

TECHNICAL MANUAL

Split Unit Air Conditioner Ceiling Concealed Series

FDM-C, FDB-C, FDYM-C, FDYB-C Series

— Cooling only & Heatpump [50Hz] —

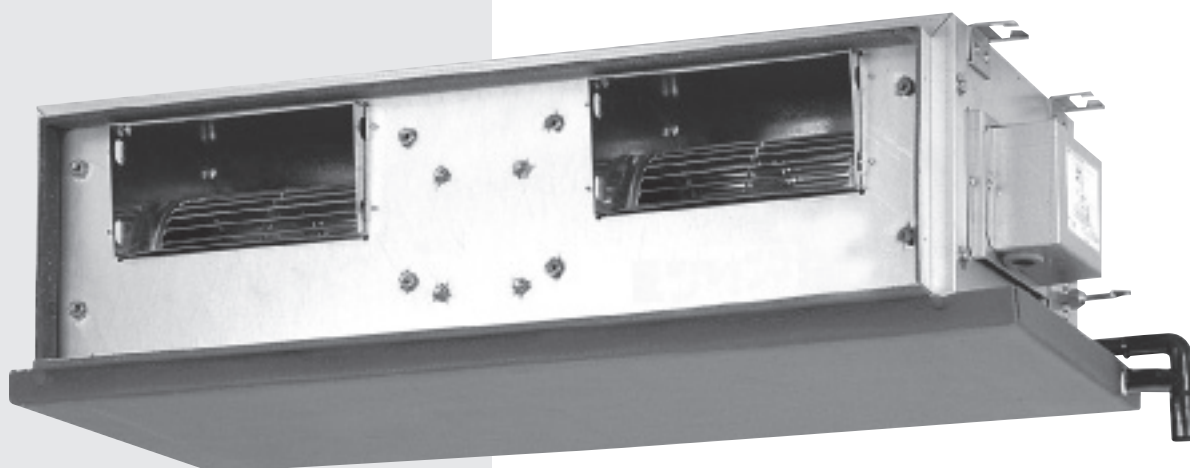
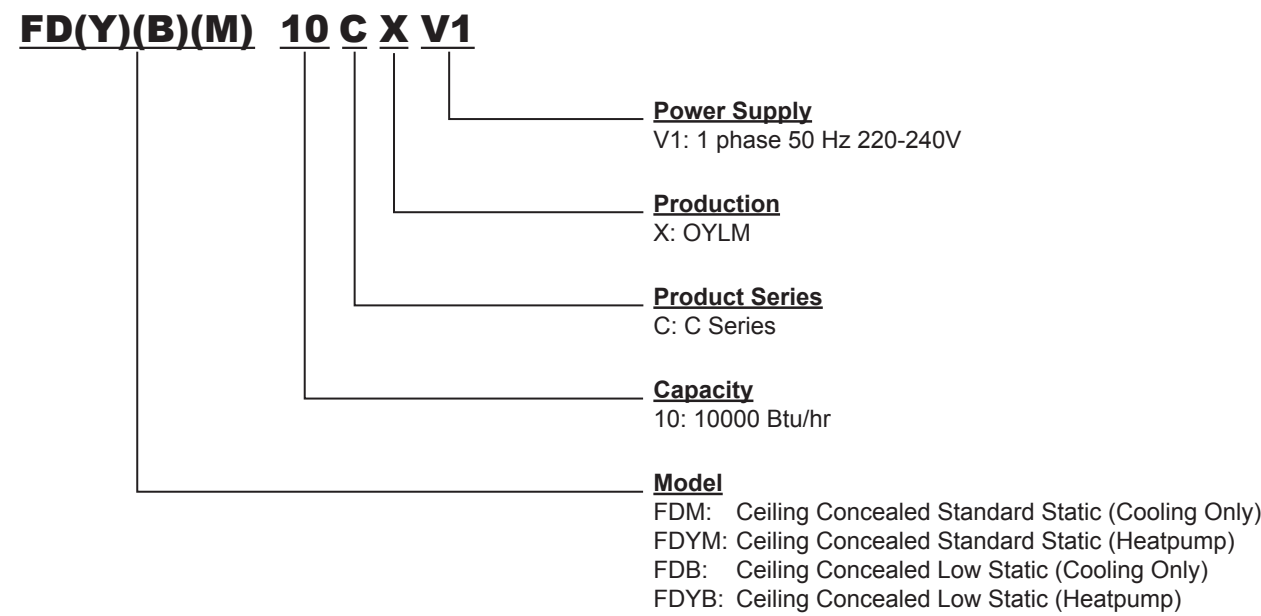


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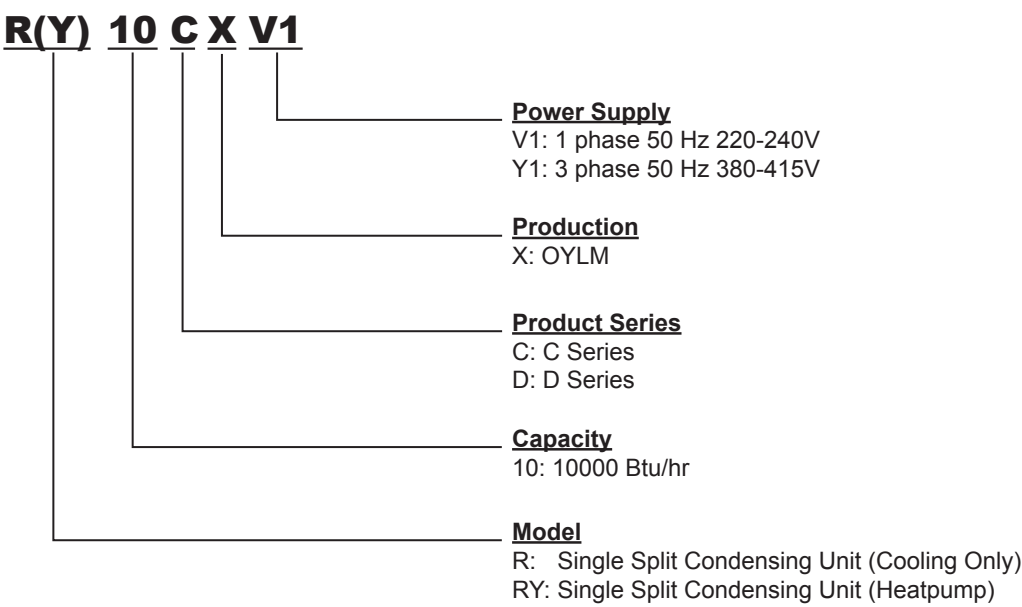
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Nomenclature

Indoor



Outdoor



Product Line-Up

Indoor Unit
FD(Y)M / FD(Y)B

Nomenclature		Classification							
		Handset		PCB		Fin	Refrigerant Control		Air Purification
		BRC51A62	BRC51A61	L208A EC	L208AAP	Bare Aluminium	Cap Tube	Without Cap Tube	Air Filter
COOLING	FDM10CXV1	X		X		X		X	X
	FDM15CXV1	X		X		X		X	X
	FDM20CXV1	X		X		X		X	X
	FDM25CXV1	X		X		X		X	X
	FDM28CXV1	X		X		X	X		X
	FDM30CXV1	X		X		X	X		X
	FDM38CXV1	X		X		X	X		X
	FDM40CXV1	X		X		X	X		X
	FDM50CXV1	X		X		X	X		X
	FDM60CXV1	X		X		X	X		X
	FDB10CXV1	X		X		X		X	X
	FDB15CXV1	X		X		X		X	X
	FDB20CXV1	X		X		X		X	X
	FDB25CXV1	X		X		X		X	X
	FDB30CXV1	X		X		X	X		X
	FDB40CXV1	X		X		X	X		X
	FDB50CXV1	X		X		X	X		X
	FDB60CXV1	X		X		X	X		X
HEATPUMP	FDYM10CXV1		X		X	X		X	X
	FDYM15CXV1		X		X	X		X	X
	FDYM20CXV1		X		X	X		X	X
	FDYM25CXV1		X		X	X		X	X
	FDYM28CXV1		X		X	X	X		X
	FDYM30CXV1		X		X	X	X		X
	FDYM38CXV1		X		X	X	X		X
	FDYM40CXV1		X		X	X	X		X
	FDYM50CXV1		X		X	X	X		X
	FDYM60CXV1		X		X	X	X		X
	FDYB10CXV1		X		X	X		X	X
	FDYB15CXV1		X		X	X		X	X
	FDYB20CXV1		X		X	X		X	X
	FDYB25CXV1		X		X	X		X	X
	FDYB30CXV1		X		X	X	X		X
	FDYB40CXV1		X		X	X	X		X
	FDYB50CXV1		X		X	X	X		X
	FDYB60CXV1		X		X	X	X		X

Outdoor Unit
R(Y)

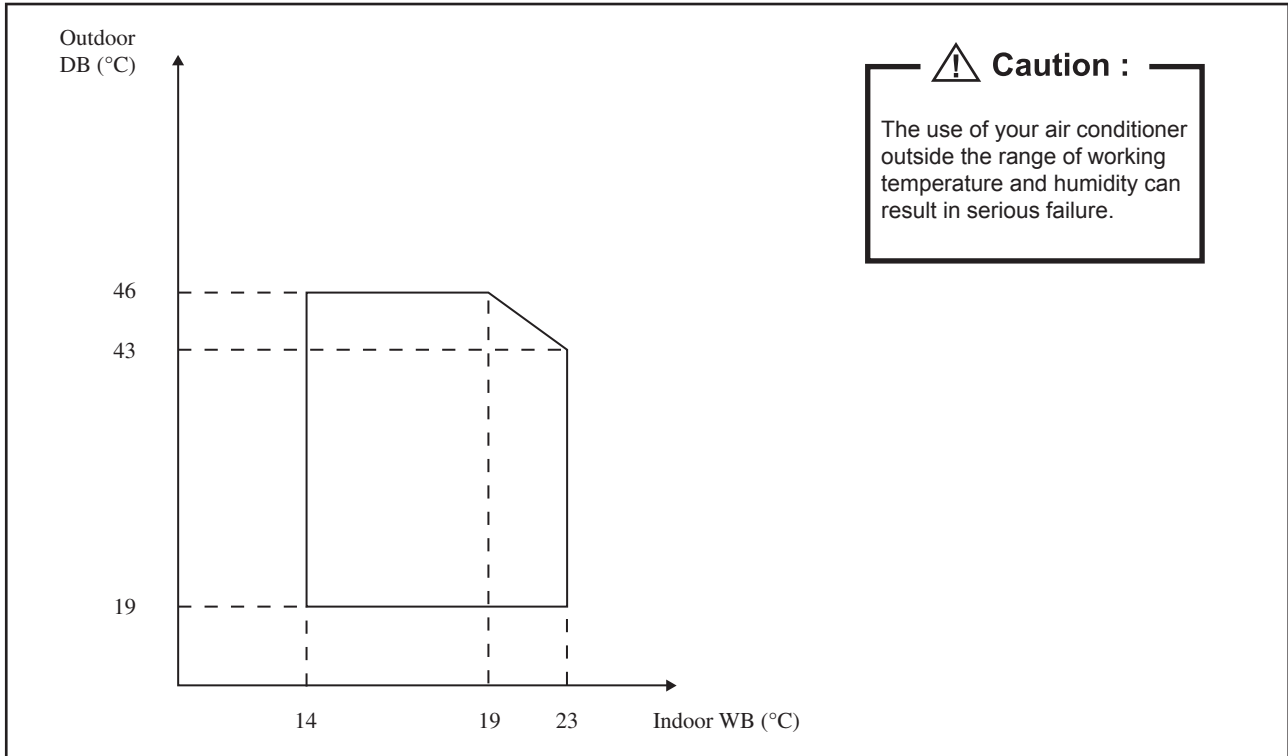
Nomenclature		Classification											
		Refrigerant Control		Fin			Safety Devices				Compressor		Others
		Cap Tube	TXV	Hydrophilic (Blue)	Hydrophilic (Gold)	Bare Aluminium	Contact	High Pressure Switch	Low Pressure Switch	Phase Sequencer	Scroll	Rotary	Drain Elbow
COOLING ONLY	R10CXV1	X				X						X	
	R10CGXV1	X			X							X	
	R15CXV1	X				X						X	
	R15CGXV1	X			X							X	
	R20CXV1	X				X						X	
	R20CGXV1	X			X							X	
	R25CXV1	X				X						X	
	R25CGXV1	X			X							X	
	R28CXV1					X						X	
	R28CGXV1				X							X	
	R30DXV1					X	X	X	X		X		
	R30DGXV1				X		X	X	X		X		
	R30DXY1					X	X	X	X	X	X		
	R30DGXY1				X		X	X	X	X	X		
	R35DXV1					X	X	X	X		X		
	R35DGXV1				X		X	X	X		X		
	R40DXV1					X	X	X	X		X		
	R40DGXV1				X		X	X	X		X		
	R40DXY1					X	X	X	X	X	X		
	R40DGXY1				X		X	X	X	X	X		
	R50DXY1					X	X	X	X	X	X		
	R50DGXY1				X		X	X	X	X	X		
	R61DXY1					X	X	X	X	X	X		
	R61DGXY1				X		X	X	X	X	X		
HEATPUMP	RY10CXV1	X				X						X	X
	RY10CGXV1	X			X							X	X
	RY15CXV1	X		X								X	X
	RY15CGXV1	X			X							X	X
	RY18CXV1	X				X						X	X
	RY18CGXV1	X			X							X	X
	RY20CXV1	X				X						X	X
	RY20CGXV1	X			X							X	X
	RY25CXV1	X				X						X	X
	RY25CGXV1	X			X							X	X
	RY28CXV1	X				X						X	X
	RY28CGXV1	X			X							X	X
	RY30DXV1	X	X			X	X	X			X		X
	RY30DGXV1	X	X		X		X	X			X		X
	RY30DXY1	X	X			X	X	X		X	X		X
	RY30DGXY1	X	X		X		X	X		X	X		X
	RY35DXV1	X	X			X	X	X			X		X
	RY35DGXV1	X	X		X		X	X			X		X
	RY40DXV1	X				X	X	X			X		X
	RY40DGXV1	X			X		X	X			X		X
	RY40DXY1	X				X	X	X		X	X		X
	RY40DGXY1	X			X		X	X		X	X		X
	RY50DXY1	X		X			X	X		X	X		X
	RY50DGXY1	X			X		X	X		X	X		X
RY61DXY1	X				X	X	X		X	X		X	
RY61DGXY1	X			X		X	X		X	X		X	

Application Information

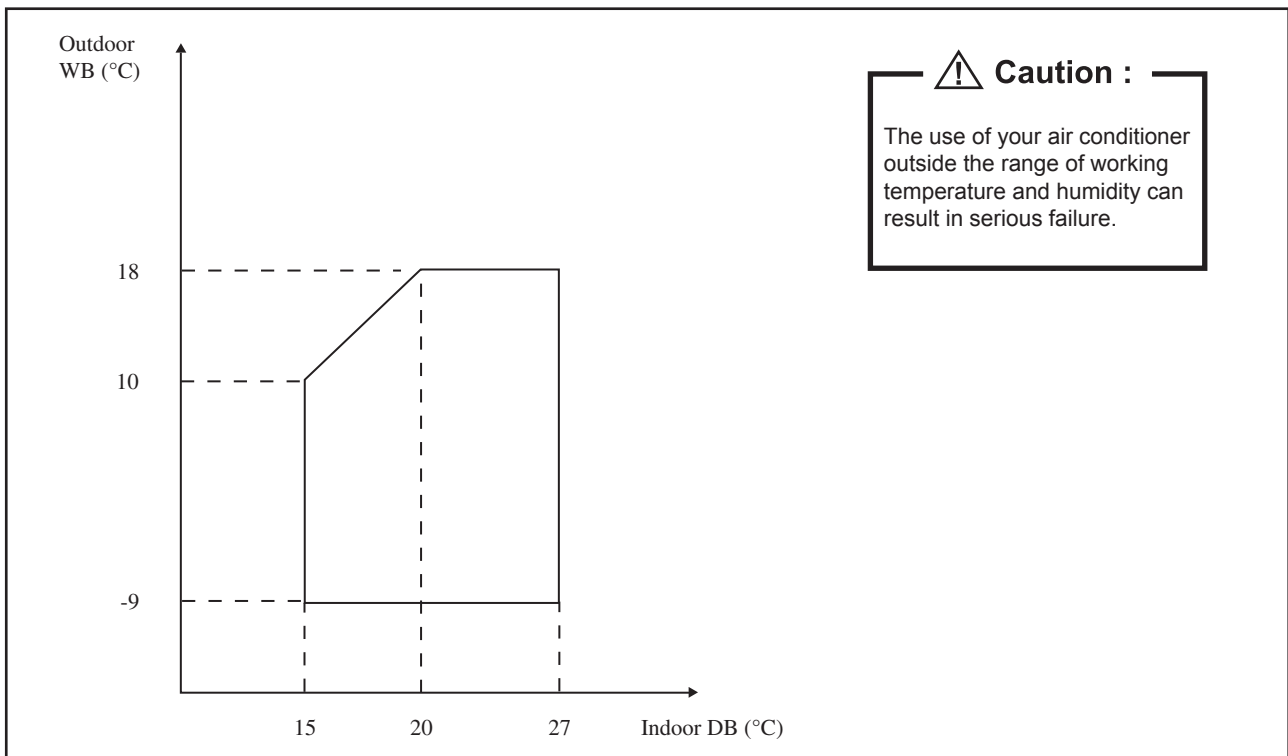
Operating Range

Ensure the operating temperature is in allowable range.

Cooling

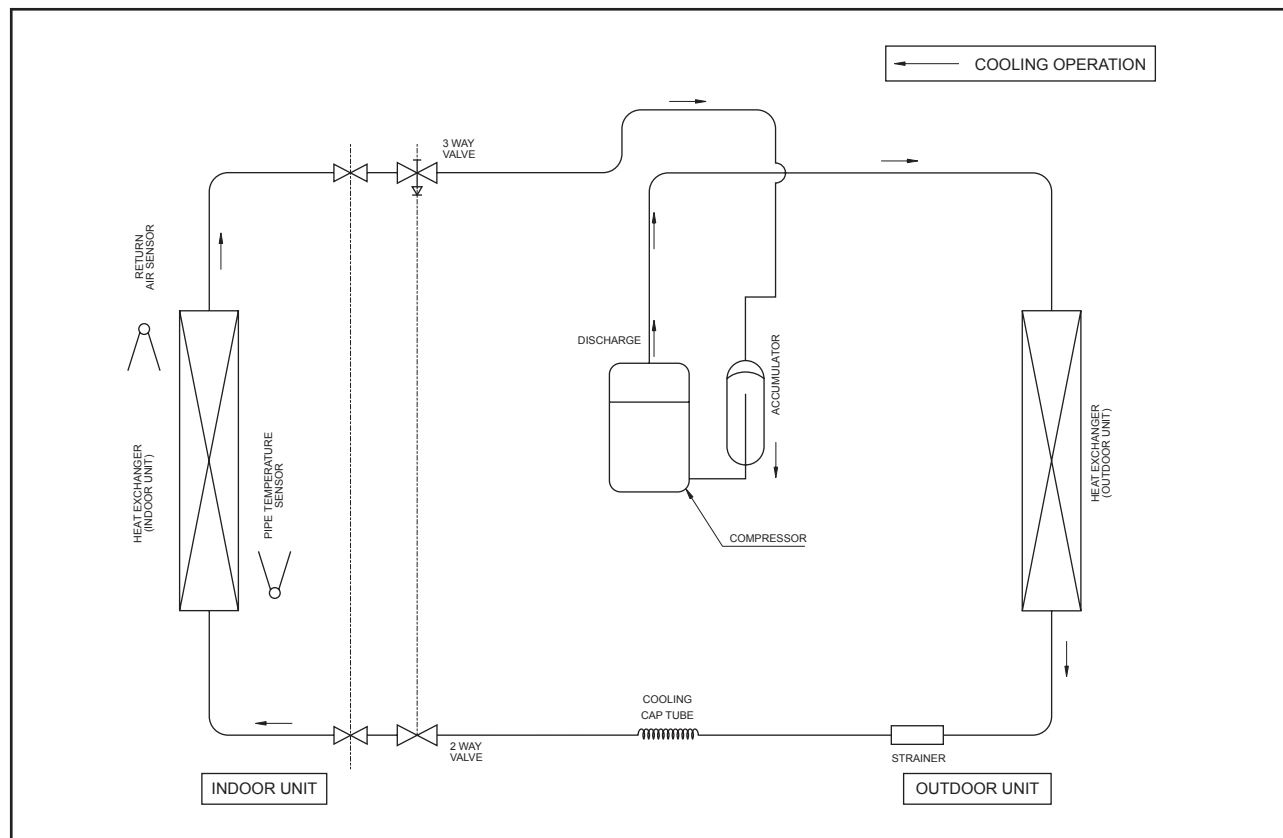


Heating

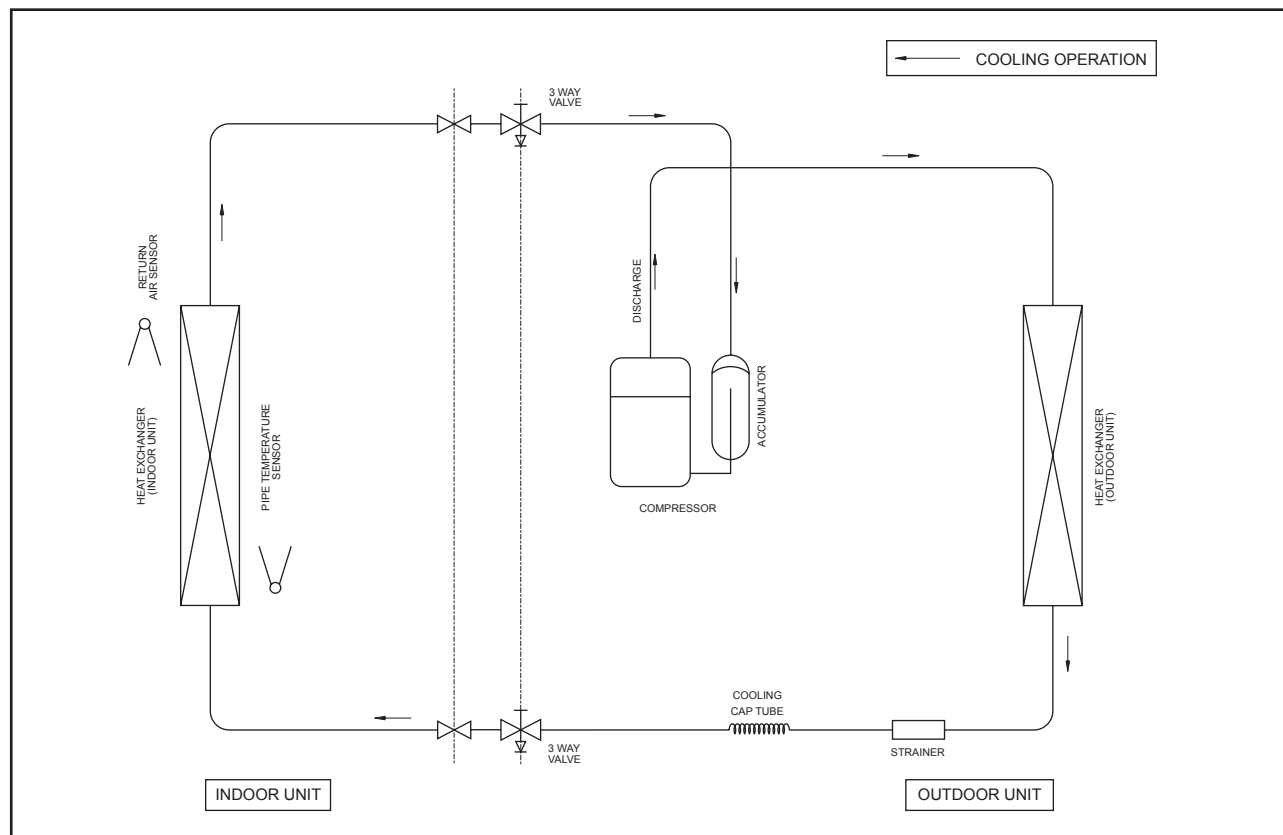


Refrigerant Circuit Diagrams

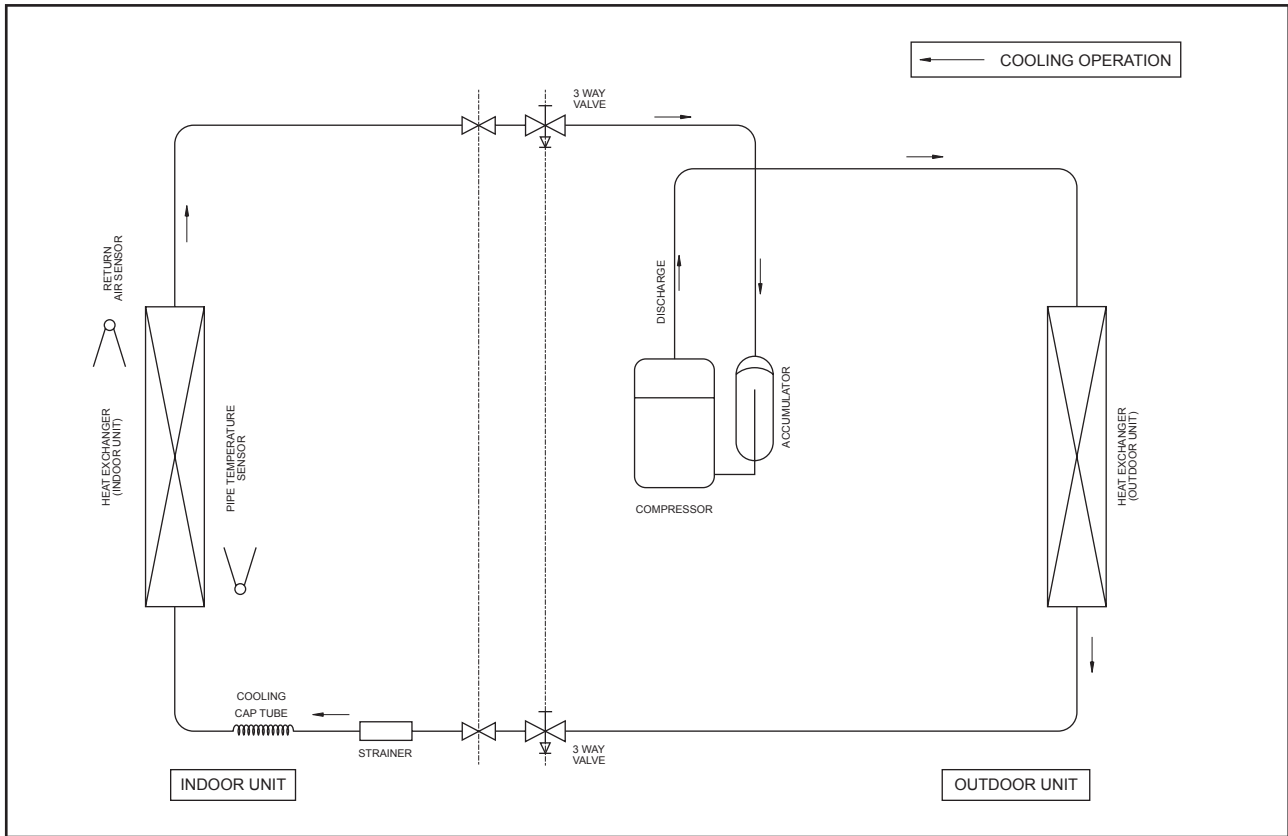
Model: FDM10/15CXV1 – R10/15CXV1 / FDM20CXV1 – R20CXV1
FDB10/15CXV1 – R10/15CXV1 / FDB20CXV1 – R20CXV1



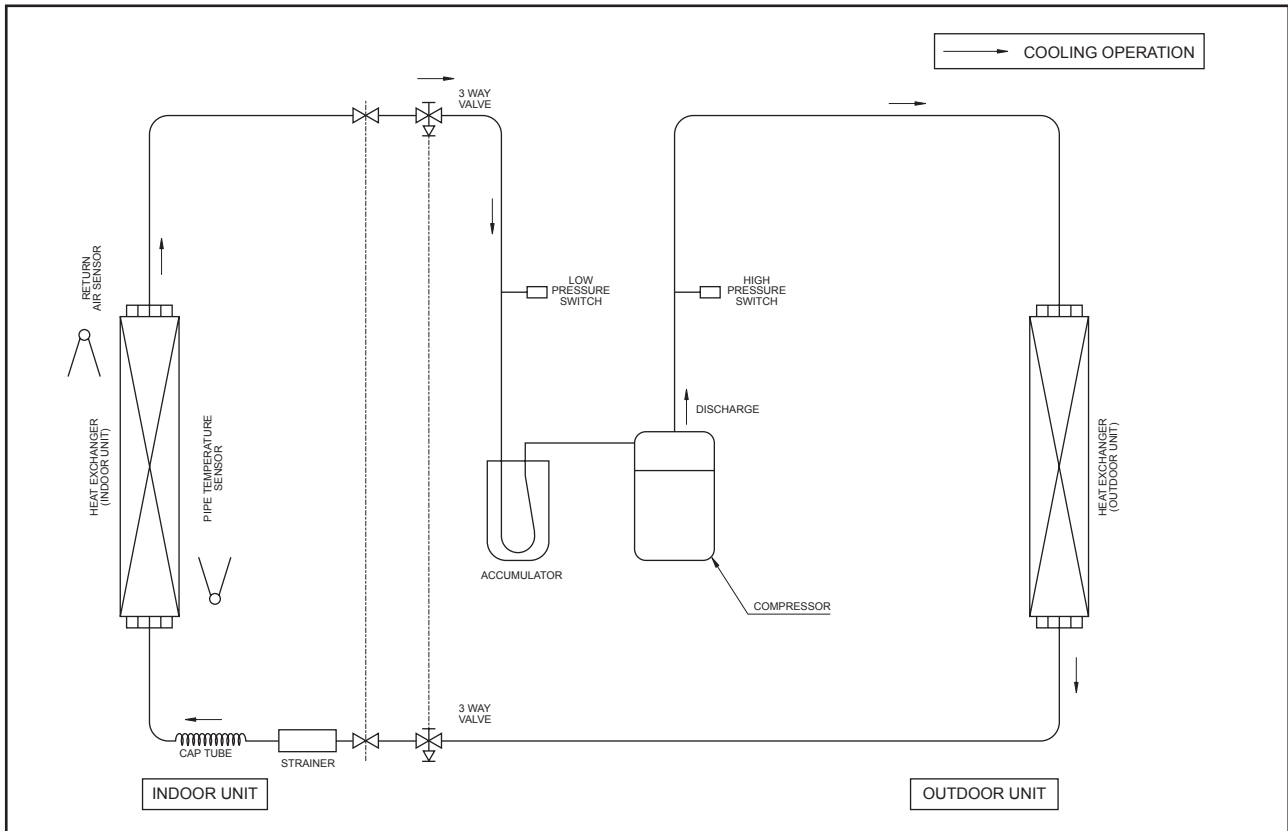
Model: FDM25CXV1 – R25CXV1
FDB25CXV1 – R25CXV1



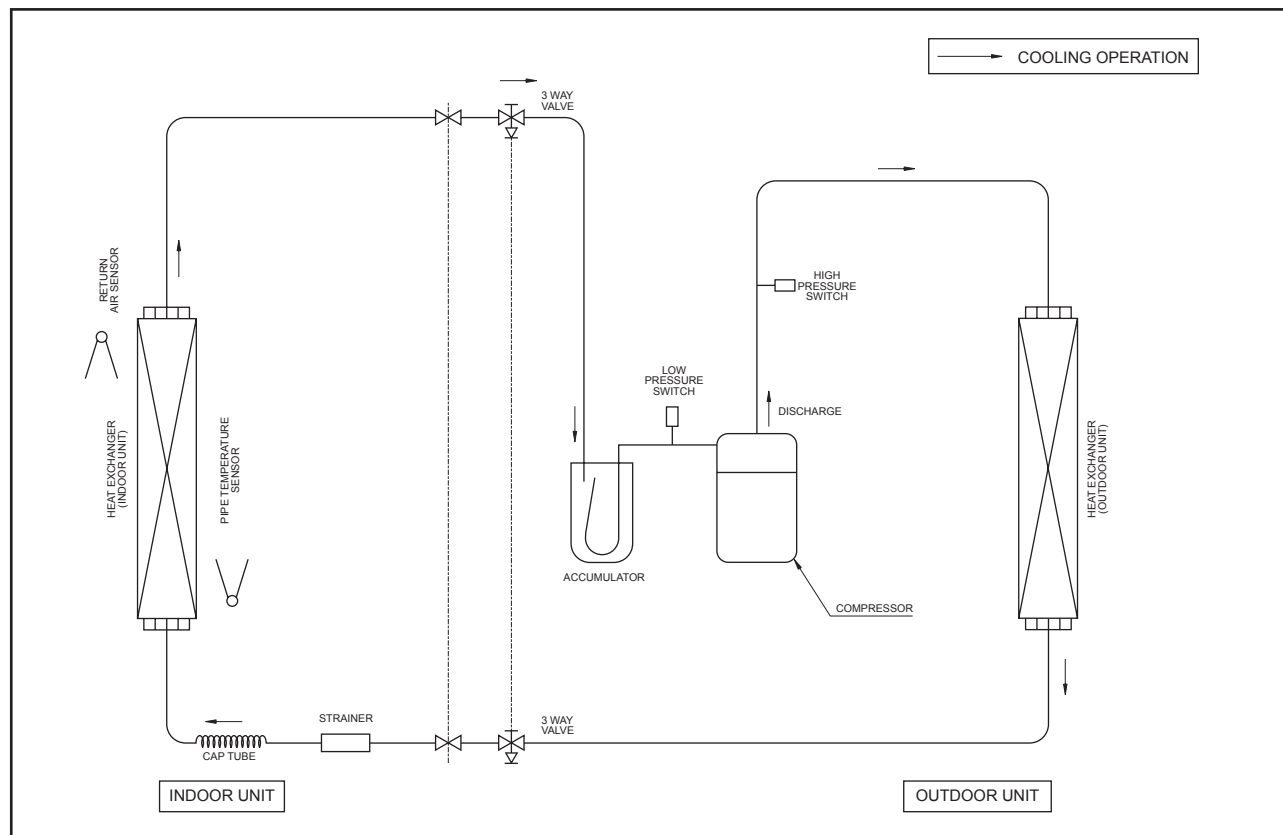
**Model: FDM28CXV1 – R28CXV1 / FDM30CXV1 – R28CXV1
FDB30CXV1 – R28CXV1**



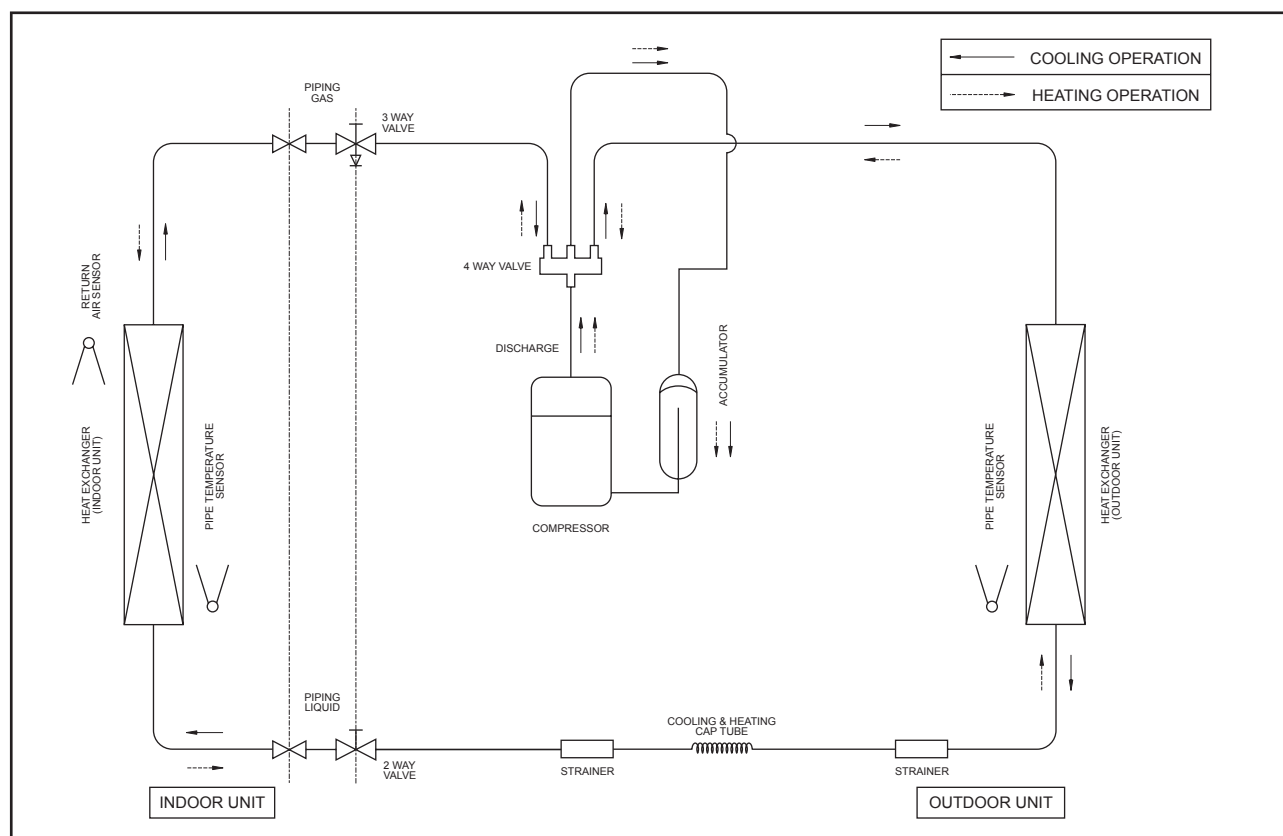
**Model: FDM28/30CXV1 – R30DXV1 / FDM30CXV1 – R30DXY1 / FDM38/40CXV1 – R35/40DXV1 /
FDM38/40CXV1 – R40DXY1 / FDM50CXV1 – R50DXY1
FDB30CXV1 – R30DXV1 / FDB30CXV1 – R30DXY1 / FDB40CXV1 – R35/40DXV1 /
FDB40CXV1 – R40DXY1 / FDB50CXV1 – R50DXY1**



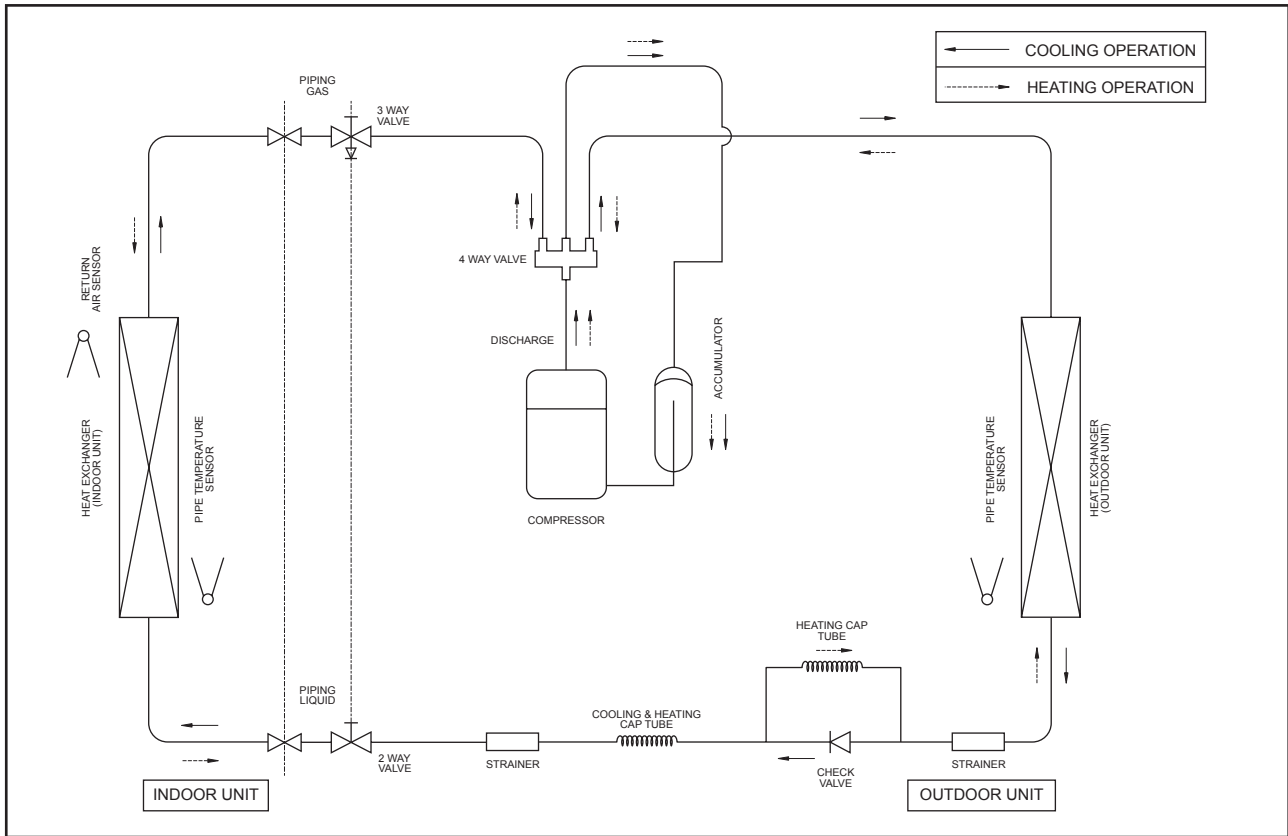
**Model: FDM60CXV1 – R61DXY1
FDB60CXV1 – R61DXY1**



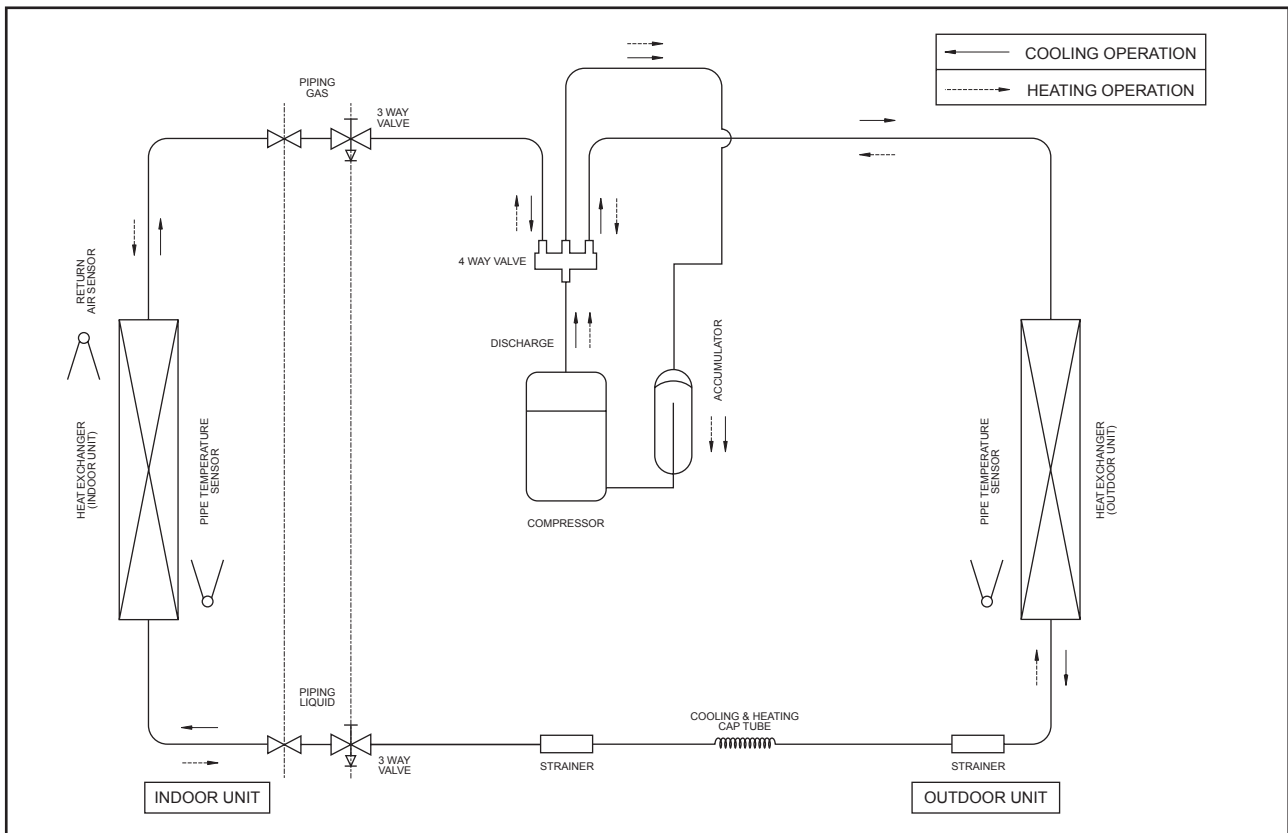
**Model: FDYM10CXV1 – RY10CXV1 / FDYM20CXV1 – RY18CXV1
FDYB10CXV1 – RY10CXV1 / FDYB20CXV1 – RY18CXV1**



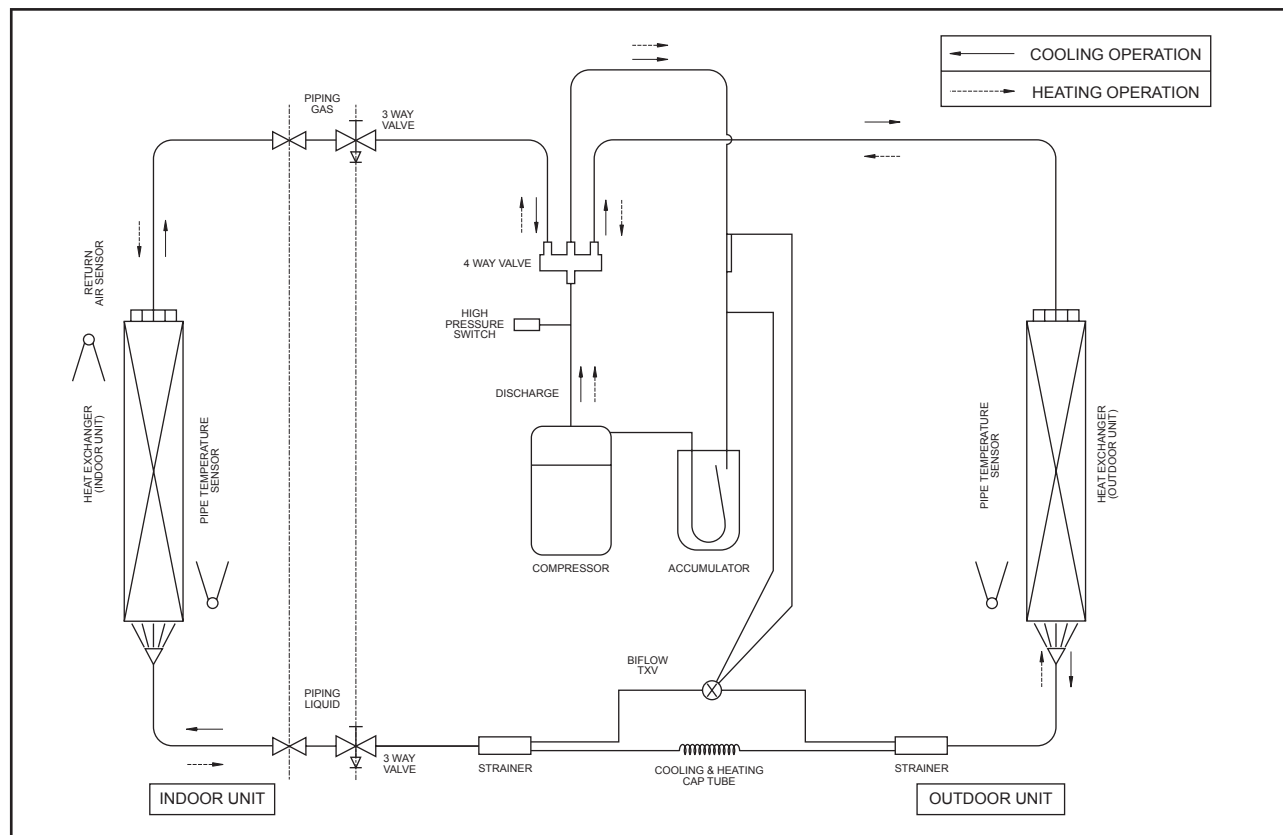
Model: FDYM15CXV1 – RY15CXV1 / FDYM20CXV1 – RY20CXV1
FDYB15CXV1 – RY15CXV1 / FDYB20CXV1 – RY20CXV1



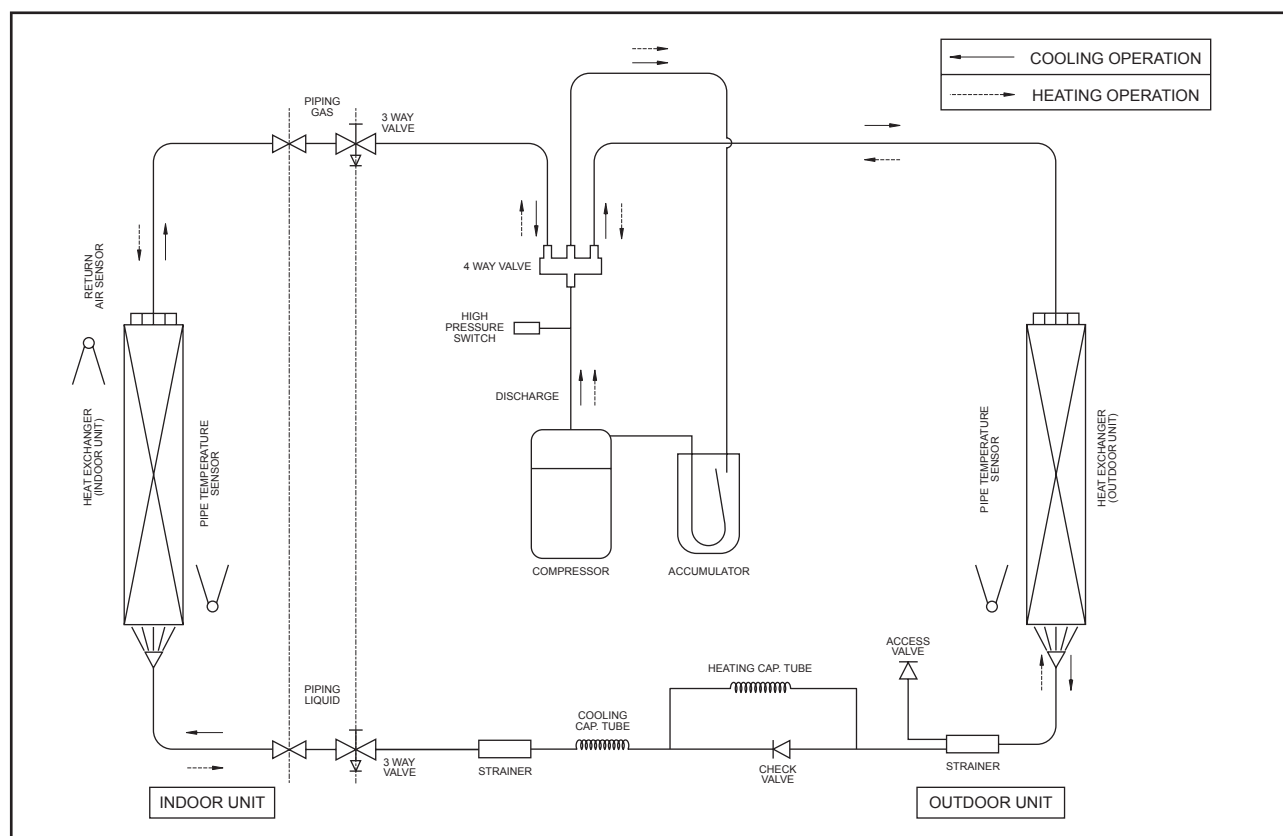
Model: FDYM25CXV1 – RY25CXV1 / FDYM28/30CXV1 – RY28CXV1
FDYB25CXV1 – RY25CXV1 / FDYB30CXV1 – RY28CXV1



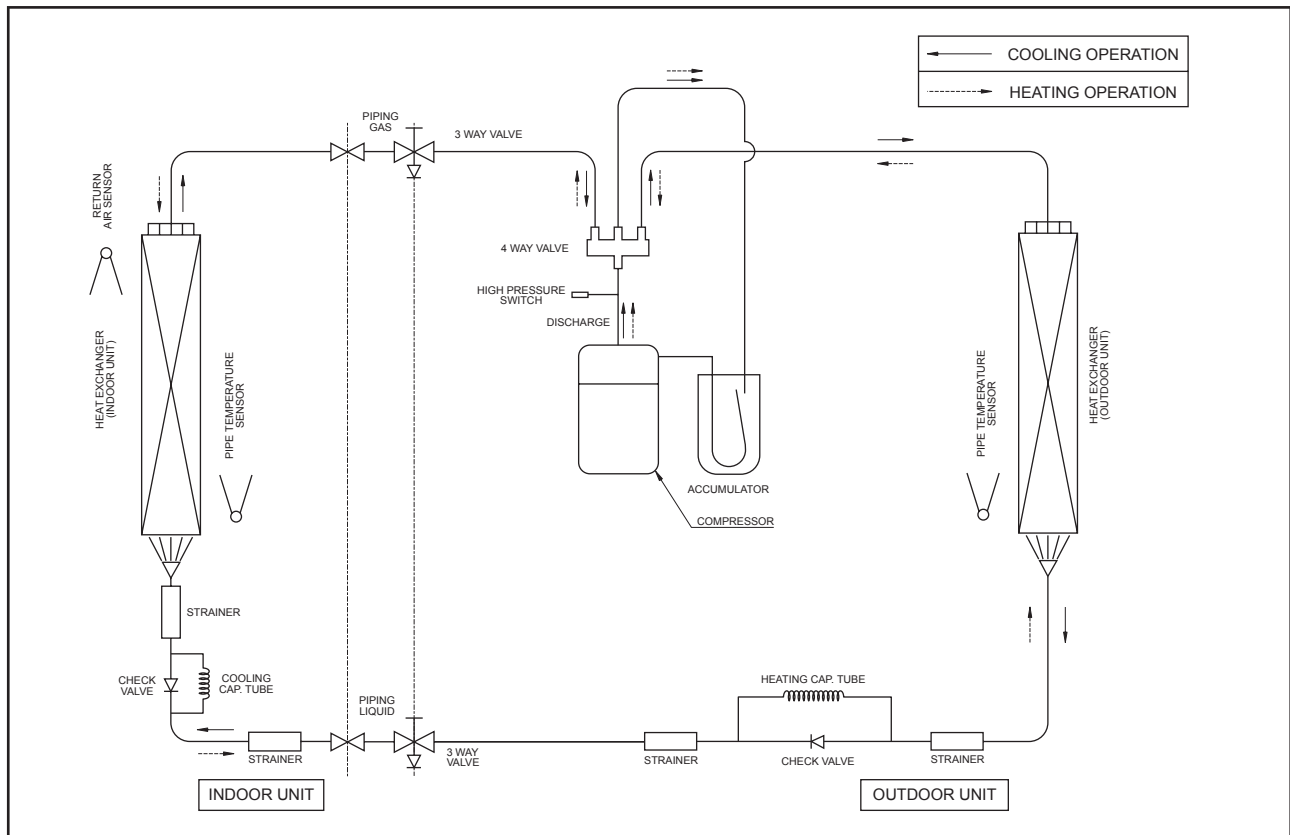
**Model: FDYM28/30CXV1 – RY30DXV1 / FDYM28/30CXV1 – RY30DX1 / FDYM38/40CXV1 – RY35DXV1
FDYB30CXV1 – RY30DXV1 / FDYB30CXV1 – RY30DX1 / FDYB40CXV1 – RY35DXV1**



**Model: FDYM38/40CXV1 – RY40DXV1 / FDYM38/40CXV1 – RY40DX1 / FDYM50CXV1 – RY50DX1
FDYB40CXV1 – RY40DXV1 / FDYB40CXV1 – RY40DX1 / FDYB50CXV1 – RY50DX1**



Model: FDYM60CXV1 – RY61DXY1
FDYB60CXV1 – RY61DXY1



Installation Guideline



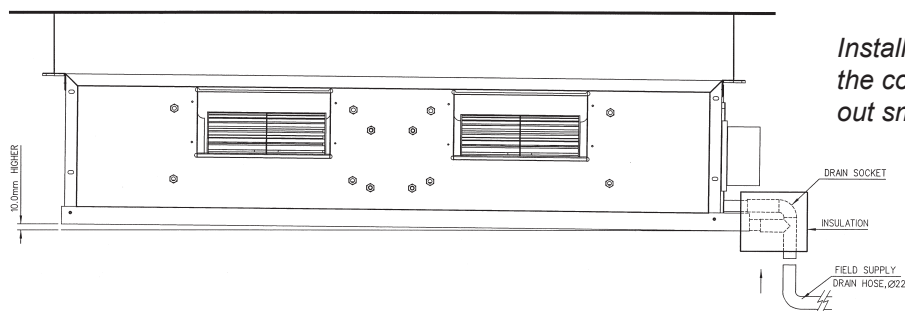
Caution

Sharp edges and coil surfaces are potential injury hazard. Avoid from contact with them.

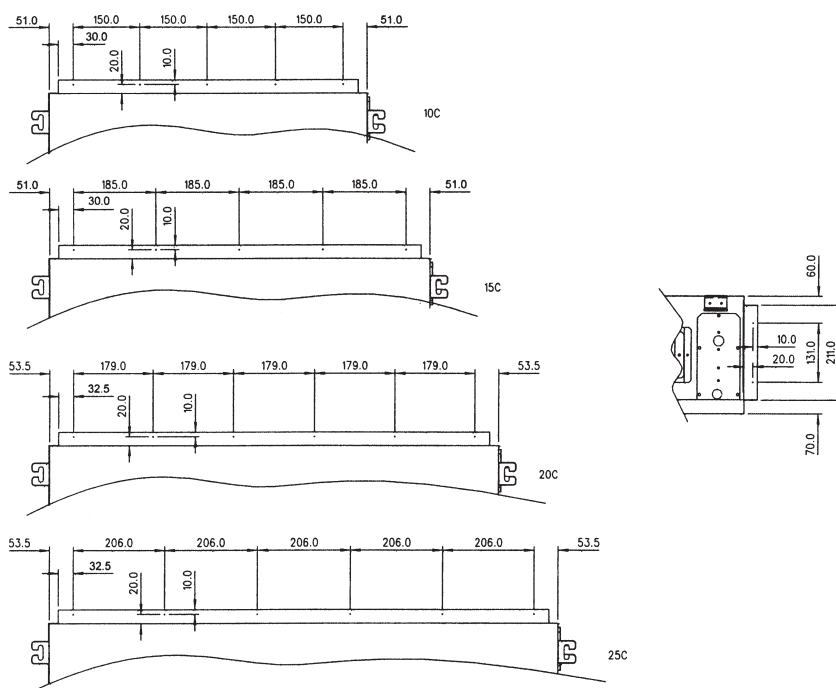
(1) Installation of Indoor Unit

Preliminary Survey

- Electrical supply and installation is to confirm to local authority's (e.g. National Electrical Board) codes and regulations.
- Voltage supply fluctuation must not exceed $\pm 10\%$ of rated voltage. Electricity supply lines must be independent of welding transformers which can cause high supply fluctuation.
- Ensure that the location is convenient for wiring, piping and drainage.
- The indoor unit must be installed in such that free from any obstacles in path of cool air discharge and warm air return, and must allow spreading of air throughout the room (near the centre of the room).
- Clearance must be provided for the indoor unit from the wall and obstacles as shown in the figure.
- Use the hanger supplied with the unit.
- Ensure the support is strong enough to withstand the weight of the unit.
- Use the supplied drain socket to connect the drain pipe (the drain socket is only available for FD(Y)M10CXV1 / FD(Y)B10CXV1 to FD(Y)M25CXV1 / FD(Y)B25CXV1)



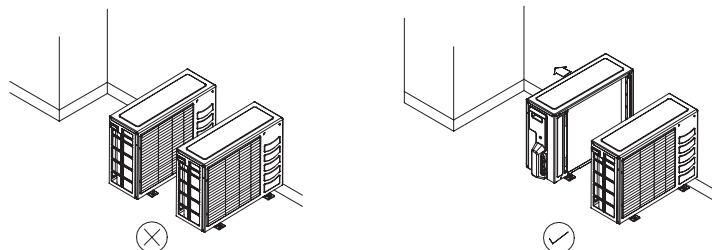
The diagrams below show the screws position for duct work connection.



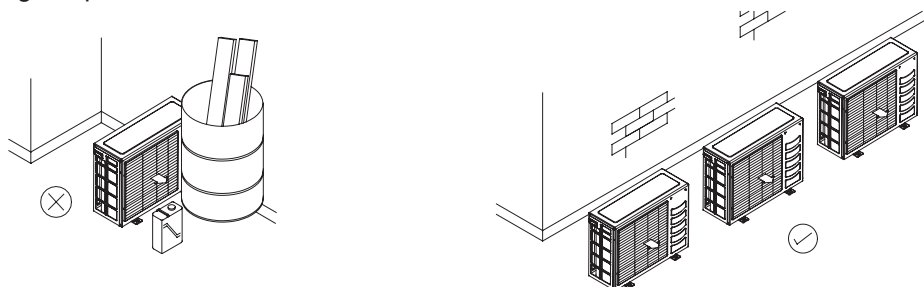
(2) Installation of Outdoor Unit

As condensing temperature rises, evaporating temperature rises and cooling capacity drops. In order to achieve maximum cooling capacity, the location selected for outdoor unit should fulfill the following requirements:

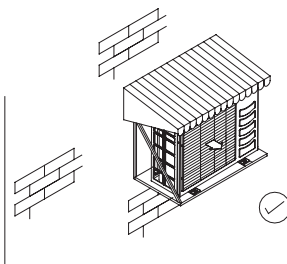
- Install the condensing (outdoor) unit in a way such that hot air distributed by the outdoor condensing unit cannot be drawn in again (as in the case of short circuit of hot discharge air). Allow sufficient space for maintenance around the unit.



- Ensure that there is no obstruction of air flow into or out of the unit. Remove obstacles which block air intake or discharge.
- The location must be well ventilated, so that the unit can draw in and distribute plenty of air thus lowering the condensing temperature.



- A place capable of bearing the weight of the outdoor unit and isolating noise and vibration.
- A place protected from direct sunlight. Otherwise use an awning for protection, if necessary.



- The location must not be susceptible to dust or oil mist.

Installation Clearance

- Outdoor units must be installed such that there is no short circuit of the hot discharge air or obstruction to smooth air flow. Select the coolest possible place where intake air should not be hotter than the outside temperature (max. 45°C).



ALL MODEL	A	B	C	D
Minimum Distance	300 mm	1000 mm	300 mm	500 mm



Caution

If the condensing unit is operated in an atmosphere containing oils (including machine oils), salt (coastal area), sulphide gas (near hot spring, oil refinery plant), such substances may lead to failure of the unit.

(3) Cable Size

Model	Unit	FDM10CXV1 FDB10CXV1	FDM15CXV1 FDB15CXV1	FDM20CXV1 FDB20CXV1	FDM25CXV1 FDB25CXV1	FDM28CXV1
		R10CXV1	R15CXV1	R20CXV1	R25CXV1	R28CXV1
Power supply cable size	mm ²	1.5	1.5	2.5	2.5	2.5
Number of wire		3	3	3	3	3
Interconnection cable size	mm ²	1.5	1.5	2.5	2.5	2.5
Number of wire		3	3	3	3	3
Recommended fuse	A	10	10	16	20	20

Model	Unit	FDM28CXV1	FDM30CXV1 FDB30CXV1			FDM38CXV1
		R30DXV1	R28CXV1	R30DXV1	R30DXY1	R35DXV1
Power supply cable size	mm ²	4.0	2.5	4.0	1.5	4.0
Number of wire		3	3	3	5	3
Interconnection cable size	mm ²	2.5	2.5	2.5	1.5	2.5
Number of wire		4	3	4	4	4
Recommended fuse	A	25	20	25	10	25

Model	Unit	FDM38CXV1		FDM40CXV1 FDB40CXV1	FDM40CXV1 FDB40CXV1	
		R40DXV1	R40DXY1	R35DXV1	R40DXV1	R40DXY1
Power supply cable size	mm ²	4.0	1.5	4.0	4.0	1.5
Number of wire		3	5	3	3	5
Interconnection cable size	mm ²	2.5	1.5	2.5	2.5	1.5
Number of wire		4	4	4	4	4
Recommended fuse	A	25	10	25	25	10

Model	Unit	FDM50CXV1 FDB50CXV1	FDM60CXV1 FDB60CXV1
		R50DXY1	R61DXY1
Power supply cable size	mm ²	2.5	2.5
Number of wire		5	5
Interconnection cable size	mm ²	2.5	2.5
Number of wire		4	4
Recommended fuse	A	16	20

Model	Unit	FDYM10CXV1 FDYB10CXV1	FDYM15CXV1 FDYB15CXV1	FDYM20CXV1 FDYB20CXV1	FDYM20CXV1 FDYB20CXV1	FDYM25CXV1 FDYB25CXV1
		RY10CXV1	RY15CXV1	RY18CXV1	RY20CXV1	RY25CXV1
Power supply cable size	mm ²	1.5	1.5	2.5	2.5	2.5
Number of wire		3	3	3	3	3
Interconnection cable size	mm ²	1.5	1.5	2.5	2.5	2.5
Number of wire		5	5	5	5	5
Recommended fuse	A	10	10	16	16	20

Model	Unit	FDYM28CXV1	FDYM28CXV1		FDYM30CXV1 FDYB30CXV1
		RY28CXV1	RY30DXV1	RY30DXY1	RY28CXV1
Power supply cable size	mm ²	2.5	4.0	1.5	2.5
Number of wire		3	3	5	3
Interconnection cable size	mm ²	2.5	2.5	1.5	2.5
Number of wire		5	4 & 3	4 & 3	5
Recommended fuse	A	20	25	10	20

Model	Unit	FDYM30CXV1 FDYB30CXV1		FDYM38CXV1	FDYM38CXV1	
		RY30DXV1	RY30DXY1	RY35DXV1	RY40DXV1	RY40DXY1
Power supply cable size	mm ²	4.0	1.5	4.0	4.0	1.5
Number of wire		3	5	3	3	5
Interconnection cable size	mm ²	2.5	1.5	2.5	2.5	1.5
Number of wire		4 & 3	4 & 3	4 & 3	4 & 3	4 & 3
Recommended fuse	A	25	10	25	25	10

Model	Unit	FDYM40CXV1 FDYB40CXV1	FDYM40CXV1 FDYB40CXV1		FDYM50CXV1 FDYB50CXV1	FDYM60CXV1 FDYB60CXV1
		RY35DXV1	RY40DXV1	RY40DXY1	RY50DXY1	RY61DXY1
Power supply cable size	mm ²	4.0	4.0	1.5	2.5	2.5
Number of wire		3	3	5	5	5
Interconnection cable size	mm ²	2.5	2.5	1.5	1.5	1.5
Number of wire		4 & 3	4 & 3	4 & 3	4 & 3	4 & 3
Recommended fuse	A	25	25	10	16	16

(4) Refrigerant Piping

Maximum Pipe and Maximum Number of Bends

- When the pipe length becomes too long, both the capacity and reliability drop. As the number of bends increases, system piping resistance to the refrigerant flow increases, thus lowering the cooling capacity, and as the result the front compressor may become defective. Always choose the shortest path and follow the recommendation as tabulated below:

Model	Indoor	FDM10/15CXV1 FDYM10/15CXV1 FDB10/15CXV1 FDYB10/15CXV1	FDM20/25CXV1 FDYM20/25CXV1 FDB20/25CXV1 FDYB20/25CXV1	FDM28/30CXV1 FDYM28/30CXV1 FDB30CXV1 FDYB30CXV1	
	Outdoor	R(Y)10/15CXV1	R(Y)20/25CXV1	R(Y)28CXV1	R(Y)30DXV1 / R(Y)30DXY1
Max. Length, m		12	15	15	45
Max. Elevation, m		5	8	8	25
Max. No. of Bends		10	10	10	10

Model	Indoor	FDM38/40/50CXV1 FDYM38/40/50CXV1 FDB40/50CXV1 FDYB40/50CXV1	FDM60CXV1 FDYM60CXV1 FDB60CXV1 FDYB60CXV1
	Outdoor	R(Y)35/40DXV1 R(Y)40/50DXY1	R(Y)61DXY1
Max. Length, m		45	35
Max. Elevation, m		25	15
Max. No. of Bends		10	10

Piping Sizes (Flare connection type)

Piping sizes are as follows:

R22

Model	R(Y)10CXV1	R(Y)15CXV1	R20CXV1 / RY18/20CXV1	R(Y)25CXV1
Liquid, mm / in	6.35 / 1/4	6.35 / 1/4	6.35 / 1/4	9.52 / 3/8
Suction, mm / in	9.52 / 3/8	12.70 / 1/2	15.88 / 5/8	15.88 / 5/8

Model	R(Y)28CXV1 / R(Y)30DXV1 / R(Y)30DXY1	R(Y)35/40DXV1 / R(Y)40DXY1	R(Y)50DXY1	R(Y)61DXY1
Liquid, mm / in	9.52 / 3/8	9.52 / 3/8	9.52 / 3/8	12.70 / 1/2
Suction, mm / in	15.88 / 5/8	19.05 / 3/4	19.05 / 3/4	19.05 / 3/4

(5) Additional Charge

- The refrigerant charge has already charged into the outdoor unit. For the piping length of 7.6m, additional refrigerant charge after vacuuming is not necessary.
- When the piping length is more than 7.6m, please use the table below (unit in gram).

R22 – Cooling Only

Indoor	FDM10CXV1 FDB10CXV1	FDM15CXV1 FDB15CXV1	FDM20CXV1 FDB20CXV1	FDM25CXV1 FDB25CXV1	FDM28CXV1
Outdoor	R10CXV1	R15CXV1	R20CXV1	R25CXV1	R28CXV1
Add. Charge, g/m	16	16	16	39	41

Indoor	FDM28CXV1	FDM30CXV1 FDB30CXV1	FDM30CXV1 FDB30CXV1		FDM38CXV1
Outdoor	R30DXV1	R28CXV1	R30DXV1	R30DXY1	R35DXV1
Add. Charge, g/m	56	41	41	55	54

Indoor	FDM38CXV1		FDM40CXV1 FDB40CXV1	FDM40CXV1 FDB40CXV1	
Outdoor	R40DXV1	R40DXY1	R35DXV1	R40DXV1	R40DXY1
Add. Charge, g/m	40	41	54	55	

Indoor	FDM50CXV1 FDB50CXV1	FDM60CXV1 FDB60CXV1
Outdoor	R50DXY1	R61DXY1
Add. Charge, g/m	54	102

R22 – Heatpump

Indoor	FDYM10CXV1 FDYB10CXV1	FDYM15CXV1 FDYB15CXV1	FDYM20CXV1 FDYB20CXV1	FDYM20CXV1 FDYB20CXV1	FDYM25CXV1 FDYB25CXV1
Outdoor	RY10CXV1	R15CXV1	RY18CXV1	RY20CXV1	RY25CXV1
Add. Charge, g/m	22	22	16	16	40

Indoor	FDYM28CXV1	FDYM28CXV1		FDYM30CXV1 FDYB30CXV1
Outdoor	RY28CXV1	RY30DXV1	RY30DXY1	RY28CXV1
Add. Charge, g/m	41	41		41

Indoor	FDYM30CXV1 FDYB30CXV1		FDYM38CXV1	FDYM38CXV1	
Outdoor	RY30DXV1	RY30DXY1	RY35DXV1	RY40DXV1	RY40DXY1
Add. Charge, g/m	55	41	57	57	

Indoor	FDYM40CXV1 FDYB40CXV1	FDYM40CXV1 FDYB40CXV1		FDYM50CXV1 FDYB50CXV1	FDYM60CXV1 FDYB60CXV1
Outdoor	RY35DXV1	RY40DXV1	RY40DXY1	RY50DXY1	RY61DXY1
Add. Charge, g/m	57	55	41	56	106

The additional refrigerant charge amount recommended is a guideline for longer piping application. The actual charge required may be different from the guideline due to different application and variation in site conditions.

Sound Data

Sound Pressure Level

Model	Speed	1/1 Octave Sound Pressure (dB, ref 20μPa)							Overall (dBA)	Noise Criteria
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz		
FD(Y)M10CXV1	High	43	35	35	30	26	18	13	36	30
	Med	43	34	34	28	25	17	12	35	29
	Low	42	31	31	27	22	14	9	33	25
FD(Y)M15CXV1	High	46	40	40	33	29	21	17	40	35
	Med	45	38	38	31	27	18	14	38	33
	Low	40	33	33	26	21	11	9	33	28
FD(Y)M20CXV1	High	47	41	43	35	31	24	19	42	38
	Med	47	41	41	34	31	23	18	41	36
	Low	47	39	39	33	29	21	16	40	34
FD(Y)M25CXV1	High	48	41	40	35	31	24	19	41	35
	Med	47	39	39	34	29	22	17	40	34
	Low	44	35	35	30	25	17	12	36	30
FD(Y)M28CXV1	S. High	48	45	42	38	34	29	26	44	37
	High	45	42	39	35	31	26	22	41	34
	Med	42	38	37	32	28	22	17	38	32
	Low	36	33	33	27	23	16	11	34	27
FD(Y)M30CXV1	S. High	54	50	46	45	40	34	30	49	44
	High	50	45	43	42	37	31	26	46	41
	Med	45	40	40	38	32	26	20	42	37
	Low	42	36	37	33	28	22	15	38	32
FD(Y)M38CXV1	S. High	56	57	53	50	46	41	36	55	49
	High	54	51	48	46	41	36	31	51	45
	Med	51	48	46	45	37	32	26	48	44
	Low	47	45	44	41	34	28	22	45	40
FD(Y)M40CXV1	S. High	56	49	49	46	41	37	32	51	45
	High	54	47	47	45	39	35	29	49	44
	Med	49	42	43	41	35	31	24	45	40
	Low	45	39	41	37	30	26	18	41	36
FD(Y)M50CXV1	S. High	56	50	50	49	44	38	33	53	48
	High	54	49	49	48	43	37	32	52	47
	Med	53	47	46	47	40	35	29	50	46
	Low	51	45	44	44	36	32	26	47	43
FD(Y)M60CXV1	S. High	57	50	51	51	46	39	35	55	50
	High	55	49	49	50	44	37	33	53	49
	Med	53	46	47	47	39	34	28	50	46
	Low	51	43	44	43	35	30	24	47	42

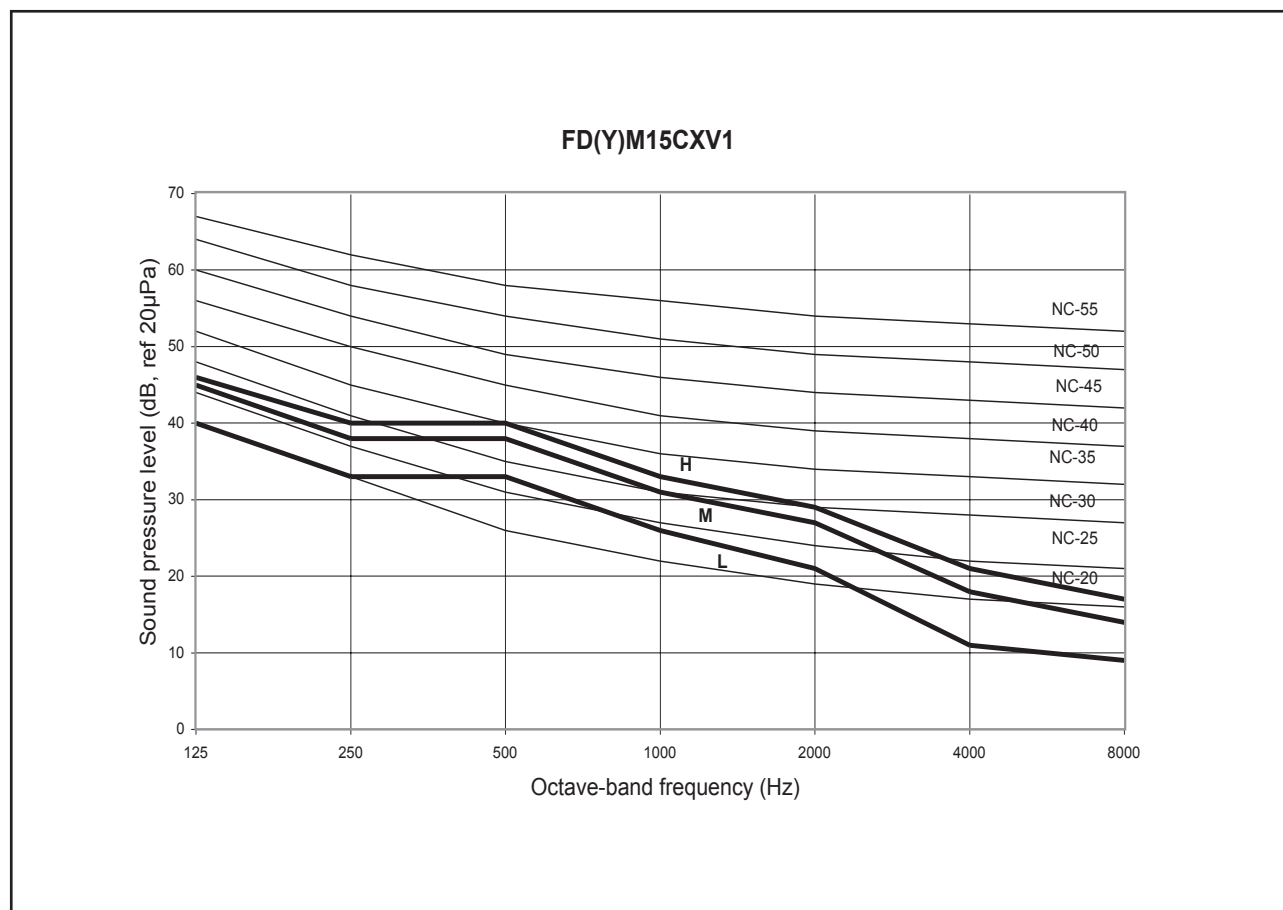
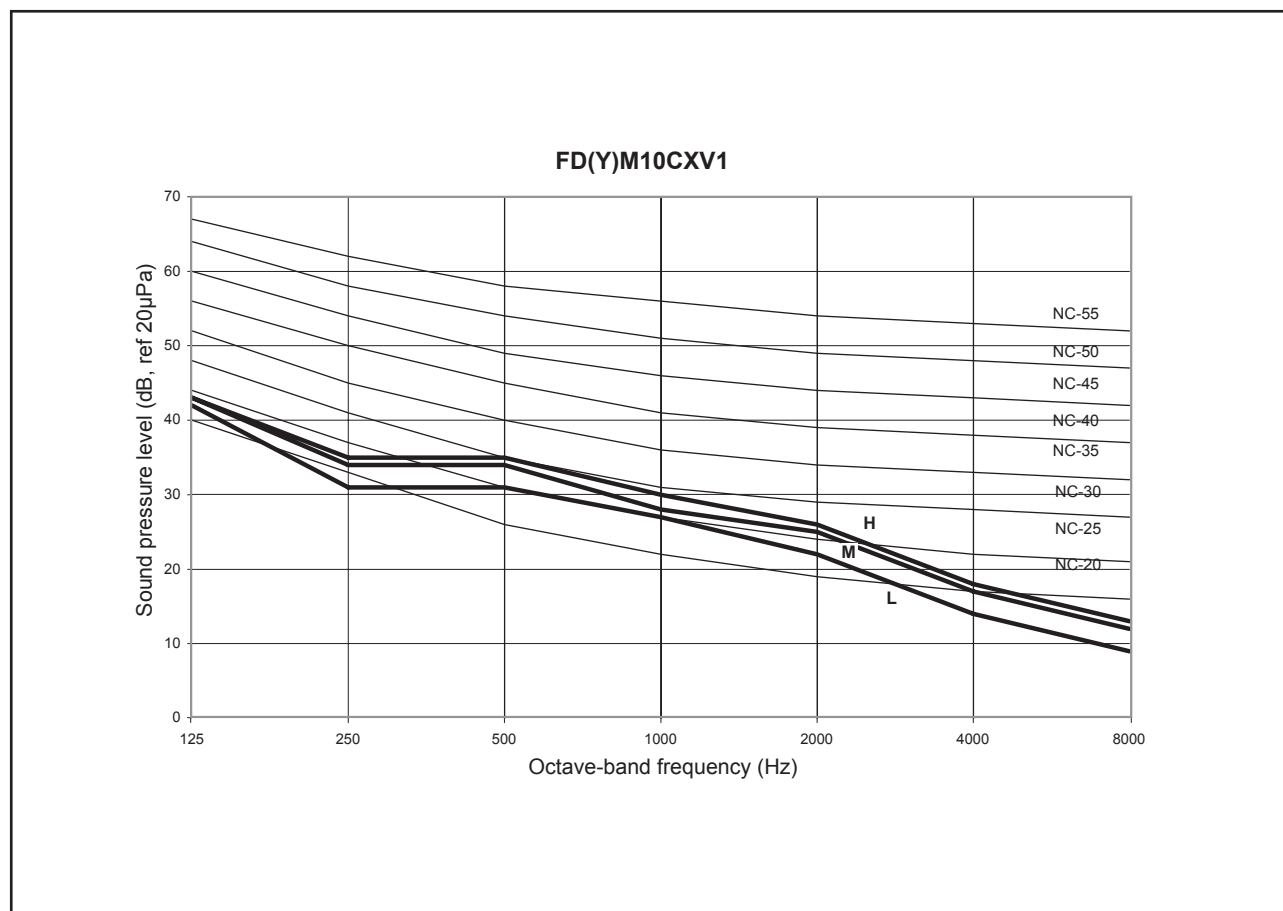
Model	Measuring location
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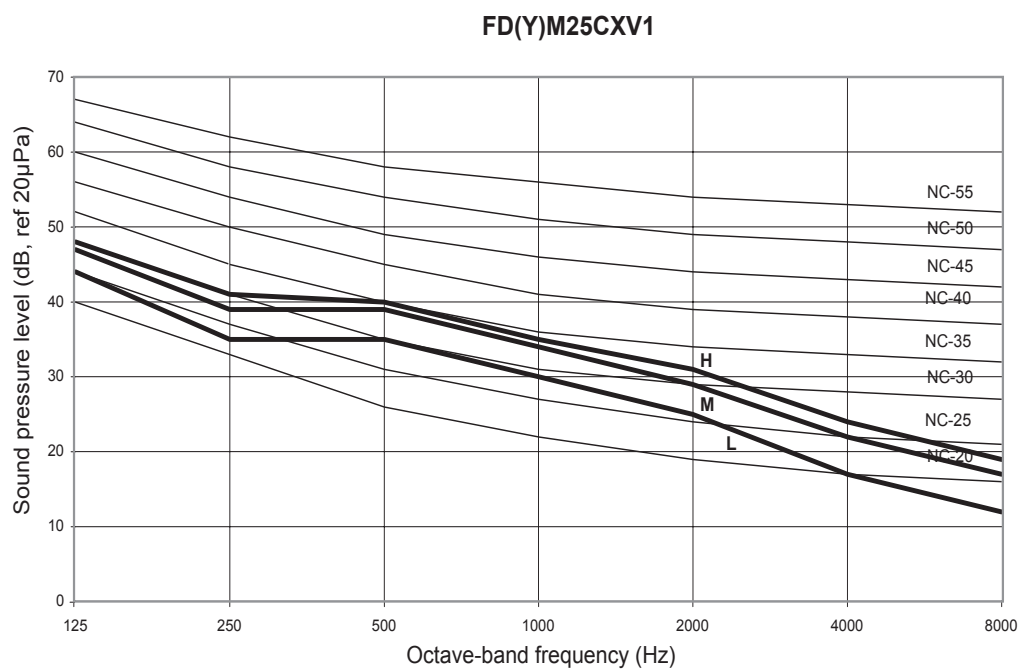
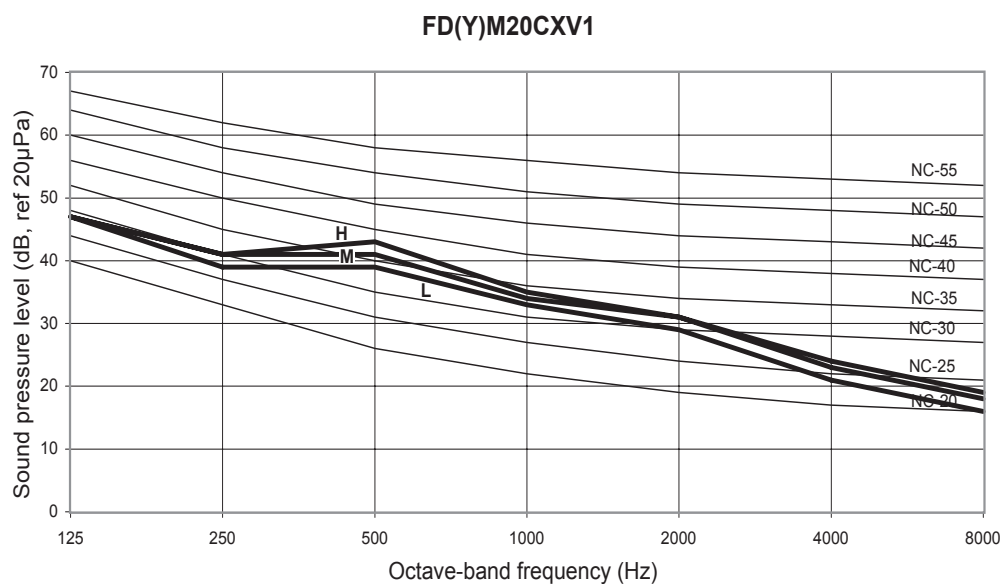
Sound Pressure Level

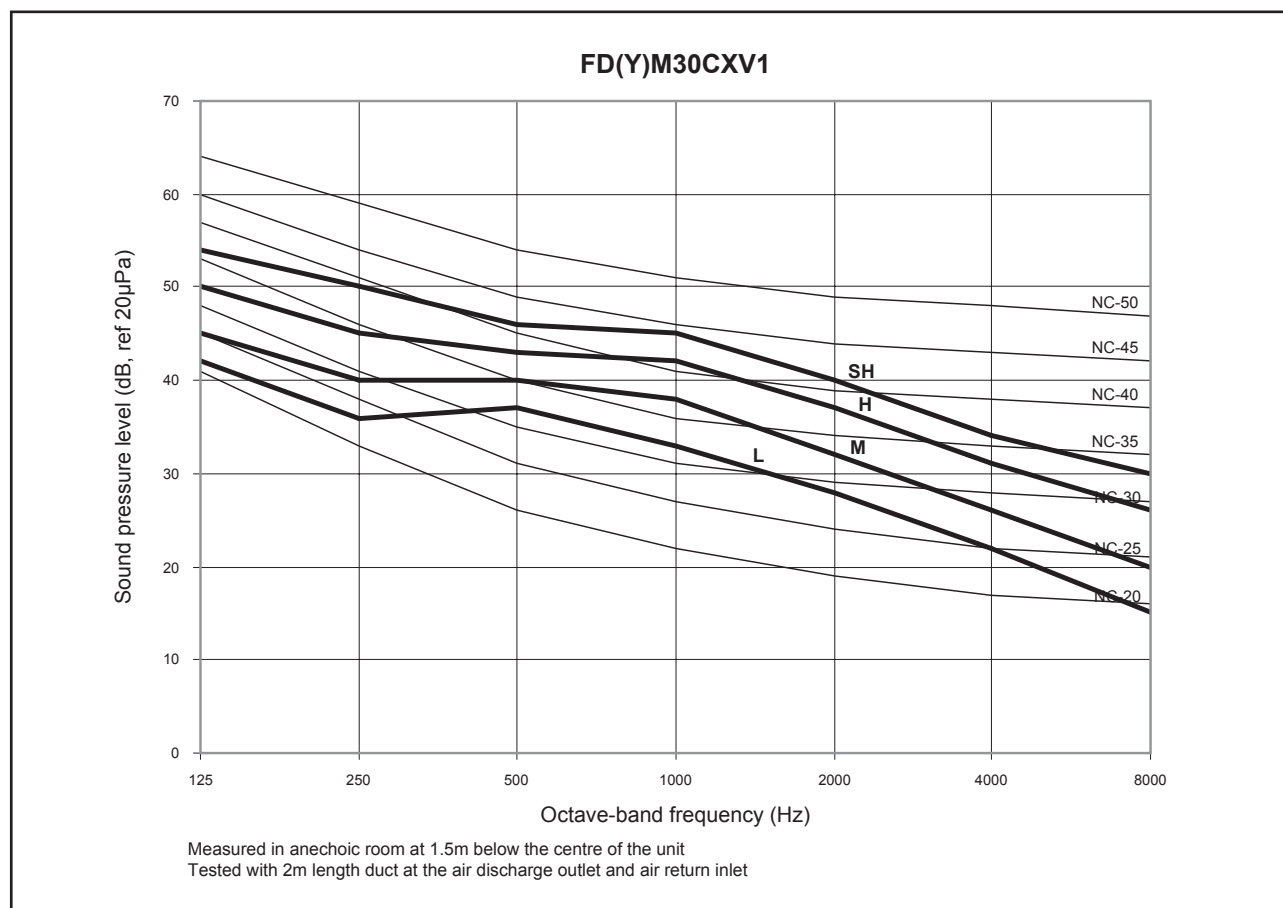
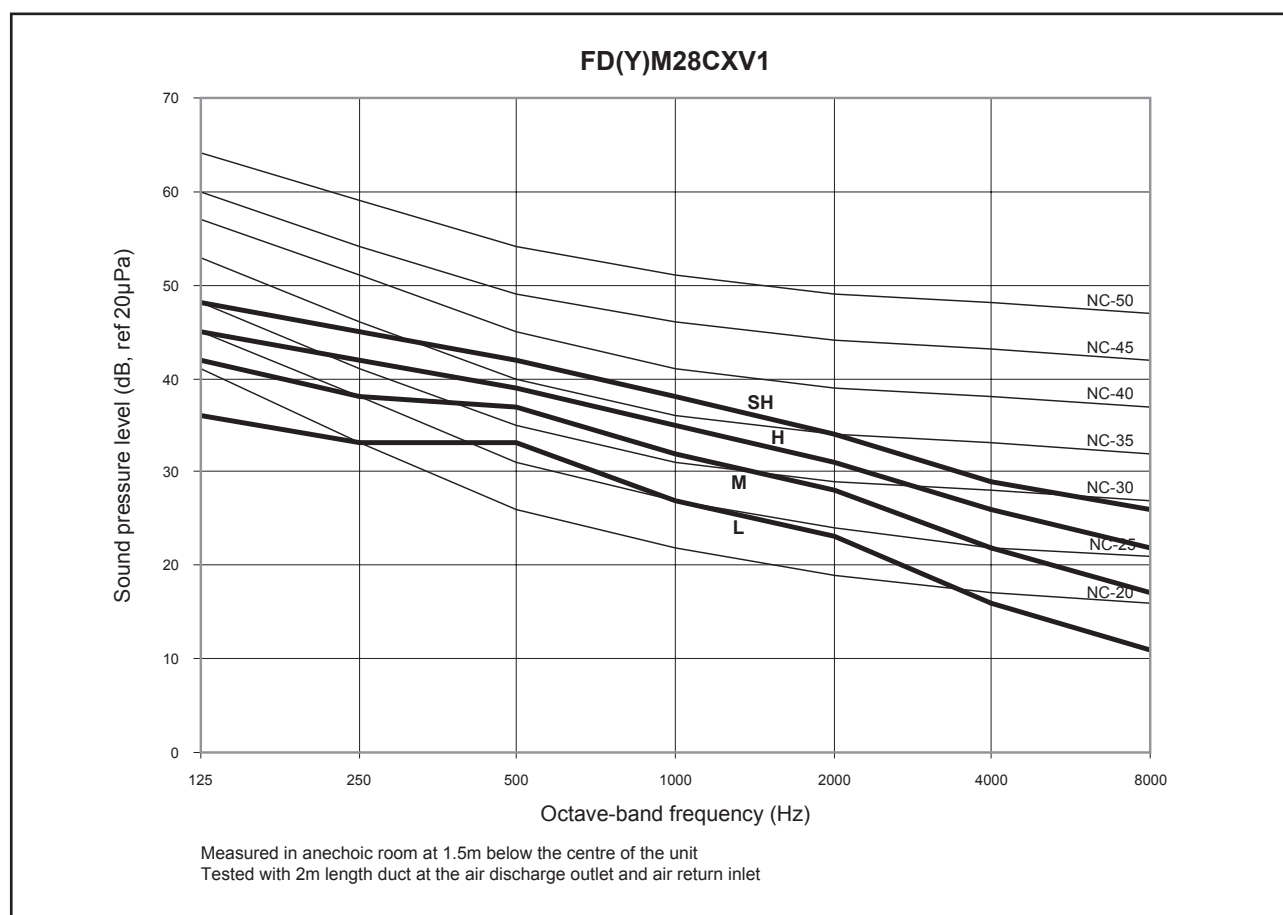
Model	Speed	1/1 Octave Sound Pressure (dB, ref 20μPa)							Overall (dBA)	Noise Criteria
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz		
FD(Y)B10CXV1	High	39	35	33	28	23	16	12	33	28
	Med	36	29	30	25	19	12	11	30	24
	Low	31	24	25	19	13	7	10	25	20
FD(Y)B15CXV1	High	42	36	36	29	25	16	9	36	31
	Med	39	33	33	27	19	9	6	33	28
	Low	33	27	28	19	12	6	5	28	22
FD(Y)B20CXV1	High	44	39	37	31	28	20	15	38	32
	Med	43	39	36	30	27	19	14	37	31
	Low	43	36	34	28	25	16	10	35	29
FD(Y)B25CXV1	High	47	38	39	34	30	23	18	40	34
	Med	46	37	38	33	29	22	17	39	33
	Low	42	33	34	29	24	15	10	35	29
FD(Y)B30CXV1	S. High	45	42	39	35	31	26	22	41	34
	High	47	38	39	34	30	23	18	40	34
	Med	46	37	38	33	29	22	17	39	33
	Low	42	36	36	29	25	16	11	36	31
FD(Y)B40CXV1	S. High	47	43	42	38	35	29	24	43	37
	High	45	42	39	35	31	26	22	41	34
	Med	42	41	37	34	31	29	23	40	33
	Low	42	38	37	32	28	22	17	38	32
FD(Y)B50CXV1	S. High	50	45	43	42	37	31	26	46	41
	High	49	43	42	39	35	29	24	44	38
	Med	47	43	41	38	35	27	23	43	37
	Low	47	41	40	37	32	27	22	42	36
FD(Y)B60CXV1	S. High	58	46	45	44	40	33	26	48	43
	High	58	45	45	43	37	31	24	47	42
	Med	58	44	45	42	36	30	23	46	42
	Low	56	42	43	41	35	30	23	45	40

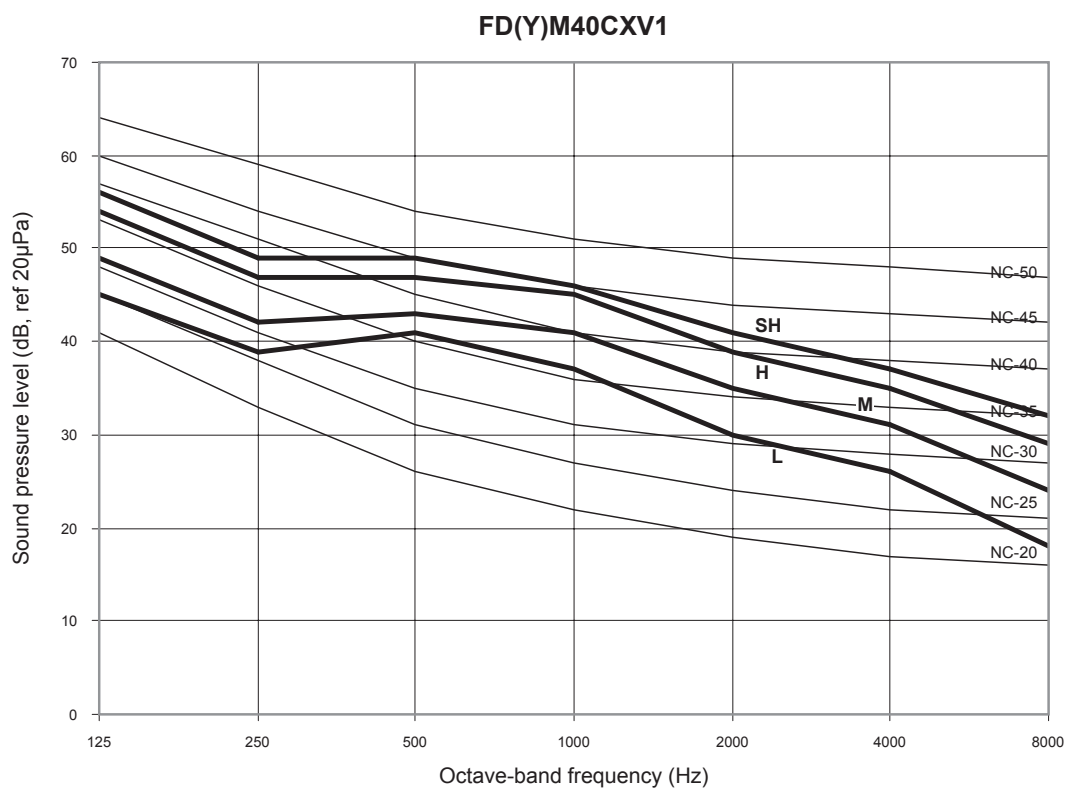
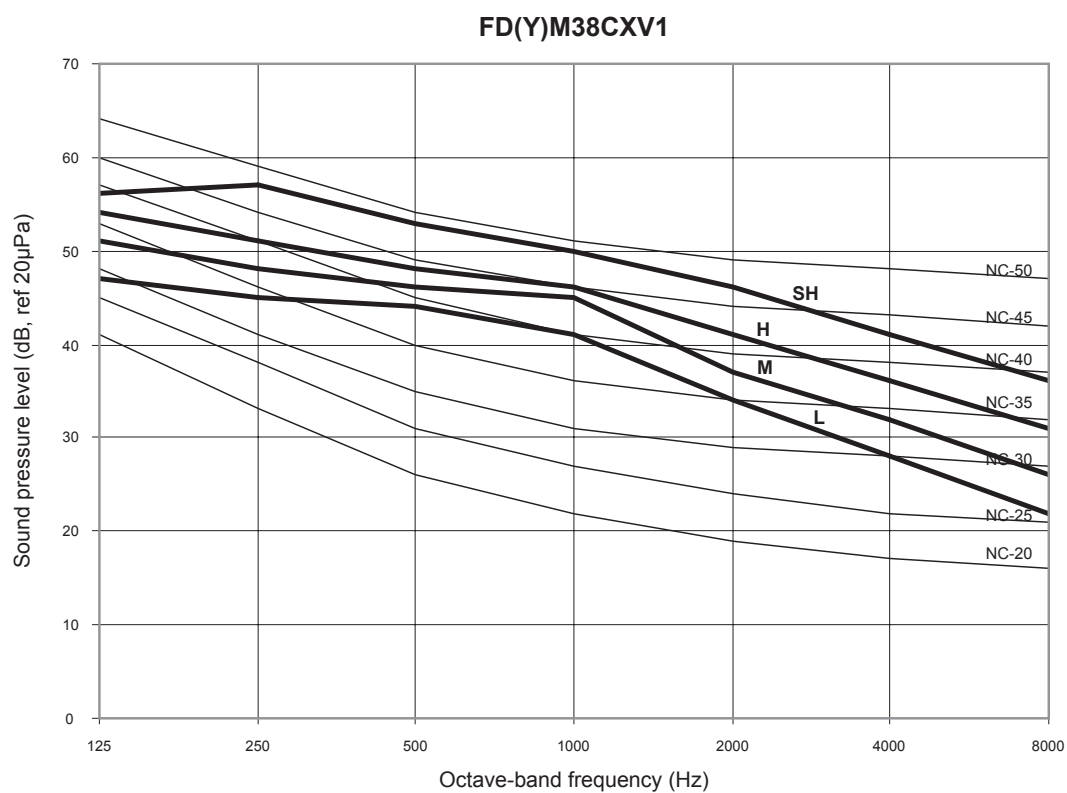
Model	Measuring location
FD(Y)M10CXV1 FD(Y)M15CXV1 FD(Y)M20CXV1 FD(Y)M25CXV1 FD(Y)M28CXV1 FD(Y)M30CXV1 FD(Y)M38CXV1 FD(Y)M40CXV1 FD(Y)M50CXV1 FD(Y)M60CXV1 FD(Y)B10CXV1 FD(Y)B15CXV1 FD(Y)B20CXV1 FD(Y)B25CXV1 FD(Y)B30CXV1 FD(Y)B40CXV1 FD(Y)B50CXV1 FD(Y)B60CXV1	

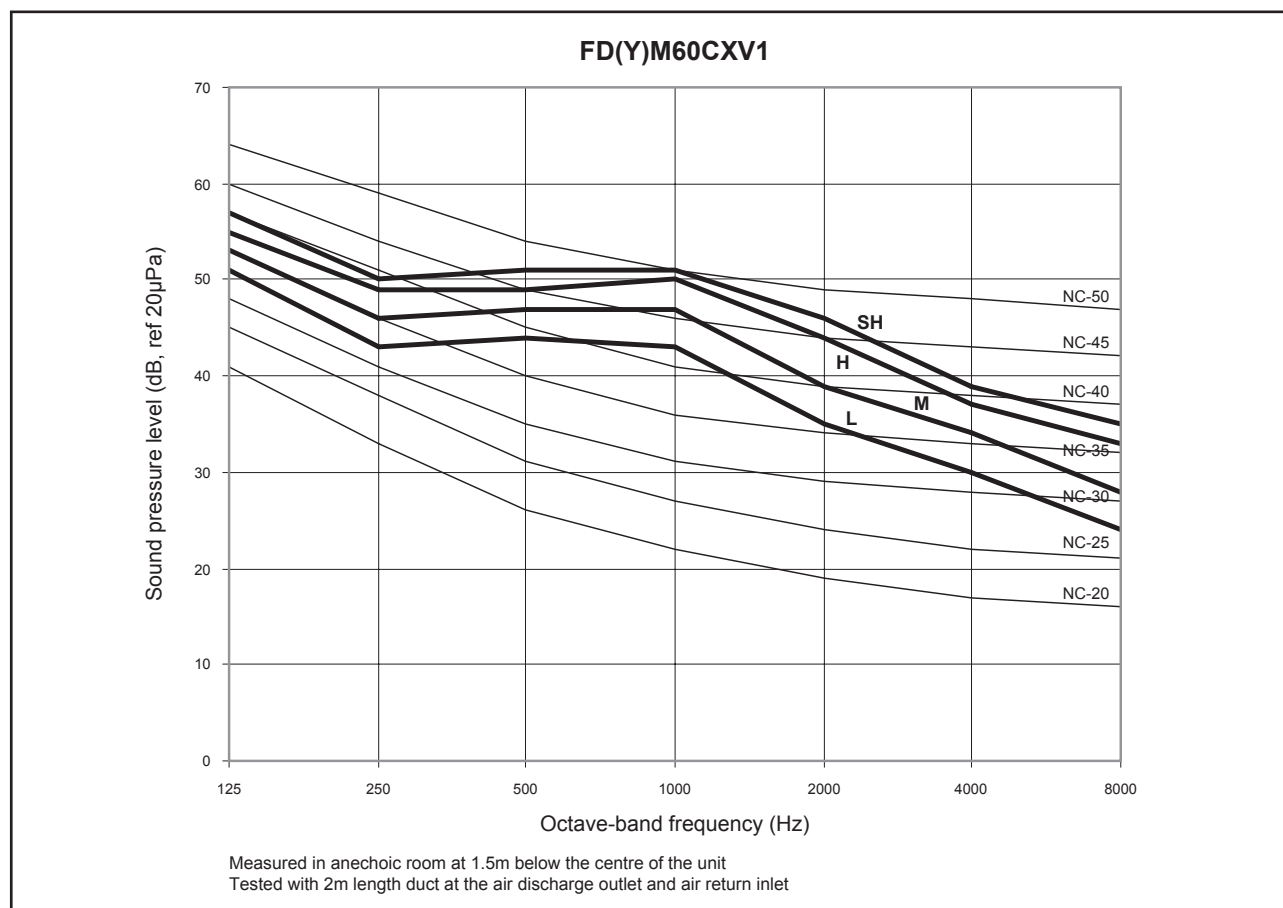
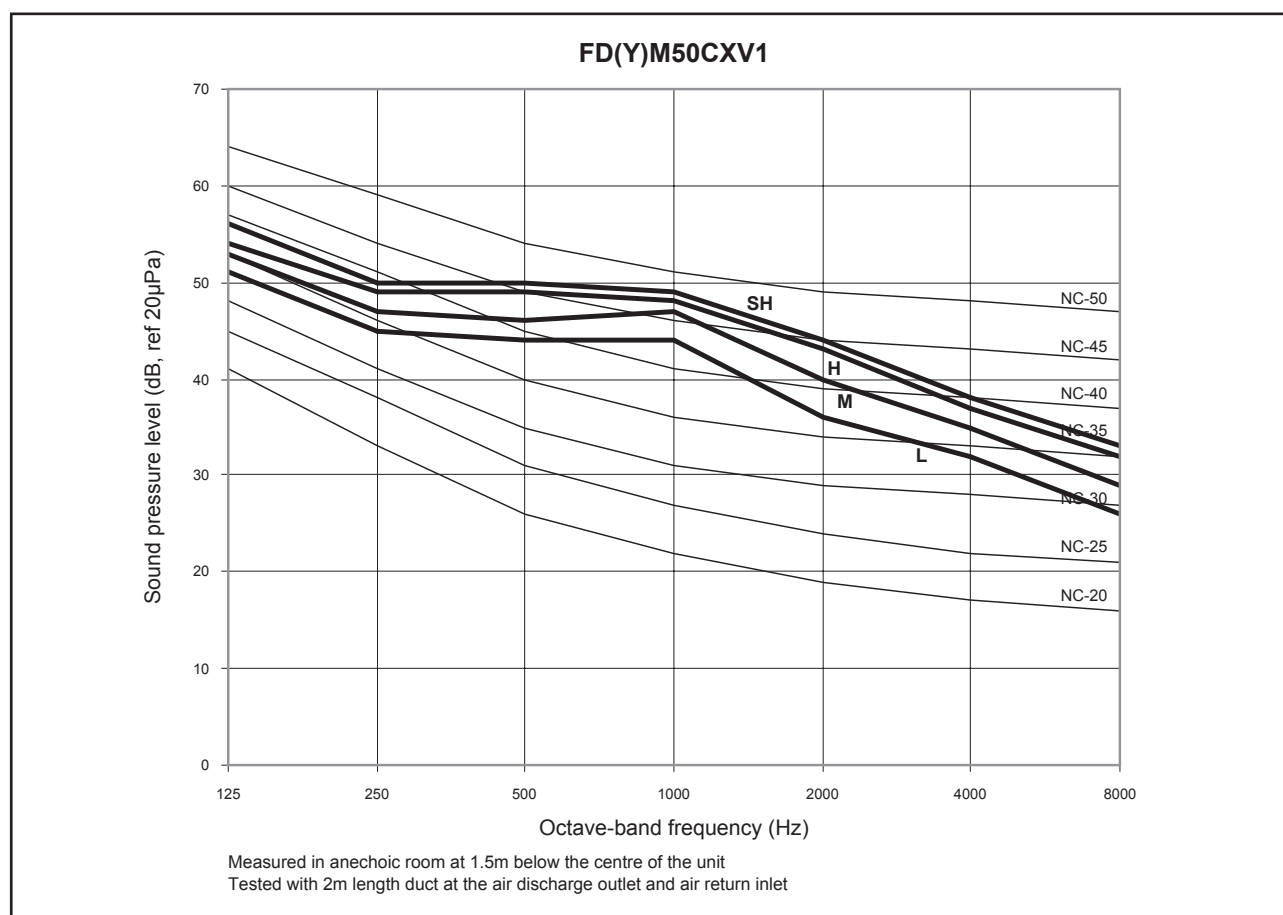
NC Curve

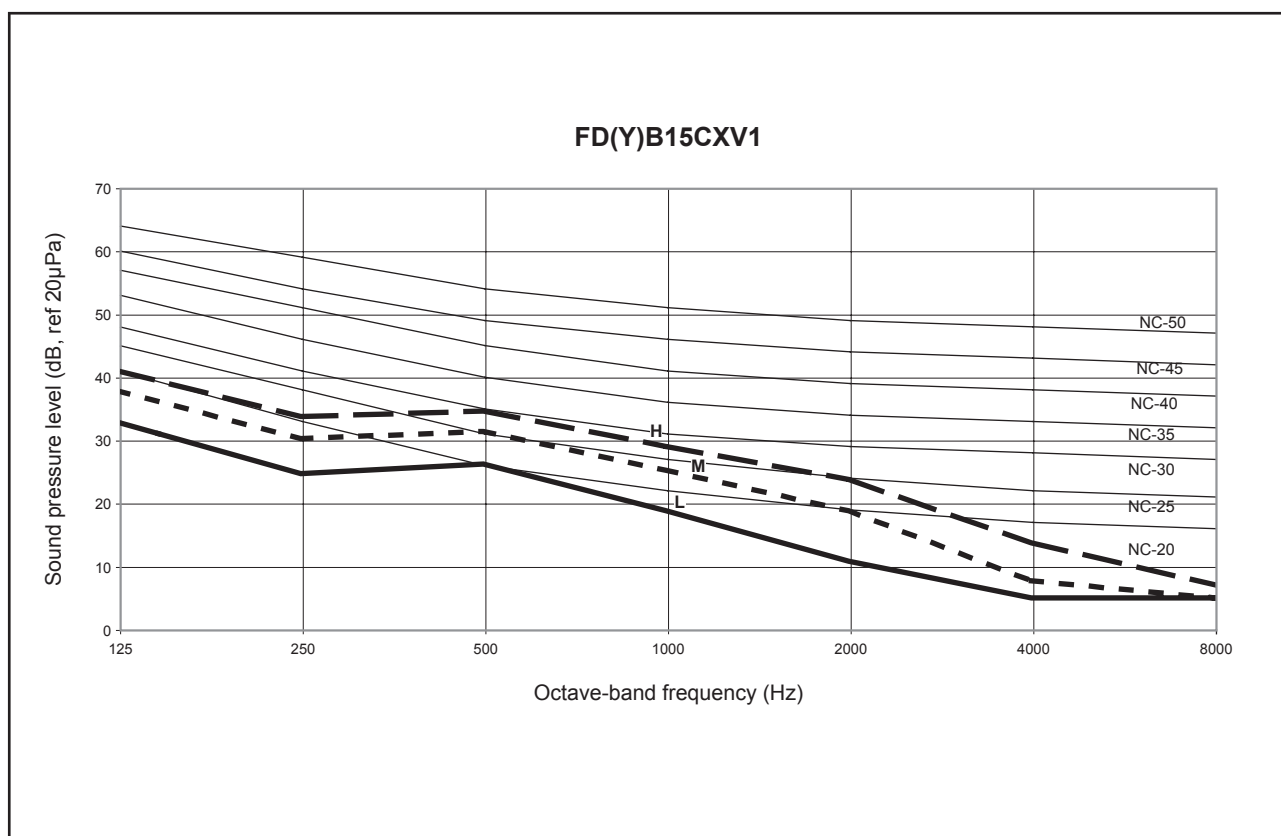
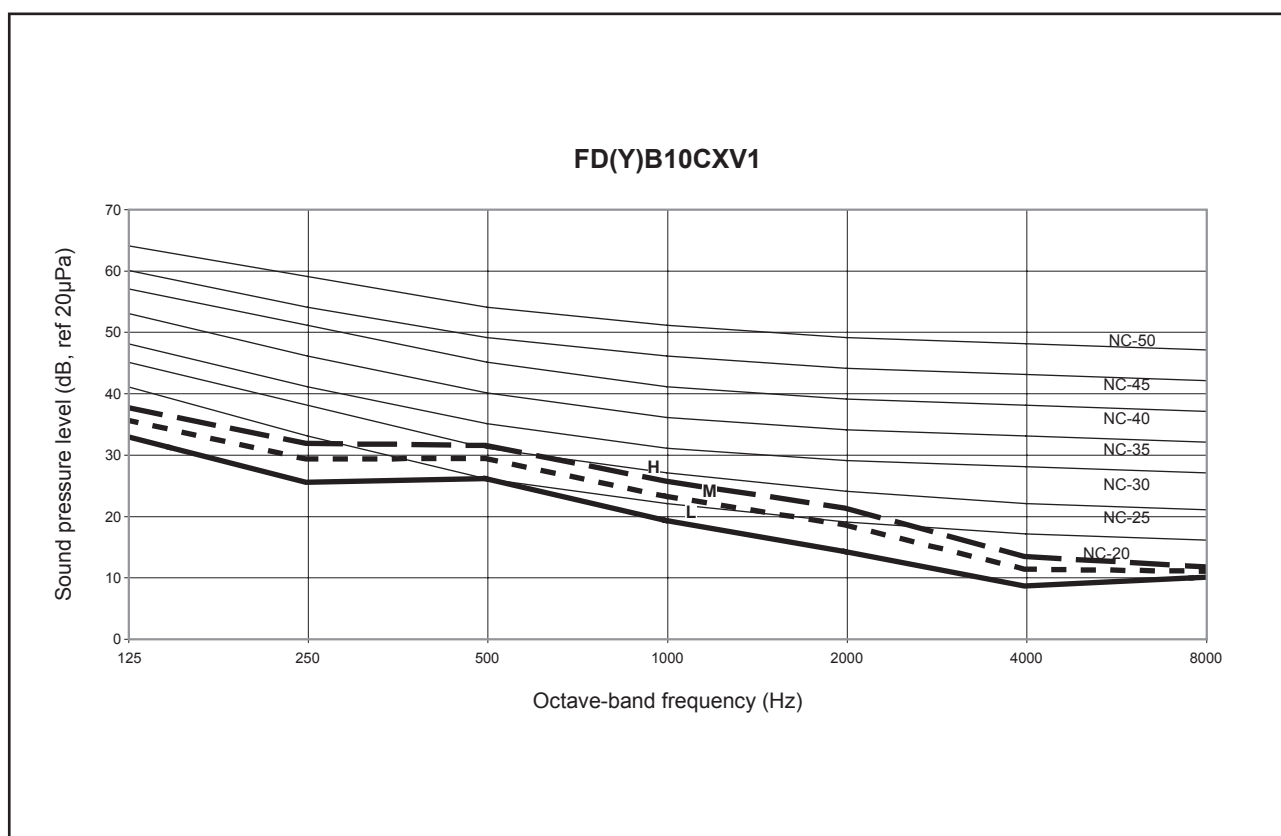


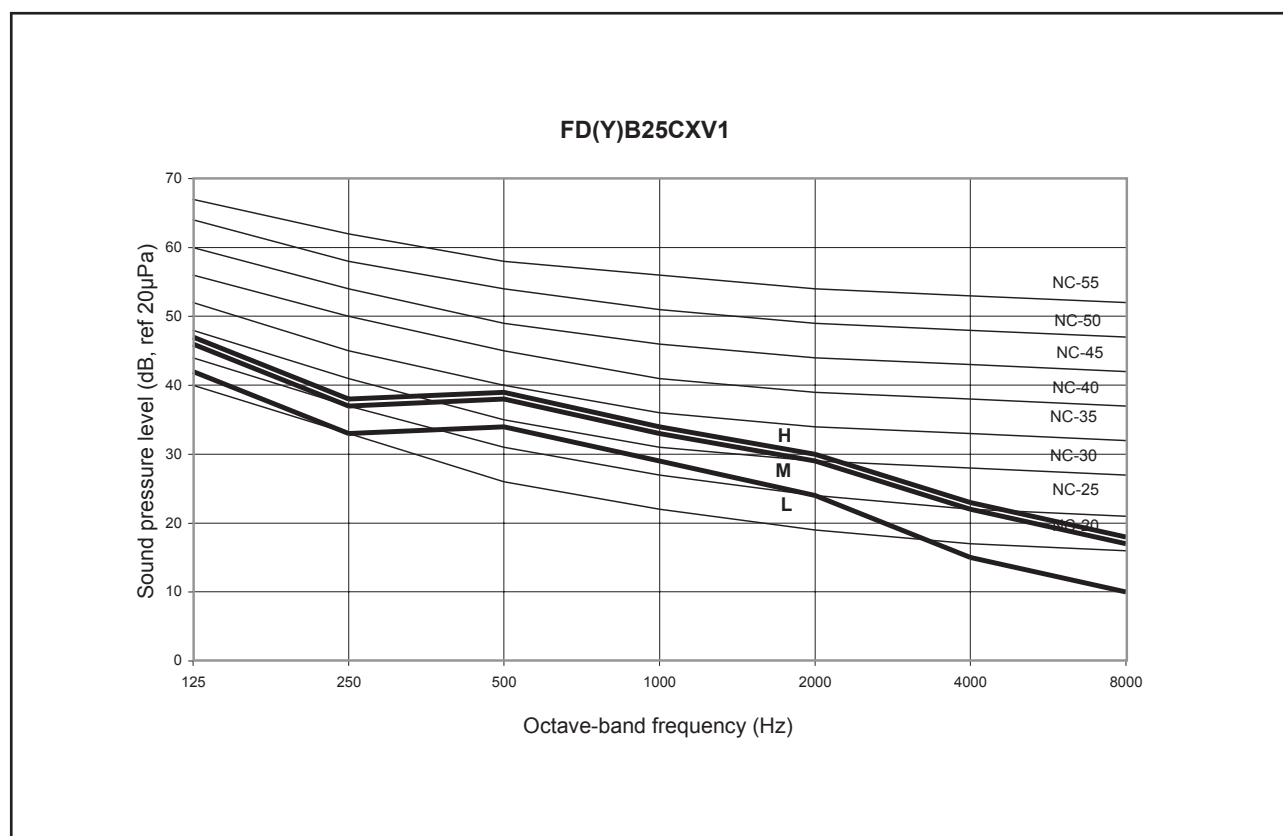
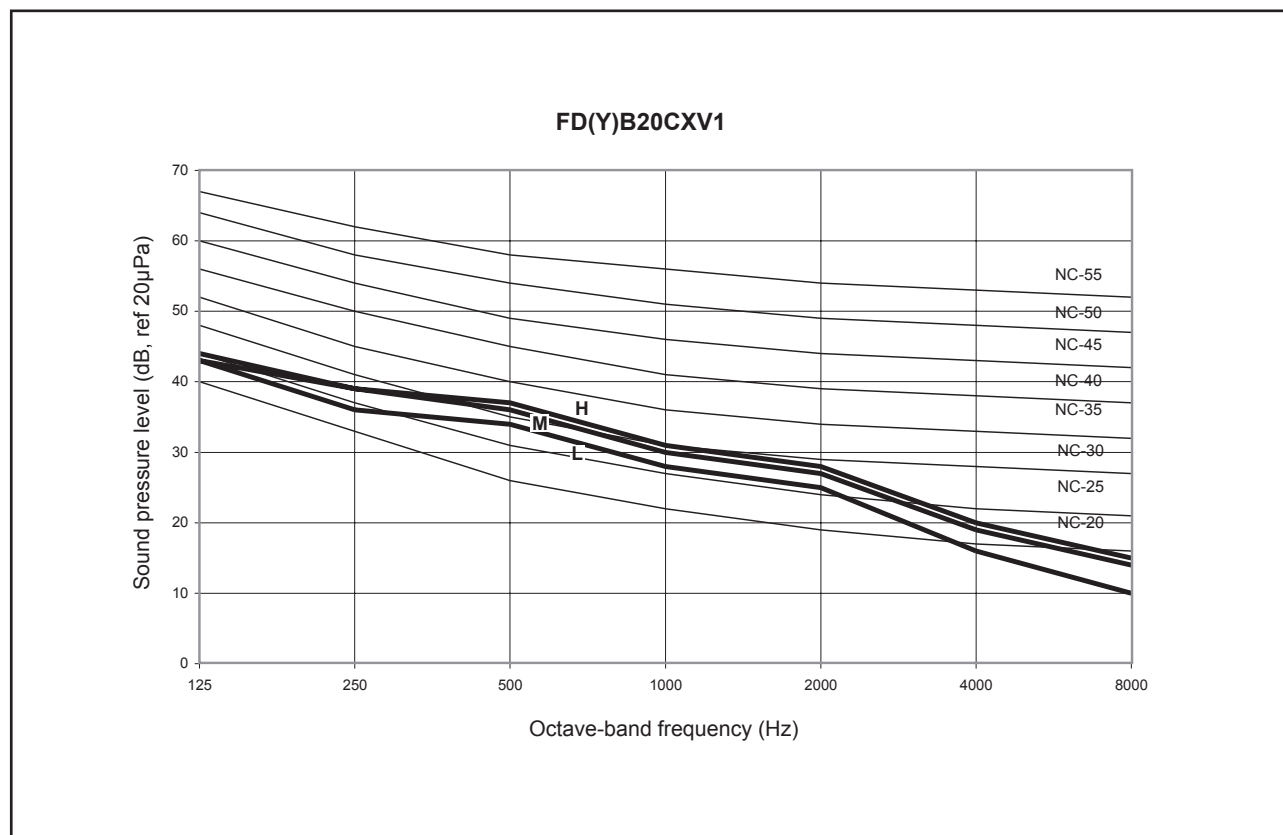




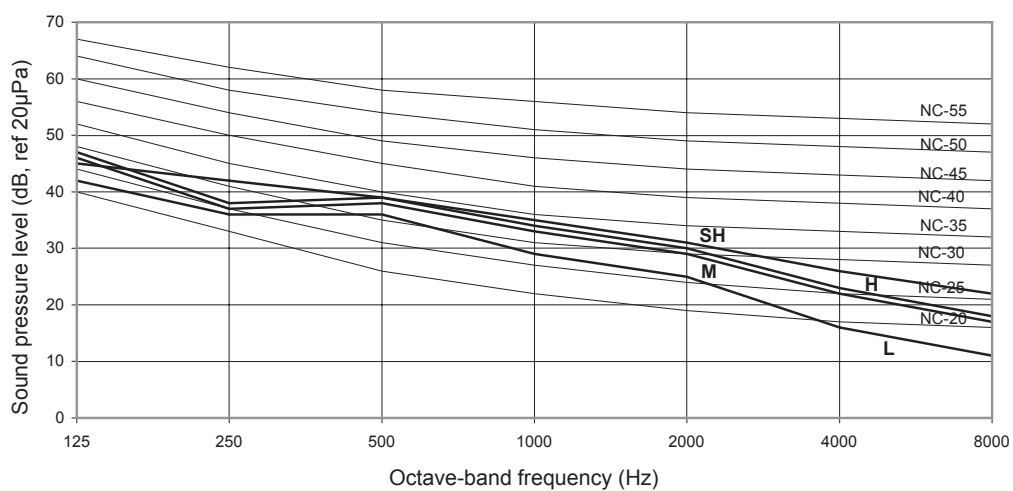




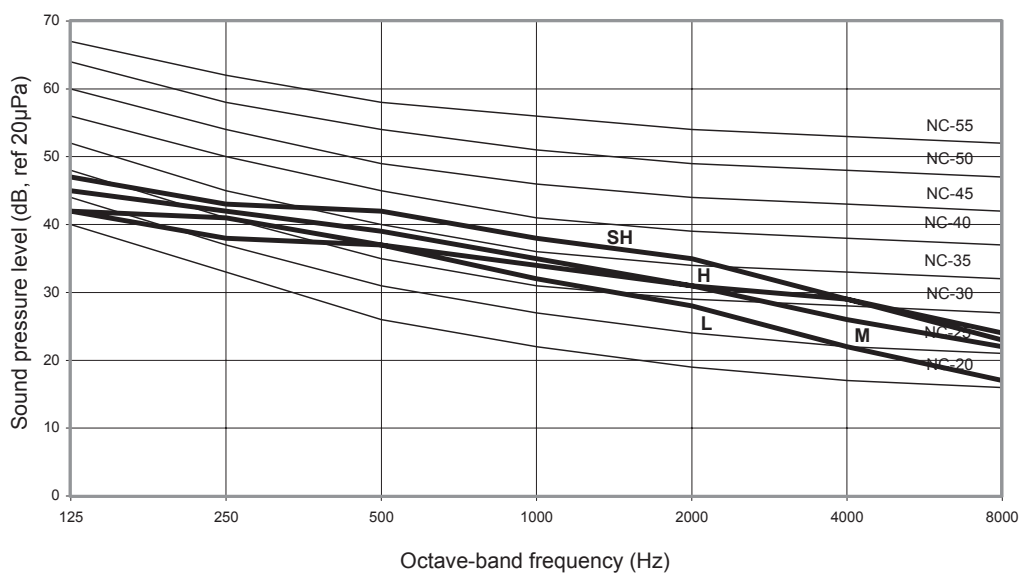


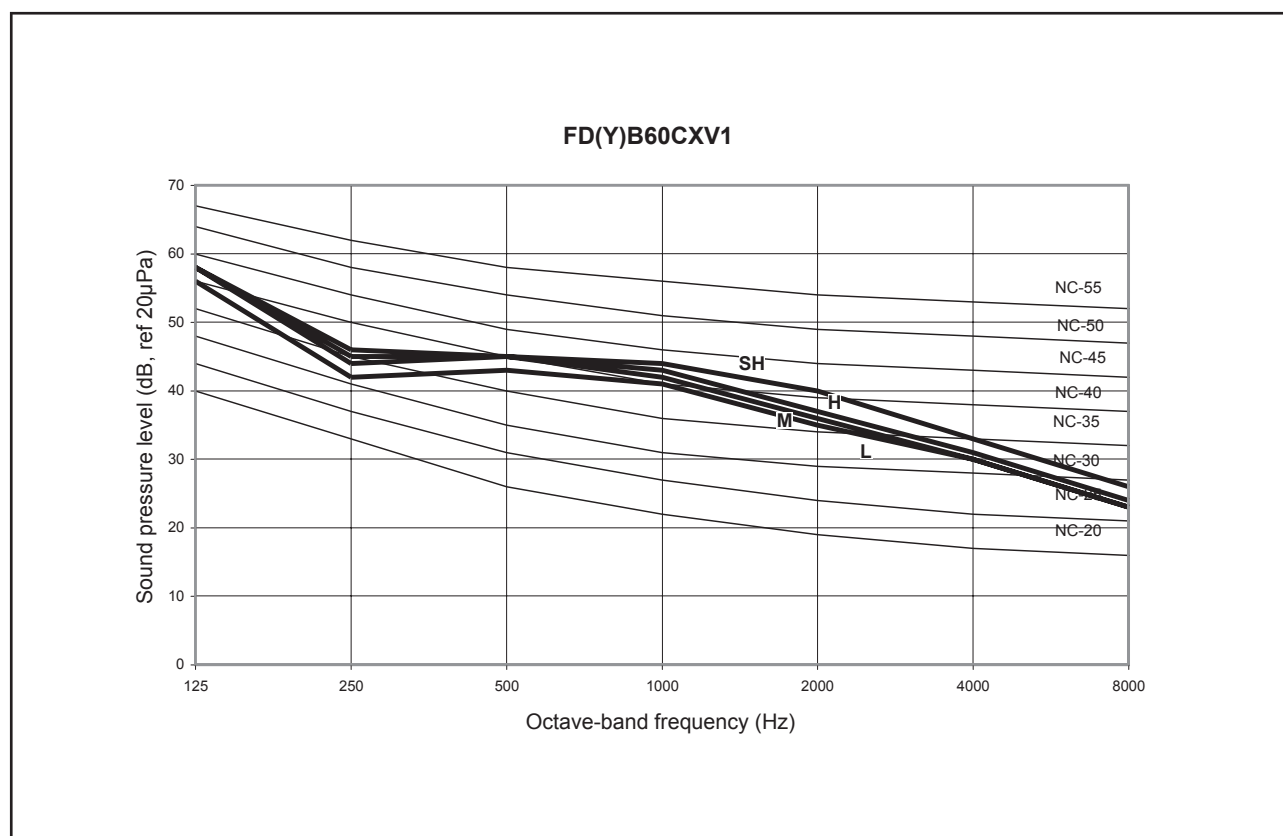
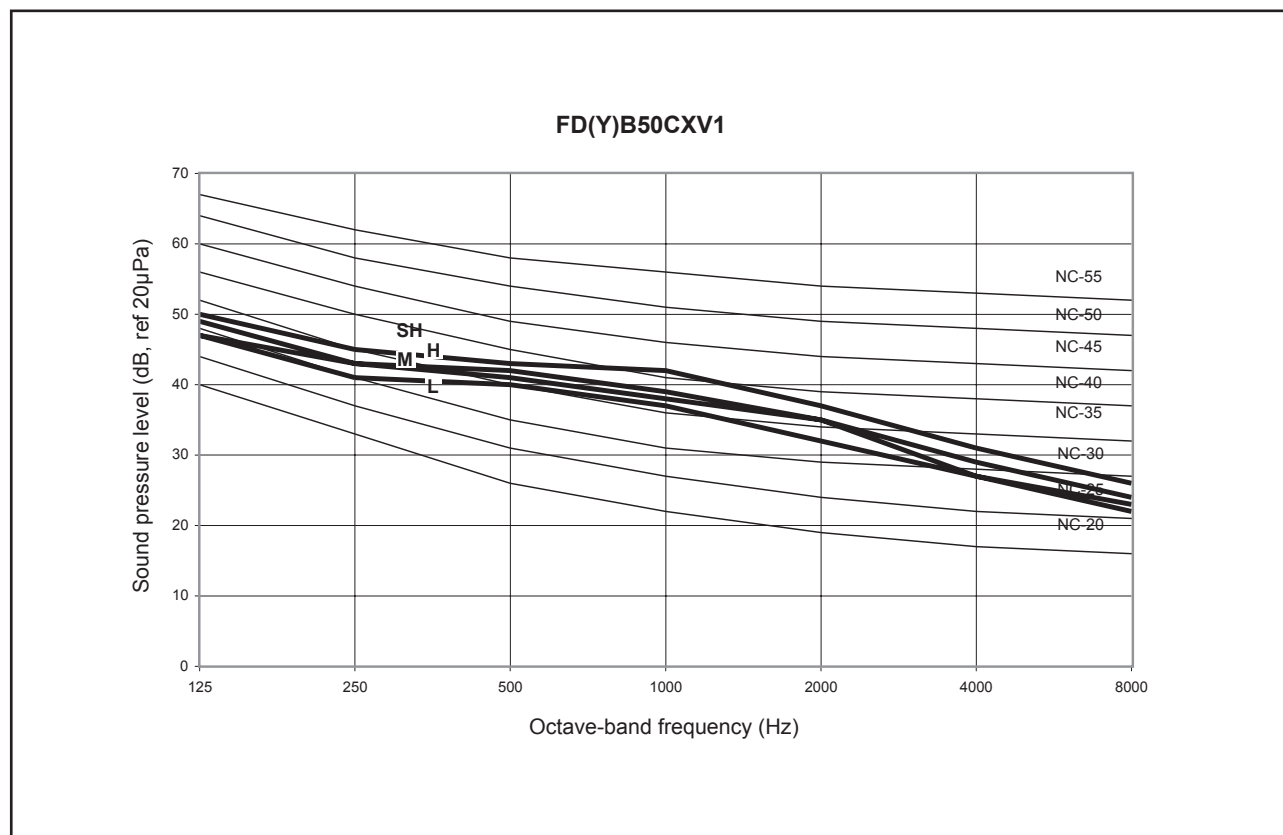


FD(Y)B30CXV1



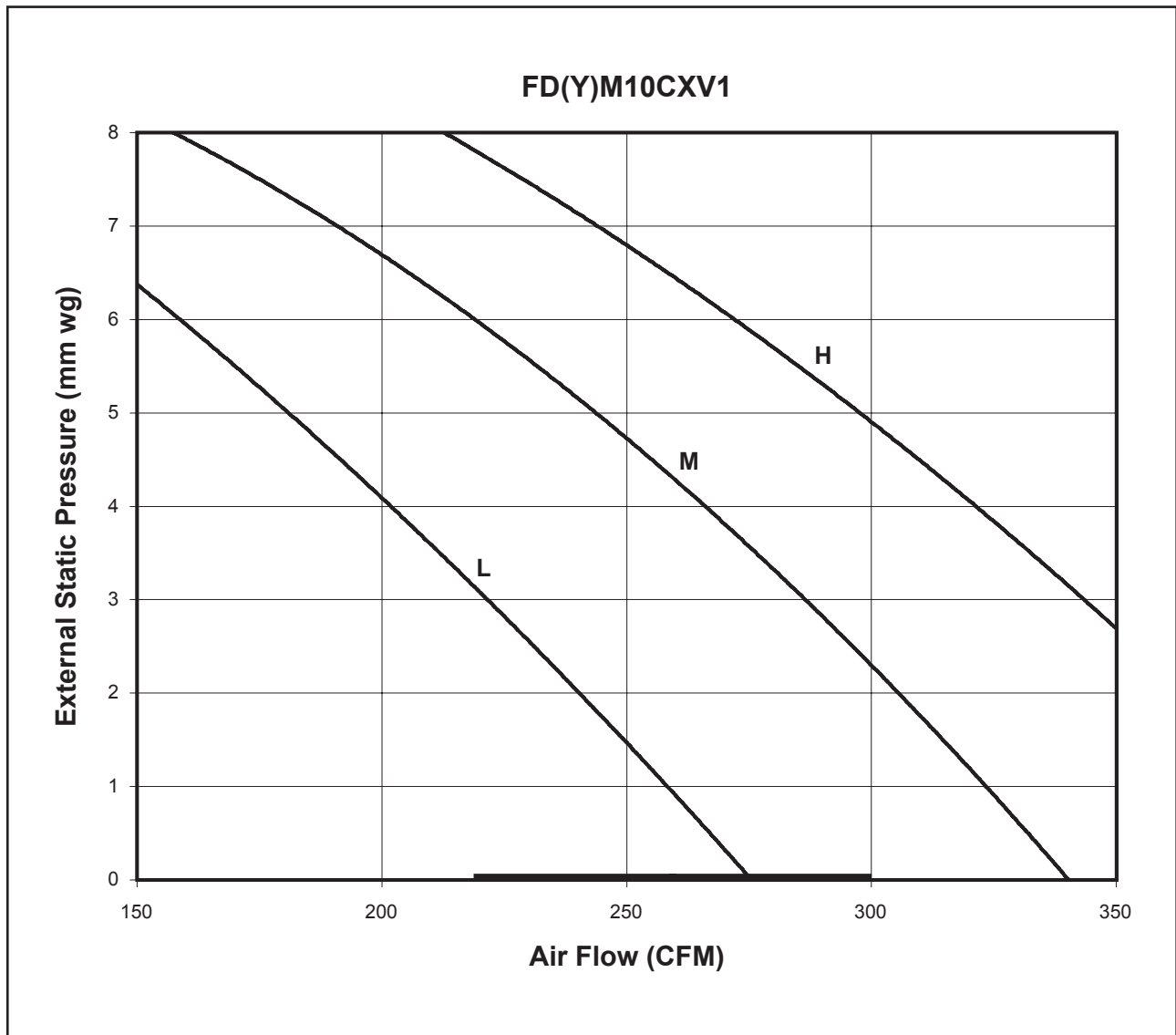
FD(Y)B40CXV1

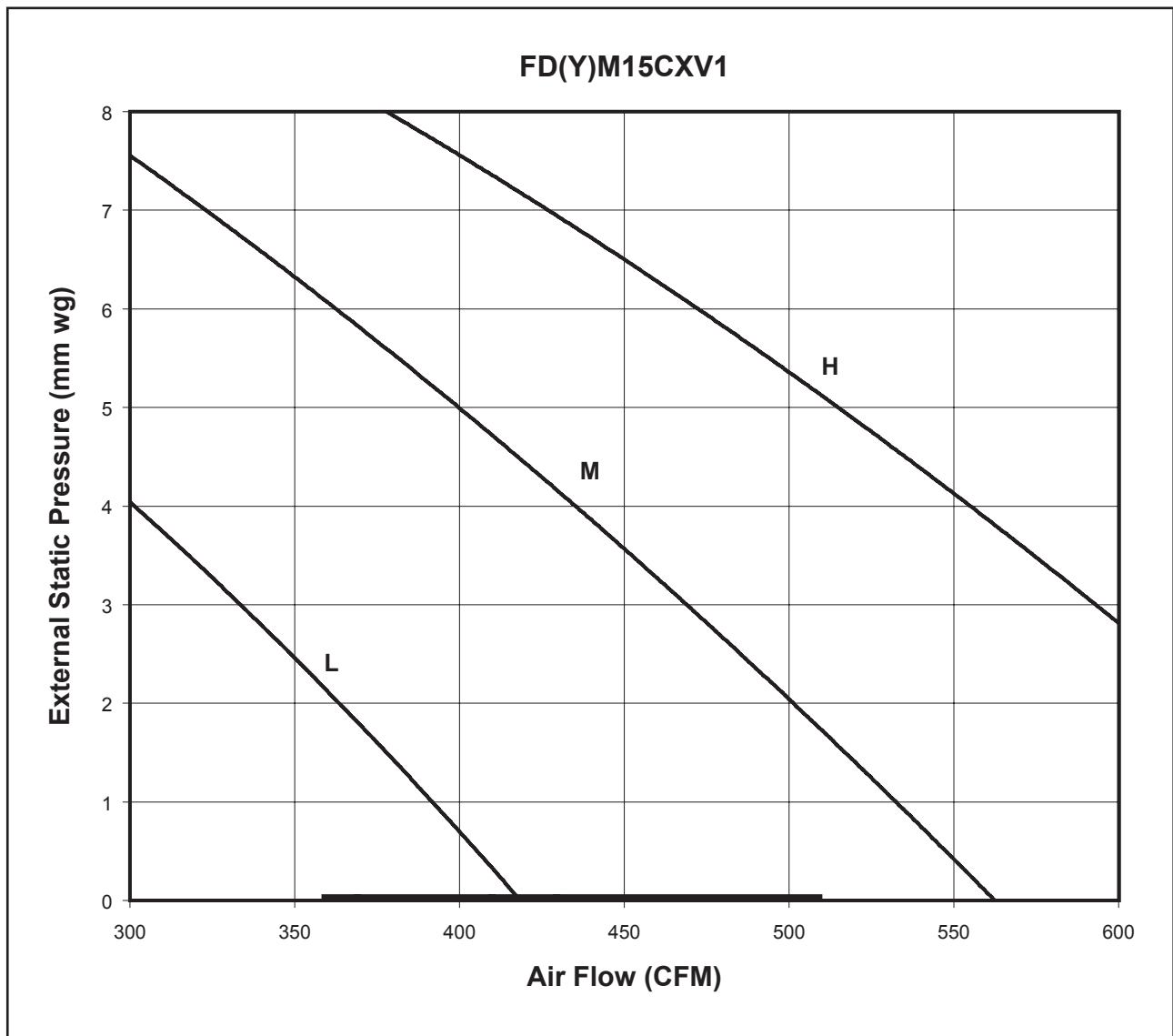


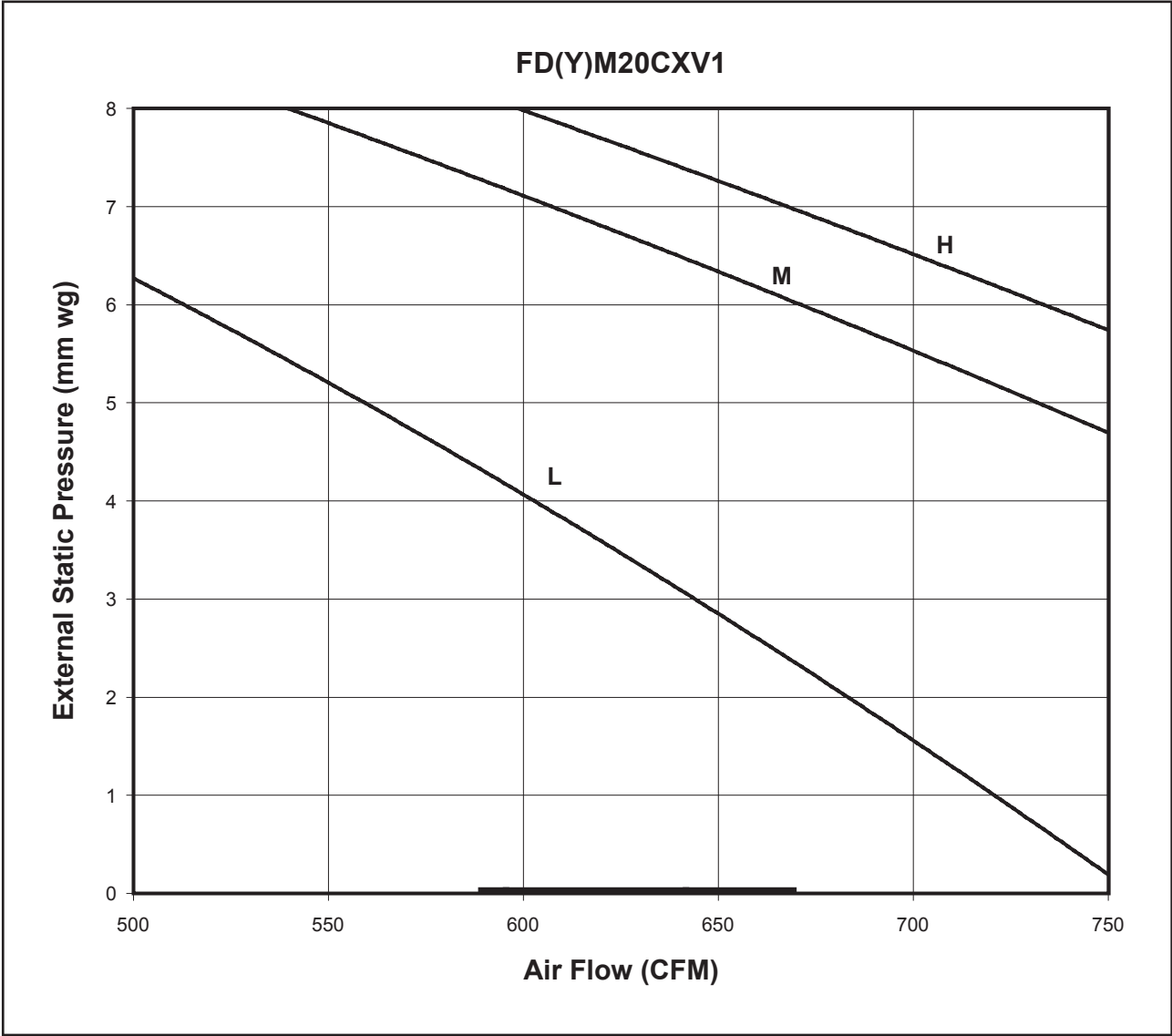


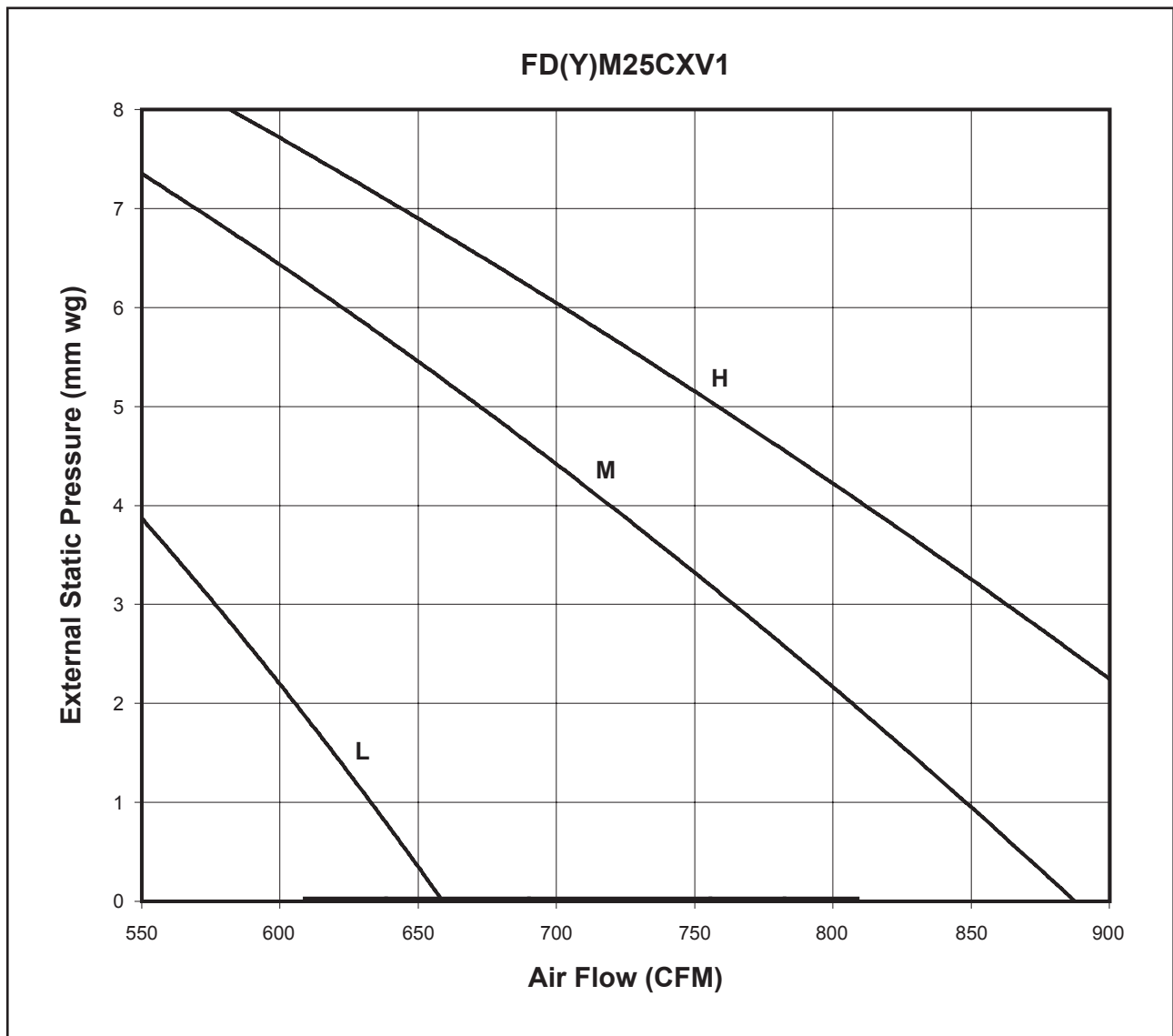
Selection Process

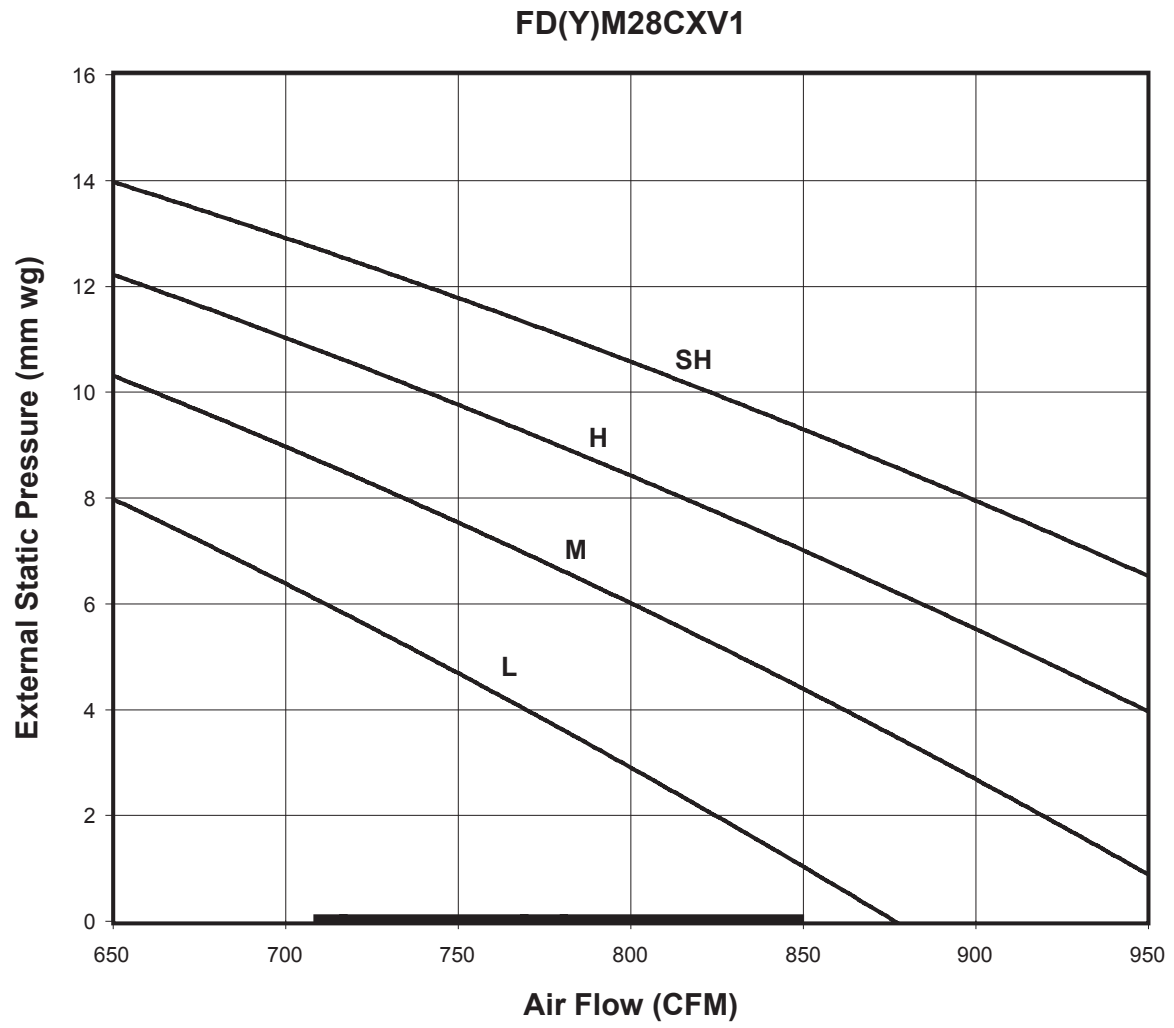
Blower Performance Curve

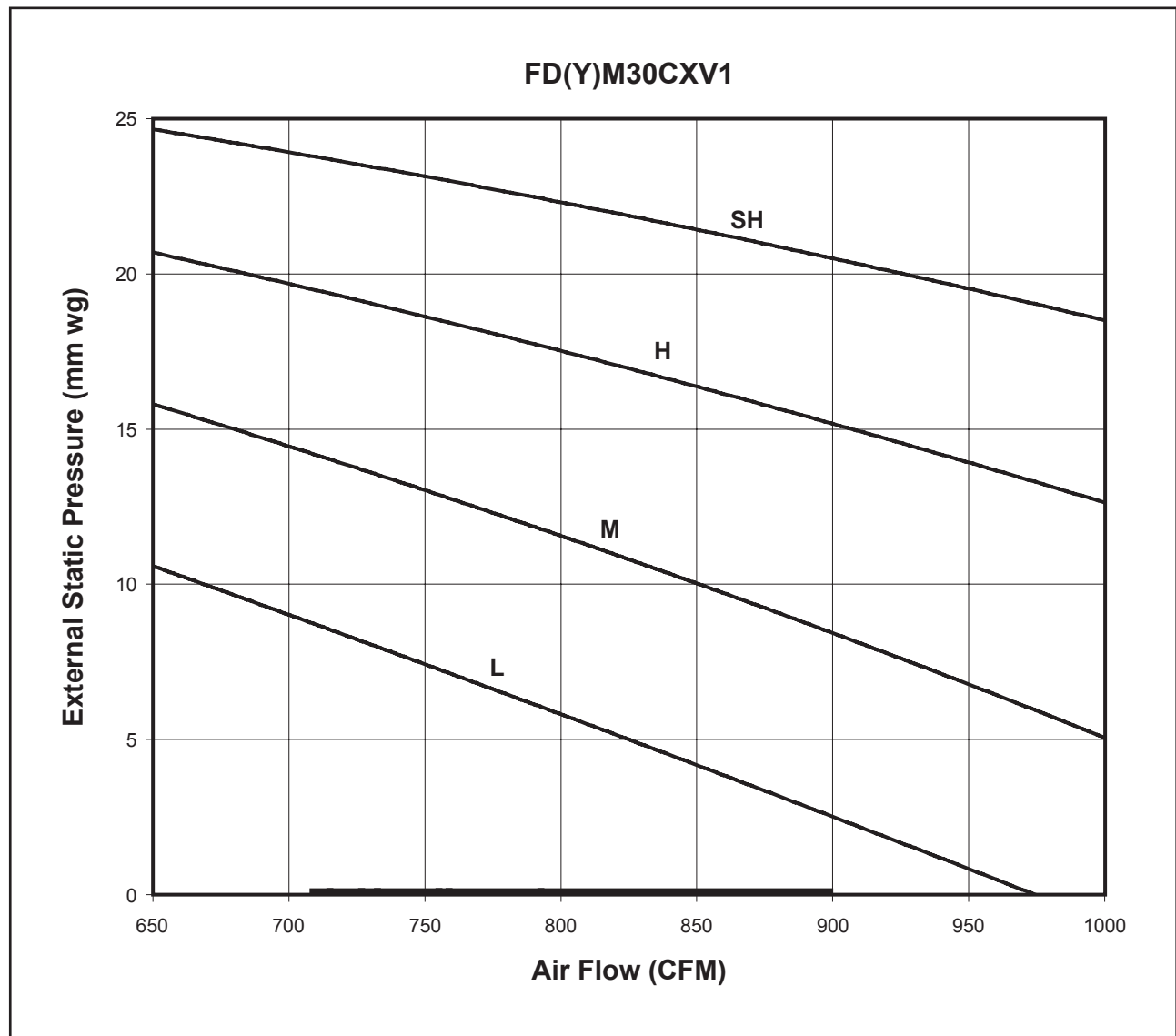


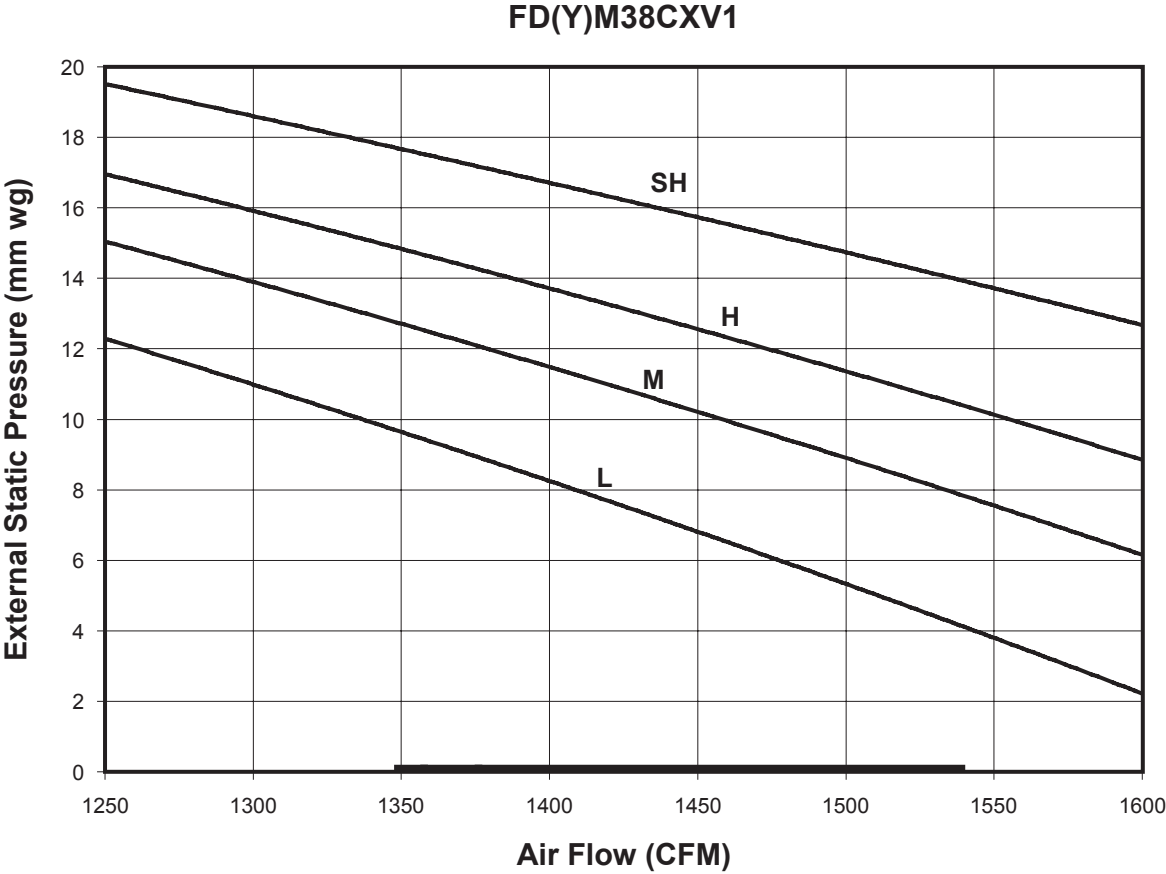


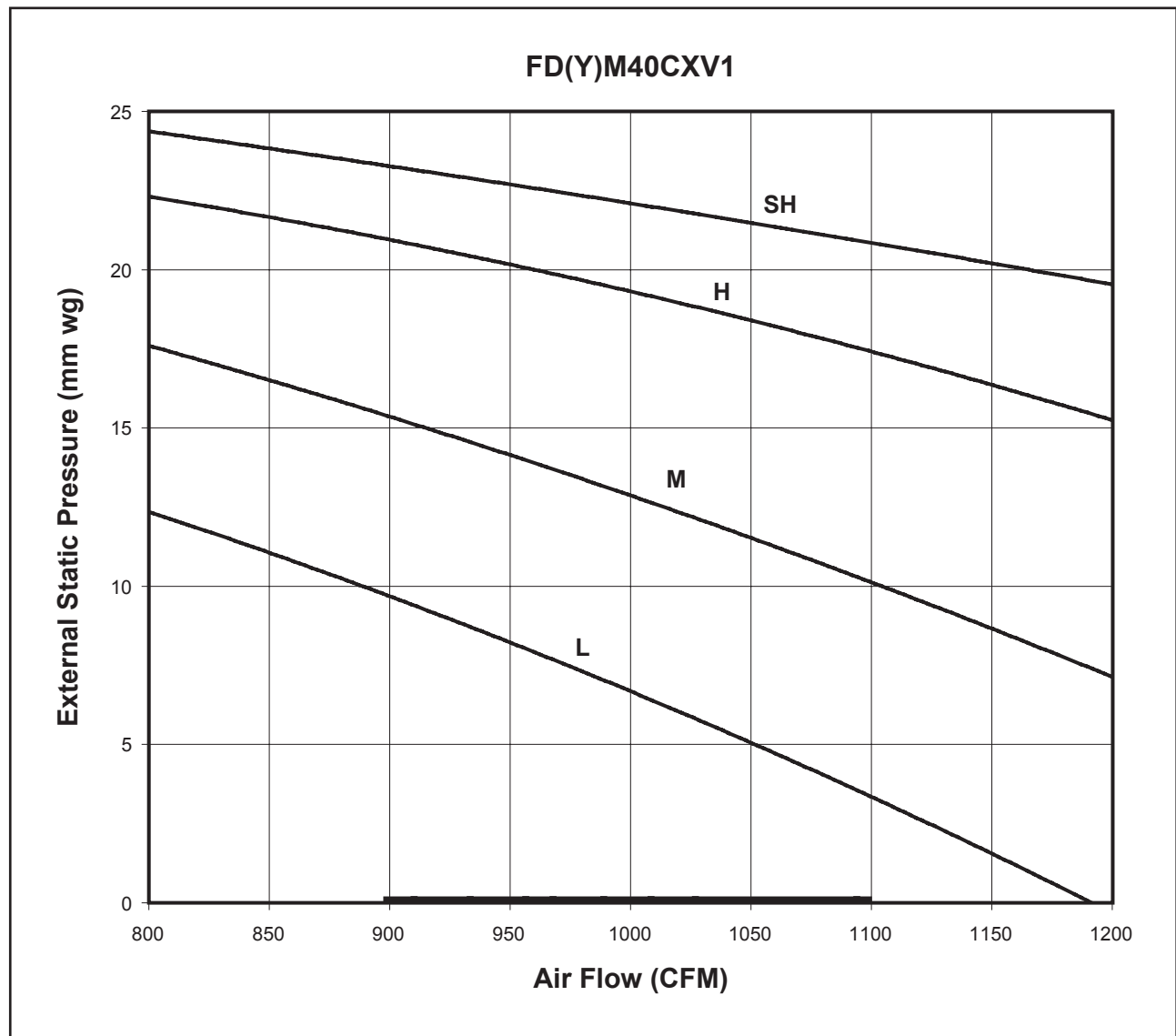


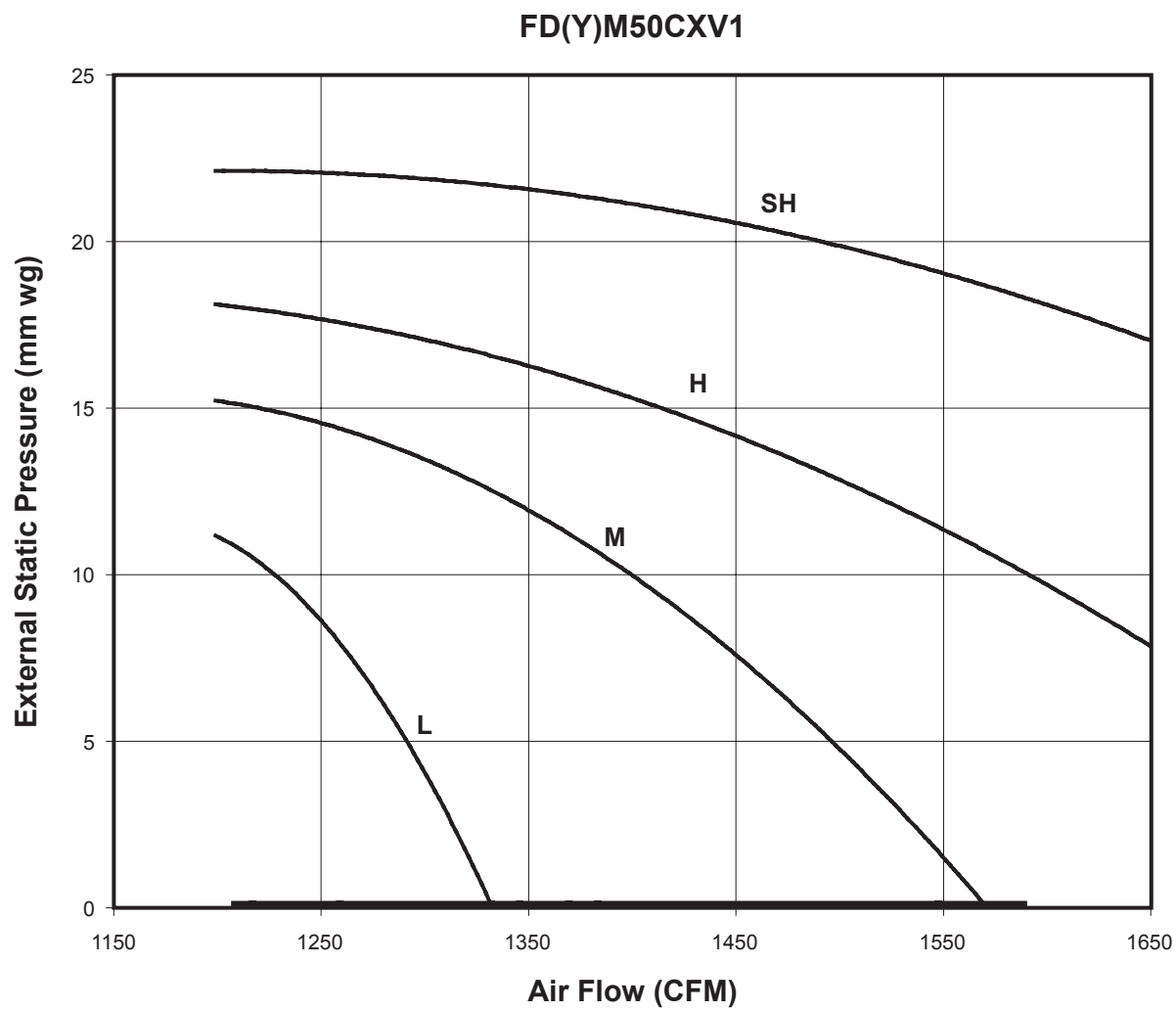


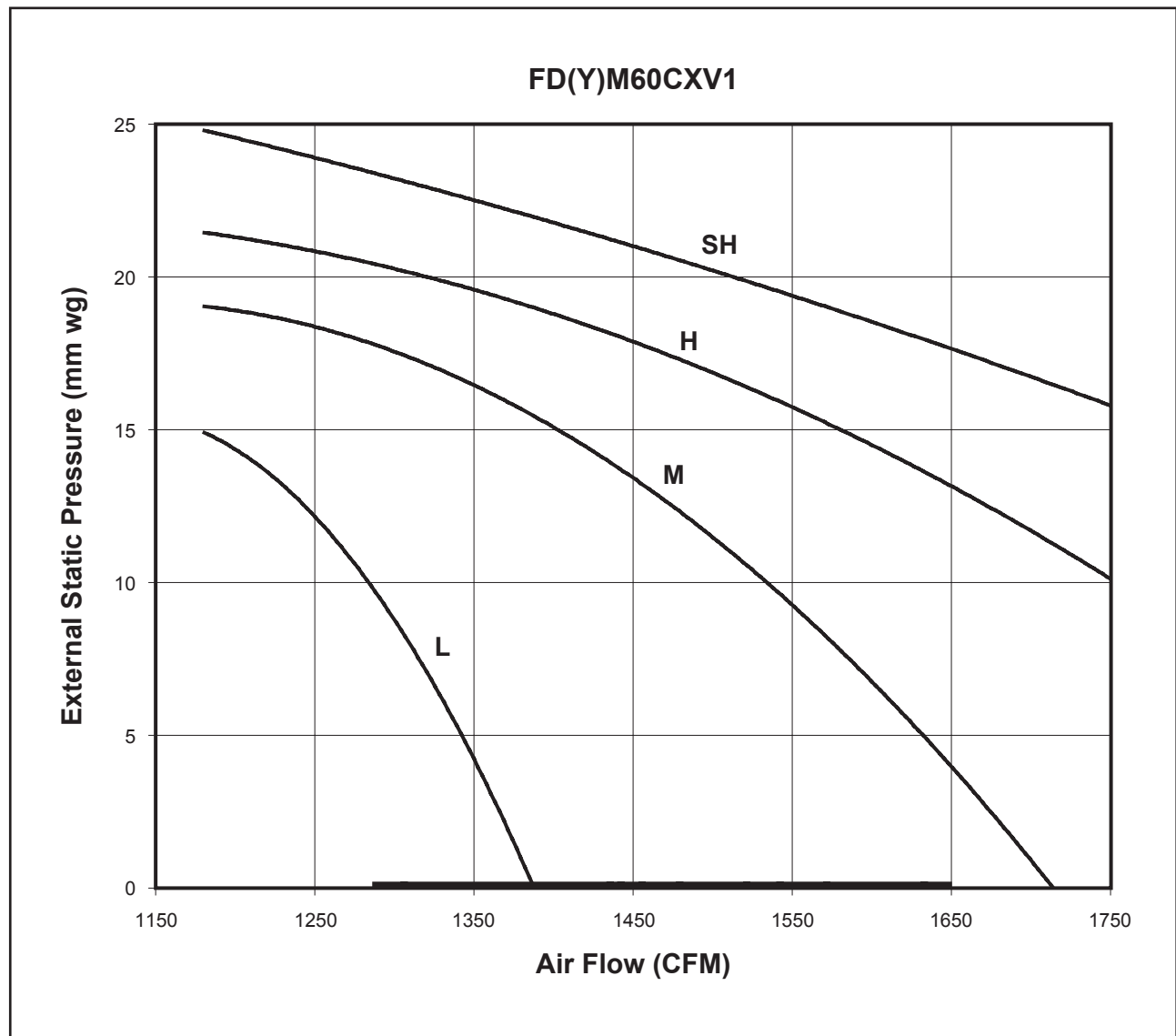




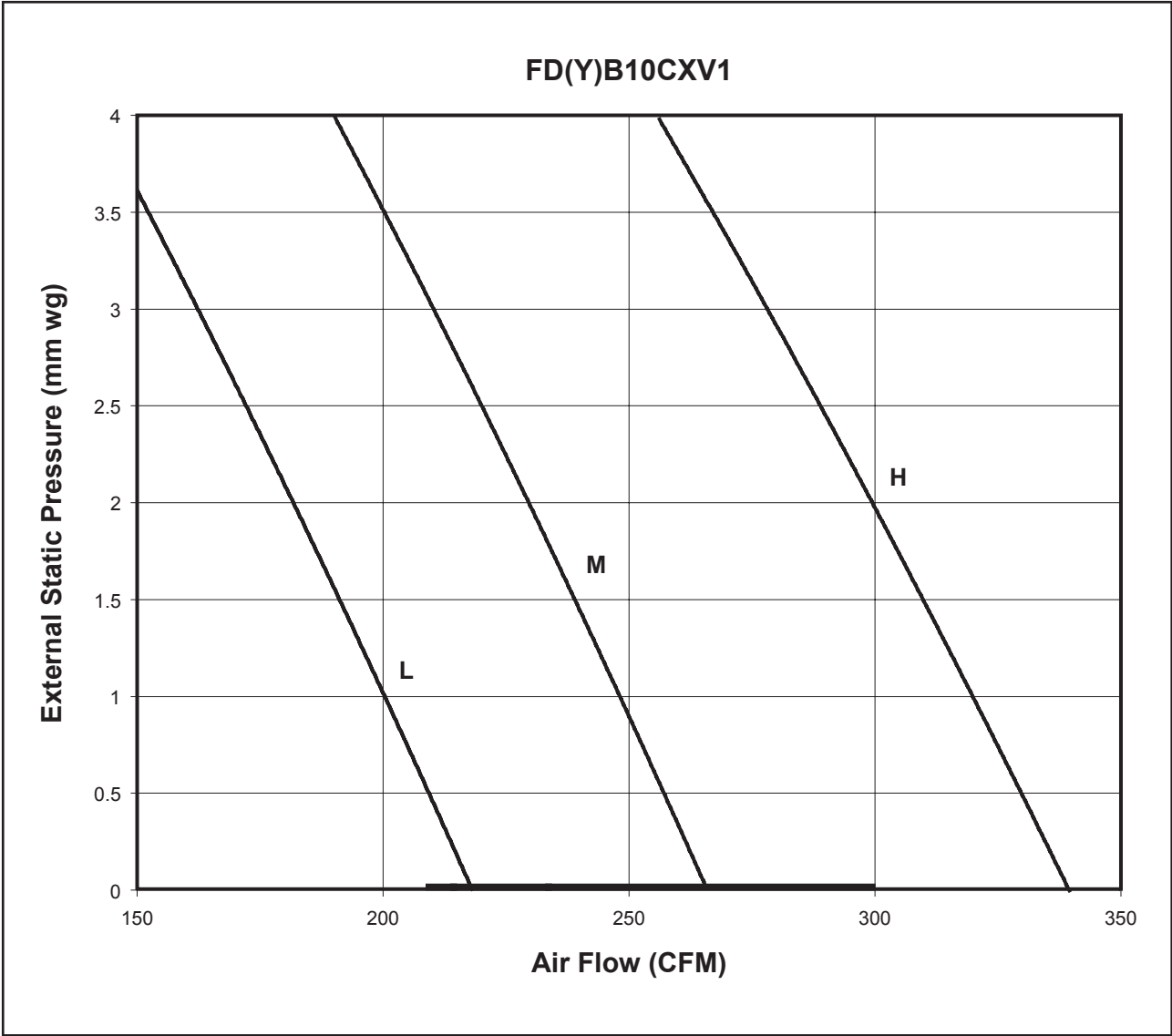


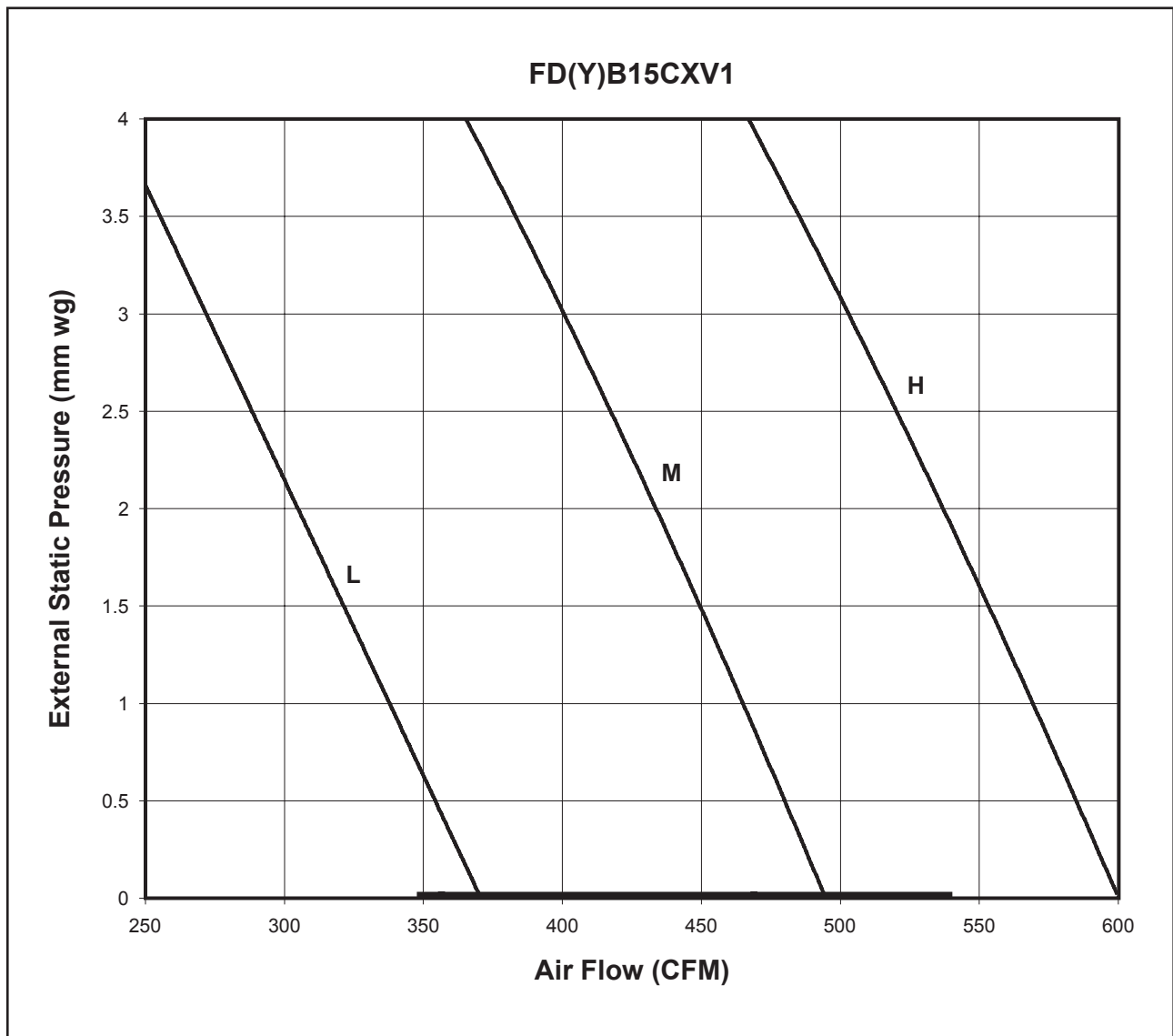


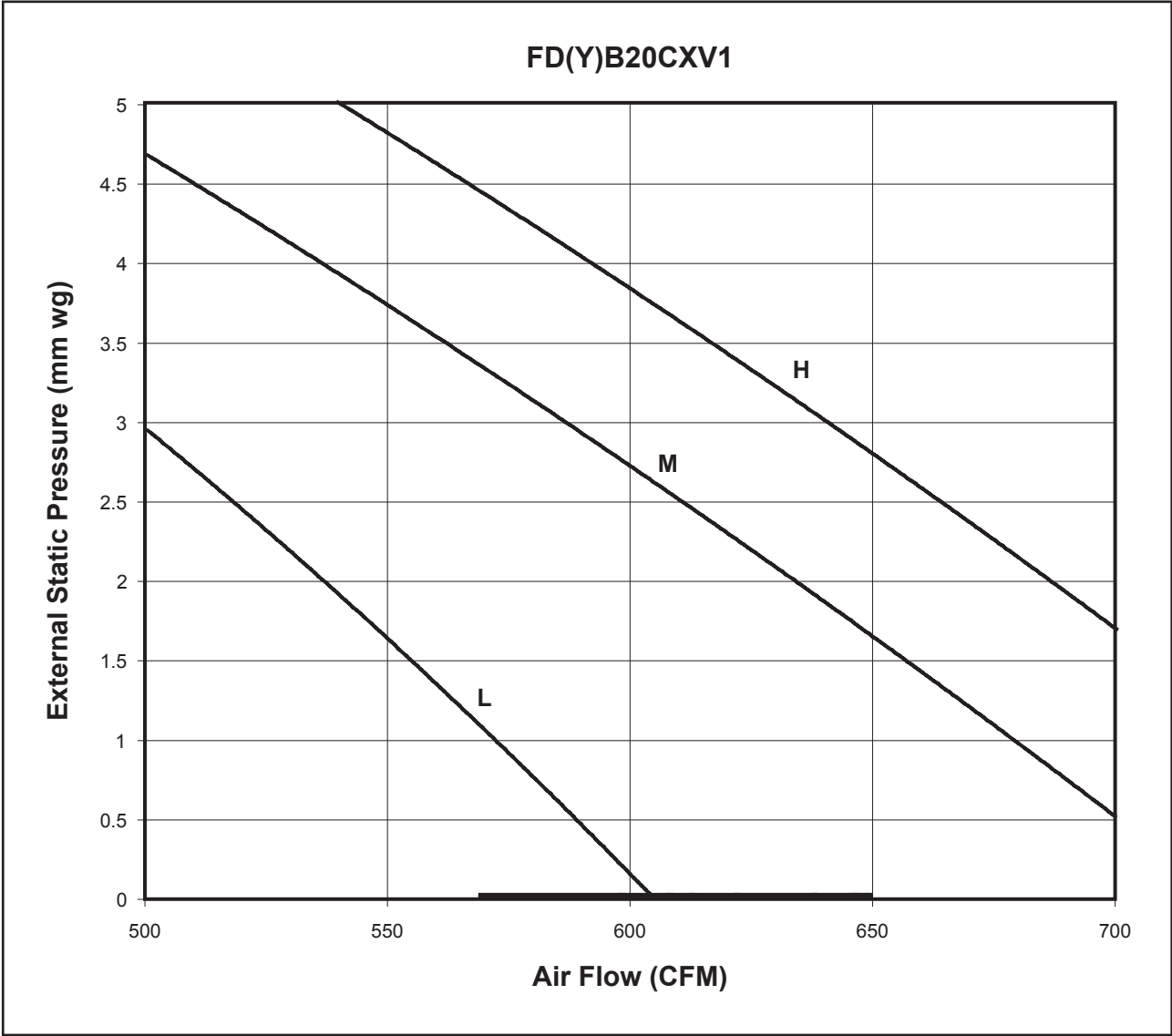


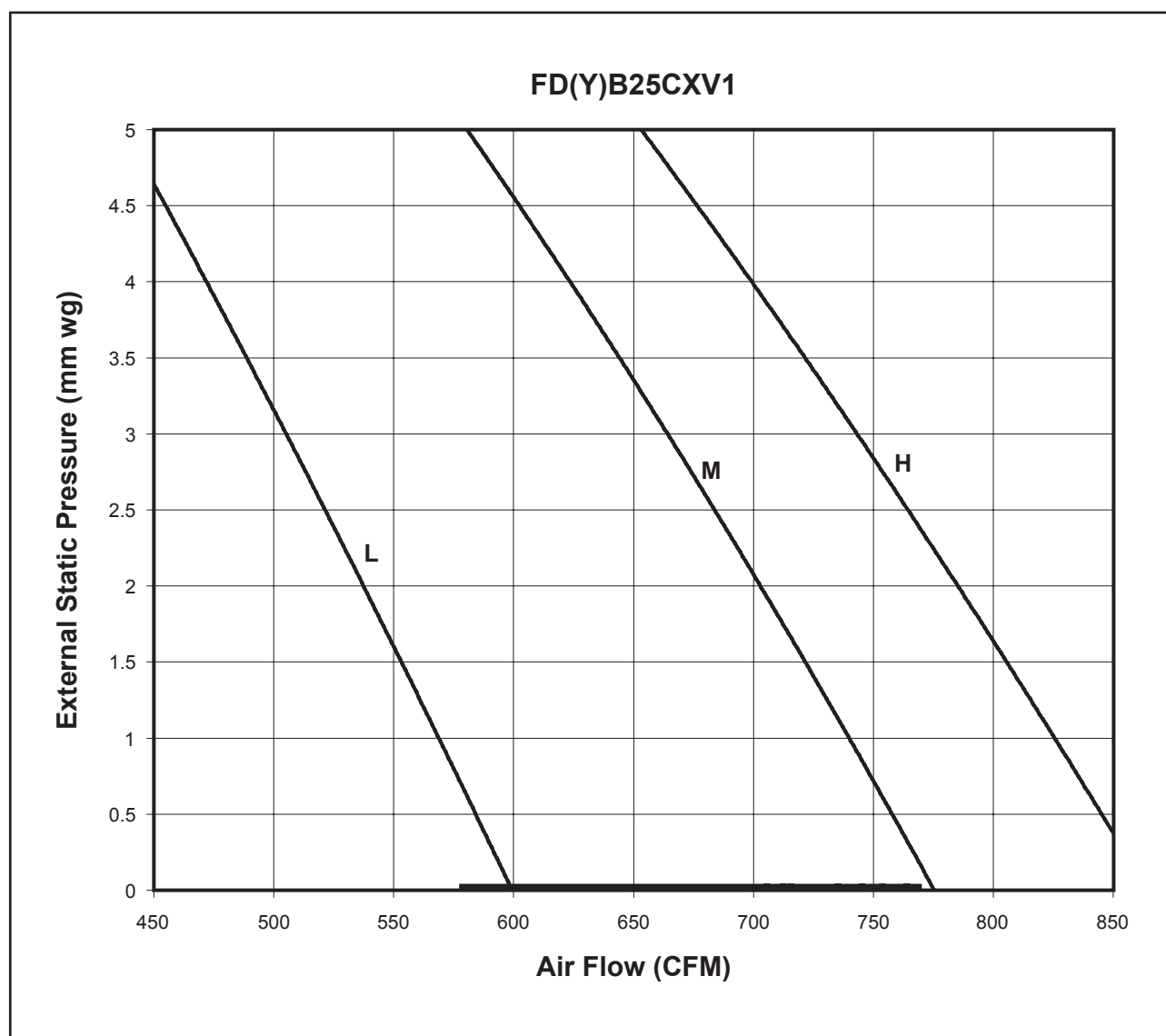


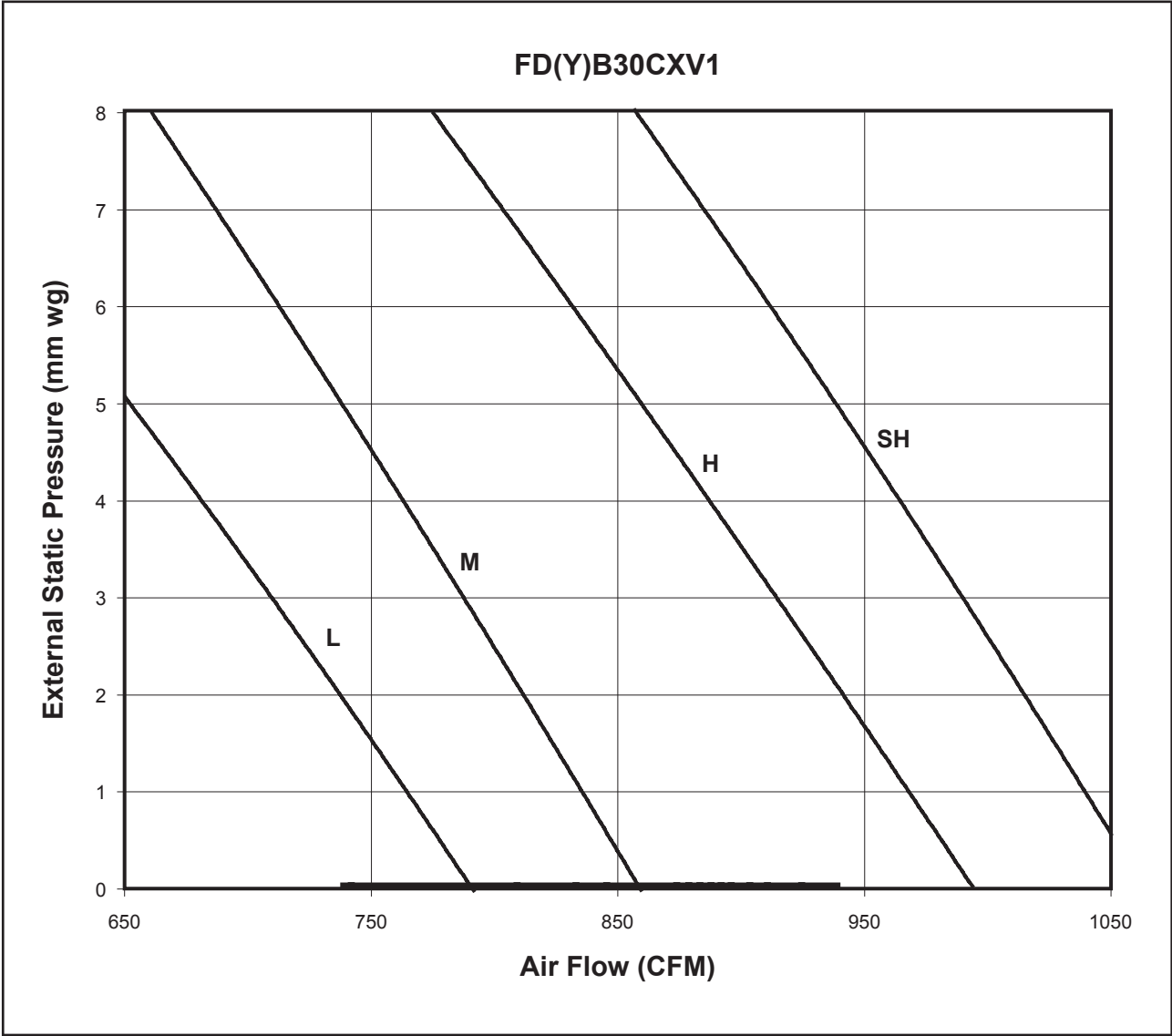
Blower Performance Curve

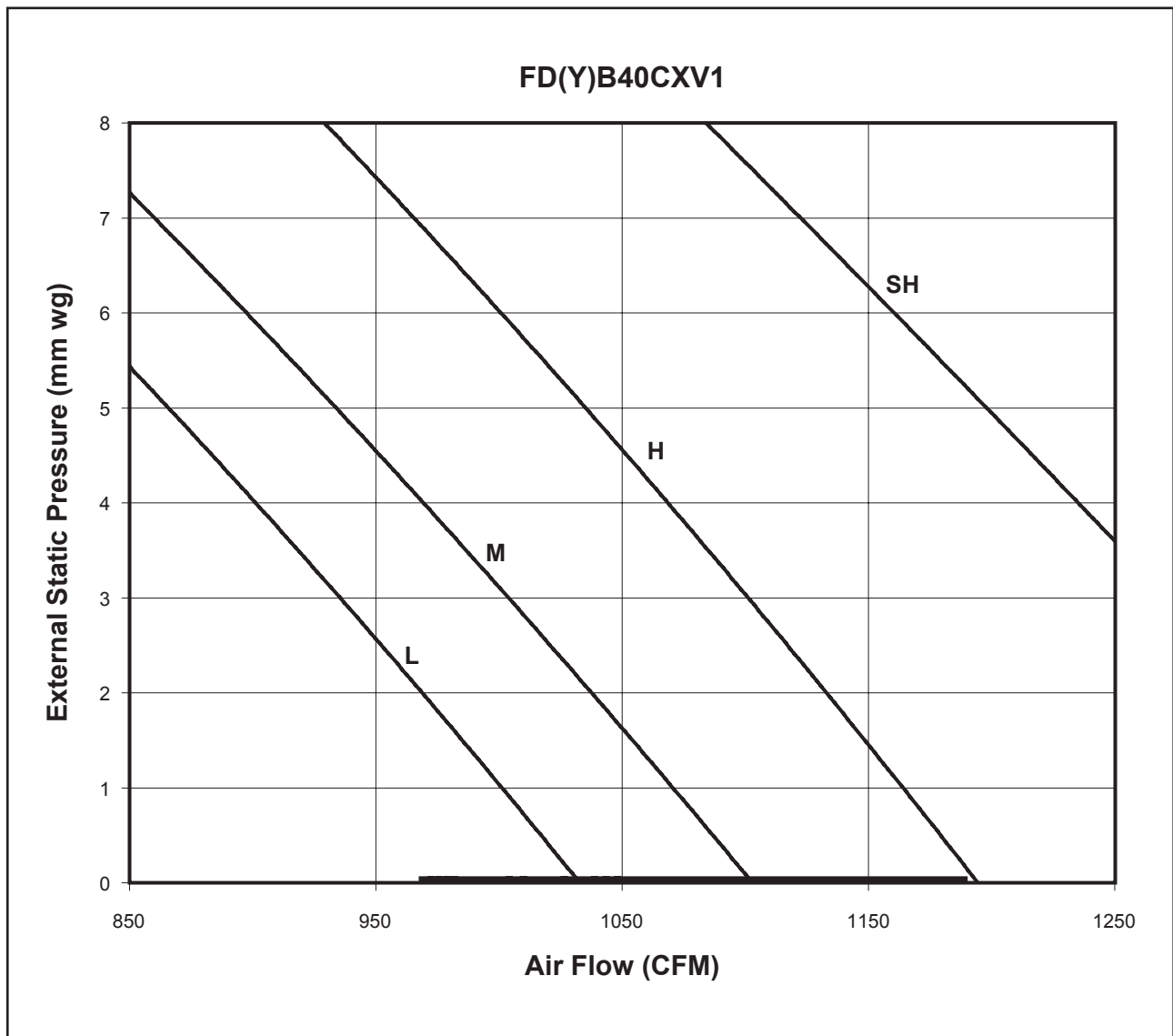


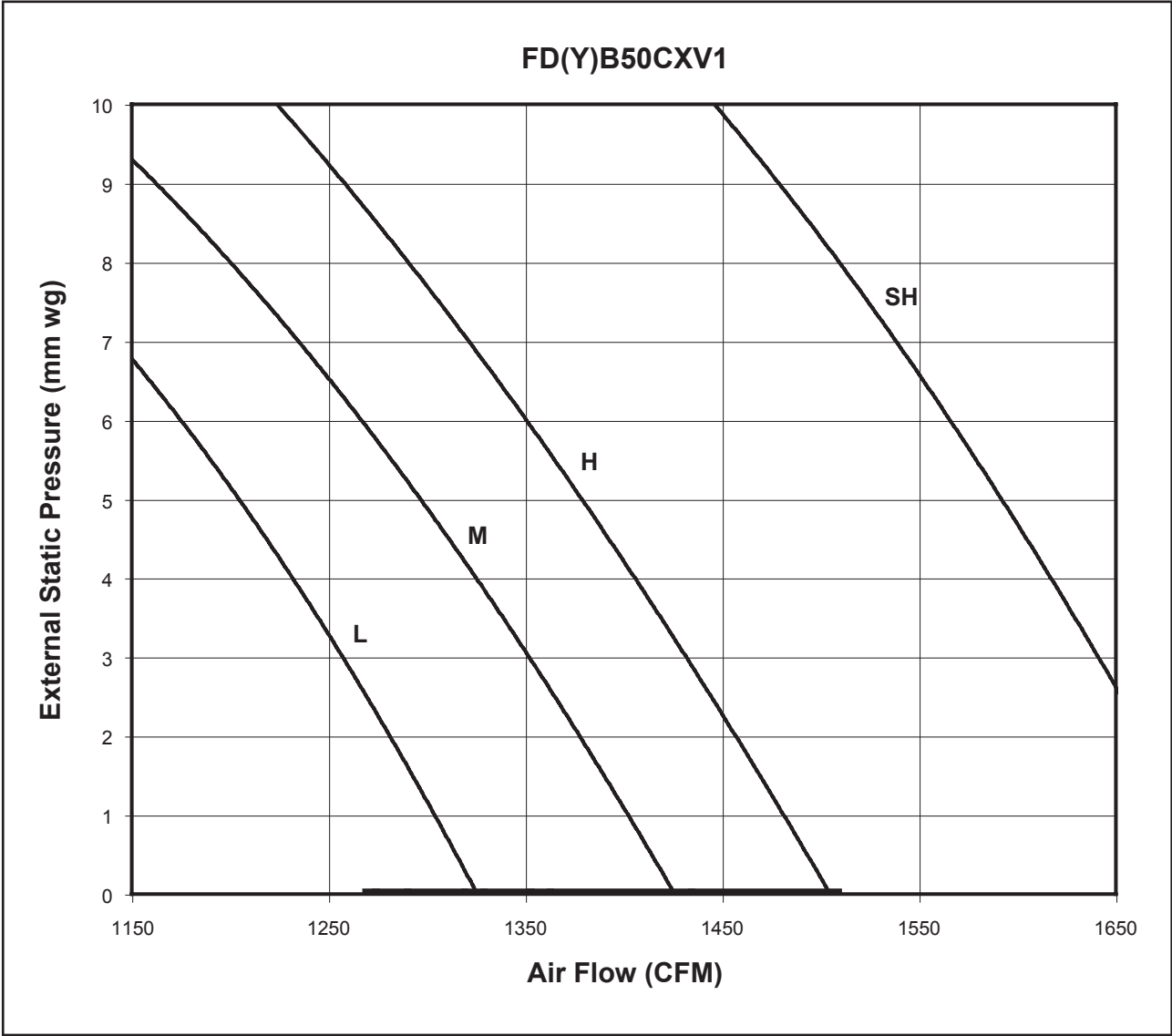


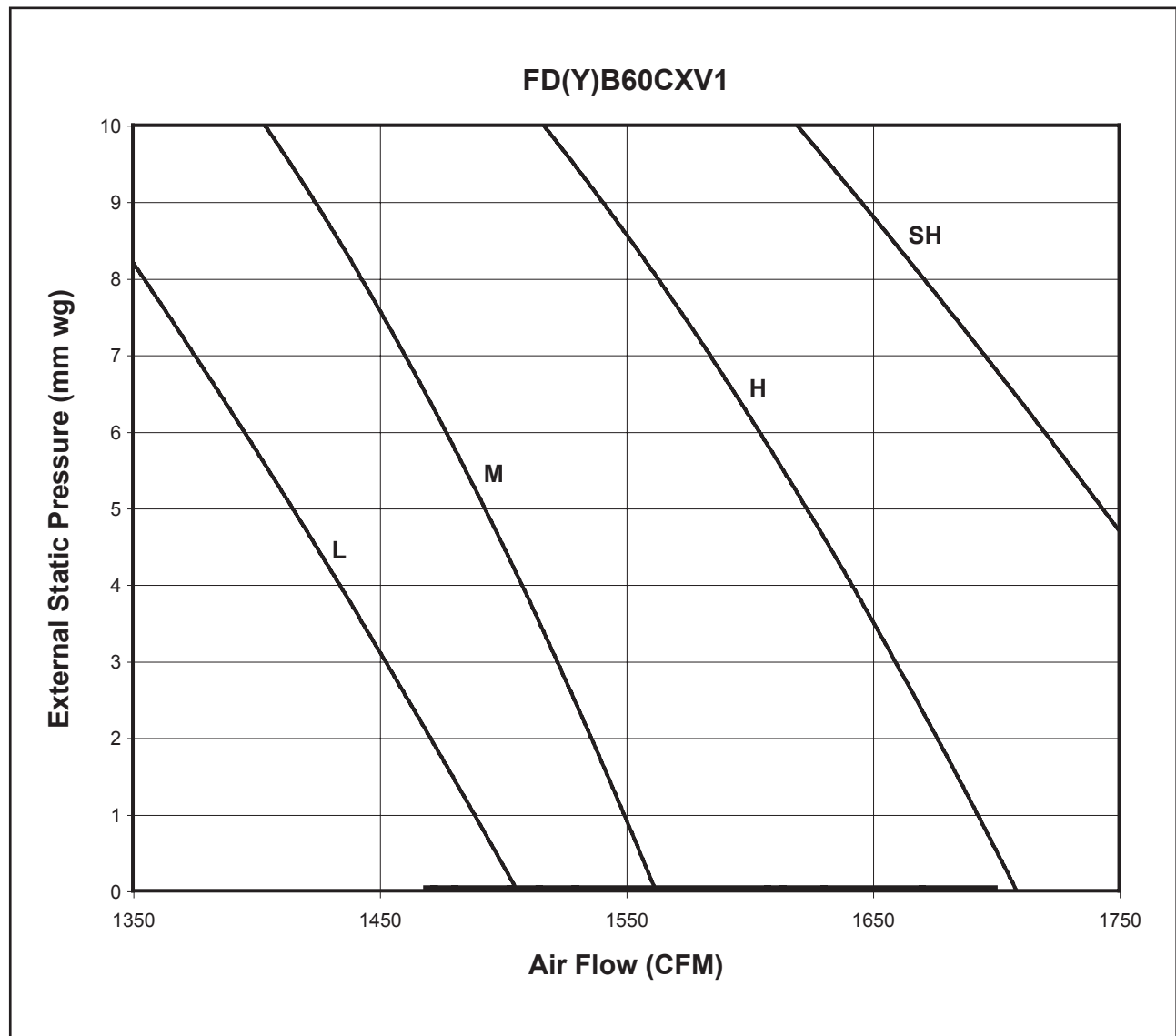












Engineering & Physical Data

Engineering Data – R22 MODEL

MODEL				INDOOR UNIT		FDM10CXV1		FDM15CXV1		FDM20CXV1	
				OUTDOOR UNIT		R10CXV1		R15CXV1		R20CXV1	
NOMINAL COOLING CAPACITY				Btu/h	9500	12300		19000			
				W	2780	3600		5570			
NOMINAL TOTAL INPUT POWER (COOLING)				W	900	1267		1895			
NOMINAL RUNNING CURRENT (COOLING)				A	4.02	5.68		8.33			
EER				W/W	3.17	2.94		3.05			
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE		OUTDOOR CAP. TUBE			
REFRIGERANT CHARGE				kg	0.63	0.75		1.35			
MODEL				INDOOR UNIT		FDYM10CXV1		FDYM15CXV1		FDYM20CXV1	
				OUTDOOR UNIT		RY10CXV1		RY15CXV1		RY18CXV1	
NOMINAL COOLING CAPACITY				Btu/h	9500	12300	18000	19000			
				W	2780	3600	5280	5570			
NOMINAL HEATING CAPACITY				Btu/h	9500	12000	18500	19800			
				W	2780	3515	5420	5800			
NOMINAL TOTAL INPUT POWER (COOLING)				W	900	1267	1910	1895			
NOMINAL TOTAL INPUT POWER (HEATING)				W	790	1062	1750	1745			
NOMINAL RUNNING CURRENT (COOLING)				A	4.02	5.68	8.50	8.33			
NOMINAL RUNNING CURRENT (HEATING)				A	3.52	4.78	7.80	8.13			
EER				W/W	3.17	2.94	2.87	3.05			
COP				W/W	3.63	3.44	3.23	3.27			
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE			
REFRIGERANT CHARGE				kg	0.63	0.93	0.85	1.35			
POWER SOURCE				V/Ph/Hz	220-240/1/50	220-240/1/50	220 - 240 / 1 / 50	220-240/1/50			
REFRIGERANT TYPE					R22	R22	R22	R22			
INDOOR UNIT	CONTROL		AIR DISCHARGE OPERATION		DUCTED		DUCTED		DUCTED		
					SLM WIRED HANDSET		SLM WIRED HANDSET		SLM WIRED HANDSET		
	AIR FLOW		HIGH		I/s / CFM	142/300	241/510	330 / 700	330 / 700		
			MEDIUM		I/s / CFM	135/285	231/490	319 / 675	319 / 675		
			LOW		I/s / CFM	123/260	189/400	302 / 640	302/ 640		
	EXTERNAL STATIC PRESSURE (H/M/L)				Pa (in.wg.)	49 / 44 / 36 (0.2 / 0.18 / 0.14)	49 / 42 / 28 (0.2 / 0.17 / 0.11)	49 / 45 / 41 (0.2 / 0.18 / 0.16)	49 / 45 / 41 (0.2 / 0.18 / 0.16)		
	SOUND PRESSURE LEVEL (H/M/L)				dBA	36 / 35 / 33	40 / 38/ 33	42 / 41 / 40	42 / 41 / 40		
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH		mm	261 x 765 x 411	261 x 905 x 411	261 x 1065 x 411	261 x 1065 x 411		
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH		mm	376 x 951 x 541	376 x 1091 x 541	376 x 1251 x 541	376 x 1251 x 541		
	UNIT WEIGHT				kg	17	21	22	22		
	CONDENSATE DRAIN SIZE				mm	19.1	19.1	19.1	19.1		
	FAN		TYPE		CENTRIFUGAL		CENTRIFUGAL		CENTRIFUGAL		
			DRIVE		DIRECT		DIRECT		DIRECT		
	FAN MOTOR		TYPE		INDUCTION		INDUCTION		INDUCTION		
			INDEX OF PROTECTION (IP)		IP20		IP20		IP20		
			INSULATION GRADE		CLASS B		CLASS B		CLASS B		
			RATED INPUT POWER		W	89	160	170	170		
			RATED RUNNING CURRENT		A	0.40	0.78	0.79	0.79		
			MOTOR OUTPUT		W	38	72	80	80		
	COIL		POLES		4		4		6		
			TUBE		MATERIAL		COPPER		COPPER		
					DIAMETER		mm	9.52	9.52	9.52	
			FIN		MATERIAL		ALUMINIUM		ALUMINIUM		
					FACE AREA		m²	0.115	0.143	0.176	
ROW		3			3						
AIR QUALITY		FILTER		WASHABLE SARANET FILTER		WASHABLE SARANET FILTER		WASHABLE SARANET FILTER			
		QUANTITY		pc	1	1	1	1			
CASING				COLOUR	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT			
OUTDOOR UNIT	AIR FLOW		I/s / CFM		396 / 840	453 / 960	614 / 1300	614 / 1300			
	SOUND PRESSURE LEVEL		dBA		46	49	51	51			
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH		mm	540 x 700 x 250	540 x 700 x 250	651 x 855 x 328			
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH		mm	620 x 810 x 330	620 x 810 x 330	810 x 990 x 415			
	UNIT WEIGHT		COOLING ONLY		kg	28	28	47			
			HEATPUMP		kg	30	30	47			
	PIPE CONNECTION		TYPE		FLARE VALVE		FLARE VALVE				
			SIZE		LIQUID		mm	6.35	6.35		
					GAS		mm	9.52	12.70		
	FAN		TYPE		PROPELLER		PROPELLER				
			DRIVE		DIRECT		DIRECT				
	FAN MOTOR		TYPE		INDUCTION		INDUCTION				
			INDEX OF PROTECTION (IP)		IP23		IP23				
			INSULATION GRADE		CLASS B		CLASS B				
			RATED INPUT POWER		W	57	76	77			
			RATED RUNNING CURRENT		A	0.25	0.33	0.34			
			MOTOR OUTPUT		W	21	30	32			
	COMPRESSOR		POLES		6		6				
			TYPE		ROTARY		ROTARY				
			OIL TYPE		ATMOS NM56M or SUNISO 4GDID		ATMOS NM56M or SUNISO 4GDID				
			OIL AMOUNT		cm³	320	350	670			
			R		RATED INPUT POWER (COOLING)		W	754	1031		
					RATED RUNNING CURRENT (COOLING)		A	3.37	4.57		
					RATED INPUT POWER (COOLING)		W	754	1031		
RY			RATED INPUT POWER (HEATING)		W	644	826				
			RATED RUNNING CURRENT (COOLING)		A	3.37	4.57				
		RATED RUNNING CURRENT (HEATING)		A	2.87	3.67					
LOCKED ROTOR AMP.		A	20	25	32						
COIL		TUBE		MATERIAL		COPPER					
				R		DIAMETER	mm	7.00	7.00		
				RY		DIAMETER	mm	7.00	9.52		
		FIN		MATERIAL		ALUMINIUM					
				FACE AREA		m²	0.36	0.36			
				ROW		1		1			
CASING				COLOUR	LIGHT GREY	LIGHT GREY	LIGHT GREY	LIGHT GREY			

ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151 (NON-DUCTED UNIT) OR ISO 13253 (DUCTED UNIT).

COOLING		HEATING	
INDOOR: 27°C DB / 19°C WB		INDOOR: 20°C DB	
OUTDOOR: 35°C DB / 24°C WB		OUTDOOR: 7°C DB / 6°C WB	

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Engineering Data - R22 MODEL

MODEL		INDOOR UNIT		FDM25CXV1		FDM28CXV1		FDM28CXV1							
		OUTDOOR UNIT		R25CXV1		R28CXV1		R30DXV1							
NOMINAL COOLING CAPACITY				Btu/h	23500	27000		28000							
				W	6890	7913		8206							
NOMINAL TOTAL INPUT POWER (COOLING)				W	2616	3091		2821							
NOMINAL RUNNING CURRENT (COOLING)				A	11.70	15.10		12.92							
EER				W/W	2.69	2.64		3.01							
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP.TUBE		INDOOR CAP. TUBE		INDOOR CAP. TUBE						
REFRIGERANT CHARGE					kg	1.50	1.75		1.60						
MODEL		INDOOR UNIT		FDYM25CXV1		FDYM28CXV1		FDYM28CXV1		FDYM28CXV1					
		OUTDOOR UNIT		RY25CXV1		RY28CXV1		RY30DXV1		RY30DXV1					
NOMINAL COOLING CAPACITY				Btu/h	23500	27000		30000		30000					
				W	6890	7913		8792		8792					
NOMINAL HEATING CAPACITY				Btu/h	24000	28000		30000		30000					
				W	7030	8206		8792		8792					
NOMINAL TOTAL INPUT POWER (COOLING)				W	2616	3091		3090		3070					
NOMINAL TOTAL INPUT POWER (HEATING)				W	2536	2638		3060		3040					
NOMINAL RUNNING CURRENT (COOLING)				A	11.70	15.10		14.70		5.10					
NOMINAL RUNNING CURRENT (HEATING)				A	11.50	13.40		14.60		5.00					
EER				W/W	2.69	2.64		2.94		2.96					
COP				W/W	2.83	3.23		2.97		2.99					
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE		OUTDOOR CAP. TUBE		OUTDOOR CAP. TUBE + TXV		OUTDOOR CAP. TUBE + TXV				
REFRIGERANT CHARGE					kg	1.50	1.83		2.15		2.15				
POWER SOURCE					V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50		220 - 240 / 1 / 50		380 - 415 / 3 / 50				
REFRIGERANT TYPE					R22		R22		R22		R22				
INDOOR UNIT	CONTROL		AIR DISCHARGE OPERATION		DUCTED		DUCTED		DUCTED		DUCTED				
					SLM WIRED HANDSET		SLM WIRED HANDSET		SLM WIRED HANDSET		SLM WIRED HANDSET				
	AIR FLOW		SUPER HIGH		l/s / CFM	-		401 / 850		401 / 850		401 / 850			
			HIGH		l/s / CFM	345 / 730		382 / 810		382 / 810		382 / 810			
			MEDIUM		l/s / CFM	311 / 660		363 / 770		363 / 770		363 / 770			
			LOW		l/s / CFM	274 / 580		335 / 710		335 / 710		335 / 710			
	EXTERNAL STATIC PRESSURE (H/M/L)				Pa (in.wg.)	49 / 43 / 30 (0.2 / 0.17 / 0.12)		98 / 78 / 68 / 59 (0.4 / 0.3 / 0.3 / 0.2)		98 / 78 / 68 / 59 (0.4 / 0.3 / 0.3 / 0.2)		98 / 78 / 68 / 59 (0.4 / 0.3 / 0.3 / 0.2)			
	SOUND PRESSURE LEVEL (H/M/L)				dBA	41 / 40 / 36		44 / 41 / 38 / 34		44 / 41 / 38 / 34		44 / 41 / 38 / 34			
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH		mm	261 x 1200 x 411		285 x 932 x 600		285 x 932 x 600		285 x 932 x 600			
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH		mm	376 x 1386 x 541		343 x 1138 x 690		343 x 1138 x 690		343 x 1138 x 690			
	UNIT WEIGHT				kg	25		38		38		38			
	CONDENSATE DRAIN SIZE				mm	19.1		19.1		19.1		19.1			
	FAN		TYPE		CENTRIFUGAL		CENTRIFUGAL		CENTRIFUGAL		CENTRIFUGAL				
			DRIVE		DIRECT		DIRECT		DIRECT		DIRECT				
	FAN MOTOR		TYPE		INDUCTION		INDUCTION		INDUCTION		INDUCTION				
			INDEX OF PROTECTION (IP)		IP20		IP21		IP21		IP21				
			INSULATION GRADE		CLASS B		CLASS B		CLASS B		CLASS B				
			RATED INPUT POWER		W	181		284		284		393			
			RATED RUNNING CURRENT		A	0.82		1.33		1.33		1.33			
			MOTOR OUTPUT		W	90		320		320		320			
	COIL		POLES		4		4		4		4				
			TUBE		MATERIAL		COPPER		COPPER		COPPER		COPPER		
					DIAMETER		mm	9.52		9.52		9.52		9.52	
			FIN		MATERIAL		ALUMINIUM		ALUMINIUM		ALUMINIUM		ALUMINIUM		
	FACE AREA				m²	0.203		0.24		0.24		0.24			
	AIR QUALITY		FILTER		TYPE		WASHABLE SARANET FILTER		WASHABLE SARANET FILTER		WASHABLE SARANET FILTER		WASHABLE SARANET FILTER		
					QUANTITY		pc	1		2		2		2	
	CASING				COLOUR	WITHOUT POWDER PAINT		WITHOUT POWDER PAINT		WITHOUT POWDER PAINT		WITHOUT POWDER PAINT			
	OUTDOOR UNIT	AIR FLOW				l/s / CFM	755 / 1600		741 / 1570		1605 / 3400		1605 / 3400		
SOUND PRESSURE LEVEL				dBA	52		58		58		58				
UNIT DIMENSION		HEIGHT X WIDTH X DEPTH		mm	753 x 855 x 328		753 x 855 x 328		852 x 1030 x 400		852 x 1030 x 400				
PACKING DIMENSION		HEIGHT X WIDTH X DEPTH		mm	810 x 990 x 415		810 x 990 x 415		1010 x 1180 x 514		1010 x 1180 x 514				
UNIT WEIGHT				kg	57		57		95		95				
PIPE CONNECTION		TYPE		FLARE VALVE		FLARE VALVE		FLARE VALVE		FLARE VALVE					
		SIZE		LIQUID		mm	9.52		9.52		9.52				
				GAS		mm	15.88		15.88		15.88				
FAN		TYPE		PROPELLER		PROPELLER		PROPELLER		PROPELLER					
		DRIVE		DIRECT		DIRECT		DIRECT		DIRECT					
FAN MOTOR		TYPE		INDUCTION		INDUCTION		INDUCTION		INDUCTION					
		INDEX OF PROTECTION (IP)		IP23		IP23		IP54		IP54					
		INSULATION GRADE		CLASS F		CLASS F		CLASS F		CLASS F					
		RATED INPUT POWER		W	123		124		257		257				
		RATED RUNNING CURRENT		A	0.53		0.54		1.10		1.10				
		MOTOR OUTPUT		W	60		66		145		145				
COMPRESSOR		POLES		6		6		8		8					
		TYPE		ROTARY		ROTARY		SCROLL		SCROLL					
		OIL TYPE		ATMOS NM56M or SUNISO 4GDID		ATMOS M60 or SUNISO 4GDID		MINERAL (Sontex 200 LT)		MINERAL (Sontex 200 LT)					
		OIL AMOUNT		cm³	670		1130		1240		1240				
		R		RATED INPUT POWER (COOLING)		W	2312		2683		2280				
				RATED RUNNING CURRENT (COOLING)		A	10.30		13.20		10.50				
		RY		RATED INPUT POWER (COOLING)		W	2312		2683		2549		2420		
				RATED INPUT POWER (HEATING)		W	2232		2230		2519		2390		
				RATED RUNNING CURRENT (COOLING)		A	10.30		13.20		12.30		4.29		
				RATED RUNNING CURRENT (HEATING)		A	10.10		11.50		12.20		4.19		
COIL		LOCKED ROTOR AMP.		A	56		62		82		40				
		TUBE		MATERIAL		COPPER		COPPER		COPPER		COPPER			
				DIAMETER		mm	7.00		7.00		9.52		9.52		
		FIN		MATERIAL		ALUMINIUM		ALUMINIUM		ALUMINIUM		ALUMINIUM			
FACE AREA				m²	0.203		0.240		0.870		0.870				
CASING		ROW				3		3		2		2			
				COLOUR		LIGHT GREY		LIGHT GREY		LIGHT GREY		LIGHT GREY			

ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151 (NON-DUCTED UNIT) OR ISO 13253 (DUCTED UNIT).

COOLING	HEATING
INDOOR: 27°C DB / 19°C WB	INDOOR: 20°C DB
OUTDOOR: 35°C DB / 24°C WB	OUTDOOR: 7°C DB / 6°C WB

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Engineering Data - R22 MODEL

MODEL		INDOOR UNIT		FDM30CXV1		FDM30CXV1		FDM30CXV1		FDM38CXV1			
		OUTDOOR UNIT		R28CXV1		R30DXV1		R30DXV1		R35DXV1			
NOMINAL COOLING CAPACITY				Btu/h		28000		29000		35000			
				W		8206		8499		10257			
NOMINAL TOTAL INPUT POWER (COOLING)				W		3153		2799		2855			
NOMINAL RUNNING CURRENT (COOLING)				A		15.50		13.10		5.16			
EER				W/W		2.80		3.29		3.22			
REFRIGERANT CONTROL (EXPANSION DEVICE)						INDOOR CAP. TUBE		INDOOR CAP. TUBE		INDOOR CAP. TUBE			
REFRIGERANT CHARGE				kg		1.75		1.60		1.60			
MODEL		INDOOR UNIT		FDYM30CXV1		FDYM30CXV1		FDYM30CXV1		FDYM38CXV1			
		OUTDOOR UNIT		RY28CXV1		RY30DXV1		RY30DXV1		RY35DXV1			
NOMINAL COOLING CAPACITY				Btu/h		28000		30000		35000			
				W		8206		8792		10257			
NOMINAL HEATING CAPACITY				Btu/h		29000		30000		36000			
				W		8499		8792		10550			
NOMINAL TOTAL INPUT POWER (COOLING)				W		2997		3145		3125			
NOMINAL TOTAL INPUT POWER (HEATING)				W		2562		3115		3095			
NOMINAL RUNNING CURRENT (COOLING)				A		15.50		15.00		5.16			
NOMINAL RUNNING CURRENT (HEATING)				A		13.80		14.90		5.06			
EER				W/W		2.80		3.00		3.02			
COP				W/W		3.38		3.03		3.06			
REFRIGERANT CONTROL (EXPANSION DEVICE)						OUTDOOR CAP. TUBE		OUTDOOR CAP. TUBE + TXV		OUTDOOR CAP. TUBE + TXV			
REFRIGERANT CHARGE				kg		1.83		2.15		2.15			
POWER SOURCE				V/Ph/Hz		220-240/1/50		220 - 240 / 1 / 50		220 - 240 / 1 / 50			
REFRIGERANT TYPE						R22		R22		R22			
INDOOR UNIT	CONTROL	AIR DISCHARGE OPERATION				DUCTED		DUCTED		DUCTED			
						SLM WIRED HANDSET		SLM WIRED HANDSET		SLM WIRED HANDSET			
	AIR FLOW	SUPER HIGH		l/s / CFM		425 / 900		425 / 900		425 / 900			
		HIGH		l/s / CFM		392 / 830		392 / 830		392 / 830			
		MEDIUM		l/s / CFM		359 / 760		359 / 760		359 / 760			
		LOW		l/s / CFM		335 / 710		335 / 710		335 / 710			
	EXTERNAL STATIC PRESSURE (H/M/L)				Pa (in.wg.)		206 / 167 / 127 / 88 (0.8 / 0.7 / 0.5 / 0.4)		206 / 167 / 127 / 88 (0.8 / 0.7 / 0.5 / 0.4)		206 / 167 / 127 / 88 (0.8 / 0.7 / 0.5 / 0.4)		
	SOUND PRESSURE LEVEL (H/M/L)				dBA		49 / 46 / 42 / 38		49 / 46 / 42 / 38		49 / 46 / 42 / 38		
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH		mm		378 x 929 x 541		378 x 929 x 541		378 x 929 x 541		
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH		mm		415 x 1126 x 631		415 x 1126 x 631		415 x 1126 x 631		
	UNIT WEIGHT				kg		39		39		39		
	CONDENSATE DRAIN SIZE				mm		19.1		19.1		19.1		
	FAN	TYPE				CENTRIFUGAL		CENTRIFUGAL		CENTRIFUGAL			
		DRIVE				DIRECT		DIRECT		DIRECT			
	FAN MOTOR	TYPE				INDUCTION		INDUCTION		INDUCTION			
		INDEX OF PROTECTION (IP)				IP21		IP21		IP21			
		INSULATION GRADE				CLASS B		CLASS B		CLASS B			
		RATED INPUT POWER		W		393		393		393			
		RATED RUNNING CURRENT		A		1.72		1.72		1.72			
		MOTOR OUTPUT		W		310		310		310			
	COIL	POLES				4		4		4			
		TUBE	MATERIAL				COPPER		COPPER		COPPER		
			DIAMETER		mm		9.52		9.52		9.52		
		FIN	MATERIAL				ALUMINIUM		ALUMINIUM		ALUMINIUM		
			FACE AREA		m²		0.277		0.277		0.277		
	AIR QUALITY	FILTER	TYPE				WASHABLE SARANET FILTER		WASHABLE SARANET FILTER		WASHABLE SARANET FILTER		
			QUANTITY		pc		2		2		2		
	CASING				COLOUR		WITHOUT POWDER PAINT		WITHOUT POWDER PAINT		WITHOUT POWDER PAINT		
OUTDOOR UNIT	AIR FLOW				l/s / CFM		741 / 1570		1605 / 3400		1605 / 3400		
	SOUND PRESSURE LEVEL				dBA		58		58		58		
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH		mm		753 x 855 x 328		852 x 1030 x 400		852 x 1030 x 400		
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH		mm		810 x 990 x 415		1010 x 1180 x 514		1010 x 1180 x 514		
	UNIT WEIGHT				kg		57		95		95		
	PIPE CONNECTION	SIZE		TYPE				FLARE VALVE		FLARE VALVE		FLARE VALVE	
				LIQUID		mm		9.52		9.52		9.52	
				GAS		mm		15.88		15.88		15.88	
	FAN	TYPE				PROPELLER		PROPELLER		PROPELLER			
		DRIVE				DIRECT		DIRECT		DIRECT			
	FAN MOTOR	TYPE				INDUCTION		INDUCTION		INDUCTION			
		INDEX OF PROTECTION (IP)				IP23		IP54		IP54			
		INSULATION GRADE				CLASS F		CLASS B		CLASS B			
		RATED INPUT POWER		W		124		257		257			
		RATED RUNNING CURRENT		A		0.54		1.10		1.10			
		MOTOR OUTPUT		W		66		145		145			
	COMPRESSOR	POLES				6		8		8			
		TYPE				ROTARY		SCROLL		SCROLL			
		OIL TYPE				ATMOS M60 or SUNISO 4GDID		MINERAL (Sontex 200 LT)		MINERAL (Sontex 200 LT)			
		OIL AMOUNT		cm³		1130		1240		1240			
		R	RATED INPUT POWER (COOLING)		W		2636		2149		2205		
			RATED RUNNING CURRENT (COOLING)		A		13.20		10.3		4.22		
		RY	RATED INPUT POWER (COOLING)		W		2480		2495		2475		
			RATED INPUT POWER (HEATING)		W		2045		2465		2445		
			RATED RUNNING CURRENT (COOLING)		A		13.20		12.20		4.22		
			RATED RUNNING CURRENT (HEATING)		A		11.50		12.10		4.12		
		LOCKED ROTOR AMP.				A		66		82		82	
	COIL	TUBE	MATERIAL				COPPER		COPPER		COPPER		
			DIAMETER		mm		7.00		9.52		9.52		
		FIN	MATERIAL				ALUMINIUM		ALUMINIUM		ALUMINIUM		
			FACE AREA		m²		0.61		0.87		0.87		
	CASING				COLOUR		2		2		2		
							LIGHT GREY		LIGHT GREY		LIGHT GREY		

ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151 (NON-DUCTED UNIT) OR ISO 13253 (DUCTED UNIT).

COOLING	HEATING
INDOOR: 27°C DB / 19°C WB	INDOOR: 20°C DB
OUTDOOR: 35°C DB / 24°C WB	OUTDOOR: 7°C DB / 6°C WB

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Engineering Data - R22 MODEL

MODEL		INDOOR UNIT		FDM38CXV1	FDM38CXV1	FDM40CXV1	FDM40CXV1		
		OUTDOOR UNIT		R40DXV1	R40DXV1	R35DXV1	R40DXV1		
NOMINAL COOLING CAPACITY			Btu/h	38000	38000	33500	38000		
			W	11137	11137	9818	11140		
NOMINAL TOTAL INPUT POWER (COOLING)			W	3706	3656	3405	3555		
NOMINAL RUNNING CURRENT (COOLING)			A	18.10	6.47	16.40	18.50		
EER			W/W	3.24	3.29	3.16	3.42		
REFRIGERANT CONTROL (EXPANSION DEVICE)				INDOOR CAP. TUBE	INDOOR CAP. TUBE	INDOOR CAP. TUBE	INDOOR CAP. TUBE		
REFRIGERANT CHARGE			kg	2.40	2.48	2.00	2.40		
MODEL		INDOOR UNIT		FDYM38CXV1	FDYM38CXV1	FDYM40CXV1	FDYM40CXV1		
		OUTDOOR UNIT		RY40DXV1	RY40DXV1	RY35DXV1	RY40DXV1		
NOMINAL COOLING CAPACITY			Btu/h	37000	38000	33500	37500		
			W	10800	11100	9818	11000		
NOMINAL HEATING CAPACITY			Btu/h	40000	41000	35000	40000		
			W	11700	12000	10257	11700		
NOMINAL TOTAL INPUT POWER (COOLING)			W	3850	3750	3265	3800		
NOMINAL TOTAL INPUT POWER (HEATING)			W	3700	3600	3265	3700		
NOMINAL RUNNING CURRENT (COOLING)			A	18.00	6.32	16.40	18.00		
NOMINAL RUNNING CURRENT (HEATING)			A	17.80	6.14	16.40	17.70		
EER			W/W	3.03	3.20	3.30	3.13		
COP			W/W	3.42	3.61	3.45	3.44		
REFRIGERANT CONTROL (EXPANSION DEVICE)				OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE + TXV	OUTDOOR CAP. TUBE		
REFRIGERANT CHARGE			kg	2.60	2.60	2.00	2.60		
POWER SOURCE			V/Ph/Hz	220 - 240 / 1 / 50	380 - 415 / 3 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50		
REFRIGERANT TYPE				R22	R22	R22	R22		
INDOOR UNIT	CONTROL	AIR DISCHARGE OPERATION		DUCTED	DUCTED	DUCTED	DUCTED		
				SLM WIRED HANDSET	SLM WIRED HANDSET	SLM WIRED HANDSET	SLM WIRED HANDSET		
	AIR FLOW	SUPER HIGH		l/s / CFM	727 / 1540	727 / 1540	519 / 1100	519 / 1100	
		HIGH		l/s / CFM	694 / 1470	694 / 1470	500 / 1060	500 / 1060	
		MEDIUM		l/s / CFM	670 / 1420	670 / 1420	467 / 990	467 / 990	
		LOW		l/s / CFM	637 / 1350	637 / 1350	425 / 900	425 / 900	
	EXTERNAL STATIC PRESSURE (H/M/L)			Pa (in.wg.)	137 / 118 / 108 / 88 (0.6 / 0.5 / 0.4 / 0.4)	137 / 118 / 108 / 88 (0.6 / 0.5 / 0.4 / 0.4)	206 / 176 / 127 / 93 (0.8 / 0.7 / 0.5 / 0.4)	206 / 176 / 127 / 93 (0.8 / 0.7 / 0.5 / 0.4)	
	SOUND PRESSURE LEVEL (H/M/L)			dBA	55 / 51 / 48 / 45	55 / 51 / 48 / 45	51 / 49 / 45 / 41	51 / 49 / 45 / 41	
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH	mm	315 x 1257 x 638	315 x 1257 x 638	378 x 1045 x 541	378 x 1045 x 541	
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH	mm	355 x 1461 x 727	355 x 1461 x 727	415 x 1245 x 631	415 x 1245 x 631	
	UNIT WEIGHT			kg	41	41	42	42	
	CONDENSATE DRAIN SIZE			mm	19.1	19.1	19.1	19.1	
	FAN	TYPE			CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	
		DRIVE			DIRECT	DIRECT	DIRECT	DIRECT	
	FAN MOTOR	TYPE			INDUCTION	INDUCTION	INDUCTION	INDUCTION	
		INDEX OF PROTECTION (IP)			IP21	IP21	IP21	IP21	
		INSULATION GRADE			CLASS B	CLASS B	CLASS B	CLASS B	
		RATED INPUT POWER		W	720	720	405	405	
		RATED RUNNING CURRENT		A	3.03	3.03	1.76	1.76	
		MOTOR OUTPUT		W	470	470	355	355	
	COIL	POLES			4	4	4	4	
		TUBE	MATERIAL		COPPER	COPPER	COPPER	COPPER	
			DIAMETER	mm	9.52	9.52	9.52	9.52	
		FIN	MATERIAL		ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	
			FACE AREA	m²	0.34	0.34	0.31	0.31	
	AIR QUALITY	FILTER	TYPE		WASHABLE SARANET FILTER	WASHABLE SARANET FILTER	WASHABLE SARANET FILTER	WASHABLE SARANET FILTER	
			QUANTITY	pc	2	2	2	2	
	CASING			COLOUR	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT	
OUTDOOR UNIT	AIR FLOW			l/s / CFM	1605 / 3400	1605 / 3400	1605 / 3400	1605 / 3400	
	SOUND PRESSURE LEVEL			dBA	58	58	58	58	
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH	mm	852 x 1030 x 400	852 x 1030 x 400	852 x 1030 x 400	852 x 1030 x 400	
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH	mm	1010 x 1180 x 514	1010 x 1180 x 514	1010 x 1180 x514	1010 x 1180 x 514	
	UNIT WEIGHT			kg	100	100	95	100	
	PIPE CONNECTION	SIZE	TYPE		FLARE VALVE	FLARE VALVE	FLARE VALVE	FLARE VALVE	
			LIQUID	mm	9.52	9.52	9.52	9.52	
			GAS	mm	19.05	19.05	19.05	19.05	
	FAN	TYPE			PROPELLER	PROPELLER	PROPELLER	PROPELLER	
		DRIVE			DIRECT	DIRECT	DIRECT	DIRECT	
	FAN MOTOR	TYPE			INDUCTION	INDUCTION	INDUCTION	INDUCTION	
		INDEX OF PROTECTION (IP)			IP54	IP54	IP54	IP54	
		INSULATION GRADE			CLASS B	CLASS B	CLASS B	CLASS B	
		RATED INPUT POWER (R)		W	257	257	257	257	
		RATED RUNNING CURRENT (R)		A	1.10	1.10	1.10	1.10	
		RATED INPUT POWER (RY)		W	335	335	257	276	
		RATED RUNNING CURRENT (RY)		A	1.58	1.58	1.10	1.34	
		MOTOR OUTPUT		W	145	145	145	145	
	COMPRESSOR	POLES			8	8	8	8	
		TYPE			SCROLL	SCROLL	SCROLL	SCROLL	
		OIL TYPE			MINERAL (Sontex 200 LT)	MINERAL (Sontex 200 LT)	MINERAL (Sontex 200 LT)	MINERAL (Sontex 200 LT)	
		R	OIL AMOUNT		cm³	1240	1240	1240	1240
			RATED INPUT POWER (COOLING)		W	2729	2679	2743	2893
			RATED RUNNING CURRENT (COOLING)		A	14	5.09	13.5	15.6
		RY	RATED INPUT POWER (COOLING)		W	2795	2695	2603	3119
			RATED INPUT POWER (HEATING)		W	2645	2545	2603	3019
			RATED RUNNING CURRENT (COOLING)		A	13.40	4.78	13.50	14.90
		RATED RUNNING CURRENT (HEATING)		A	13.20	4.60	13.50	14.60	
	COIL	LOCKED ROTOR AMP.		A	114	48	97	114	
		TUBE	MATERIAL		COPPER	COPPER	COPPER	COPPER	
			R	DIAMETER	mm	9.52	7.00	9.52	9.52
		FIN	RY	DIAMETER	mm	7.00	7.00	9.52	7.00
			MATERIAL		ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	
			FACE AREA	m²	0.87	0.87	0.87	0.87	
	CASING			COLOUR	2	2	2	2	
					LIGHT GREY	LIGHT GREY	LIGHT GREY	LIGHT GREY	

ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151 (NON-DUCTED UNIT) OR ISO 13253 (DUCTED UNIT).

COOLING		HEATING	
INDOOR: 27°C DB / 19°C WB		INDOOR: 20°C DB	
OUTDOOR: 35°C DB / 24°C WB		OUTDOOR: 7°C DB / 6°C WB	

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Engineering Data - R22 MODEL

MODEL				INDOOR UNIT		FDM40CXV1	FDM50CXV1	FDM60CXV1
				OUTDOOR UNIT		R40DXY1	R50DXY1	R61DXY1
NOMINAL COOLING CAPACITY				Btu/h		38000	48000	56000
				W		11140	14100	16410
NOMINAL TOTAL INPUT POWER (COOLING)				W		4050	4950	6010
NOMINAL RUNNING CURRENT (COOLING)				A		6.26	8.21	10.00
EER				W/W		2.97	3.05	2.91
REFRIGERANT CONTROL (EXPANSION DEVICE)						INDOOR CAP. TUBE	INDOOR CAP. TUBE	INDOOR CAP. TUBE
REFRIGERANT CHARGE				kg		2.48	2.45	5.00
MODEL				INDOOR UNIT		FDYM40CXV1	FDYM50CXV1	FDYM60CXV1
				OUTDOOR UNIT		RY40DXY1	RY50DXY1	RY61DXY1
NOMINAL COOLING CAPACITY				Btu/h		37500	48000	56000
				W		11000	14100	16410
NOMINAL HEATING CAPACITY				Btu/h		40000	50000	56000
				W		11700	14700	16410
NOMINAL TOTAL INPUT POWER (COOLING)				W		3700	5200	6010
NOMINAL TOTAL INPUT POWER (HEATING)				W		3600	4550	4980
NOMINAL RUNNING CURRENT (COOLING)				A		6.43	8.53	10.00
NOMINAL RUNNING CURRENT (HEATING)				A		6.26	7.75	8.80
EER				W/W		3.23	2.89	2.91
COP				W/W		3.55	3.48	3.57
REFRIGERANT CONTROL (EXPANSION DEVICE)						OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE	INDOOR & OUTDOOR CAP. TUBE
REFRIGERANT CHARGE				kg		2.60	2.50	5.00
POWER SOURCE				V/Ph/Hz		380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
REFRIGERANT TYPE						R22	R22	R22
INDOOR UNIT	CONTROL	AIR DISCHARGE OPERATION				DUCTED	DUCTED	DUCTED
						SLM WIRED HANDSET	SLM WIRED HANDSET	SLM WIRED HANDSET
	AIR FLOW	SUPER HIGH			l/s / CFM	519 / 1100	750 / 1590	779 / 1650
		HIGH			l/s / CFM	500 / 1060	651 / 1380	722 / 1530
		MEDIUM			l/s / CFM	467 / 990	604 / 1280	675 / 1430
		LOW			l/s / CFM	425 / 900	571 / 1210	609 / 1290
	EXTERNAL STATIC PRESSURE (H/M/L)			Pa (in.wg.)	206 / 176 / 127 / 93 (0.8 / 0.7 / 0.5 / 0.4)	176 / 157 / 137 / 108 (0.7 / 0.6 / 0.6 / 0.4)	176 / 157 / 137 / 98 (0.7 / 0.6 / 0.6 / 0.4)	
	SOUND PRESSURE LEVEL (H/M/L)			dBA	51 / 49 / 45 / 41	53 / 52 / 50 / 47	55 / 53 / 50 / 47	
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH		mm	378 x 1045 x 541	378 x 1299 x 541	378 x 1499 x 541
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH		mm	415 x 1245 x 631	415 x 1497 x 631	415 x 1701 x 631
	UNIT WEIGHT			kg	42	54	62	
	CONDENSATE DRAIN SIZE			mm	19.1	19.1	19.1	
	FAN	TYPE				CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
		DRIVE				DIRECT	DIRECT	DIRECT
	FAN MOTOR	TYPE				INDUCTION	INDUCTION	INDUCTION
		INDEX OF PROTECTION (IP)				IP21	IP 21	IP 21
		INSULATION GRADE				CLASS B	CLASS B	CLASS B
		RATED INPUT POWER		W	405	498	643	
		RATED RUNNING CURRENT		A	1.76	2.22	2.90	
		MOTOR OUTPUT		W	355	373	500	
	COIL	POLES				4	4	4
		TUBE	MATERIAL			COPPER	COPPER	COPPER
			DIAMETER		mm	9.52	9.52	9.52
		FIN	MATERIAL			ALUMINIUM	ALUMINIUM	ALUMINIUM
			FACE AREA		m²	0.31	0.4	0.47
	AIR QUALITY	FILTER	TYPE			WASHABLE SARANET FILTER	WASHABLE SARANET FILTER	WASHABLE SARANET FILTER
QUANTITY			pc	2	2	2		
CASING			COLOUR	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT		
OUTDOOR UNIT	AIR FLOW			l/s / CFM	1605 / 3400	1605 / 3400	1793 / 3800	
	SOUND PRESSURE LEVEL			dBA	58	58	61	
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH		mm	852 x 1030 x 400	852 x 1030 x 400	852 x 1030 x 400
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH		mm	1010 x 1180 x 514	1010 x 1180 x 514	1010 x 1180 x 514
	UNIT WEIGHT			kg	100	105	108	
	PIPE CONNECTION	SIZE	TYPE		FLARE VALVE	FLARE VALVE	FLARE VALVE	
			LIQUID		9.52	9.52	12.70	
			GAS		mm	19.05	19.05	19.05
	FAN	TYPE				PROPELLER	PROPELLER	PROPELLER
		DRIVE				DIRECT	DIRECT	DIRECT
	FAN MOTOR	TYPE				INDUCTION	INDUCTION	INDUCTION
		INDEX OF PROTECTION (IP)				IP54	IP 54	IP 54
		INSULATION GRADE				CLASS B	CLASS B	CLASS F
		RATED INPUT POWER (R)		W	257	257	272	
		RATED RUNNING CURRENT (R)		A	1.10	1.10	1.28	
		RATED INPUT POWER (RY)		W	276	276	272	
		RATED RUNNING CURRENT (RY)		A	1.34	1.34	1.28	
		MOTOR OUTPUT		W	145	145	145	
	COMPRESSOR	POLES				8	8	8
		TYPE				SCROLL	SCROLL	SCROLL
		OIL TYPE				MINERAL (Sontex 200 LT)	MINERAL (Sontex 200 LT)	MINERAL (Sontex 200 LT)
		R	OIL AMOUNT		cm³	1240	1950	1705
			RATED INPUT POWER (COOLING)		W	3388	4195	5095
			RATED RUNNING CURRENT (COOLING)		A	5.31	7.10	8.61
		RY	RATED INPUT POWER (COOLING)		W	3019	4426	5095
			RATED INPUT POWER (HEATING)		W	2919	3776	4065
			RATED RUNNING CURRENT (COOLING)		A	5.40	7.34	8.61
			RATED RUNNING CURRENT (HEATING)		A	5.23	6.56	7.41
	COIL	LOCKED ROTOR AMP.			A	48	59	74
		TUBE	MATERIAL			COPPER	COPPER	COPPER
DIAMETER			mm	7.00	7.00	9.52		
FIN		MATERIAL			ALUMINIUM	ALUMINIUM	ALUMINIUM	
		FACE AREA		m²	0.87	0.87	0.84	
CASING			COLOUR	LIGHT GREY	LIGHT GREY	LIGHT GREY		

ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151 (NON-DUCTED UNIT) OR ISO 13253 (DUCTED UNIT).

COOLING		HEATING	
INDOOR: 27°C DB / 19°C WB		INDOOR: 20°C DB	
OUTDOOR: 35°C DB / 24°C WB		OUTDOOR: 7°C DB / 6°C WB	

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Engineering Data - R22 MODEL

MODEL		INDOOR UNIT		FDB10CXV1		FDB15CXV1		FDB20CXV1	
		OUTDOOR UNIT		R10CXV1		R15CXV1		R20CXV1	
NOMINAL COOLING CAPACITY				Btu/h	9500	12300		19000	
				W	2780	3600		5570	
NOMINAL TOTAL INPUT POWER (COOLING)				W	894	1256		1879	
NOMINAL RUNNING CURRENT (COOLING)				A	3.99	5.63		8.25	
EER				W/W	3.15	2.91		3.01	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP.TUBE		OUTDOOR CAP.TUBE	
REFRIGERANT CHARGE				kg	0.63	0.60		1.35	
MODEL		INDOOR UNIT		FDYB10CXV1		FDYB15CXV1		FDYB20CXV1	
		OUTDOOR UNIT		RY10CXV1		RY15CXV1		RY18CXV1	
NOMINAL COOLING CAPACITY				Btu/h	9500	12300	18000	19000	
				W	2780	3600	5280	5570	
NOMINAL HEATING CAPACITY				Btu/h	9500	12000	18500	19800	
				W	2780	3515	5420	5800	
NOMINAL TOTAL INPUT POWER (COOLING)				W	894	1256	1894	1879	
NOMINAL TOTAL INPUT POWER (HEATING)				W	784	1051	1734	1829	
NOMINAL RUNNING CURRENT (COOLING)				A	3.99	5.63	8.50	8.25	
NOMINAL RUNNING CURRENT (HEATING)				A	3.49	4.73	7.80	8.05	
EER				W/W	3.15	2.91	2.83	3.01	
COP				W/W	3.59	3.40	3.18	3.23	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE	
REFRIGERANT CHARGE				kg	0.63	0.93	0.85	1.35	
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	
REFRIGERANT TYPE					R22	R22	R22	R22	
INDOOR UNIT	CONTROL	AIR DISCHARGE OPERATION			DUCTED	DUCTED	DUCTED	DUCTED	
					SLM WIRED HANDSET	SLM WIRED HANDSET	SLM WIRED HANDSET	SLM WIRED HANDSET	
	AIR FLOW	HIGH	l/s / CFM	142 / 300	255 / 540	307 / 650	307 / 650		
		MEDIUM	l/s / CFM	130 / 275	236 / 500	302 / 640	302 / 640		
		LOW	l/s / CFM	106 /225	179 / 380	269 / 570	269 / 570		
	EXTERNAL STATIC PRESSURE (H/M/L)		Pa (in.wg.)	10 / 8 / 5 (0.04 / 0.03 / 0.02)	10 / 8 / 5 (0.04 / 0.03 / 0.02)	20 / 19 / 15 (0.08 / 0.07 / 0.06)	20 / 19 / 15 (0.08 / 0.07 / 0.06)		
	SOUND PRESSURE LEVEL (H/M/L)		dBA	33 / 30 / 25	36 / 33 / 28	38 / 37 / 35	38 / 37 / 35		
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH	mm	261 x 765 x 411	261 x 905 x 411	261 x 1065 x 411		
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH	mm	376 x 951 x 541	376 x 1091 x 541	376 x 1251 x 541		
	UNIT WEIGHT		kg	17	21	22	22		
	CONDENSATE DRAIN SIZE		mm	19.1	19.1	19.1	19.1		
	FAN	TYPE			CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	
		DRIVE			DIRECT	DIRECT	DIRECT	DIRECT	
	FAN MOTOR	TYPE			INDUCTION	INDUCTION	INDUCTION	INDUCTION	
		INDEX OF PROTECTION (IP)			IP 20	IP 20	IP 20	IP 20	
		INSULATION GRADE			CLASS B	CLASS B	CLASS B	CLASS B	
		RATED INPUT POWER	W	68	106	132	132		
		RATED RUNNING CURRENT	A	0.30	0.47	0.58	0.58		
		MOTOR OUTPUT	W	20	40	60	60		
		POLES			4	4	6	6	
	COIL	TUBE	MATERIAL		COPPER	COPPER	COPPER	COPPER	
			DIAMETER	mm	9.52	9.52	9.52	9.52	
		FIN	MATERIAL		ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	
			FACE AREA	m²	0.115	0.143	0.176	0.176	
	AIR QUALITY	FILTER	TYPE		WASHABLE SARANET FILTER	WASHABLE SARANET FILTER	WASHABLE SARANET FILTER	WASHABLE SARANET FILTER	
			QUANTITY	pc	1	1	1	1	
	CASING		COLOUR		WITHOUT POWDER PAINT	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT	
OUTDOOR UNIT	AIR FLOW		l/s / CFM	396 / 840	453 / 960	614 / 1300	614 / 1300		
	SOUND PRESSURE LEVEL		dBA	46	49	51	51		
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH	mm	540 x 700 x 250	540 x 700 x 250	651 x 855 x 328		
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH	mm	620 x 810 x 330	620 x 810 x 330	810 x 990 x 415	810 x 990 x 415	
	UNIT WEIGHT	COOLING ONLY		kg	28	28	-	47	
		HEATPUMP		kg	30	30	43	47	
	PIPE CONNECTION	SIZE	TYPE		FLARE VALVE	FLARE VALVE	FLARE VALVE	FLARE VALVE	
			LIQUID	mm	6.35	6.35	6.35	6.35	
			GAS	mm	9.52	12.70	15.88	15.88	
	FAN	TYPE			PROPELLER	PROPELLER	PROPELLER	PROPELLER	
		DRIVE			DIRECT	DIRECT	DIRECT	DIRECT	
	FAN MOTOR	TYPE			INDUCTION	INDUCTION	INDUCTION	INDUCTION	
		INDEX OF PROTECTION (IP)			IP23	IP23	IP23	IP23	
		INSULATION GRADE			CLASS B	CLASS B	CLASS F	CLASS F	
		RATED INPUT POWER	W	57	76	77	80		
		RATED RUNNING CURRENT	A	0.25	0.33	0.34	0.36		
		MOTOR OUTPUT	W	21	30	32	32		
		POLES			6	6	6	6	
	COMPRESSOR	TYPE			ROTARY	ROTARY	ROTARY	ROTARY	
		OIL TYPE			ATMOS NM56M or SUNISO 4GDID	ATMOS NM56M or SUNISO 4GDID	ATMOS NM56M or SUNISO 4GDID	ATMOS NM56M or SUNISO 4GDID	
		OIL AMOUNT		cm³	320	350	670	670	
		R	RATED INPUT POWER (COOLING)	W	769	1074	-	1667	
			RATED RUNNING CURRENT (COOLING)	A	3.44	4.83	-	7.31	
		RY	RATED INPUT POWER (COOLING)	W	769	1074	1685	1667	
			RATED INPUT POWER (HEATING)	W	659	869	1525	1617	
			RATED RUNNING CURRENT (COOLING)	A	3.44	4.83	7.58	7.31	
			RATED RUNNING CURRENT (HEATING)	A	2.94	3.93	6.88	7.11	
		LOCKED ROTOR AMP.		A	20	25	32	34	
	COIL	TUBE	MATERIAL		COPPER	COPPER	COPPER	COPPER	
			R	DIAMETER	mm	7	7	7	7
			RY	DIAMETER	mm	7	9.52	7	7
		FIN	MATERIAL		ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	
			FACE AREA	m²	0.36	0.36	0.52	0.52	
	CASING		COLOUR		LIGHT GREY	LIGHT GREY	LIGHT GREY		

ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151 (NON-DUCTED UNIT) OR ISO 13253 (DUCTED UNIT).

COOLING	HEATING
INDOOR: 27°C DB / 19°C WB	INDOOR: 20°C DB
OUTDOOR: 35°C DB / 24°C WB	OUTDOOR: 7°C DB / 6°C WB

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Engineering Data - R22 MODEL

MODEL	INDOOR UNIT			FDB25CXV1	FDB30CXV1	FDB30CXV1	FDB30CXV1	
OUTDOOR UNIT				R25CXV1	R28CXV1	R30DXV1	R30DXY1	
NOMINAL COOLING CAPACITY				Btu/h	23500	28000	29000	
				W	6890	8206	8499	
NOMINAL TOTAL INPUT POWER (COOLING)				W	2589	3124	2770	
NOMINAL RUNNING CURRENT (COOLING)				A	11.60	15.50	12.90	
EER				W/W	2.69	2.67	3.13	
REFRIGERANT CONTROL (EXPANSION DEVICE)				OUTDOOR CAP. TUBE				
REFRIGERANT CHARGE				kg	1.50	1.75	1.60	
MODEL	INDOOR UNIT			FDYB25CXV1	FDYB30CXV1	FDYB30CXV1	FDYB30CXV1	
OUTDOOR UNIT				RY25CXV1	RY28CXV1	RY30DXV1	RY30DXY1	
NOMINAL COOLING CAPACITY				Btu/h	23500	28000	30000	
				W	6890	8206	8792	
NOMINAL HEATING CAPACITY				Btu/h	24000	29000	30000	
				W	7030	8499	8792	
NOMINAL TOTAL INPUT POWER (COOLING)				W	2589	3124	3116	
NOMINAL TOTAL INPUT POWER (HEATING)				W	2509	2700	3086	
NOMINAL RUNNING CURRENT (COOLING)				A	11.70	15.50	14.80	
NOMINAL RUNNING CURRENT (HEATING)				A	11.50	13.80	14.70	
EER				W/W	2.69	2.67	2.87	
COP				W/W	2.84	3.21	2.90	
REFRIGERANT CONTROL (EXPANSION DEVICE)				OUTDOOR CAP. TUBE				
REFRIGERANT CHARGE				kg	1.50	1.83	2.15	
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	
REFRIGERANT TYPE					R22	R22	R22	
INDOOR UNIT	CONTROL	AIR DISCHARGE OPERATION			DUCTED	DUCTED	DUCTED	
					SLM WIRED HANDSET	SLM WIRED HANDSET	SLM WIRED HANDSET	
	AIR FLOW	SUPER HIGH		l/s / CFM	-	444 / 940	444 / 940	
		HIGH		l/s / CFM	363 / 770	415 / 880	415 / 880	
		MEDIUM		l/s / CFM	340 / 720	373 / 790	373 / 790	
		LOW		l/s / CFM	274 / 580	349 / 740	349 / 740	
	EXTERNAL STATIC PRESSURE (SH/H/M/L)			Pa (in.wg.)	20 / 18 / 11 (0.08 / 0.07 / 0.04)	49 / 39 / 29 / 20 (0.20 / 0.16 / 0.12 / 0.08)	49 / 39 / 29 / 20 (0.20 / 0.16 / 0.12 / 0.08)	
	SOUND PRESSURE LEVEL (H/M/L)			dBA	40 / 39 / 35	41 / 40 / 39 / 36	41 / 40 / 39 / 36	
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH	mm	261 x 1200 x 411	378 x 929 x 541	378 x 929 x 541	
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH	mm	376 x 1386 x 541	415 x 1126 x 631	415 x 1126 x 631	
	UNIT WEIGHT			kg	25	39	39	
	CONDENSATE DRAIN SIZE			mm	19.1	19.1	19.1	
	FAN	TYPE			CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	
		DRIVE			DIRECT	DIRECT	DIRECT	
	FAN MOTOR	TYPE			INDUCTION	INDUCTION	INDUCTION	
		INDEX OF PROTECTION (IP)			IP20	IP 20	IP 20	
		INSULATION GRADE			CLASS B	CLASS B	CLASS B	
		RATED INPUT POWER		W	161	249	249	
		RATED RUNNING CURRENT		A	0.70	1.09	1.09	
		MOTOR OUTPUT		W	80	100	100	
	COIL	POLES			4	4	4	
		TUBE	MATERIAL		COPPER	COPPER	COPPER	
			DIAMETER		mm	9.52	9.52	
		FIN	MATERIAL		ALUMINIUM	ALUMINIUM	ALUMINIUM	
	FACE AREA		m²	0.203	0.277			
	AIR QUALITY	FILTER	TYPE		WASHABLE SARANET FILTER	WASHABLE SARANET FILTER	WASHABLE SARANET FILTER	
			QUANTITY		pc	1	2	
	CASING			COLOUR	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT	
	OUTDOOR UNIT	AIR FLOW			l/s / CFM	755 / 1600	741 / 1570	1605 / 3400
SOUND PRESSURE LEVEL			dBA	52	58	58		
UNIT DIMENSION		HEIGHT X WIDTH X DEPTH	mm	753 x 855 x 328	753 x 855 x 328	852 x 1030 x 400		
PACKING DIMENSION		HEIGHT X WIDTH X DEPTH	mm	810 x 990 x 415	810 x 990 x 415	1010 x 1180 x 514		
UNIT WEIGHT			kg	57	57	95		
PIPE CONNECTION		TYPE			FLARE VALVE	FLARE VALVE	FLARE VALVE	
		SIZE	LIQUID		mm	9.52	9.52	
			GAS		mm	15.88	15.88	
FAN		TYPE			PROPELLER	PROPELLER	PROPELLER	
		DRIVE			DIRECT	DIRECT	DIRECT	
FAN MOTOR		TYPE			INDUCTION	INDUCTION	INDUCTION	
		INDEX OF PROTECTION (IP)			IP23	IP23	IP54	
		INSULATION GRADE			CLASS F	CLASS F	CLASS B	
		RATED INPUT POWER		W	123	124	257	
		RATED RUNNING CURRENT		A	0.53	0.54	1.10	
		MOTOR OUTPUT		W	60	66	145	
COMPRESSOR		POLES			6	6	8	
		TYPE			ROTARY	ROTARY	SCROLL	
		OIL TYPE			ATMOS NM56M or SUNISO 4GDID	ATMOS M60 or SUNISO 4GDID	MINERAL (Sontex 200 LT)	
		R	OIL AMOUNT		cm³	700	1130	1240
RATED INPUT POWER (COOLING)			W	2305	2751	2264		
COIL		RY	RATED RUNNING CURRENT (COOLING)		A	10.40	13.90	4.38
			RATED INPUT POWER (COOLING)		W	2305	2751	2610
		RATED INPUT POWER (HEATING)		W	2225	2327	2580	
		RATED RUNNING CURRENT (COOLING)		A	10.50	13.90	12.60	
		RATED RUNNING CURRENT (HEATING)		A	10.30	12.20	12.50	
		LOCKED ROTOR AMP.		A	54	66	40	
CASING		TUBE	MATERIAL		COPPER	COPPER	COPPER	
			DIAMETER		mm	7	9.52	
	FIN	MATERIAL		ALUMINIUM	ALUMINIUM	ALUMINIUM		
		FACE AREA		m²	0.203	0.61		
ROW				3	2			
	COLOUR		LIGHT GREY	LIGHT GREY	LIGHT GREY			

ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151 (NON-DUCTED UNIT) OR ISO 13253 (DUCTED UNIT).

COOLING	HEATING
INDOOR: 27°C DB / 19°C WB	INDOOR: 20°C DB
OUTDOOR: 35°C DB / 24°C WB	OUTDOOR: 7°C DB / 6°C WB

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Engineering Data - R22 MODEL (Low Static)

MODEL		INDOOR UNIT		OUTDOOR UNIT		FDB40CXV1	FDB40CXV1	FDB40CXV1	FDB50CXV1
						R35DXV1	R40DXV1	R40DXV1	R50DXV1
NOMINAL COOLING CAPACITY				Btu/h		33500	38000	38000	48000
				W		9818	11140	11140	14100
NOMINAL TOTAL INPUT POWER (COOLING)				W		3350	3500	3897	4859
NOMINAL RUNNING CURRENT (COOLING)				A		16.40	18.20	5.64	7.86
EER				W/W		2.99	3.24	2.91	2.97
REFRIGERANT CONTROL (EXPANSION DEVICE)						INDOOR CAP. TUBE	INDOOR CAP. TUBE	INDOOR CAP. TUBE	INDOOR CAP. TUBE
REFRIGERANT CHARGE				kg		2.00	2.40	2.48	2.45
MODEL		INDOOR UNIT		OUTDOOR UNIT		FDYB40CXV1	FDYB40CXV1	FDYB40CXV1	FDYB50CXV1
						RY35DXV1	RY40DXV1	RY40DXV1	RY50DXV1
NOMINAL COOLING CAPACITY				Btu/h		33500	37500	37500	48000
				W		9818	11000	11100	14100
NOMINAL HEATING CAPACITY				Btu/h		35000	40000	40000	50000
				W		10257	11700	11700	14700
NOMINAL TOTAL INPUT POWER (COOLING)				W		3210	3700	3650	5087
NOMINAL TOTAL INPUT POWER (HEATING)				W		3210	3650	3550	4437
NOMINAL RUNNING CURRENT (COOLING)				A		16.40	17.50	6.35	8.15
NOMINAL RUNNING CURRENT (HEATING)				A		16.40	17.40	6.17	7.37
EER				W/W		3.12	3.02	3.07	2.84
COP				W/W		3.26	3.27	3.36	3.4
REFRIGERANT CONTROL (EXPANSION DEVICE)						OUTDOOR CAP. TUBE + TXV	OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE
REFRIGERANT CHARGE				kg		2.00	2.60	2.60	2.50
POWER SOURCE				V/Ph/Hz		220 - 240 / 1 / 50	220 - 240 / 1 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
REFRIGERANT TYPE						R22	R22	R22	R22
INDOOR UNIT	CONTROL	AIR DISCHARGE OPERATION				DUCTED	DUCTED	DUCTED	DUCTED
						SLM WIRED HANDSET	SLM WIRED HANDSET	SLM WIRED HANDSET	SLM WIRED HANDSET
	AIR FLOW	SUPER HIGH		l/s / CFM		562 / 1190	562 / 1190	562 / 1190	713 / 1510
		HIGH		l/s / CFM		500 / 1060	500 / 1060	500 / 1060	628 / 1330
		MEDIUM		l/s / CFM		472 / 1000	472 / 1000	472 / 1000	618 / 1310
		LOW		l/s / CFM		458 / 970	458 / 970	458 / 970	599 / 1270
	EXTERNAL STATIC PRESSURE (H/M/L)				Pa (in.wg.)	49 / 39 / 29 / 20 (0.20 / 0.16 / 0.12 / 0.08)	49 / 39 / 29 / 20 (0.20 / 0.16 / 0.12 / 0.08)	49 / 39 / 29 / 20 (0.20 / 0.16 / 0.12 / 0.08)	78 / 59 / 39 / 20 (0.31 / 0.24 / 0.16 / 0.08)
	SOUND PRESSURE LEVEL (H/M/L)				dBA	43 / 41 / 40 / 38	43 / 41 / 40 / 38	43 / 41 / 40 / 38	46 / 44 / 43 / 42
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH		mm	378 x 1045 x 541	378 x 1045 x 541	378 x 1045 x 541	378 x 1299 x 541
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH		mm	415 x 1245 x 631	415 x 1245 x 631	415 x 1245 x 631	415 x 1497 x 631
	UNIT WEIGHT			kg	42	42	42	54	
	CONDENSATE DRAIN SIZE			mm	19.1	19.1	19.1	19.1	
	FAN	TYPE				CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
		DRIVE				DIRECT	DIRECT	DIRECT	DIRECT
	FAN MOTOR	TYPE				INDUCTION	INDUCTION	INDUCTION	INDUCTION
		INDEX OF PROTECTION (IP)				IP 20	IP 20	IP 20	IP 20
		INSULATION GRADE				CLASS B	CLASS B	CLASS B	CLASS B
		RATED INPUT POWER		W		310	310	310	441
		RATED RUNNING CURRENT		A		1.35	1.35	1.35	1.93
		MOTOR OUTPUT		W		150	150	150	230
		POLES				4	4	4	4
	COIL	TUBE	MATERIAL			COPPER	COPPER	COPPER	COPPER
			DIAMETER		mm	9.52	9.52	9.52	9.52
		FIN	MATERIAL			ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM
			FACE AREA		m²	0.31	0.31	0.31	0.4
	AIR QUALITY	FILTER	TYPE			WASHABLE SARANET FILTER	WASHABLE SARANET FILTER	WASHABLE SARANET FILTER	WASHABLE SARANET FILTER
			QUANTITY			pc	2	2	2
	CASING				COLOUR	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT
OUTDOOR UNIT	AIR FLOW				l/s / CFM	1605 / 3400	1605 / 3400	1605 / 3400	1605 / 3400
	SOUND PRESSURE LEVEL				dBA	58	58	58	58
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH		mm	852 x 1030 x 400	852 x 1030 x 400	852 x 1030 x 400	852 x 1030 x 400
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH		mm	1010 x 1180 x 514	1010 x 1180 x 514	1010 x 1180 x 514	1010 x 1180 x 514
	UNIT WEIGHT				kg	95	100	100	105
	PIPE CONNECTION	SIZE	TYPE			FLARE VALVE	FLARE VALVE	FLARE VALVE	FLARE VALVE
			LIQUID		mm	9.52	9.52	9.52	9.52
			GAS		mm	19.05	19.05	19.05	19.05
	FAN	TYPE				PROPELLER	PROPELLER	PROPELLER	PROPELLER
		DRIVE				DIRECT	DIRECT	DIRECT	DIRECT
	FAN MOTOR	TYPE				INDUCTION	INDUCTION	INDUCTION	INDUCTION
		INDEX OF PROTECTION (IP)				IP54	IP54	IP54	IP 54
		INSULATION GRADE				CLASS B	CLASS B	CLASS B	CLASS F
		RATED INPUT POWER (R)		W		257	257	257	257
		RATED RUNNING CURRENT (R)		A		1.10	1.10	1.10	1.10
		RATED INPUT POWER (RY)		W		257	276	276	276
		RATED RUNNING CURRENT (RY)		A		1.10	1.34	1.34	1.34
		MOTOR OUTPUT		W		145	145	145	145
		POLES				8	8	8	8
	COMPRESSOR	TYPE				SCROLL	SCROLL	SCROLL	SCROLL
		OIL TYPE				MINERAL (Sontex 200 LT)	MINERAL (Sontex 200 LT)	MINERAL (Sontex 200 LT)	MINERAL (Sontex 200 LT)
		R	OIL AMOUNT		cm³	1240	1240	1240	1950
			RATED INPUT POWER (COOLING)		W	2783	2933	3330	4161
			RATED RUNNING CURRENT (COOLING)		A	14.00	15.8	4.82	6.85
		RY	RATED INPUT POWER (COOLING)		W	2643	3114	3064	4370
			RATED INPUT POWER (HEATING)		W	2643	3064	2964	3720
			RATED RUNNING CURRENT (COOLING)		A	14.00	14.80	5.45	7.06
			RATED RUNNING CURRENT (HEATING)		A	14.00	14.70	5.27	6.28
		LOCKED ROTOR AMP.		A		97	114	48	59
	COIL	TUBE	MATERIAL			COPPER	COPPER	COPPER	COPPER
			R	DIAMETER	mm	9.52	7	7	7
			RY	DIAMETER	mm	9.52	7	7	7
		FIN	MATERIAL			ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM
			FACE AREA		m²	0.87	0.87	0.87	0.87
			ROW			2	2	2	2
	CASING				COLOUR	LIGHT GREY	LIGHT GREY	LIGHT GREY	LIGHT GREY

ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151 (NON-DUCTED UNIT) OR ISO 13253 (DUCTED UNIT).

COOLING		HEATING	
INDOOR: 27°C DB / 19°C WB		INDOOR: 20°C DB	
OUTDOOR: 35°C DB / 24°C WB		OUTDOOR: 7°C DB / 6°C WB	

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Engineering Data - R22 MODEL

MODEL		INDOOR UNIT		FDB60CXV1						
		OUTDOOR UNIT		R61DXY1						
NOMINAL COOLING CAPACITY				Btu/h	56000					
				W	16410					
NOMINAL TOTAL INPUT POWER (COOLING)				W	5800					
NOMINAL RUNNING CURRENT (COOLING)				A	9.83					
EER				W/W	2.89					
REFRIGERANT CONTROL (EXPANSION DEVICE)				INDOOR CAP. TUBE						
REFRIGERANT CHARGE				kg	5.00					
MODEL		INDOOR UNIT		FDYB60CXV1						
		OUTDOOR UNIT		RY61DXY1						
NOMINAL COOLING CAPACITY				Btu/h	56000					
				W	16410					
NOMINAL HEATING CAPACITY				Btu/h	56000					
				W	16410					
NOMINAL TOTAL INPUT POWER (COOLING)				W	5884					
NOMINAL TOTAL INPUT POWER (HEATING)				W	4854					
NOMINAL RUNNING CURRENT (COOLING)				A	9.83					
NOMINAL RUNNING CURRENT (HEATING)				A	8.63					
EER				W/W	2.85					
COP				W/W	3.46					
REFRIGERANT CONTROL (EXPANSION DEVICE)				INDOOR & OUTDOOR CAP. TUBE						
REFRIGERANT CHARGE				kg	5.00					
POWER SOURCE				V/Ph/Hz	380 - 415 / 3 / 50					
REFRIGERANT TYPE				R22						
INDOOR UNIT	CONTROL	AIR DISCHARGE OPERATION			DUCTED					
					SLM WIRED HANDSET					
	AIR FLOW	SUPER HIGH		I/s / CFM	802 / 1700					
		HIGH		I/s / CFM	765 / 1620					
		MEDIUM		I/s / CFM	717 / 1520					
		LOW		I/s / CFM	694 / 1470					
	EXTERNAL STATIC PRESSURE (H/M/L)			Pa (in.wg.)	69 / 49 / 29 / 20 (0.28 / 0.20 / 0.12 / 0.08)					
	SOUND PRESSURE LEVEL (H/M/L)			dBA	48 / 47 / 46 / 45					
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH	mm	378 x 1499 x 541					
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH	mm	415 x 1701 x 631					
	UNIT WEIGHT			kg	62					
	CONDENSATE DRAIN SIZE			mm	19.1					
	FAN	TYPE			CENTRIFUGAL					
		DRIVE			DIRECT					
	FAN MOTOR	TYPE			INDUCTION					
		INDEX OF PROTECTION (IP)			IP 20					
		INSULATION GRADE			CLASS B					
		RATED INPUT POWER		W	558					
		RATED RUNNING CURRENT		A	2.43					
		MOTOR OUTPUT		W	300					
		POLES			4					
	COIL	TUBE	MATERIAL		COPPER					
			DIAMETER		mm	9.52				
		FIN	MATERIAL		ALUMINIUM					
			FACE AREA		m²	0.47				
			ROW		3					
	AIR QUALITY	FILTER	TYPE		WASHABLE SARANET FILTER					
			QUANTITY		pc	2				
	CASING			COLOUR	WITHOUT POWDER PAINT					
OUTDOOR UNIT	AIR FLOW			I/s / CFM	1793 / 3800					
	SOUND PRESSURE LEVEL			dBA	61					
	UNIT DIMENSION		HEIGHT X WIDTH X DEPTH	mm	852 x 1030 x 400					
	PACKING DIMENSION		HEIGHT X WIDTH X DEPTH	mm	1010 x 1180 x 514					
	UNIT WEIGHT			kg	108					
	PIPE CONNECTION	TYPE			FLARE VALVE					
		SIZE	LIQUID		mm	12.70				
			GAS		mm	19.05				
	FAN	TYPE			PROPELLER					
		DRIVE			DIRECT					
	FAN MOTOR	TYPE			INDUCTION					
		INDEX OF PROTECTION (IP)			IP 54					
		INSULATION GRADE			CLASS F					
		RATED INPUT POWER		W	272					
		RATED RUNNING CURRENT		A	1.28					
		MOTOR OUTPUT		W	145					
		POLES			8					
	COMPRESSOR	TYPE			SCROLL					
		OIL TYPE			MINERAL (Sontex 200 LT)					
		OIL AMOUNT		cm³	1705					
		R	RATED INPUT POWER (COOLING)		W	4970				
			RATED RUNNING CURRENT (COOLING)		A	8.59				
		RY	RATED INPUT POWER (COOLING)		W	5054				
			RATED INPUT POWER (HEATING)		W	4024				
			RATED RUNNING CURRENT (COOLING)		A	8.59				
			RATED RUNNING CURRENT (HEATING)		A	7.39				
		LOCKED ROTOR AMP.			A	74				
		COIL	TUBE	MATERIAL		COPPER				
	R			DIAMETER	mm	9.52				
	RY		DIAMETER		mm	9.52				
			MATERIAL		ALUMINIUM					
	FACE AREA		m²	0.84						
	CASING			COLOUR	LIGHT GREY					

ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151 (NON-DUCTED UNIT) OR ISO 13253 (DUCTED UNIT).

COOLING		HEATING	
INDOOR: 27°C DB / 19°C WB		INDOOR: 20°C DB	
OUTDOOR: 35°C DB / 24°C WB		OUTDOOR: 7°C DB / 6°C WB	

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Safety Device

MODEL	INDOOR		FDM10CXV1 FDB10CXV1	FDM15CXV1 FDB15CXV1
	OUTDOOR		R10CXV1	R15CXV1
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	LOW PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	PHASE SEQUENCER		N/A	
	DISCHARGE THERMOSTAT SETTING		°C / °F	

MODEL	INDOOR		FDM20CXV1 FDB20CXV1	FDM25CXV1 FDB25CXV1
	OUTDOOR		R20CXV1	R25CXV1
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	LOW PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	PHASE SEQUENCER		N/A	
	DISCHARGE THERMOSTAT SETTING		°C / °F	

MODEL	INDOOR		FDM28CXV1	
	OUTDOOR		R28CXV1	R30DXV1
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	N/A	NC
		OPEN kPa / psi	N/A	2937 / 426
		CLOSE kPa / psi	N/A	2413 / 350
	LOW PRESSURE SWITCH	TYPE	N/A	NC
		OPEN kPa / psi	N/A	124 / 18
		CLOSE kPa / psi	N/A	193 / 28
	PHASE SEQUENCER		N/A	N/A
	DISCHARGE THERMOSTAT SETTING		N/A	N/A

MODEL	INDOOR		FDM30CXV1 FDB30CXV1	
	OUTDOOR		R28CXV1	
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	LOW PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	PHASE SEQUENCER		N/A	
	DISCHARGE THERMOSTAT SETTING		°C / °F	

MODEL	INDOOR		FDM30CXV1 FDB30CXV1	
	OUTDOOR		R30DXV1	R30DXY1
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	NC	NC
		OPEN kPa / psi	2937 / 426	2937 / 426
		CLOSE kPa / psi	2413 / 350	2413 / 350
	LOW PRESSURE SWITCH	TYPE	NC	NC
		OPEN kPa / psi	124 / 18	124 / 18
		CLOSE kPa / psi	193 / 28	193 / 28
	PHASE SEQUENCER		N/A	YES
	DISCHARGE THERMOSTAT SETTING		N/A	130 / 266

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MODEL	INDOOR		FDM38CXV1	
	OUTDOOR		R35DXV1	
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	NC	
		OPEN kPa / psi	2937 / 426	
		CLOSE kPa / psi	2413 / 350	
	LOW PRESSURE SWITCH	TYPE	NC	
		OPEN kPa / psi	124 / 18	
		CLOSE kPa / psi	193 / 28	
	PHASE SEQUENCER		N/A	
	DISCHARGE THERMOSTAT SETTING		°C / °F	

MODEL	INDOOR		FDM38CXV1	
	OUTDOOR		R40DXV1	R40DXY1
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	NC	NC
		OPEN kPa / psi	2937 / 426	2937 / 426
		CLOSE kPa / psi	2413 / 350	2413 / 350
	LOW PRESSURE SWITCH	TYPE	NC	NC
		OPEN kPa / psi	124 / 18	124 / 18
		CLOSE kPa / psi	193 / 28	193 / 28
	PHASE SEQUENCER		N/A	YES
	DISCHARGE THERMOSTAT SETTING		°C / °F	N/A

MODEL	INDOOR		FDM40CXV1	
	OUTDOOR		FDB40CXV1	
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	NC	
		OPEN kPa / psi	2937 / 426	
		CLOSE kPa / psi	2413 / 350	
	LOW PRESSURE SWITCH	TYPE	NC	
		OPEN kPa / psi	124 / 18	
		CLOSE kPa / psi	193 / 28	
	PHASE SEQUENCER		N/A	
	DISCHARGE THERMOSTAT SETTING		°C / °F	

MODEL	INDOOR		FDM40CXV1	
	OUTDOOR		R40DXV1	R40DXY1
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	NC	NC
		OPEN kPa / psi	2937 / 426	2937 / 426
		CLOSE kPa / psi	2413 / 350	2413 / 350
	LOW PRESSURE SWITCH	TYPE	NC	NC
		OPEN kPa / psi	124 / 18	124 / 18
		CLOSE kPa / psi	193 / 28	193 / 28
	PHASE SEQUENCER		N/A	YES
	DISCHARGE THERMOSTAT SETTING		°C / °F	N/A

MODEL	INDOOR UNIT		FDM50CXV1	FDM60CXV1
	OUTDOOR UNIT		FDB50CXV1	FDB60CXV1
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	NC	
		OPEN kPa / psi	2937 / 426	
		CLOSE kPa / psi	2413 / 350	
	LOW PRESSURE SWITCH	TYPE	NC	
		OPEN kPa / psi	124 / 18	
		CLOSE kPa / psi	193 / 28	
	PHASE SEQUENCER		YES	
	DISCHARGE THERMOSTAT SETTING		°C / °F	

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MODEL	INDOOR		FDYM10CXV1 FDYB10CXV1	FDYM15CXV1 FDYB15CXV1
	OUTDOOR		RY10CXV1	RY15CXV1
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	LOW PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	PHASE SEQUENCER		N/A	
	DISCHARGE THERMOSTAT SETTING		°C / °F	

MODEL	INDOOR		FDYM20CXV1 FDYB20CXV1	
	OUTDOOR		RY18CXV1	RY20CXV1
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	LOW PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	PHASE SEQUENCER		N/A	
	DISCHARGE THERMOSTAT SETTING		°C / °F	

MODEL	INDOOR		FDYM25CXV1 FDYB25CXV1	FDYM28CXV1
	OUTDOOR		RY25CXV1	RY28CXV1
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	LOW PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	PHASE SEQUENCER		N/A	
	DISCHARGE THERMOSTAT SETTING		°C / °F	

MODEL	INDOOR		FDYM28CXV1	
	OUTDOOR		RY30DXV1	RY30DXY1
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	NC	NC
		OPEN kPa / psi	2937 / 426	2937 / 426
		CLOSE kPa / psi	2413 / 350	2413 / 350
	LOW PRESSURE SWITCH	TYPE	N/A	N/A
		OPEN kPa / psi	N/A	N/A
		CLOSE kPa / psi	N/A	N/A
	PHASE SEQUENCER		N/A	YES
	DISCHARGE THERMOSTAT SETTING		N/A	130 / 266

MODEL	INDOOR		FDYM30CXV1 FDYB30CXV1	
	OUTDOOR		RY28CXV1	
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	LOW PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	PHASE SEQUENCER		N/A	
	DISCHARGE THERMOSTAT SETTING		°C / °F	

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MODEL	INDOOR		FDYM30CXV1 FDYB30CXV1	
	OUTDOOR		RY30DXV1	RY30DXY1
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	NC	NC
		OPEN kPa / psi	2937 / 426	2937 / 426
		CLOSE kPa / psi	2413 / 350	2413 / 350
	LOW PRESSURE SWITCH	TYPE	N/A	N/A
		OPEN kPa / psi	N/A	N/A
		CLOSE kPa / psi	N/A	N/A
	PHASE SEQUENCER		N/A	YES
	DISCHARGE THERMOSTAT SETTING		N/A	130 / 266

MODEL	INDOOR		FDYM38CXV1 FDYB38CXV1	
	OUTDOOR		RY35DXV1	
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	NC	
		OPEN kPa / psi	2937 / 426	
		CLOSE kPa / psi	2413 / 350	
	LOW PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	PHASE SEQUENCER		N/A	
	DISCHARGE THERMOSTAT SETTING		N/A	

MODEL	INDOOR		FDYM38CXV1 FDYB38CXV1	
	OUTDOOR		RY40DXV1	RY40DXY1
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	NC	NC
		OPEN kPa / psi	2937 / 426	2937 / 426
		CLOSE kPa / psi	2413 / 350	2413 / 350
	LOW PRESSURE SWITCH	TYPE	N/A	N/A
		OPEN kPa / psi	N/A	N/A
		CLOSE kPa / psi	N/A	N/A
	PHASE SEQUENCER		N/A	YES
	DISCHARGE THERMOSTAT SETTING		N/A	130 / 266

MODEL	INDOOR		FDYM40CXV1 FDYB40CXV1	
	OUTDOOR		RY35DXV1	
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	NC	
		OPEN kPa / psi	2937 / 426	
		CLOSE kPa / psi	2413 / 350	
	LOW PRESSURE SWITCH	TYPE	N/A	
		OPEN kPa / psi	N/A	
		CLOSE kPa / psi	N/A	
	PHASE SEQUENCER		N/A	
	DISCHARGE THERMOSTAT SETTING		N/A	

MODEL	INDOOR		FDYM40CXV1 FDYB40CXV1	
	OUTDOOR		RY40DXV1	RY40DXY1
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE	NC	NC
		OPEN kPa / psi	2937 / 426	2937 / 426
		CLOSE kPa / psi	2413 / 350	2413 / 350
	LOW PRESSURE SWITCH	TYPE	N/A	N/A
		OPEN kPa / psi	N/A	N/A
		CLOSE kPa / psi	N/A	N/A
	PHASE SEQUENCER		N/A	YES
	DISCHARGE THERMOSTAT SETTING		N/A	130 / 266

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

MODEL	INDOOR		FDYM50CXV1 FDYB50CXV1	FDYM60CXV1 FDYB60CXV1
	OUTDOOR		RY50DXY1	RY61DXY1
SAFETY DEVICE	HIGH PRESSURE SWITCH	TYPE		NC
		OPEN	kPa / psi	2937 / 426
		CLOSE	kPa / psi	2413 / 350
	LOW PRESSURE SWITCH	TYPE		N/A
		OPEN	kPa / psi	N/A
		CLOSE	kPa / psi	N/A
	PHASE SEQUENCER			YES
	DISCHARGE THERMOSTAT SETTING	°C / °F		130 / 266

ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Performance Data

Calculation Steps

Interpolation method can be used to get the total cooling capacity, **TC** and sensible cooling capacity, **SC** and power input, **PI** at those temperatures which are not stated out in the table. Extrapolation method is not allowed to be used.

Example:

Model: FDM10CXV1 – R10CXV1

Indoor Condition: 25°C DB, 17°C WB

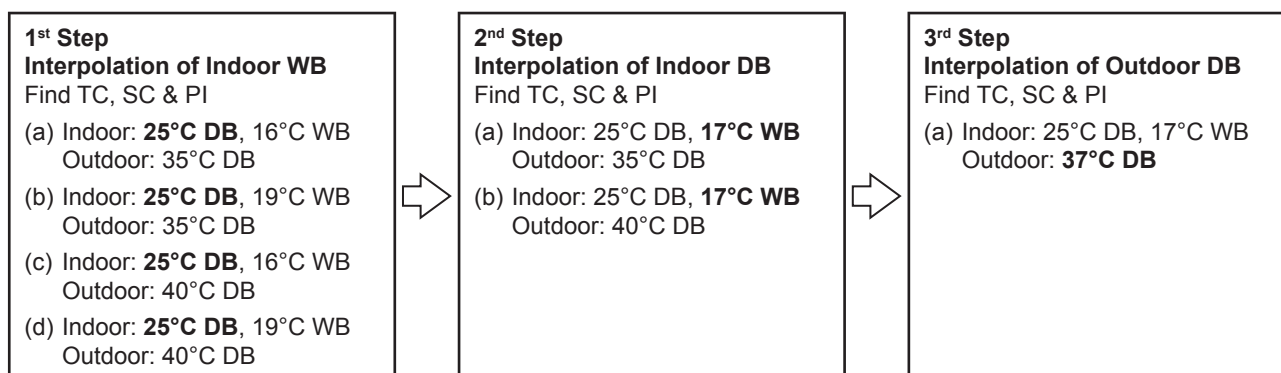
Outdoor Condition: 37°C DB

Fan Speed: High

Solution:

Based on the Performance Table,

1. Refer to the Indoor DB column,
 - **25°C** is located between 24°C & 27°C for 16°C WB.
 - **25°C** is located between 24°C & 27°C for 19°C WB.
 - Thus, Interpolation needs to be applied.
2. Refer to the Indoor WB column,
 - **17°C** is located between 16°C & 19°C for 25°C DB.
 - Thus, Interpolation needs to be applied.
3. Refer to the Outdoor DB column,
 - **37°C** is located between 35°C & 40°C.
 - Thus, Interpolation needs to be applied.



Details of Calculation:

1st Step:

To obtain the TC, SC & PI for

(a) Indoor Condition: 25°C DB, 16°C WB

Outdoor Condition: 35°C DB

EWB	EDB	Outdoor temperature			
			35°C		
			TC	SC	PI
			↓	↓	↓
16	24		3.20	3.20	1.27
	25	-----	x ₁	y ₁	z ₁
	27		3.30	3.30	1.27

By Interpolation Method

$$\Rightarrow \frac{25^{\circ}\text{C} - 24^{\circ}\text{C}}{27^{\circ}\text{C} - 24^{\circ}\text{C}} = \frac{x_1 - 3.20\text{kW}}{3.30\text{kW} - 3.20\text{kW}}$$

$$\Rightarrow x_1 = 3.23\text{kW}$$

Similarly,

$$y_1 = 3.23\text{kW}$$

$$z_1 = 1.27\text{kW}$$

(b) Indoor Condition: 25°C DB, 16°C WB**Outdoor Condition: 35°C DB**

EWB	EDB	Outdoor temperature				
		35°C				
			TC	SC	PI	
			↓	↓	↓	
19	24		3.51	2.57	1.29	
	25	-----	x ₂	y ₂	z ₂	
	27		3.52	2.99	1.29	

By Interpolation Method

$$\Rightarrow \frac{25^{\circ}\text{C} - 24^{\circ}\text{C}}{27^{\circ}\text{C} - 24^{\circ}\text{C}} = \frac{x_2 - 3.51\text{kW}}{3.52\text{kW} - 3.51\text{kW}}$$

$$\Rightarrow x_2 = 3.51\text{kW}$$

Similarly,

$$y_2 = 2.71\text{kW}$$

$$z_2 = 1.29\text{kW}$$

Repeat the same process for (c) & (d) in 1st Step

$$(c) x_3 = 2.98 \text{ kW}; y_3 = 2.98 \text{ kW}; z_3 = 1.38 \text{ kW}$$

$$(d) x_4 = 3.22 \text{ W}; y_4 = 2.53 \text{ kW}; z_4 = 1.40 \text{ kW}$$

2nd Step:

To obtain the TC, SC & PI for

(a) Indoor Condition: 25°C DB, 17°C WB**Outdoor Condition: 35°C DB**

EWB	EDB	Outdoor temperature				
		35°C				
			TC	SC	PI	
			↓	↓	↓	
16	25		3.23	3.23	1.27	
17		-----	x ₅	y ₅	z ₅	
19			3.51	2.71	1.29	

By Interpolation Method

$$\Rightarrow \frac{17^{\circ}\text{C} - 16^{\circ}\text{C}}{19^{\circ}\text{C} - 16^{\circ}\text{C}} = \frac{x_5 - 3.23\text{kW}}{3.51\text{kW} - 3.23\text{kW}}$$

$$\Rightarrow x_5 = 3.32\text{kW}$$

Similarly,

$$y_5 = 3.06\text{kW}$$

$$z_5 = 1.28\text{kW}$$

Repeat the same process for (b) in 2nd Step

$$(c) x_6 = 3.06 \text{ kW}; y_6 = 2.83 \text{ kW}; z_6 = 1.39 \text{ kW}$$

3rd Step:

To obtain the TC, SC & PI for

(a) Indoor Condition: 25°C DB, 17°C WB**Outdoor Condition: 37°C DB**

EWB	EDB	Outdoor temperature									
			35°C			37°C			40°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI
						↓	↓	↓			
25	17	-----	3.32	3.06	1.28	x	y	z	3.06	2.83	1.39

By Interpolation Method

$$\Rightarrow \frac{37^{\circ}\text{C} - 35^{\circ}\text{C}}{40^{\circ}\text{C} - 35^{\circ}\text{C}} = \frac{x - 3.32\text{kW}}{3.06\text{kW} - 3.32\text{kW}}$$

$$\Rightarrow x = 3.22\text{kW}$$

Similarly,

$$y = 2.97\text{kW}$$

$$z = 1.35\text{kW}$$

Performance Tables

R22 Cooling Only

Model: FDM10CXV1 - R10CXV1 / FDB10CXV1 - R10CXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
260 / 225	16°C	21°C	2.62	1.83	0.68	2.53	1.78	0.74	2.44	1.74	0.80	2.34	1.69	0.87	2.15	1.57	0.94	1.98	1.48	1.04
		24°C	2.63	2.19	0.68	2.53	2.14	0.74	2.44	2.09	0.80	2.34	2.04	0.87	2.15	1.91	0.94	1.99	1.80	1.04
		27°C	2.65	2.49	0.69	2.56	2.43	0.74	2.47	2.37	0.80	2.38	2.31	0.87	2.19	2.15	0.95	2.04	2.02	1.04
		30°C	2.73	2.73	0.69	2.65	2.65	0.75	2.57	2.57	0.81	2.49	2.49	0.88	2.30	2.30	0.95	2.16	2.16	1.05
	19°C	24°C	2.89	1.71	0.69	2.79	1.67	0.75	2.69	1.62	0.81	2.58	1.58	0.88	2.37	1.47	0.96	2.19	1.38	1.06
		27°C	2.89	1.96	0.69	2.79	1.91	0.75	2.69	1.87	0.82	2.58	1.82	0.88	2.38	1.71	0.96	2.20	1.62	1.06
		30°C	2.90	2.41	0.70	2.80	2.36	0.75	2.70	2.31	0.82	2.60	2.25	0.88	2.39	2.11	0.96	2.22	2.00	1.06
		33°C	2.93	2.93	0.70	2.84	2.84	0.75	2.75	2.75	0.82	2.65	2.65	0.89	2.45	2.45	0.96	2.29	2.29	1.07
	22°C	27°C	3.18	1.67	0.71	3.07	1.63	0.77	2.96	1.59	0.83	2.84	1.55	0.90	2.62	1.44	0.98	2.42	1.36	1.08
		30°C	3.18	2.04	0.71	3.07	2.00	0.77	2.96	1.95	0.83	2.84	1.90	0.90	2.62	1.78	0.98	2.42	1.69	1.08
		33°C	3.18	2.38	0.71	3.07	2.34	0.77	2.96	2.29	0.83	2.85	2.24	0.90	2.62	2.11	0.98	2.43	2.00	1.08
		36°C	3.20	2.70	0.71	3.09	2.65	0.77	2.98	2.59	0.83	2.87	2.53	0.90	2.65	2.38	0.98	2.46	2.25	1.08
285 / 275	16°C	21°C	2.73	1.91	0.69	2.63	1.86	0.75	2.53	1.81	0.81	2.43	1.76	0.88	2.23	1.64	0.95	2.05	1.54	1.05
		24°C	2.74	2.32	0.69	2.64	2.26	0.75	2.54	2.21	0.81	2.44	2.15	0.88	2.24	2.01	0.95	2.07	1.90	1.05
		27°C	2.77	2.63	0.69	2.68	2.57	0.75	2.58	2.50	0.81	2.49	2.43	0.88	2.30	2.26	0.96	2.14	2.11	1.05
		30°C	2.88	2.88	0.70	2.80	2.80	0.75	2.72	2.72	0.82	2.63	2.63	0.89	2.43	2.43	0.97	2.28	2.28	1.07
	19°C	24°C	3.01	1.81	0.70	2.90	1.76	0.76	2.79	1.71	0.82	2.68	1.67	0.89	2.46	1.55	0.97	2.27	1.46	1.07
		27°C	3.01	2.08	0.70	2.90	2.03	0.76	2.79	1.99	0.82	2.68	1.94	0.89	2.46	1.81	0.97	2.28	1.72	1.07
		30°C	3.02	2.57	0.70	2.92	2.51	0.76	2.81	2.45	0.82	2.71	2.39	0.89	2.49	2.24	0.97	2.31	2.11	1.07
		33°C	3.08	3.08	0.70	2.98	2.98	0.76	2.89	2.89	0.83	2.79	2.79	0.90	2.58	2.58	0.98	2.42	2.42	1.08
	22°C	27°C	3.30	1.77	0.71	3.19	1.73	0.77	3.07	1.68	0.84	2.95	1.64	0.91	2.71	1.53	0.99	2.50	1.44	1.09
		30°C	3.31	2.17	0.71	3.19	2.12	0.77	3.07	2.08	0.84	2.95	2.03	0.91	2.71	1.90	0.99	2.51	1.80	1.09
		33°C	3.31	2.54	0.71	3.20	2.49	0.77	3.08	2.44	0.84	2.96	2.39	0.91	2.72	2.24	0.99	2.52	2.13	1.09
		36°C	3.33	2.87	0.72	3.22	2.82	0.78	3.11	2.76	0.84	3.00	2.70	0.91	2.77	2.52	0.99	2.58	2.38	1.09
300	16°C	21°C	2.83	1.99	0.70	2.72	1.94	0.75	2.62	1.89	0.81	2.51	1.84	0.88	2.30	1.71	0.96	2.12	1.61	1.06
		24°C	2.84	2.42	0.70	2.74	2.36	0.75	2.64	2.30	0.82	2.53	2.24	0.88	2.32	2.09	0.96	2.15	1.97	1.06
		27°C	2.89	2.77	0.70	2.79	2.70	0.76	2.70	2.63	0.82	2.60	2.54	0.89	2.41	2.36	0.97	2.24	2.20	1.07
		30°C	3.03	3.03	0.70	2.94	2.94	0.76	2.85	2.85	0.83	2.76	2.76	0.90	2.56	2.56	0.98	2.39	2.39	1.08
	19°C	24°C	3.11	1.91	0.71	3.00	1.86	0.77	2.89	1.82	0.83	2.77	1.77	0.90	2.54	1.65	0.98	2.35	1.55	1.07
		27°C	3.12	2.21	0.71	3.01	2.16	0.77	2.90	2.11	0.83	2.78	2.06	0.90	2.55	1.92	0.98	2.36	1.82	1.08
		30°C	3.15	2.72	0.71	3.04	2.66	0.77	2.93	2.60	0.83	2.82	2.53	0.90	2.59	2.37	0.98	2.41	2.23	1.08
		33°C	3.22	3.22	0.71	3.12	3.12	0.77	3.03	3.03	0.84	2.93	2.93	0.91	2.71	2.71	0.99	2.54	2.54	1.09
	22°C	27°C	3.42	1.87	0.72	3.29	1.83	0.78	3.17	1.78	0.85	3.04	1.73	0.92	2.80	1.62	0.99	2.58	1.53	1.10
		30°C	3.42	2.30	0.72	3.30	2.26	0.78	3.18	2.21	0.85	3.05	2.16	0.92	2.80	2.02	1.00	2.59	1.92	1.10
		33°C	3.43	2.70	0.72	3.32	2.65	0.78	3.19	2.60	0.85	3.07	2.54	0.92	2.82	2.38	1.00	2.62	2.26	1.10
		36°C	3.47	3.05	0.72	3.36	2.99	0.78	3.24	2.93	0.85	3.12	2.85	0.92	2.89	2.66	1.00	2.69	2.51	1.11

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM15CXV1 - R15CXV1 / FDB15CXV1 - R15CXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
400 / 380	16°C	21°C	3.39	2.34	0.96	3.27	2.28	1.04	3.15	2.22	1.13	3.03	2.15	1.22	2.78	2.00	1.33	2.57	1.88	1.46
		24°C	3.40	2.80	0.96	3.28	2.74	1.04	3.16	2.67	1.13	3.03	2.61	1.22	2.78	2.43	1.33	2.58	2.30	1.46
		27°C	3.43	3.17	0.96	3.31	3.10	1.04	3.20	3.03	1.13	3.08	2.95	1.23	2.84	2.75	1.33	2.64	2.58	1.47
		30°C	3.53	3.53	0.97	3.43	3.43	1.05	3.33	3.33	1.14	3.22	3.22	1.24	2.98	2.98	1.34	2.79	2.79	1.48
	19°C	24°C	3.74	2.18	0.98	3.61	2.13	1.06	3.48	2.07	1.15	3.34	2.01	1.24	3.07	1.87	1.35	2.84	1.77	1.49
		27°C	3.75	2.50	0.98	3.61	2.44	1.06	3.48	2.39	1.15	3.35	2.33	1.24	3.07	2.18	1.35	2.84	2.06	1.49
		30°C	3.75	3.08	0.98	3.62	3.02	1.06	3.50	2.95	1.15	3.36	2.88	1.25	3.10	2.69	1.35	2.87	2.55	1.49
		33°C	3.80	3.80	0.98	3.67	3.67	1.06	3.55	3.55	1.15	3.43	3.43	1.25	3.18	3.18	1.36	2.97	2.97	1.50
	22°C	27°C	4.12	2.14	1.00	3.98	2.08	1.08	3.83	2.03	1.17	3.68	1.98	1.27	3.39	1.84	1.38	3.13	1.74	1.52
		30°C	4.12	2.60	1.00	3.98	2.55	1.08	3.83	2.49	1.17	3.68	2.43	1.27	3.39	2.28	1.38	3.14	2.16	1.52
		33°C	4.12	3.04	1.00	3.98	2.98	1.08	3.84	2.92	1.17	3.69	2.86	1.27	3.39	2.69	1.38	3.14	2.55	1.52
		36°C	4.14	3.45	1.00	4.00	3.38	1.08	3.86	3.31	1.17	3.72	3.24	1.27	3.43	3.03	1.38	3.19	2.88	1.52
490 / 500	16°C	21°C	3.53	2.44	0.97	3.40	2.38	1.05	3.28	2.31	1.14	3.14	2.25	1.23	2.88	2.09	1.34	2.66	1.97	1.47
		24°C	3.54	2.96	0.97	3.42	2.89	1.05	3.29	2.82	1.14	3.15	2.75	1.23	2.90	2.57	1.34	2.68	2.42	1.48
		27°C	3.59	3.36	0.97	3.47	3.28	1.05	3.35	3.20	1.14	3.23	3.10	1.24	2.98	2.88	1.35	2.77	2.70	1.48
		30°C	3.74	3.74	0.98	3.63	3.63	1.06	3.52	3.52	1.15	3.40	3.40	1.25	3.15	3.15	1.36	2.95	2.95	1.50
	19°C	24°C	3.89	2.31	0.99	3.75	2.25	1.07	3.61	2.19	1.16	3.47	2.13	1.26	3.18	1.98	1.36	2.94	1.87	1.50
		27°C	3.90	2.66	0.99	3.76	2.60	1.07	3.62	2.54	1.16	3.47	2.48	1.26	3.19	2.32	1.36	2.95	2.19	1.50
		30°C	3.92	3.28	0.99	3.78	3.21	1.07	3.65	3.14	1.16	3.51	3.06	1.26	3.23	2.86	1.37	2.99	2.70	1.51
		33°C	3.98	3.98	0.99	3.86	3.86	1.07	3.74	3.74	1.17	3.61	3.61	1.27	3.35	3.35	1.38	3.13	3.13	1.52
	22°C	27°C	4.28	2.26	1.01	4.13	2.21	1.09	3.97	2.15	1.18	3.81	2.09	1.28	3.50	1.95	1.39	3.24	1.84	1.53
		30°C	4.28	2.77	1.01	4.13	2.71	1.09	3.98	2.65	1.18	3.82	2.59	1.28	3.51	2.43	1.39	3.25	2.30	1.53
		33°C	4.29	3.25	1.01	4.14	3.19	1.09	3.99	3.12	1.18	3.83	3.05	1.28	3.52	2.86	1.39	3.27	2.72	1.53
		36°C	4.32	3.67	1.01	4.18	3.60	1.09	4.03	3.53	1.18	3.88	3.44	1.29	3.58	3.22	1.40	3.34	3.04	1.54
510 / 540	16°C	21°C	3.66	2.54	0.98	3.53	2.48	1.06	3.39	2.41	1.15	3.25	2.35	1.24	2.98	2.19	1.35	2.75	2.06	1.49
		24°C	3.68	3.09	0.98	3.55	3.02	1.06	3.41	2.94	1.15	3.28	2.87	1.25	3.01	2.68	1.35	2.78	2.52	1.49
		27°C	3.74	3.54	0.98	3.62	3.45	1.06	3.50	3.35	1.15	3.37	3.25	1.25	3.12	3.01	1.36	2.90	2.81	1.50
		30°C	3.93	3.93	0.99	3.81	3.81	1.07	3.70	3.70	1.17	3.57	3.57	1.27	3.31	3.31	1.37	3.09	3.09	1.52
	19°C	24°C	4.03	2.44	1.00	3.89	2.38	1.08	3.74	2.32	1.17	3.59	2.26	1.27	3.29	2.10	1.37	3.04	1.98	1.51
		27°C	4.04	2.82	1.00	3.90	2.76	1.08	3.75	2.69	1.17	3.60	2.63	1.27	3.31	2.46	1.37	3.05	2.33	1.51
		30°C	4.08	3.47	1.00	3.93	3.40	1.08	3.79	3.32	1.17	3.65	3.24	1.27	3.36	3.02	1.38	3.12	2.85	1.52
		33°C	4.16	4.16	1.00	4.04	4.04	1.09	3.92	3.92	1.18	3.79	3.79	1.28	3.51	3.51	1.39	3.28	3.28	1.54
	22°C	27°C	4.42	2.39	1.01	4.27	2.33	1.10	4.11	2.28	1.19	3.94	2.22	1.29	3.62	2.07	1.40	3.35	1.95	1.54
		30°C	4.43	2.94	1.01	4.27	2.89	1.10	4.11	2.82	1.19	3.95	2.76	1.29	3.63	2.58	1.40	3.36	2.45	1.54
		33°C	4.45	3.45	1.02	4.29	3.39	1.10	4.14	3.32	1.19	3.97	3.24	1.29	3.66	3.04	1.40	3.39	2.89	1.55
		36°C	4.49	3.89	1.02	4.35	3.82	1.10	4.20	3.74	1.20	4.05	3.65	1.30	3.74	3.40	1.41	3.49	3.20	1.56

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM20CXV1 - R20CXV1 / FDB20CXV1 - R20CXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
640 / 570	16°C	21°C	5.25	3.62	1.44	5.07	3.53	1.56	4.88	3.43	1.69	4.68	3.33	1.83	4.30	3.10	1.98	3.97	2.92	2.19
		24°C	5.26	4.34	1.44	5.07	4.24	1.56	4.89	4.14	1.69	4.69	4.03	1.83	4.31	3.77	1.98	3.99	3.56	2.19
		27°C	5.30	4.92	1.44	5.13	4.80	1.56	4.95	4.69	1.69	4.76	4.57	1.83	4.39	4.25	1.99	4.09	3.99	2.20
		30°C	5.47	5.47	1.45	5.31	5.31	1.57	5.15	5.15	1.70	4.98	4.98	1.85	4.62	4.62	2.01	4.32	4.32	2.22
	19°C	24°C	5.80	3.38	1.46	5.59	3.29	1.58	5.39	3.21	1.72	5.17	3.12	1.86	4.76	2.90	2.02	4.40	2.73	2.22
		27°C	5.80	3.87	1.46	5.60	3.78	1.58	5.39	3.69	1.72	5.18	3.60	1.86	4.76	3.37	2.02	4.40	3.19	2.23
		30°C	5.81	4.77	1.46	5.61	4.67	1.58	5.41	4.57	1.72	5.20	4.46	1.86	4.79	4.17	2.02	4.45	3.94	2.23
		33°C	5.88	5.88	1.47	5.69	5.69	1.59	5.50	5.50	1.72	5.31	5.31	1.87	4.92	4.92	2.03	4.60	4.60	2.24
	22°C	27°C	6.38	3.31	1.49	6.16	3.23	1.61	5.93	3.15	1.75	5.70	3.06	1.90	5.24	2.85	2.06	4.85	2.69	2.27
		30°C	6.38	4.03	1.49	6.16	3.95	1.61	5.93	3.86	1.75	5.70	3.76	1.90	5.24	3.52	2.06	4.85	3.34	2.27
		33°C	6.38	4.71	1.49	6.16	4.62	1.61	5.94	4.53	1.75	5.70	4.43	1.90	5.25	4.16	2.06	4.87	3.95	2.27
		36°C	6.40	5.34	1.49	6.19	5.23	1.62	5.98	5.12	1.75	5.76	5.01	1.90	5.31	4.70	2.06	4.94	4.46	2.28
675 / 640	16°C	21°C	5.47	3.77	1.45	5.27	3.68	1.57	5.07	3.58	1.70	4.86	3.48	1.84	4.46	3.24	2.00	4.11	3.05	2.21
		24°C	5.48	4.58	1.45	5.28	4.47	1.57	5.09	4.37	1.70	4.88	4.26	1.85	4.48	3.97	2.00	4.15	3.75	2.21
		27°C	5.55	5.20	1.46	5.36	5.08	1.58	5.18	4.95	1.71	4.99	4.80	1.85	4.61	4.46	2.01	4.29	4.17	2.22
		30°C	5.78	5.78	1.47	5.61	5.61	1.59	5.44	5.44	1.72	5.26	5.26	1.87	4.88	4.88	2.03	4.56	4.56	2.24
	19°C	24°C	6.02	3.57	1.48	5.81	3.48	1.60	5.59	3.39	1.73	5.36	3.30	1.88	4.93	3.07	2.04	4.55	2.89	2.24
		27°C	6.03	4.11	1.48	5.82	4.02	1.60	5.60	3.93	1.73	5.37	3.84	1.88	4.94	3.59	2.04	4.56	3.40	2.25
		30°C	6.06	5.07	1.48	5.85	4.96	1.60	5.64	4.85	1.74	5.42	4.73	1.88	4.99	4.42	2.04	4.63	4.18	2.25
		33°C	6.16	6.16	1.48	5.97	5.97	1.61	5.78	5.78	1.74	5.59	5.59	1.89	5.18	5.18	2.06	4.84	4.84	2.27
	22°C	27°C	6.62	3.49	1.50	6.38	3.41	1.63	6.15	3.33	1.77	5.90	3.24	1.91	5.42	3.02	2.08	5.02	2.85	2.29
		30°C	6.62	4.29	1.50	6.39	4.20	1.63	6.15	4.11	1.77	5.91	4.01	1.92	5.43	3.76	2.08	5.02	3.56	2.29
		33°C	6.64	5.03	1.50	6.40	4.93	1.63	6.17	4.83	1.77	5.93	4.73	1.92	5.45	4.43	2.08	5.05	4.21	2.29
		36°C	6.68	5.68	1.51	6.46	5.57	1.63	6.24	5.46	1.77	6.01	5.33	1.92	5.54	4.99	2.09	5.17	4.71	2.30
700 / 650	16°C	21°C	5.67	3.94	1.46	5.46	3.84	1.58	5.25	3.73	1.72	5.03	3.63	1.86	4.62	3.38	2.02	4.25	3.18	2.22
		24°C	5.70	4.78	1.47	5.49	4.67	1.59	5.28	4.55	1.72	5.07	4.44	1.86	4.66	4.14	2.02	4.30	3.90	2.23
		27°C	5.79	5.48	1.47	5.60	5.34	1.59	5.41	5.19	1.72	5.22	5.03	1.87	4.82	4.66	2.03	4.49	4.35	2.24
		30°C	6.08	6.08	1.48	5.90	5.90	1.61	5.72	5.72	1.74	5.53	5.53	1.89	5.12	5.12	2.06	4.78	4.78	2.27
	19°C	24°C	6.24	3.78	1.49	6.01	3.68	1.61	5.78	3.59	1.75	5.55	3.49	1.89	5.09	3.25	2.05	4.70	3.07	2.26
		27°C	6.26	4.37	1.49	6.03	4.27	1.61	5.80	4.17	1.75	5.57	4.07	1.90	5.11	3.80	2.06	4.73	3.60	2.26
		30°C	6.31	5.38	1.49	6.08	5.26	1.62	5.87	5.14	1.75	5.64	5.01	1.90	5.19	4.68	2.06	4.82	4.41	2.27
		33°C	6.44	6.44	1.50	6.26	6.26	1.63	6.06	6.06	1.76	5.86	5.86	1.92	5.43	5.43	2.08	5.08	5.08	2.30
	22°C	27°C	6.84	3.69	1.52	6.60	3.61	1.64	6.35	3.52	1.78	6.10	3.43	1.93	5.60	3.20	2.09	5.18	3.02	2.31
		30°C	6.86	4.55	1.52	6.61	4.47	1.64	6.37	4.37	1.78	6.11	4.27	1.93	5.61	4.00	2.10	5.19	3.79	2.31
		33°C	6.88	5.34	1.52	6.64	5.24	1.65	6.40	5.13	1.78	6.15	5.02	1.94	5.66	4.70	2.10	5.24	4.46	2.31
		36°C	6.94	6.02	1.52	6.73	5.92	1.65	6.49	5.79	1.79	6.26	5.64	1.94	5.78	5.26	2.11	5.40	4.95	2.33

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM25CXV1 - R25CXV1 / FDB25CXV1 - R25CXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
580	16°C	21°C	6.50	4.35	1.99	6.27	4.24	2.15	6.03	4.12	2.33	5.79	4.01	2.52	5.32	3.73	2.74	4.91	3.51	3.02
		24°C	6.51	5.21	1.99	6.27	5.09	2.15	6.04	4.97	2.33	5.80	4.85	2.53	5.33	4.53	2.74	4.93	4.27	3.02
		27°C	6.56	5.91	1.99	6.34	5.77	2.15	6.12	5.64	2.33	5.89	5.49	2.53	5.43	5.11	2.75	5.05	4.80	3.03
		30°C	6.76	6.76	2.00	6.56	6.56	2.17	6.37	6.37	2.35	6.16	6.16	2.55	5.71	5.71	2.77	5.34	5.34	3.06
	19°C	24°C	7.17	4.06	2.02	6.92	3.96	2.19	6.66	3.85	2.37	6.40	3.75	2.57	5.88	3.49	2.79	5.44	3.29	3.07
		27°C	7.17	4.65	2.02	6.92	4.54	2.19	6.67	4.44	2.37	6.40	4.33	2.57	5.89	4.05	2.79	5.44	3.84	3.07
		30°C	7.18	5.74	2.02	6.93	5.61	2.19	6.69	5.49	2.37	6.44	5.36	2.57	5.93	5.01	2.79	5.50	4.74	3.08
		33°C	7.27	7.27	2.02	7.03	7.03	2.19	6.80	6.80	2.38	6.57	6.57	2.58	6.08	6.08	2.80	5.68	5.68	3.10
	22°C	27°C	7.88	3.98	2.06	7.61	3.88	2.23	7.33	3.78	2.41	7.05	3.68	2.62	6.48	3.43	2.84	6.00	3.23	3.13
		30°C	7.89	4.85	2.06	7.61	4.74	2.23	7.34	4.64	2.41	7.05	4.53	2.62	6.48	4.24	2.84	6.00	4.02	3.13
		33°C	7.89	5.66	2.06	7.62	5.55	2.23	7.34	5.44	2.42	7.05	5.33	2.62	6.49	5.00	2.84	6.02	4.75	3.13
		36°C	7.92	6.42	2.06	7.66	6.29	2.23	7.39	6.16	2.42	7.12	6.02	2.62	6.57	5.65	2.85	6.11	5.36	3.14
660 / 720	16°C	21°C	6.76	4.54	2.01	6.52	4.42	2.17	6.27	4.30	2.35	6.01	4.18	2.55	5.52	3.89	2.76	5.09	3.67	3.04
		24°C	6.78	5.51	2.01	6.54	5.38	2.17	6.29	5.25	2.35	6.04	5.12	2.55	5.55	4.78	2.77	5.13	4.51	3.05
		27°C	6.86	6.26	2.01	6.63	6.11	2.18	6.40	5.95	2.36	6.17	5.78	2.56	5.70	5.37	2.78	5.31	5.02	3.07
		30°C	7.15	7.15	2.03	6.94	6.94	2.19	6.73	6.73	2.38	6.51	6.51	2.58	6.03	6.03	2.81	5.64	5.64	3.10
	19°C	24°C	7.45	4.29	2.04	7.18	4.19	2.21	6.91	4.08	2.39	6.63	3.96	2.59	6.09	3.69	2.81	5.63	3.48	3.10
		27°C	7.46	4.95	2.04	7.19	4.84	2.21	6.92	4.73	2.39	6.65	4.61	2.59	6.11	4.31	2.81	5.65	4.08	3.10
		30°C	7.50	6.10	2.04	7.23	5.97	2.21	6.98	5.84	2.40	6.71	5.69	2.60	6.18	5.32	2.82	5.73	5.03	3.11
		33°C	7.62	7.62	2.05	7.39	7.39	2.22	7.15	7.15	2.41	6.92	6.92	2.61	6.41	6.41	2.84	5.99	5.99	3.14
	22°C	27°C	8.18	4.20	2.08	7.89	4.11	2.25	7.60	4.00	2.44	7.30	3.89	2.64	6.71	3.63	2.87	6.20	3.43	3.16
		30°C	8.19	5.16	2.08	7.90	5.05	2.25	7.61	4.94	2.44	7.31	4.82	2.64	6.72	4.52	2.87	6.21	4.29	3.16
		33°C	8.21	6.04	2.08	7.92	5.93	2.25	7.63	5.81	2.44	7.33	5.68	2.65	6.74	5.33	2.87	6.25	5.06	3.16
		36°C	8.26	6.83	2.08	7.99	6.70	2.26	7.71	6.56	2.45	7.43	6.41	2.65	6.86	6.00	2.88	6.39	5.66	3.18
730 / 770	16°C	21°C	7.01	4.74	2.02	6.75	4.62	2.19	6.49	4.49	2.37	6.22	4.37	2.57	5.71	4.07	2.78	5.26	3.83	3.07
		24°C	7.05	5.75	2.02	6.79	5.62	2.19	6.53	5.48	2.37	6.27	5.34	2.57	5.76	4.98	2.79	5.32	4.70	3.07
		27°C	7.16	6.59	2.03	6.93	6.42	2.20	6.69	6.24	2.38	6.45	6.05	2.58	5.96	5.61	2.81	5.56	5.23	3.10
		30°C	7.52	7.52	2.05	7.30	7.30	2.22	7.07	7.07	2.41	6.84	6.84	2.61	6.33	6.33	2.84	5.92	5.92	3.13
	19°C	24°C	7.72	4.54	2.06	7.44	4.43	2.22	7.15	4.32	2.41	6.86	4.20	2.61	6.30	3.91	2.83	5.81	3.69	3.12
		27°C	7.74	5.26	2.06	7.46	5.13	2.23	7.18	5.01	2.41	6.89	4.89	2.62	6.33	4.58	2.84	5.85	4.33	3.13
		30°C	7.80	6.47	2.06	7.53	6.33	2.23	7.26	6.18	2.42	6.98	6.03	2.62	6.42	5.63	2.85	5.96	5.31	3.14
		33°C	7.97	7.97	2.07	7.74	7.74	2.24	7.50	7.50	2.43	7.25	7.25	2.64	6.72	6.72	2.87	6.28	6.28	3.17
	22°C	27°C	8.47	4.44	2.09	8.17	4.35	2.27	7.86	4.24	2.46	7.54	4.13	2.67	6.93	3.85	2.89	6.40	3.64	3.18
		30°C	8.48	5.48	2.09	8.18	5.37	2.27	7.87	5.26	2.46	7.56	5.14	2.67	6.94	4.81	2.89	6.42	4.56	3.19
		33°C	8.51	6.42	2.10	8.22	6.31	2.27	7.92	6.17	2.46	7.61	6.04	2.67	7.00	5.66	2.90	6.48	5.37	3.19
		36°C	8.59	7.25	2.10	8.32	7.12	2.28	8.03	6.96	2.47	7.74	6.79	2.68	7.15	6.33	2.91	6.67	5.96	3.21

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM28CXV1 - R28CXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
710	16°C	21°C	7.46	4.86	2.35	7.20	4.73	2.54	6.93	4.60	2.75	6.65	4.47	2.98	6.11	4.16	3.24	5.64	3.91	3.57
		24°C	7.47	5.82	2.35	7.21	5.68	2.54	6.94	5.55	2.75	6.66	5.41	2.98	6.12	5.06	3.24	5.66	4.77	3.57
		27°C	7.53	6.60	2.35	7.28	6.45	2.54	7.02	6.29	2.76	6.76	6.13	2.99	6.24	5.71	3.25	5.80	5.36	3.58
		30°C	7.76	7.76	2.36	7.54	7.54	2.56	7.31	7.31	2.78	7.07	7.07	3.01	6.56	6.56	3.27	6.14	6.14	3.62
	19°C	24°C	8.23	4.54	2.39	7.94	4.42	2.58	7.65	4.30	2.80	7.35	4.18	3.03	6.75	3.89	3.29	6.24	3.67	3.63
		27°C	8.24	5.19	2.39	7.95	5.07	2.58	7.65	4.96	2.80	7.35	4.84	3.03	6.76	4.52	3.29	6.25	4.29	3.63
		30°C	8.25	6.40	2.39	7.96	6.27	2.58	7.68	6.13	2.80	7.39	5.98	3.04	6.80	5.59	3.30	6.31	5.29	3.63
		33°C	8.35	8.35	2.39	8.07	8.07	2.59	7.81	7.81	2.81	7.55	7.55	3.05	6.98	6.98	3.31	6.53	6.53	3.66
	22°C	27°C	9.05	4.44	2.43	8.74	4.33	2.63	8.42	4.22	2.85	8.09	4.11	3.09	7.44	3.83	3.36	6.89	3.61	3.70
		30°C	9.06	5.41	2.43	8.74	5.30	2.63	8.42	5.17	2.85	8.09	5.05	3.09	7.44	4.73	3.36	6.89	4.48	3.70
		33°C	9.06	6.32	2.43	8.75	6.20	2.63	8.43	6.08	2.85	8.10	5.95	3.09	7.45	5.59	3.36	6.91	5.31	3.70
		36°C	9.09	7.17	2.43	8.79	7.02	2.63	8.49	6.88	2.86	8.18	6.72	3.10	7.54	6.30	3.36	7.01	5.98	3.71
770	16°C	21°C	7.76	5.06	2.37	7.48	4.93	2.56	7.20	4.80	2.77	6.90	4.67	3.01	6.33	4.35	3.26	5.84	4.09	3.60
		24°C	7.78	6.15	2.37	7.50	6.00	2.56	7.22	5.86	2.78	6.93	5.71	3.01	6.37	5.33	3.27	5.89	5.03	3.60
		27°C	7.88	6.98	2.38	7.61	6.82	2.57	7.35	6.64	2.79	7.09	6.45	3.02	6.54	5.99	3.28	6.10	5.60	3.62
		30°C	8.21	8.21	2.39	7.97	7.97	2.59	7.73	7.73	2.81	7.48	7.48	3.05	6.93	6.93	3.31	6.47	6.47	3.66
	19°C	24°C	8.55	4.79	2.41	8.25	4.67	2.61	7.94	4.55	2.82	7.62	4.42	3.06	7.00	4.12	3.32	6.46	3.89	3.66
		27°C	8.57	5.52	2.41	8.26	5.40	2.61	7.95	5.27	2.82	7.63	5.15	3.06	7.01	4.81	3.32	6.48	4.56	3.66
		30°C	8.61	6.81	2.41	8.31	6.66	2.61	8.01	6.51	2.83	7.70	6.35	3.07	7.09	5.94	3.33	6.58	5.61	3.67
		33°C	8.75	8.75	2.42	8.48	8.48	2.62	8.21	8.21	2.84	7.94	7.94	3.09	7.35	7.35	3.35	6.88	6.88	3.70
	22°C	27°C	9.39	4.69	2.45	9.06	4.58	2.66	8.73	4.46	2.88	8.38	4.34	3.12	7.70	4.05	3.39	7.12	3.82	3.73
		30°C	9.41	5.76	2.45	9.07	5.64	2.66	8.74	5.51	2.88	8.39	5.38	3.12	7.71	5.04	3.39	7.13	4.78	3.73
		33°C	9.42	6.75	2.45	9.10	6.62	2.66	8.76	6.48	2.88	8.42	6.34	3.13	7.74	5.95	3.39	7.18	5.65	3.74
		36°C	9.48	7.62	2.46	9.17	7.48	2.66	8.85	7.32	2.89	8.53	7.15	3.14	7.87	6.69	3.40	7.34	6.32	3.75
810	16°C	21°C	8.05	5.28	2.39	7.75	5.15	2.58	7.45	5.01	2.80	7.15	4.87	3.03	6.55	4.54	3.29	6.04	4.27	3.62
		24°C	8.09	6.42	2.39	7.80	6.27	2.59	7.50	6.11	2.80	7.20	5.95	3.04	6.61	5.56	3.29	6.11	5.24	3.63
		27°C	8.22	7.36	2.40	7.95	7.17	2.60	7.68	6.97	2.81	7.41	6.75	3.05	6.84	6.25	3.31	6.38	5.84	3.66
		30°C	8.63	8.63	2.42	8.38	8.38	2.62	8.12	8.12	2.84	7.85	7.85	3.09	7.27	7.27	3.35	6.79	6.79	3.70
	19°C	24°C	8.86	5.07	2.43	8.54	4.94	2.63	8.21	4.82	2.85	7.88	4.69	3.09	7.23	4.37	3.35	6.67	4.12	3.69
		27°C	8.88	5.86	2.43	8.56	5.73	2.63	8.24	5.59	2.85	7.91	5.46	3.09	7.26	5.10	3.35	6.71	4.83	3.69
		30°C	8.96	7.22	2.43	8.64	7.06	2.64	8.33	6.90	2.86	8.01	6.72	3.10	7.38	6.28	3.36	6.85	5.92	3.71
		33°C	9.15	9.15	2.45	8.88	8.88	2.65	8.61	8.61	2.88	8.33	8.33	3.12	7.71	7.71	3.39	7.21	7.21	3.75
	22°C	27°C	9.72	4.96	2.47	9.37	4.85	2.68	9.02	4.73	2.90	8.66	4.60	3.15	7.95	4.29	3.41	7.35	4.06	3.76
		30°C	9.74	6.11	2.47	9.39	6.00	2.68	9.04	5.87	2.91	8.68	5.73	3.15	7.97	5.37	3.42	7.37	5.09	3.76
		33°C	9.77	7.16	2.48	9.44	7.04	2.68	9.09	6.89	2.91	8.73	6.74	3.16	8.03	6.31	3.42	7.44	5.99	3.77
		36°C	9.86	8.09	2.48	9.55	7.94	2.69	9.22	7.77	2.92	8.89	7.57	3.17	8.21	7.06	3.44	7.66	6.65	3.80
850	16°C	21°C	8.04	5.33	2.41	7.76	5.20	2.60	7.48	5.07	2.81	7.18	4.94	3.05	6.60	4.60	3.33	6.10	4.34	3.70
		24°C	8.07	6.51	2.41	7.78	6.37	2.60	7.50	6.24	2.81	7.21	6.09	3.05	6.63	5.69	3.33	6.14	5.37	3.70
		27°C	8.21	7.47	2.42	7.95	7.28	2.61	7.70	7.09	2.82	7.44	6.88	3.07	6.89	6.50	3.35	6.44	6.13	3.72
		30°C	8.65	8.65	2.44	8.40	8.40	2.63	8.16	8.16	2.85	7.91	7.91	3.10	7.34	7.34	3.38	6.87	6.87	3.76
	19°C	24°C	8.85	5.11	2.45	8.55	4.99	2.64	8.24	4.87	2.86	7.92	4.74	3.10	7.29	4.43	3.38	6.74	4.19	3.75
		27°C	8.88	5.93	2.45	8.57	5.80	2.64	8.26	5.68	2.86	7.94	5.55	3.10	7.31	5.21	3.38	6.76	4.94	3.75
		30°C	8.92	7.36	2.46	8.62	7.20	2.65	8.33	7.05	2.86	8.03	6.88	3.11	7.42	6.43	3.39	6.91	6.06	3.76
		33°C	9.16	9.16	2.47	8.90	8.90	2.66	8.65	8.65	2.88	8.39	8.39	3.13	7.79	7.79	3.42	7.30	7.30	3.80
	22°C	27°C	9.73	5.01	2.50	9.39	4.90	2.69	9.07	4.78	2.91	8.72	4.66	3.16	8.03	4.36	3.44	7.44	4.12	3.81
		30°C	9.75	6.20	2.50	9.42	6.07	2.69	9.08	5.94	2.91	8.74	5.82	3.16	8.05	5.46	3.44	7.46	5.19	3.81
		33°C	9.77	7.30	2.50	9.44	7.17	2.69	9.10	7.04	2.91	8.77	6.91	3.16	8.08	6.49	3.44	7.51	6.17	3.82
		36°C	9.87	8.28	2.51	9.55	8.11	2.70	9.24	7.94	2.92	8.94	7.75	3.18	8.28	7.24	3.46	7.75	6.83	3.84

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM28CXV1 - R30DXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
710	16°C	21°C	8.00	4.57	2.62	7.71	4.46	2.62	7.41	4.34	2.67	7.11	4.22	2.75	6.79	4.10	2.92	6.40	3.94	3.17
		24°C	8.03	5.55	2.62	7.74	5.43	2.62	7.44	5.31	2.68	7.14	5.18	2.75	6.83	5.05	2.92	6.44	4.88	3.17
		27°C	8.13	6.41	2.62	7.86	6.26	2.63	7.60	6.09	2.68	7.33	5.91	2.76	7.06	5.70	2.94	6.73	5.44	3.20
		30°C	8.54	6.88	2.64	8.30	6.68	2.65	8.04	6.48	2.71	7.78	6.28	2.79	7.51	6.06	2.97	7.16	5.79	3.23
	19°C	24°C	8.80	4.56	2.65	8.49	4.44	2.66	8.17	4.33	2.72	7.84	4.21	2.79	7.49	4.09	2.97	7.07	3.95	3.22
		27°C	8.83	5.56	2.65	8.51	5.44	2.66	8.19	5.32	2.72	7.86	5.19	2.80	7.52	5.07	2.98	7.09	4.91	3.23
		30°C	8.87	6.50	2.65	8.55	6.37	2.66	8.25	6.24	2.72	7.93	6.09	2.80	7.61	5.94	2.98	7.21	5.73	3.24
		33°C	9.05	7.25	2.66	8.78	7.06	2.68	8.52	6.86	2.74	8.25	6.65	2.82	7.96	6.43	3.01	7.61	6.15	3.27
	22°C	27°C	9.66	4.51	2.69	9.32	4.40	2.71	8.97	4.29	2.77	8.61	4.18	2.85	8.24	4.07	3.03	7.78	3.92	3.29
		30°C	9.68	5.53	2.69	9.34	5.42	2.71	8.99	5.30	2.77	8.64	5.18	2.85	8.27	5.06	3.03	7.81	4.91	3.29
		33°C	9.71	6.49	2.69	9.37	6.37	2.71	9.02	6.25	2.77	8.66	6.13	2.85	8.30	6.00	3.04	7.85	5.84	3.29
		36°C	9.77	7.39	2.69	9.44	7.24	2.71	9.12	7.10	2.78	8.79	6.94	2.86	8.46	6.75	3.05	8.07	6.50	3.32
770	16°C	21°C	8.21	4.82	2.63	7.91	4.69	2.64	7.60	4.57	2.69	7.29	4.44	2.76	6.96	4.31	2.94	6.56	4.14	3.18
		24°C	8.24	5.85	2.63	7.94	5.72	2.64	7.63	5.59	2.69	7.32	5.45	2.76	7.00	5.31	2.94	6.60	5.12	3.19
		27°C	8.34	6.76	2.63	8.06	6.59	2.64	7.79	6.41	2.70	7.52	6.21	2.77	7.24	6.00	2.96	6.90	5.71	3.21
		30°C	8.77	7.25	2.65	8.51	7.04	2.67	8.25	6.82	2.73	7.98	6.60	2.81	7.70	6.37	2.99	7.34	6.09	3.25
	19°C	24°C	9.03	4.80	2.66	8.70	4.68	2.67	8.37	4.56	2.73	8.04	4.43	2.81	7.68	4.30	2.99	7.25	4.15	3.24
		27°C	9.06	5.86	2.66	8.73	5.73	2.68	8.40	5.60	2.73	8.06	5.46	2.81	7.71	5.33	2.99	7.27	5.16	3.24
		30°C	9.10	6.85	2.67	8.77	6.71	2.68	8.46	6.57	2.74	8.13	6.41	2.81	7.80	6.24	3.00	7.39	6.02	3.25
		33°C	9.28	7.63	2.67	9.00	7.44	2.69	8.73	7.22	2.75	8.45	7.00	2.84	8.16	6.76	3.03	7.80	6.46	3.29
	22°C	27°C	9.91	4.75	2.70	9.56	4.64	2.72	9.20	4.52	2.78	8.83	4.40	2.86	8.45	4.28	3.05	7.98	4.12	3.31
		30°C	9.94	5.83	2.70	9.58	5.70	2.72	9.22	5.58	2.78	8.85	5.45	2.87	8.47	5.32	3.05	8.00	5.15	3.31
		33°C	9.96	6.84	2.70	9.61	6.71	2.72	9.25	6.58	2.79	8.88	6.45	2.87	8.51	6.31	3.05	8.04	6.13	3.31
		36°C	10.03	7.78	2.71	9.69	7.63	2.73	9.35	7.47	2.79	9.01	7.30	2.88	8.67	7.10	3.07	8.27	6.83	3.33
810	16°C	21°C	8.35	5.00	2.64	8.05	4.87	2.65	7.74	4.74	2.70	7.42	4.60	2.77	7.09	4.46	2.95	6.67	4.28	3.20
		24°C	8.39	6.07	2.64	8.08	5.93	2.65	7.77	5.79	2.70	7.45	5.65	2.77	7.13	5.50	2.95	6.72	5.30	3.20
		27°C	8.49	7.01	2.64	8.21	6.83	2.65	7.93	6.64	2.71	7.65	6.44	2.78	7.37	6.21	2.97	7.02	5.91	3.22
		30°C	8.92	7.52	2.66	8.66	7.30	2.68	8.40	7.07	2.74	8.12	6.84	2.82	7.83	6.60	3.00	7.47	6.30	3.26
	19°C	24°C	9.19	4.98	2.67	8.86	4.85	2.68	8.52	4.72	2.74	8.18	4.59	2.82	7.82	4.46	3.00	7.37	4.29	3.25
		27°C	9.22	6.07	2.67	8.89	5.94	2.69	8.55	5.80	2.74	8.21	5.66	2.82	7.85	5.52	3.00	7.40	5.34	3.26
		30°C	9.26	7.10	2.68	8.93	6.96	2.69	8.61	6.81	2.75	8.28	6.64	2.83	7.94	6.47	3.01	7.52	6.23	3.27
		33°C	9.45	7.92	2.68	9.17	7.71	2.70	8.89	7.49	2.76	8.60	7.25	2.85	8.31	7.00	3.04	7.94	6.69	3.30
	22°C	27°C	10.09	4.93	2.71	9.73	4.81	2.73	9.36	4.69	2.79	8.99	4.56	2.87	8.60	4.43	3.06	8.12	4.27	3.32
		30°C	10.12	6.05	2.71	9.75	5.91	2.73	9.39	5.78	2.79	9.01	5.65	2.88	8.62	5.51	3.06	8.14	5.33	3.32
		33°C	10.14	7.09	2.71	9.78	6.96	2.73	9.41	6.82	2.80	9.04	6.68	2.88	8.66	6.54	3.06	8.18	6.35	3.32
		36°C	10.21	8.07	2.72	9.86	7.91	2.74	9.52	7.74	2.80	9.17	7.56	2.89	8.83	7.35	3.08	8.42	7.07	3.35
850	16°C	21°C	8.45	5.12	2.64	8.14	4.99	2.65	7.83	4.85	2.70	7.51	4.71	2.78	7.17	4.56	2.95	6.75	4.38	3.20
		24°C	8.49	6.22	2.65	8.17	6.07	2.65	7.86	5.93	2.71	7.54	5.78	2.78	7.21	5.63	2.96	6.80	5.42	3.20
		27°C	8.59	7.18	2.65	8.30	7.00	2.66	8.02	6.80	2.71	7.74	6.59	2.79	7.45	6.35	2.97	7.10	6.05	3.23
		30°C	9.03	7.70	2.67	8.76	7.47	2.68	8.49	7.24	2.74	8.22	7.00	2.82	7.93	6.76	3.01	7.56	6.44	3.27
	19°C	24°C	9.30	5.10	2.68	8.96	4.97	2.69	8.62	4.84	2.75	8.27	4.70	2.83	7.91	4.56	3.01	7.46	4.39	3.26
		27°C	9.33	6.22	2.68	8.99	6.08	2.69	8.65	5.94	2.75	8.30	5.80	2.83	7.94	5.65	3.01	7.49	5.46	3.26
		30°C	9.37	7.28	2.68	9.03	7.13	2.69	8.71	6.97	2.75	8.37	6.80	2.83	8.03	6.62	3.01	7.61	6.38	3.27
		33°C	9.56	8.12	2.69	9.27	7.90	2.71	8.99	7.67	2.77	8.71	7.42	2.85	8.40	7.16	3.04	8.03	6.84	3.31
	22°C	27°C	10.21	5.05	2.72	9.84	4.93	2.74	9.47	4.80	2.80	9.10	4.67	2.88	8.70	4.53	3.07	8.22	4.36	3.32
		30°C	10.23	6.20	2.72	9.87	6.06	2.74	9.50	5.92	2.80	9.12	5.78	2.88	8.73	5.63	3.07	8.24	5.46	3.33
		33°C	10.26	7.27	2.72	9.89	7.13	2.74	9.52	6.99	2.80	9.14	6.84	2.88	8.76	6.69	3.07	8.28	6.49	3.33
		36°C	10.33	8.27	2.72	9.97	8.10	2.74	9.63	7.93	2.81	9.28	7.74	2.89	8.93	7.52	3.08	8.52	7.23	3.35

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM30CXV1 - R28CXV1 / FDB30CXV1 - R28CXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
710 / 740	16°C	21°C	7.74	5.77	2.40	7.47	5.62	2.59	7.19	5.47	2.81	6.90	5.31	3.04	6.34	4.94	3.30	5.85	4.65	3.64
		24°C	7.75	6.91	2.40	7.47	6.75	2.59	7.20	6.59	2.81	6.91	6.43	3.04	6.35	6.01	3.30	5.87	5.67	3.64
		27°C	7.81	7.81	2.40	7.55	7.55	2.60	7.29	7.29	2.81	7.01	7.01	3.05	6.47	6.47	3.31	6.02	6.02	3.65
		30°C	8.05	8.05	2.41	7.82	7.82	2.61	7.58	7.58	2.83	7.34	7.34	3.07	6.80	6.80	3.34	6.36	6.36	3.69
	19°C	24°C	8.54	5.39	2.43	8.24	5.25	2.63	7.94	5.11	2.85	7.62	4.97	3.10	7.00	4.63	3.36	6.48	4.36	3.70
		27°C	8.54	6.16	2.43	8.24	6.02	2.63	7.94	5.89	2.86	7.63	5.74	3.10	7.01	5.37	3.36	6.48	5.09	3.70
		30°C	8.56	7.61	2.43	8.26	7.44	2.64	7.97	7.28	2.86	7.67	7.10	3.10	7.06	6.64	3.36	6.55	6.29	3.71
		33°C	8.66	8.66	2.44	8.38	8.38	2.64	8.10	8.10	2.87	7.83	7.83	3.11	7.24	7.24	3.38	6.77	6.77	3.73
	22°C	27°C	9.39	5.27	2.48	9.07	5.15	2.68	8.74	5.02	2.91	8.40	4.88	3.16	7.72	4.55	3.42	7.15	4.29	3.77
		30°C	9.40	6.43	2.48	9.07	6.29	2.68	8.74	6.15	2.91	8.40	6.00	3.16	7.72	5.62	3.42	7.15	5.33	3.77
		33°C	9.40	7.50	2.48	9.07	7.36	2.68	8.74	7.22	2.91	8.40	7.07	3.16	7.73	6.63	3.43	7.17	6.30	3.78
		36°C	9.43	8.51	2.48	9.12	8.34	2.69	8.80	8.17	2.92	8.48	7.99	3.16	7.82	7.49	3.43	7.27	7.10	3.79
760 / 790	16°C	21°C	8.05	6.01	2.42	7.76	5.86	2.61	7.47	5.70	2.83	7.16	5.54	3.07	6.57	5.16	3.33	6.06	4.86	3.67
		24°C	8.08	7.30	2.42	7.78	7.13	2.62	7.49	6.96	2.83	7.19	6.78	3.07	6.61	6.33	3.33	6.11	5.97	3.67
		27°C	8.17	8.17	2.42	7.90	7.90	2.62	7.63	7.63	2.84	7.35	7.35	3.08	6.79	6.79	3.35	6.32	6.32	3.69
		30°C	8.51	8.51	2.44	8.27	8.27	2.64	8.01	8.01	2.87	7.75	7.75	3.11	7.18	7.18	3.38	6.72	6.72	3.73
	19°C	24°C	8.87	5.69	2.46	8.55	5.55	2.66	8.23	5.40	2.88	7.90	5.25	3.12	7.26	4.90	3.39	6.70	4.61	3.73
		27°C	8.89	6.55	2.46	8.57	6.41	2.66	8.25	6.26	2.88	7.92	6.12	3.13	7.27	5.72	3.39	6.72	5.41	3.74
		30°C	8.93	8.08	2.46	8.62	7.91	2.66	8.31	7.73	2.89	7.99	7.54	3.13	7.36	7.05	3.40	6.83	6.66	3.75
		33°C	9.08	9.08	2.47	8.80	8.80	2.67	8.52	8.52	2.90	8.24	8.24	3.15	7.63	7.63	3.42	7.13	7.13	3.78
	22°C	27°C	9.75	5.57	2.50	9.40	5.44	2.71	9.05	5.30	2.94	8.69	5.16	3.19	7.99	4.81	3.46	7.39	4.54	3.81
		30°C	9.76	6.84	2.50	9.41	6.69	2.71	9.06	6.55	2.94	8.70	6.39	3.19	8.00	5.99	3.46	7.40	5.68	3.81
		33°C	9.77	8.01	2.50	9.44	7.86	2.71	9.09	7.70	2.94	8.73	7.53	3.19	8.03	7.07	3.46	7.45	6.71	3.81
		36°C	9.84	9.06	2.51	9.52	8.88	2.72	9.19	8.70	2.95	8.85	8.50	3.20	8.17	7.95	3.47	7.61	7.50	3.83
830 / 880	16°C	21°C	8.35	6.28	2.44	8.04	6.12	2.64	7.73	5.95	2.85	7.41	5.79	3.09	6.80	5.39	3.36	6.27	5.07	3.70
		24°C	8.39	7.63	2.44	8.09	7.44	2.64	7.78	7.26	2.86	7.47	7.07	3.10	6.86	6.60	3.36	6.34	6.22	3.70
		27°C	8.53	8.53	2.45	8.25	8.25	2.65	7.97	7.97	2.87	7.68	7.68	3.11	7.10	7.10	3.38	6.62	6.62	3.73
		30°C	8.95	8.95	2.47	8.69	8.69	2.67	8.42	8.42	2.90	8.15	8.15	3.15	7.54	7.54	3.42	7.05	7.05	3.78
	19°C	24°C	9.19	6.02	2.48	8.86	5.87	2.68	8.52	5.72	2.90	8.17	5.56	3.15	7.50	5.19	3.42	6.92	4.89	3.76
		27°C	9.22	6.96	2.48	8.88	6.80	2.68	8.55	6.65	2.91	8.21	6.48	3.15	7.53	6.06	3.42	6.96	5.74	3.77
		30°C	9.29	8.57	2.48	8.96	8.38	2.69	8.64	8.19	2.91	8.31	7.99	3.16	7.65	7.46	3.43	7.10	7.03	3.78
		33°C	9.49	9.49	2.50	9.22	9.22	2.70	8.93	8.93	2.93	8.64	8.64	3.19	8.00	8.00	3.46	7.48	7.48	3.82
	22°C	27°C	10.08	5.89	2.52	9.72	5.76	2.73	9.36	5.61	2.96	8.98	5.47	3.21	8.25	5.10	3.48	7.63	4.82	3.84
		30°C	10.10	7.26	2.53	9.74	7.12	2.74	9.38	6.97	2.96	9.00	6.81	3.21	8.27	6.38	3.49	7.65	6.04	3.84
		33°C	10.14	8.51	2.53	9.79	8.36	2.74	9.43	8.18	2.97	9.06	8.00	3.22	8.33	7.50	3.49	7.72	7.12	3.85
		36°C	10.23	9.61	2.53	9.91	9.43	2.75	9.57	9.22	2.98	9.22	9.00	3.23	8.52	8.39	3.51	7.95	7.90	3.87
900 / 940	16°C	21°C	8.35	6.33	2.46	8.05	6.18	2.65	7.76	6.03	2.87	7.45	5.87	3.11	6.85	5.47	3.39	6.32	5.15	3.77
		24°C	8.37	7.74	2.46	8.08	7.57	2.65	7.79	7.41	2.87	7.49	7.23	3.12	6.88	6.76	3.40	6.37	6.37	3.77
		27°C	8.51	8.51	2.47	8.25	8.25	2.66	7.99	7.99	2.88	7.72	7.72	3.13	7.15	7.15	3.42	6.68	6.68	3.80
		30°C	8.97	8.97	2.49	8.72	8.72	2.69	8.47	8.47	2.91	8.21	8.21	3.16	7.61	7.61	3.45	7.12	7.12	3.84
	19°C	24°C	9.18	6.07	2.50	8.87	5.92	2.69	8.55	5.78	2.91	8.22	5.63	3.16	7.56	5.26	3.45	7.00	4.97	3.83
		27°C	9.21	7.04	2.50	8.89	6.89	2.70	8.57	6.75	2.92	8.24	6.60	3.17	7.58	6.18	3.45	7.02	5.87	3.83
		30°C	9.26	8.74	2.51	8.95	8.56	2.70	8.65	8.38	2.92	8.34	8.18	3.17	7.69	7.64	3.46	7.17	7.17	3.84
		33°C	9.50	9.50	2.52	9.23	9.23	2.72	8.97	8.97	2.94	8.70	8.70	3.20	8.08	8.08	3.49	7.58	7.58	3.88
	22°C	27°C	10.09	5.95	2.55	9.75	5.81	2.75	9.41	5.68	2.97	9.05	5.54	3.22	8.33	5.18	3.51	7.72	4.90	3.89
		30°C	10.12	7.36	2.55	9.77	7.21	2.75	9.42	7.06	2.97	9.07	6.91	3.22	8.35	6.48	3.51	7.74	6.16	3.89
		33°C	10.14	8.67	2.55	9.79	8.52	2.75	9.45	8.37	2.97	9.10	8.20	3.23	8.38	7.71	3.51	7.79	7.32	3.90
		36°C	10.24	9.83	2.56	9.91	9.63	2.76	9.59	9.43	2.98	9.28	9.20	3.24	8.59	8.59	3.53	8.04	8.04	3.92

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM30CXV1 - R30DXV1 / FDB30CXV1 - R30DXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
710 / 740	16°C	21°C	8.02	5.98	2.13	7.73	5.82	2.30	7.45	5.66	2.49	7.15	5.50	2.70	6.56	5.12	2.93	6.06	4.82	3.23
		24°C	8.03	7.16	2.13	7.74	6.99	2.30	7.46	6.83	2.49	7.16	6.66	2.70	6.58	6.22	2.93	6.08	5.87	3.23
		27°C	8.09	8.09	2.13	7.82	7.82	2.30	7.55	7.55	2.50	7.26	7.26	2.71	6.70	6.70	2.94	6.23	6.23	3.24
		30°C	8.34	8.34	2.14	8.10	8.10	2.32	7.85	7.85	2.51	7.60	7.60	2.73	7.05	7.05	2.97	6.59	6.59	3.28
	19°C	24°C	8.84	5.58	2.16	8.53	5.44	2.34	8.22	5.29	2.53	7.89	5.14	2.75	7.25	4.79	2.98	6.71	4.51	3.29
		27°C	8.85	6.38	2.16	8.54	6.24	2.34	8.22	6.10	2.53	7.90	5.95	2.75	7.26	5.57	2.98	6.71	5.27	3.29
		30°C	8.86	7.88	2.16	8.56	7.71	2.34	8.25	7.54	2.54	7.94	7.36	2.75	7.31	6.88	2.99	6.78	6.51	3.29
		33°C	8.97	8.97	2.17	8.67	8.67	2.35	8.39	8.39	2.54	8.11	8.11	2.76	7.50	7.50	3.00	7.01	7.01	3.31
	22°C	27°C	9.73	5.46	2.20	9.39	5.33	2.38	9.05	5.20	2.58	8.69	5.05	2.80	8.00	4.71	3.04	7.40	4.44	3.35
		30°C	9.73	6.66	2.20	9.39	6.51	2.38	9.05	6.37	2.58	8.70	6.21	2.80	8.00	5.82	3.04	7.40	5.52	3.35
		33°C	9.74	7.77	2.20	9.40	7.62	2.38	9.06	7.47	2.58	8.70	7.32	2.80	8.01	6.87	3.04	7.42	6.53	3.35
		36°C	9.77	8.81	2.20	9.44	8.64	2.39	9.12	8.46	2.59	8.79	8.27	2.81	8.10	7.75	3.05	7.53	7.36	3.36
760 / 790	16°C	21°C	8.34	6.23	2.15	8.04	6.07	2.32	7.73	5.91	2.51	7.42	5.74	2.72	6.81	5.35	2.96	6.28	5.03	3.26
		24°C	8.36	7.56	2.15	8.06	7.38	2.32	7.76	7.21	2.52	7.45	7.03	2.73	6.84	6.56	2.96	6.32	6.19	3.26
		27°C	8.46	8.46	2.15	8.18	8.18	2.33	7.90	7.90	2.52	7.61	7.61	2.74	7.03	7.03	2.97	6.55	6.55	3.28
		30°C	8.82	8.82	2.17	8.56	8.56	2.35	8.30	8.30	2.55	8.03	8.03	2.76	7.44	7.44	3.00	6.96	6.96	3.32
	19°C	24°C	9.19	5.89	2.18	8.86	5.75	2.36	8.53	5.60	2.56	8.18	5.44	2.77	7.52	5.07	3.01	6.94	4.78	3.31
		27°C	9.20	6.79	2.18	8.87	6.64	2.36	8.54	6.49	2.56	8.20	6.33	2.77	7.53	5.92	3.01	6.96	5.61	3.32
		30°C	9.25	8.37	2.18	8.92	8.19	2.36	8.60	8.01	2.56	8.28	7.81	2.78	7.62	7.31	3.02	7.07	6.90	3.33
		33°C	9.40	9.40	2.19	9.11	9.11	2.37	8.82	8.82	2.58	8.53	8.53	2.80	7.90	7.90	3.04	7.39	7.39	3.35
	22°C	27°C	10.09	5.77	2.22	9.74	5.63	2.41	9.38	5.49	2.61	9.00	5.34	2.83	8.27	4.98	3.07	7.65	4.70	3.38
		30°C	10.11	7.08	2.22	9.75	6.93	2.41	9.39	6.78	2.61	9.01	6.62	2.83	8.28	6.20	3.07	7.66	5.88	3.38
		33°C	10.12	8.30	2.22	9.77	8.14	2.41	9.41	7.97	2.61	9.04	7.80	2.83	8.32	7.32	3.07	7.71	6.95	3.38
		36°C	10.19	9.38	2.23	9.86	9.20	2.41	9.51	9.01	2.62	9.17	8.80	2.84	8.46	8.24	3.08	7.89	7.77	3.40
830 / 880	16°C	21°C	8.65	6.50	2.16	8.33	6.33	2.34	8.01	6.17	2.53	7.68	5.99	2.75	7.04	5.58	2.98	6.49	5.25	3.28
		24°C	8.69	7.90	2.17	8.38	7.71	2.34	8.06	7.52	2.54	7.74	7.32	2.75	7.10	6.83	2.98	6.56	6.44	3.29
		27°C	8.83	8.83	2.17	8.54	8.54	2.35	8.25	8.25	2.55	7.96	7.96	2.76	7.35	7.35	3.00	6.85	6.85	3.31
		30°C	9.27	9.27	2.19	9.00	9.00	2.37	8.73	8.73	2.57	8.44	8.44	2.80	7.81	7.81	3.04	7.30	7.30	3.35
	19°C	24°C	9.52	6.23	2.20	9.17	6.08	2.38	8.82	5.92	2.58	8.46	5.76	2.80	7.77	5.37	3.03	7.17	5.07	3.34
		27°C	9.54	7.21	2.20	9.20	7.05	2.38	8.86	6.88	2.58	8.50	6.71	2.80	7.80	6.28	3.04	7.21	5.94	3.34
		30°C	9.62	8.88	2.20	9.28	8.68	2.39	8.95	8.48	2.59	8.61	8.27	2.81	7.93	7.73	3.04	7.36	7.28	3.36
		33°C	9.83	9.83	2.21	9.54	9.54	2.40	9.25	9.25	2.61	8.95	8.95	2.83	8.29	8.29	3.07	7.75	7.75	3.39
	22°C	27°C	10.44	6.10	2.24	10.07	5.96	2.43	9.69	5.81	2.63	9.30	5.66	2.85	8.55	5.28	3.09	7.90	4.99	3.41
		30°C	10.46	7.52	2.24	10.09	7.38	2.43	9.71	7.22	2.63	9.32	7.05	2.85	8.57	6.60	3.09	7.92	6.26	3.41
		33°C	10.50	8.81	2.24	10.14	8.66	2.43	9.76	8.47	2.64	9.38	8.29	2.86	8.63	7.77	3.10	8.00	7.37	3.42
		36°C	10.59	9.95	2.25	10.26	9.77	2.44	9.91	9.55	2.64	9.55	9.32	2.87	8.83	8.69	3.12	8.23	8.18	3.44
900 / 940	16°C	21°C	8.64	6.55	2.18	8.34	6.40	2.35	8.04	6.24	2.54	7.72	6.08	2.76	7.09	5.66	3.01	6.55	5.33	3.35
		24°C	8.67	8.01	2.19	8.36	7.84	2.35	8.06	7.67	2.55	7.75	7.49	2.77	7.13	7.01	3.01	6.60	6.60	3.35
		27°C	8.82	8.82	2.19	8.55	8.55	2.36	8.27	8.27	2.56	8.00	8.00	2.78	7.41	7.41	3.03	6.92	6.92	3.37
		30°C	9.29	9.29	2.21	9.03	9.03	2.38	8.77	8.77	2.58	8.50	8.50	2.81	7.88	7.88	3.06	7.38	7.38	3.41
	19°C	24°C	9.51	6.29	2.22	9.18	6.14	2.39	8.86	5.99	2.59	8.51	5.84	2.81	7.83	5.45	3.06	7.25	5.15	3.40
		27°C	9.54	7.29	2.22	9.21	7.14	2.39	8.88	6.99	2.59	8.54	6.83	2.81	7.85	6.41	3.06	7.27	6.08	3.40
		30°C	9.59	9.06	2.22	9.27	8.86	2.40	8.95	8.67	2.59	8.63	8.47	2.82	7.97	7.91	3.07	7.42	7.42	3.41
		33°C	9.84	9.84	2.24	9.56	9.56	2.41	9.29	9.29	2.61	9.01	9.01	2.84	8.37	8.37	3.10	7.85	7.85	3.44
	22°C	27°C	10.45	6.17	2.26	10.09	6.02	2.44	9.74	5.88	2.64	9.37	5.74	2.86	8.63	5.36	3.11	8.00	5.07	3.45
		30°C	10.48	7.62	2.26	10.12	7.47	2.44	9.76	7.31	2.64	9.39	7.16	2.86	8.65	6.71	3.12	8.02	6.38	3.45
		33°C	10.50	8.98	2.27	10.14	8.82	2.44	9.78	8.67	2.64	9.42	8.50	2.86	8.68	7.98	3.12	8.07	7.58	3.46
		36°C	10.60	10.18	2.27	10.26	9.98	2.45	9.93	9.77	2.65	9.61	9.53	2.88	8.90	8.90	3.13	8.33	8.33	3.48

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM30CXV1 - R30DXY1 / FDB30CXV1 - R30DXY1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
710 / 740	16°C	21°C	8.02	5.98	2.17	7.73	5.82	2.35	7.45	5.66	2.54	7.15	5.50	2.76	6.56	5.12	2.99	6.06	4.82	3.30
		24°C	8.03	7.16	2.17	7.74	6.99	2.35	7.46	6.83	2.54	7.16	6.66	2.76	6.58	6.22	2.99	6.08	5.87	3.30
		27°C	8.09	8.09	2.17	7.82	7.82	2.35	7.55	7.55	2.55	7.26	7.26	2.76	6.70	6.70	3.00	6.23	6.23	3.31
		30°C	8.34	8.34	2.18	8.10	8.10	2.36	7.85	7.85	2.56	7.60	7.60	2.78	7.05	7.05	3.02	6.59	6.59	3.34
	19°C	24°C	8.84	5.58	2.20	8.53	5.44	2.39	8.22	5.29	2.58	7.89	5.14	2.80	7.25	4.79	3.04	6.71	4.51	3.35
		27°C	8.85	6.38	2.20	8.54	6.24	2.39	8.22	6.10	2.59	7.90	5.95	2.80	7.26	5.57	3.04	6.71	5.27	3.35
		30°C	8.86	7.88	2.20	8.56	7.71	2.39	8.25	7.54	2.59	7.94	7.36	2.81	7.31	6.88	3.05	6.78	6.51	3.36
		33°C	8.97	8.97	2.21	8.67	8.67	2.39	8.39	8.39	2.60	8.11	8.11	2.82	7.50	7.50	3.06	7.01	7.01	3.38
	22°C	27°C	9.73	5.46	2.24	9.39	5.33	2.43	9.05	5.20	2.64	8.69	5.05	2.86	8.00	4.71	3.10	7.40	4.44	3.42
		30°C	9.73	6.66	2.24	9.39	6.51	2.43	9.05	6.37	2.64	8.70	6.21	2.86	8.00	5.82	3.10	7.40	5.52	3.42
		33°C	9.74	7.77	2.24	9.40	7.62	2.43	9.06	7.47	2.64	8.70	7.32	2.86	8.01	6.87	3.10	7.42	6.53	3.42
		36°C	9.77	8.81	2.25	9.44	8.64	2.43	9.12	8.46	2.64	8.79	8.27	2.86	8.10	7.75	3.11	7.53	7.36	3.43
760 / 790	16°C	21°C	8.34	6.23	2.19	8.04	6.07	2.37	7.73	5.91	2.56	7.42	5.74	2.78	6.81	5.35	3.01	6.28	5.03	3.32
		24°C	8.36	7.56	2.19	8.06	7.38	2.37	7.76	7.21	2.57	7.45	7.03	2.78	6.84	6.56	3.02	6.32	6.19	3.33
		27°C	8.46	8.46	2.20	8.18	8.18	2.37	7.90	7.90	2.57	7.61	7.61	2.79	7.03	7.03	3.03	6.55	6.55	3.35
		30°C	8.82	8.82	2.21	8.56	8.56	2.39	8.30	8.30	2.60	8.03	8.03	2.82	7.44	7.44	3.06	6.96	6.96	3.38
	19°C	24°C	9.19	5.89	2.22	8.86	5.75	2.41	8.53	5.60	2.61	8.18	5.44	2.83	7.52	5.07	3.07	6.94	4.78	3.38
		27°C	9.20	6.79	2.23	8.87	6.64	2.41	8.54	6.49	2.61	8.20	6.33	2.83	7.53	5.92	3.07	6.96	5.61	3.38
		30°C	9.25	8.37	2.23	8.92	8.19	2.41	8.60	8.01	2.61	8.28	7.81	2.84	7.62	7.31	3.08	7.07	6.90	3.39
		33°C	9.40	9.40	2.24	9.11	9.11	2.42	8.82	8.82	2.63	8.53	8.53	2.85	7.90	7.90	3.10	7.39	7.39	3.42
	22°C	27°C	10.09	5.77	2.27	9.74	5.63	2.45	9.38	5.49	2.66	9.00	5.34	2.88	8.27	4.98	3.13	7.65	4.70	3.45
		30°C	10.11	7.08	2.27	9.75	6.93	2.45	9.39	6.78	2.66	9.01	6.62	2.89	8.28	6.20	3.13	7.66	5.88	3.45
		33°C	10.12	8.30	2.27	9.77	8.14	2.46	9.41	7.97	2.66	9.04	7.80	2.89	8.32	7.32	3.13	7.71	6.95	3.45
		36°C	10.19	9.38	2.27	9.86	9.20	2.46	9.51	9.01	2.67	9.17	8.80	2.90	8.46	8.24	3.14	7.89	7.77	3.47
830 / 880	16°C	21°C	8.65	6.50	2.21	8.33	6.33	2.39	8.01	6.17	2.58	7.68	5.99	2.80	7.04	5.58	3.04	6.49	5.25	3.35
		24°C	8.69	7.90	2.21	8.38	7.71	2.39	8.06	7.52	2.59	7.74	7.32	2.81	7.10	6.83	3.04	6.56	6.44	3.35
		27°C	8.83	8.83	2.22	8.54	8.54	2.40	8.25	8.25	2.60	7.96	7.96	2.82	7.35	7.35	3.06	6.85	6.85	3.38
		30°C	9.27	9.27	2.23	9.00	9.00	2.42	8.73	8.73	2.63	8.44	8.44	2.85	7.81	7.81	3.10	7.30	7.30	3.42
	19°C	24°C	9.52	6.23	2.24	9.17	6.08	2.43	8.82	5.92	2.63	8.46	5.76	2.85	7.77	5.37	3.09	7.17	5.07	3.41
		27°C	9.54	7.21	2.24	9.20	7.05	2.43	8.86	6.88	2.63	8.50	6.71	2.86	7.80	6.28	3.10	7.21	5.94	3.41
		30°C	9.62	8.88	2.25	9.28	8.68	2.43	8.95	8.48	2.64	8.61	8.27	2.86	7.93	7.73	3.11	7.36	7.28	3.42
		33°C	9.83	9.83	2.26	9.54	9.54	2.45	9.25	9.25	2.66	8.95	8.95	2.89	8.29	8.29	3.13	7.75	7.75	3.46
	22°C	27°C	10.44	6.10	2.29	10.07	5.96	2.48	9.69	5.81	2.68	9.30	5.66	2.91	8.55	5.28	3.15	7.90	4.99	3.47
		30°C	10.46	7.52	2.29	10.09	7.38	2.48	9.71	7.22	2.68	9.32	7.05	2.91	8.57	6.60	3.16	7.92	6.26	3.48
		33°C	10.50	8.81	2.29	10.14	8.66	2.48	9.76	8.47	2.69	9.38	8.29	2.92	8.63	7.77	3.16	8.00	7.37	3.48
		36°C	10.59	9.95	2.29	10.26	9.77	2.49	9.91	9.55	2.70	9.55	9.32	2.93	8.83	8.69	3.18	8.23	8.18	3.51
900 / 940	16°C	21°C	8.64	6.55	2.23	8.34	6.40	2.40	8.04	6.24	2.59	7.72	6.08	2.82	7.09	5.66	3.07	6.55	5.33	3.41
		24°C	8.67	8.01	2.23	8.36	7.84	2.40	8.06	7.67	2.60	7.75	7.49	2.82	7.13	7.01	3.07	6.60	6.60	3.42
		27°C	8.82	8.82	2.24	8.55	8.55	2.41	8.27	8.27	2.61	8.00	8.00	2.84	7.41	7.41	3.09	6.92	6.92	3.44
		30°C	9.29	9.29	2.26	9.03	9.03	2.43	8.77	8.77	2.63	8.50	8.50	2.86	7.88	7.88	3.12	7.38	7.38	3.47
	19°C	24°C	9.51	6.29	2.27	9.18	6.14	2.44	8.86	5.99	2.64	8.51	5.84	2.87	7.83	5.45	3.12	7.25	5.15	3.46
		27°C	9.54	7.29	2.27	9.21	7.14	2.44	8.88	6.99	2.64	8.54	6.83	2.87	7.85	6.41	3.12	7.27	6.08	3.47
		30°C	9.59	9.06	2.27	9.27	8.86	2.44	8.95	8.67	2.64	8.63	8.47	2.87	7.97	7.91	3.13	7.42	7.42	3.48
		33°C	9.84	9.84	2.28	9.56	9.56	2.46	9.29	9.29	2.66	9.01	9.01	2.90	8.37	8.37	3.16	7.85	7.85	3.51
	22°C	27°C	10.45	6.17	2.31	10.09	6.02	2.49	9.74	5.88	2.69	9.37	5.74	2.92	8.63	5.36	3.18	8.00	5.07	3.52
		30°C	10.48	7.62	2.31	10.12	7.47	2.49	9.76	7.31	2.69	9.39	7.16	2.92	8.65	6.71	3.18	8.02	6.38	3.52
		33°C	10.50	8.98	2.31	10.14	8.82	2.49	9.78	8.67	2.69	9.42	8.50	2.92	8.68	7.98	3.18	8.07	7.58	3.53
		36°C	10.60	10.18	2.32	10.26	9.98	2.50	9.93	9.77	2.70	9.61	9.53	2.93	8.90	8.90	3.20	8.33	8.33	3.55

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM38CXV1 - R35DXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
1350	16°C	21°C	10.00	6.54	3.19	9.63	6.38	3.20	9.27	6.21	3.26	8.89	6.04	3.35	8.49	5.86	3.56	7.99	5.64	3.87
		24°C	10.04	7.94	3.19	9.67	7.77	3.20	9.31	7.59	3.27	8.93	7.41	3.35	8.54	7.22	3.57	8.05	6.98	3.87
		27°C	10.16	9.18	3.20	9.83	8.95	3.21	9.50	8.71	3.28	9.16	8.45	3.37	8.83	8.16	3.59	8.41	7.78	3.90
		30°C	10.68	9.84	3.22	10.37	9.56	3.24	10.06	9.28	3.31	9.73	8.98	3.41	9.38	8.67	3.63	8.95	8.29	3.95
	19°C	24°C	11.00	6.52	3.23	10.61	6.36	3.25	10.21	6.20	3.32	9.80	6.03	3.41	9.37	5.86	3.63	8.83	5.65	3.94
		27°C	11.04	7.95	3.24	10.64	7.78	3.25	10.24	7.61	3.32	9.83	7.43	3.41	9.40	7.25	3.63	8.87	7.03	3.94
		30°C	11.09	9.30	3.24	10.69	9.11	3.25	10.31	8.92	3.32	9.91	8.72	3.42	9.51	8.50	3.64	9.01	8.20	3.95
		33°C	11.31	10.37	3.25	10.97	10.11	3.27	10.64	9.82	3.34	10.31	9.51	3.45	9.95	9.20	3.67	9.51	8.80	4.00
	22°C	27°C	12.07	6.46	3.28	11.65	6.30	3.30	11.21	6.15	3.38	10.77	5.98	3.48	10.31	5.82	3.70	9.73	5.61	4.01
		30°C	12.10	7.92	3.28	11.67	7.75	3.30	11.24	7.58	3.38	10.80	7.41	3.48	10.33	7.24	3.70	9.76	7.02	4.02
		33°C	12.14	9.29	3.28	11.71	9.12	3.31	11.27	8.95	3.38	10.83	8.77	3.48	10.37	8.59	3.71	9.81	8.35	4.02
		36°C	12.22	10.57	3.29	11.80	10.36	3.31	11.40	10.16	3.39	10.99	9.93	3.49	10.58	9.66	3.72	10.08	9.31	4.05
1420	16°C	21°C	10.26	6.89	3.21	9.88	6.72	3.22	9.50	6.54	3.28	9.11	6.35	3.37	8.70	6.16	3.58	8.20	5.92	3.89
		24°C	10.30	8.37	3.21	9.92	8.18	3.22	9.54	8.00	3.28	9.15	7.80	3.37	8.75	7.60	3.59	8.25	7.33	3.89
		27°C	10.42	9.67	3.21	10.08	9.43	3.23	9.74	9.17	3.29	9.39	8.89	3.39	9.05	8.58	3.61	8.62	8.18	3.92
		30°C	10.96	10.37	3.24	10.64	10.07	3.25	10.31	9.77	3.33	9.97	9.45	3.42	9.62	9.12	3.65	9.18	8.71	3.97
	19°C	24°C	11.29	6.87	3.25	10.88	6.70	3.26	10.47	6.52	3.33	10.04	6.34	3.43	9.60	6.16	3.65	9.06	5.93	3.96
		27°C	11.32	8.38	3.25	10.91	8.19	3.27	10.50	8.01	3.34	10.08	7.82	3.43	9.64	7.63	3.65	9.09	7.39	3.96
		30°C	11.37	9.80	3.25	10.97	9.60	3.27	10.57	9.40	3.34	10.16	9.17	3.44	9.75	8.94	3.66	9.24	8.62	3.97
		33°C	11.60	10.93	3.26	11.26	10.64	3.28	10.92	10.34	3.36	10.57	10.01	3.46	10.20	9.67	3.69	9.75	9.25	4.02
	22°C	27°C	12.39	6.80	3.30	11.95	6.64	3.32	11.50	6.47	3.40	11.04	6.30	3.49	10.56	6.12	3.72	9.98	5.90	4.03
		30°C	12.42	8.34	3.30	11.98	8.16	3.32	11.53	7.98	3.40	11.07	7.80	3.50	10.59	7.61	3.72	10.00	7.38	4.04
		33°C	12.45	9.79	3.30	12.01	9.60	3.32	11.56	9.42	3.40	11.10	9.23	3.50	10.63	9.03	3.73	10.05	8.78	4.04
		36°C	12.54	11.14	3.30	12.11	10.92	3.33	11.69	10.69	3.41	11.26	10.44	3.51	10.84	10.16	3.74	10.34	9.78	4.07
1470	16°C	21°C	10.44	7.15	3.22	10.06	6.97	3.23	9.67	6.78	3.29	9.27	6.58	3.38	8.86	6.38	3.60	8.34	6.13	3.90
		24°C	10.49	8.68	3.22	10.10	8.48	3.23	9.71	8.29	3.30	9.32	8.08	3.38	8.91	7.87	3.60	8.40	7.59	3.90
		27°C	10.61	10.03	3.23	10.26	9.78	3.24	9.91	9.51	3.31	9.56	9.21	3.40	9.21	8.89	3.62	8.77	8.46	3.93
		30°C	11.15	10.76	3.25	10.83	10.44	3.27	10.50	10.12	3.34	10.15	9.79	3.44	9.79	9.45	3.66	9.34	9.01	3.98
	19°C	24°C	11.49	7.13	3.26	11.07	6.94	3.28	10.65	6.76	3.35	10.22	6.57	3.44	9.77	6.38	3.66	9.22	6.14	3.97
		27°C	11.53	8.69	3.26	11.11	8.50	3.28	10.69	8.30	3.35	10.26	8.10	3.44	9.81	7.90	3.66	9.25	7.64	3.97
		30°C	11.58	10.17	3.27	11.16	9.95	3.28	10.76	9.74	3.35	10.34	9.50	3.45	9.92	9.25	3.67	9.40	8.92	3.99
		33°C	11.81	11.33	3.28	11.46	11.04	3.30	11.11	10.72	3.37	10.75	10.37	3.48	10.38	10.02	3.71	9.92	9.57	4.03
	22°C	27°C	12.61	7.06	3.31	12.16	6.88	3.33	11.70	6.71	3.41	11.24	6.52	3.51	10.75	6.34	3.73	10.15	6.10	4.05
		30°C	12.64	8.66	3.31	12.19	8.46	3.33	11.73	8.27	3.41	11.26	8.08	3.51	10.78	7.88	3.74	10.18	7.63	4.05
		33°C	12.68	10.15	3.31	12.22	9.96	3.34	11.77	9.76	3.41	11.30	9.56	3.51	10.82	9.35	3.74	10.23	9.08	4.06
		36°C	12.76	11.55	3.32	12.32	11.32	3.34	11.90	11.08	3.42	11.46	10.82	3.52	11.04	10.52	3.76	10.52	10.12	4.08
1540	16°C	21°C	10.56	7.33	3.23	10.18	7.14	3.24	9.79	6.94	3.30	9.38	6.74	3.39	8.96	6.53	3.60	8.44	6.27	3.91
		24°C	10.61	8.90	3.23	10.22	8.69	3.24	9.83	8.49	3.30	9.43	8.27	3.39	9.01	8.05	3.61	8.50	7.76	3.91
		27°C	10.73	10.28	3.23	10.38	10.02	3.25	10.03	9.74	3.31	9.67	9.43	3.41	9.32	9.09	3.63	8.88	8.66	3.94
		30°C	11.28	11.02	3.25	10.95	10.70	3.27	10.62	10.37	3.35	10.27	10.02	3.44	9.91	9.67	3.67	9.45	9.22	3.99
	19°C	24°C	11.62	7.30	3.27	11.20	7.11	3.28	10.78	6.92	3.35	10.34	6.73	3.45	9.89	6.53	3.67	9.33	6.28	3.98
		27°C	11.66	8.91	3.27	11.24	8.70	3.29	10.81	8.50	3.36	10.38	8.29	3.45	9.92	8.08	3.67	9.36	7.82	3.98
		30°C	11.71	10.42	3.27	11.29	10.20	3.29	10.88	9.97	3.36	10.47	9.73	3.46	10.03	9.47	3.68	9.51	9.12	3.99
		33°C	11.95	11.61	3.28	11.59	11.31	3.30	11.24	10.97	3.38	10.88	10.62	3.48	10.51	10.25	3.71	10.04	9.79	4.04
	22°C	27°C	12.76	7.23	3.32	12.30	7.05	3.34	11.84	6.87	3.42	11.37	6.68	3.52	10.88	6.48	3.74	10.27	6.24	4.06
		30°C	12.79	8.87	3.32	12.33	8.67	3.34	11.87	8.47	3.42	11.40	8.27	3.52	10.91	8.06	3.74	10.30	7.81	4.06
		33°C	12.83	10.40	3.32	12.37	10.20	3.34	11.90	10.00	3.42	11.43	9.79	3.52	10.95	9.57	3.75	10.35	9.29	4.06
		36°C	12.91	11.84	3.32	12.47	11.60	3.35	12.03	11.35	3.43	11.60	11.08	3.53	11.16	10.77	3.76	10.64	10.35	4.09

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM38CXV1 - R40DXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
1350	16°C	21°C	10.51	7.83	2.82	10.13	7.63	3.05	9.76	7.42	3.30	9.37	7.21	3.58	8.60	6.71	3.88	7.94	6.31	4.28
		24°C	10.52	9.38	2.82	10.15	9.17	3.05	9.77	8.95	3.30	9.38	8.73	3.58	8.62	8.15	3.88	7.97	7.69	4.28
		27°C	10.60	10.60	2.82	10.25	10.25	3.05	9.89	9.89	3.31	9.52	9.52	3.59	8.78	8.78	3.89	8.17	8.17	4.30
		30°C	10.93	10.93	2.83	10.62	10.62	3.07	10.29	10.29	3.33	9.96	9.96	3.61	9.23	9.23	3.93	8.64	8.64	4.34
	19°C	24°C	11.59	7.31	2.86	11.18	7.13	3.10	10.77	6.94	3.36	10.35	6.74	3.64	9.51	6.28	3.95	8.79	5.91	4.35
		27°C	11.60	8.37	2.86	11.19	8.18	3.10	10.78	7.99	3.36	10.35	7.80	3.64	9.52	7.30	3.95	8.80	6.91	4.35
		30°C	11.61	10.33	2.86	11.21	10.11	3.10	10.82	9.88	3.36	10.41	9.64	3.64	9.58	9.02	3.95	8.89	8.54	4.36
		33°C	11.75	11.75	2.87	11.37	11.37	3.11	11.00	11.00	3.37	10.63	10.63	3.66	9.83	9.83	3.97	9.19	9.19	4.39
	22°C	27°C	12.75	7.16	2.91	12.31	6.99	3.16	11.86	6.81	3.42	11.40	6.62	3.71	10.48	6.17	4.02	9.70	5.82	4.43
		30°C	12.75	8.72	2.91	12.31	8.54	3.16	11.86	8.34	3.42	11.40	8.15	3.71	10.48	7.63	4.03	9.70	7.23	4.44
		33°C	12.76	10.19	2.91	12.32	9.99	3.16	11.87	9.80	3.42	11.41	9.59	3.71	10.50	9.01	4.03	9.73	8.56	4.44
		36°C	12.80	11.55	2.92	12.38	11.32	3.16	11.95	11.09	3.43	11.51	10.84	3.72	10.62	10.16	4.04	9.87	9.64	4.45
1420	16°C	21°C	10.93	8.16	2.84	10.53	7.95	3.07	10.13	7.74	3.33	9.72	7.52	3.61	8.92	7.01	3.91	8.23	6.59	4.31
		24°C	10.96	9.91	2.84	10.57	9.68	3.07	10.17	9.45	3.33	9.76	9.21	3.61	8.97	8.59	3.92	8.29	8.11	4.32
		27°C	11.09	11.09	2.85	10.72	10.72	3.08	10.35	10.35	3.34	9.98	9.98	3.62	9.21	9.21	3.93	8.58	8.58	4.34
		30°C	11.55	11.55	2.87	11.22	11.22	3.11	10.88	10.88	3.37	10.53	10.53	3.66	9.75	9.75	3.98	9.12	9.12	4.39
	19°C	24°C	12.04	7.72	2.89	11.61	7.53	3.13	11.17	7.33	3.39	10.72	7.13	3.67	9.85	6.65	3.98	9.10	6.26	4.39
		27°C	12.06	8.90	2.89	11.63	8.70	3.13	11.19	8.50	3.39	10.75	8.30	3.67	9.87	7.76	3.99	9.13	7.35	4.39
		30°C	12.12	10.97	2.89	11.70	10.74	3.13	11.28	10.50	3.39	10.85	10.24	3.68	9.99	9.57	3.99	9.26	9.05	4.40
		33°C	12.32	12.32	2.90	11.94	11.94	3.14	11.56	11.56	3.41	11.18	11.18	3.70	10.36	10.36	4.02	9.68	9.68	4.44
	22°C	27°C	13.23	7.56	2.94	12.76	7.38	3.19	12.29	7.20	3.45	11.80	7.00	3.74	10.84	6.53	4.06	10.03	6.16	4.47
		30°C	13.24	9.28	2.94	12.78	9.09	3.19	12.30	8.88	3.45	11.81	8.68	3.75	10.86	8.13	4.06	10.04	7.71	4.48
		33°C	13.27	10.87	2.94	12.81	10.67	3.19	12.34	10.45	3.46	11.85	10.23	3.75	10.90	9.59	4.07	10.11	9.11	4.48
		36°C	13.35	12.29	2.95	12.92	12.06	3.20	12.47	11.81	3.47	12.01	11.53	3.76	11.08	10.79	4.08	10.33	10.18	4.50
1470	16°C	21°C	11.33	8.52	2.86	10.91	8.30	3.10	10.50	8.08	3.35	10.06	7.86	3.64	9.23	7.32	3.94	8.51	6.89	4.35
		24°C	11.39	10.35	2.87	10.98	10.10	3.10	10.56	9.86	3.36	10.14	9.60	3.64	9.31	8.96	3.95	8.60	8.44	4.35
		27°C	11.57	11.57	2.88	11.19	11.19	3.11	10.82	10.82	3.37	10.43	10.43	3.66	9.64	9.64	3.97	8.98	8.98	4.39
		30°C	12.15	12.15	2.90	11.80	11.80	3.14	11.43	11.43	3.41	11.06	11.06	3.70	10.24	10.24	4.02	9.56	9.56	4.44
	19°C	24°C	12.47	8.17	2.91	12.02	7.97	3.15	11.56	7.76	3.41	11.09	7.55	3.70	10.18	7.04	4.01	9.40	6.64	4.42
		27°C	12.51	9.45	2.91	12.06	9.24	3.15	11.60	9.02	3.42	11.14	8.80	3.71	10.23	8.23	4.02	9.45	7.78	4.43
		30°C	12.61	11.63	2.92	12.16	11.38	3.16	11.73	11.12	3.43	11.28	10.84	3.72	10.39	10.12	4.03	9.64	9.54	4.44
		33°C	12.88	12.88	2.93	12.51	12.51	3.18	12.12	12.12	3.45	11.72	11.72	3.75	10.86	10.86	4.07	10.16	10.16	4.49
	22°C	27°C	13.68	7.99	2.97	13.20	7.82	3.21	12.70	7.62	3.48	12.19	7.42	3.78	11.20	6.92	4.10	10.35	6.54	4.51
		30°C	13.71	9.85	2.97	13.22	9.67	3.22	12.73	9.45	3.48	12.22	9.24	3.78	11.22	8.65	4.10	10.38	8.20	4.51
		33°C	13.76	11.55	2.97	13.28	11.34	3.22	12.80	11.11	3.49	12.29	10.86	3.79	11.31	10.18	4.11	10.48	9.66	4.52
		36°C	13.88	13.04	2.98	13.45	12.80	3.23	12.98	12.52	3.50	12.52	12.21	3.80	11.56	11.39	4.13	10.79	10.72	4.55
1540	16°C	21°C	11.33	8.59	2.89	10.93	8.38	3.11	10.53	8.18	3.37	10.11	7.96	3.66	9.29	7.42	3.99	8.58	6.99	4.43
		24°C	11.36	10.50	2.89	10.96	10.28	3.12	10.57	10.05	3.37	10.16	9.81	3.66	9.34	9.18	3.99	8.65	8.65	4.44
		27°C	11.55	11.55	2.90	11.20	11.20	3.13	10.84	10.84	3.38	10.48	10.48	3.68	9.71	9.71	4.01	9.07	9.07	4.47
		30°C	12.17	12.17	2.93	11.83	11.83	3.16	11.49	11.49	3.42	11.14	11.14	3.72	10.33	10.33	4.06	9.67	9.67	4.51
	19°C	24°C	12.46	8.24	2.94	12.03	8.04	3.17	11.60	7.85	3.42	11.15	7.65	3.72	10.26	7.14	4.05	9.49	6.75	4.50
		27°C	12.50	9.55	2.94	12.06	9.35	3.17	11.63	9.16	3.43	11.19	8.95	3.72	10.29	8.39	4.05	9.52	7.97	4.50
		30°C	12.56	11.87	2.95	12.14	11.61	3.17	11.73	11.37	3.43	11.31	11.09	3.73	10.44	10.37	4.06	9.73	9.73	4.51
		33°C	12.90	12.90	2.96	12.52	12.52	3.19	12.18	12.18	3.46	11.81	11.81	3.76	10.97	10.97	4.10	10.28	10.28	4.56
	22°C	27°C	13.70	8.08	3.00	13.23	7.89	3.23	12.76	7.71	3.49	12.28	7.52	3.79	11.31	7.03	4.12	10.48	6.65	4.57
		30°C	13.73	9.99	3.00	13.26	9.79	3.23	12.79	9.58	3.49	12.31	9.38	3.79	11.33	8.80	4.12	10.50	8.36	4.57
		33°C	13.76	11.77	3.00	13.29	11.56	3.23	12.82	11.36	3.49	12.34	11.13	3.79	11.38	10.46	4.13	10.57	9.94	4.58
		36°C	13.89	13.34	3.01	13.45	13.07	3.24	13.02	12.80	3.51	12.59	12.49	3.81	11.66	11.66	4.15	10.91	10.91	4.61

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM38CXV1 - R40DXY1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
1350	16°C	21°C	10.51	7.83	2.78	10.13	7.63	3.00	9.76	7.42	3.25	9.37	7.21	3.53	8.60	6.71	3.83	7.94	6.31	4.22
		24°C	10.52	9.38	2.78	10.15	9.17	3.01	9.77	8.95	3.26	9.38	8.73	3.53	8.62	8.15	3.83	7.97	7.69	4.22
		27°C	10.60	10.60	2.78	10.25	10.25	3.01	9.89	9.89	3.26	9.52	9.52	3.54	8.78	8.78	3.84	8.17	8.17	4.24
		30°C	10.93	10.93	2.80	10.62	10.62	3.03	10.29	10.29	3.28	9.96	9.96	3.57	9.23	9.23	3.87	8.64	8.64	4.28
	19°C	24°C	11.59	7.31	2.82	11.18	7.13	3.06	10.77	6.94	3.31	10.35	6.74	3.59	9.51	6.28	3.89	8.79	5.91	4.29
		27°C	11.60	8.37	2.82	11.19	8.18	3.06	10.78	7.99	3.31	10.35	7.80	3.59	9.52	7.30	3.90	8.80	6.91	4.29
		30°C	11.61	10.33	2.82	11.21	10.11	3.06	10.82	9.88	3.31	10.41	9.64	3.59	9.58	9.02	3.90	8.89	8.54	4.30
		33°C	11.75	11.75	2.83	11.37	11.37	3.07	11.00	11.00	3.32	10.63	10.63	3.61	9.83	9.83	3.92	9.19	9.19	4.33
	22°C	27°C	12.75	7.16	2.87	12.31	6.99	3.11	11.86	6.81	3.37	11.40	6.62	3.66	10.48	6.17	3.97	9.70	5.82	4.37
		30°C	12.75	8.72	2.87	12.31	8.54	3.11	11.86	8.34	3.38	11.40	8.15	3.66	10.48	7.63	3.97	9.70	7.23	4.38
		33°C	12.76	10.19	2.87	12.32	9.99	3.11	11.87	9.80	3.38	11.41	9.59	3.66	10.50	9.01	3.97	9.73	8.56	4.38
		36°C	12.80	11.55	2.88	12.38	11.32	3.12	11.95	11.09	3.38	11.51	10.84	3.67	10.62	10.16	3.98	9.87	9.64	4.39
1420	16°C	21°C	10.93	8.16	2.80	10.53	7.95	3.03	10.13	7.74	3.28	9.72	7.52	3.56	8.92	7.01	3.86	8.23	6.59	4.26
		24°C	10.96	9.91	2.80	10.57	9.68	3.03	10.17	9.45	3.29	9.76	9.21	3.56	8.97	8.59	3.86	8.29	8.11	4.26
		27°C	11.09	11.09	2.81	10.72	10.72	3.04	10.35	10.35	3.30	9.98	9.98	3.58	9.21	9.21	3.88	8.58	8.58	4.28
		30°C	11.55	11.55	2.83	11.22	11.22	3.07	10.88	10.88	3.32	10.53	10.53	3.61	9.75	9.75	3.92	9.12	9.12	4.33
	19°C	24°C	12.04	7.72	2.85	11.61	7.53	3.08	11.17	7.33	3.34	10.72	7.13	3.62	9.85	6.65	3.93	9.10	6.26	4.33
		27°C	12.06	8.90	2.85	11.63	8.70	3.08	11.19	8.50	3.34	10.75	8.30	3.62	9.87	7.76	3.93	9.13	7.35	4.33
		30°C	12.12	10.97	2.85	11.70	10.74	3.09	11.28	10.50	3.35	10.85	10.24	3.63	9.99	9.57	3.94	9.26	9.05	4.34
		33°C	12.32	12.32	2.86	11.94	11.94	3.10	11.56	11.56	3.36	11.18	11.18	3.65	10.36	10.36	3.97	9.68	9.68	4.38
	22°C	27°C	13.23	7.56	2.90	12.76	7.38	3.14	12.29	7.20	3.41	11.80	7.00	3.69	10.84	6.53	4.01	10.03	6.16	4.41
		30°C	13.24	9.28	2.90	12.78	9.09	3.14	12.30	8.88	3.41	11.81	8.68	3.70	10.86	8.13	4.01	10.04	7.71	4.41
		33°C	13.27	10.87	2.90	12.81	10.67	3.15	12.34	10.45	3.41	11.85	10.23	3.70	10.90	9.59	4.01	10.11	9.11	4.42
		36°C	13.35	12.29	2.91	12.92	12.06	3.15	12.47	11.81	3.42	12.01	11.53	3.71	11.08	10.79	4.03	10.33	10.18	4.44
1470	16°C	21°C	11.33	8.52	2.83	10.91	8.30	3.06	10.50	8.08	3.31	10.06	7.86	3.59	9.23	7.32	3.89	8.51	6.89	4.29
		24°C	11.39	10.35	2.83	10.98	10.10	3.06	10.56	9.86	3.31	10.14	9.60	3.59	9.31	8.96	3.90	8.60	8.44	4.29
		27°C	11.57	11.57	2.84	11.19	11.19	3.07	10.82	10.82	3.33	10.43	10.43	3.61	9.64	9.64	3.92	8.98	8.98	4.33
		30°C	12.15	12.15	2.86	11.80	11.80	3.10	11.43	11.43	3.36	11.06	11.06	3.65	10.24	10.24	3.97	9.56	9.56	4.38
	19°C	24°C	12.47	8.17	2.87	12.02	7.97	3.11	11.56	7.76	3.37	11.09	7.55	3.65	10.18	7.04	3.96	9.40	6.64	4.36
		27°C	12.51	9.45	2.87	12.06	9.24	3.11	11.60	9.02	3.37	11.14	8.80	3.66	10.23	8.23	3.97	9.45	7.78	4.37
		30°C	12.61	11.63	2.88	12.16	11.38	3.12	11.73	11.12	3.38	11.28	10.84	3.67	10.39	10.12	3.98	9.64	9.54	4.38
		33°C	12.88	12.88	2.89	12.51	12.51	3.14	12.12	12.12	3.40	11.72	11.72	3.70	10.86	10.86	4.01	10.16	10.16	4.43
	22°C	27°C	13.68	7.99	2.93	13.20	7.82	3.17	12.70	7.62	3.44	12.19	7.42	3.73	11.20	6.92	4.04	10.35	6.54	4.45
		30°C	13.71	9.85	2.93	13.22	9.67	3.17	12.73	9.45	3.44	12.22	9.24	3.73	11.22	8.65	4.04	10.38	8.20	4.45
		33°C	13.76	11.55	2.93	13.28	11.34	3.18	12.80	11.11	3.44	12.29	10.86	3.73	11.31	10.18	4.05	10.48	9.66	4.46
		36°C	13.88	13.04	2.94	13.45	12.80	3.19	12.98	12.52	3.45	12.52	12.21	3.75	11.56	11.39	4.07	10.79	10.72	4.49
1540	16°C	21°C	11.33	8.59	2.85	10.93	8.38	3.07	10.53	8.18	3.32	10.11	7.96	3.61	9.29	7.42	3.93	8.58	6.99	4.37
		24°C	11.36	10.50	2.85	10.96	10.28	3.07	10.57	10.05	3.32	10.16	9.81	3.61	9.34	9.18	3.94	8.65	8.65	4.38
		27°C	11.55	11.55	2.86	11.20	11.20	3.08	10.84	10.84	3.34	10.48	10.48	3.63	9.71	9.71	3.96	9.07	9.07	4.41
		30°C	12.17	12.17	2.89	11.83	11.83	3.11	11.49	11.49	3.37	11.14	11.14	3.67	10.33	10.33	4.00	9.67	9.67	4.45
	19°C	24°C	12.46	8.24	2.90	12.03	8.04	3.12	11.60	7.85	3.38	11.15	7.65	3.67	10.26	7.14	4.00	9.49	6.75	4.44
		27°C	12.50	9.55	2.90	12.06	9.35	3.13	11.63	9.16	3.38	11.19	8.95	3.67	10.29	8.39	4.00	9.52	7.97	4.44
		30°C	12.56	11.87	2.91	12.14	11.61	3.13	11.73	11.37	3.39	11.31	11.09	3.68	10.44	10.37	4.01	9.73	9.73	4.45
		33°C	12.90	12.90	2.92	12.52	12.52	3.15	12.18	12.18	3.41	11.81	11.81	3.71	10.97	10.97	4.04	10.28	10.28	4.50
	22°C	27°C	13.70	8.08	2.96	13.23	7.89	3.18	12.76	7.71	3.44	12.28	7.52	3.74	11.31	7.03	4.07	10.48	6.65	4.51
		30°C	13.73	9.99	2.96	13.26	9.79	3.19	12.79	9.58	3.45	12.31	9.38	3.74	11.33	8.80	4.07	10.50	8.36	4.51
		33°C	13.76	11.77	2.96	13.29	11.56	3.19	12.82	11.36	3.45	12.34	11.13	3.74	11.38	10.46	4.07	10.57	9.94	4.52
		36°C	13.89	13.34	2.97	13.45	13.07	3.20	13.02	12.80	3.46	12.59	12.49	3.76	11.66	11.66	4.09	10.91	10.91	4.54

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM40CXV1 - R35DXV1 / FDB40CXV1 - R35DXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
900 / 970	16°C	21°C	9.56	6.50	3.16	9.21	6.33	3.16	8.86	6.17	3.23	8.50	6.00	3.31	8.12	5.82	3.52	7.65	5.60	3.82
		24°C	9.60	7.89	3.16	9.25	7.71	3.17	8.90	7.54	3.23	8.54	7.36	3.32	8.16	7.17	3.53	7.70	6.93	3.83
		27°C	9.71	9.11	3.16	9.40	8.89	3.17	9.09	8.65	3.24	8.76	8.39	3.33	8.44	8.10	3.55	8.04	7.73	3.86
		30°C	10.21	9.77	3.18	9.92	9.49	3.20	9.62	9.21	3.27	9.31	8.92	3.37	8.98	8.61	3.59	8.56	8.23	3.90
	19°C	24°C	10.52	6.47	3.20	10.14	6.31	3.21	9.76	6.15	3.28	9.37	5.99	3.37	8.96	5.82	3.59	8.45	5.61	3.89
		27°C	10.56	7.90	3.20	10.18	7.72	3.21	9.80	7.55	3.28	9.40	7.38	3.37	8.99	7.20	3.59	8.48	6.98	3.90
		30°C	10.60	9.23	3.20	10.23	9.05	3.22	9.86	8.86	3.29	9.48	8.66	3.38	9.09	8.44	3.60	8.62	8.15	3.91
		33°C	10.82	10.30	3.21	10.50	10.03	3.23	10.18	9.75	3.31	9.86	9.45	3.41	9.52	9.13	3.63	9.09	8.74	3.95
	22°C	27°C	11.55	6.41	3.24	11.14	6.26	3.27	10.73	6.10	3.34	10.30	5.94	3.44	9.86	5.78	3.66	9.31	5.57	3.97
		30°C	11.58	7.86	3.25	11.17	7.69	3.27	10.75	7.53	3.34	10.33	7.36	3.44	9.88	7.18	3.66	9.33	6.97	3.97
		33°C	11.61	9.22	3.25	11.20	9.05	3.27	10.78	8.88	3.35	10.36	8.71	3.44	9.92	8.53	3.67	9.38	8.29	3.98
		36°C	11.69	10.49	3.25	11.29	10.29	3.27	10.90	10.08	3.35	10.51	9.85	3.45	10.12	9.59	3.68	9.64	9.24	4.00
990 / 1000	16°C	21°C	9.81	6.85	3.17	9.45	6.67	3.18	9.09	6.49	3.24	8.71	6.31	3.33	8.33	6.12	3.54	7.84	5.88	3.84
		24°C	9.85	8.31	3.17	9.49	8.12	3.18	9.13	7.94	3.25	8.75	7.74	3.33	8.37	7.54	3.55	7.89	7.28	3.85
		27°C	9.97	9.60	3.18	9.64	9.36	3.19	9.32	9.11	3.26	8.99	8.83	3.35	8.65	8.52	3.57	8.25	8.12	3.88
		30°C	10.48	10.29	3.20	10.17	10.00	3.22	9.86	9.70	3.29	9.54	9.38	3.39	9.20	9.06	3.61	8.78	8.65	3.92
	19°C	24°C	10.79	6.82	3.21	10.41	6.65	3.23	10.01	6.48	3.30	9.61	6.30	3.39	9.18	6.12	3.61	8.66	5.89	3.91
		27°C	10.83	8.32	3.22	10.44	8.13	3.23	10.05	7.95	3.30	9.64	7.76	3.39	9.22	7.57	3.61	8.69	7.33	3.92
		30°C	10.88	9.73	3.22	10.49	9.53	3.23	10.11	9.33	3.30	9.72	9.11	3.40	9.32	8.87	3.62	8.84	8.56	3.93
		33°C	11.10	10.85	3.23	10.77	10.57	3.25	10.44	10.26	3.32	10.11	9.94	3.43	9.76	9.60	3.65	9.32	9.18	3.97
	22°C	27°C	11.85	6.75	3.26	11.43	6.59	3.28	11.00	6.42	3.36	10.56	6.25	3.46	10.11	6.07	3.68	9.54	5.86	3.99
		30°C	11.88	8.28	3.26	11.45	8.10	3.28	11.03	7.93	3.36	10.59	7.74	3.46	10.13	7.55	3.68	9.57	7.32	3.99
		33°C	11.91	9.72	3.26	11.49	9.53	3.29	11.06	9.35	3.36	10.62	9.16	3.46	10.17	8.97	3.68	9.62	8.71	4.00
		36°C	11.99	11.06	3.27	11.58	10.84	3.29	11.18	10.62	3.37	10.78	10.37	3.47	10.37	10.09	3.70	9.89	9.71	4.02
1060	16°C	21°C	9.99	7.10	3.18	9.62	6.92	3.19	9.25	6.73	3.26	8.87	6.54	3.34	8.47	6.34	3.56	7.98	6.08	3.86
		24°C	10.03	8.62	3.19	9.66	8.42	3.20	9.29	8.23	3.26	8.91	8.02	3.35	8.52	7.81	3.56	8.03	7.53	3.86
		27°C	10.15	9.96	3.19	9.81	9.71	3.20	9.48	9.44	3.27	9.14	9.14	3.36	8.81	8.81	3.58	8.39	8.39	3.89
		30°C	10.67	10.67	3.21	10.36	10.36	3.23	10.04	10.04	3.30	9.71	9.71	3.40	9.37	9.37	3.62	8.93	8.93	3.94
	19°C	24°C	10.99	7.08	3.23	10.59	6.89	3.24	10.19	6.71	3.31	9.78	6.53	3.40	9.35	6.33	3.62	8.81	6.10	3.93
		27°C	11.03	8.63	3.23	10.63	8.44	3.24	10.23	8.24	3.31	9.81	8.05	3.41	9.38	7.84	3.62	8.85	7.59	3.93
		30°C	11.08	10.09	3.23	10.68	9.88	3.25	10.29	9.67	3.32	9.89	9.44	3.41	9.49	9.19	3.63	8.99	8.86	3.94
		33°C	11.30	11.25	3.24	10.96	10.96	3.26	10.63	10.63	3.34	10.29	10.29	3.44	9.93	9.93	3.67	9.49	9.49	3.99
	22°C	27°C	12.06	7.01	3.27	11.63	6.84	3.30	11.20	6.66	3.37	10.75	6.48	3.47	10.29	6.29	3.69	9.71	6.06	4.00
		30°C	12.09	8.59	3.27	11.66	8.40	3.30	11.22	8.21	3.37	10.77	8.02	3.47	10.31	7.82	3.69	9.74	7.58	4.01
		33°C	12.13	10.08	3.28	11.69	9.89	3.30	11.25	9.69	3.38	10.81	9.49	3.47	10.35	9.29	3.70	9.79	9.02	4.01
		36°C	12.21	11.47	3.28	11.79	11.24	3.30	11.38	11.00	3.38	10.97	10.74	3.49	10.56	10.45	3.71	10.06	10.04	4.04
1100 / 1190	16°C	21°C	10.10	7.28	3.19	9.73	7.08	3.20	9.36	6.89	3.26	8.97	6.69	3.35	8.57	6.49	3.56	8.07	6.22	3.86
		24°C	10.15	8.83	3.19	9.77	8.63	3.20	9.40	8.43	3.27	9.02	8.21	3.35	8.62	7.99	3.57	8.13	7.70	3.87
		27°C	10.27	10.21	3.20	9.93	9.93	3.21	9.59	9.59	3.28	9.25	9.25	3.37	8.91	8.91	3.59	8.49	8.49	3.90
		30°C	10.79	10.79	3.22	10.48	10.48	3.24	10.16	10.16	3.31	9.82	9.82	3.41	9.48	9.48	3.63	9.04	9.04	3.95
	19°C	24°C	11.12	7.25	3.23	10.72	7.06	3.25	10.31	6.87	3.32	9.89	6.68	3.41	9.46	6.48	3.63	8.92	6.23	3.93
		27°C	11.16	8.84	3.23	10.75	8.64	3.25	10.34	8.44	3.32	9.93	8.24	3.41	9.49	8.02	3.63	8.95	7.76	3.94
		30°C	11.21	10.34	3.24	10.80	10.12	3.25	10.41	9.90	3.32	10.01	9.66	3.42	9.60	9.40	3.64	9.10	9.06	3.95
		33°C	11.43	11.43	3.25	11.09	11.09	3.27	10.75	10.75	3.34	10.41	10.41	3.45	10.05	10.05	3.67	9.60	9.60	3.99
	22°C	27°C	12.20	7.18	3.28	11.77	7.00	3.30	11.33	6.82	3.38	10.87	6.63	3.48	10.41	6.44	3.70	9.82	6.20	4.01
		30°C	12.24	8.81	3.28	11.80	8.61	3.30	11.35	8.41	3.38	10.90	8.21	3.48	10.43	8.01	3.70	9.85	7.75	4.02
		33°C	12.27	10.33	3.28	11.83	10.13	3.31	11.39	9.93	3.38	10.93	9.72	3.48	10.47	9.50	3.71	9.90	9.22	4.02
		36°C	12.35	11.75	3.29	11.93	11.51	3.31	11.51	11.27	3.39	11.10	11.00	3.49	10.68	10.68	3.72	10.18	10.18	4.05

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM40CXV1 - R40DXV1 / FDB40CXV1 - R40DXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
900 / 970	16°C	21°C	10.51	6.83	2.70	10.14	6.65	2.92	9.76	6.47	3.16	9.37	6.29	3.43	8.60	5.85	3.72	7.94	5.50	4.10
		24°C	10.52	8.18	2.70	10.15	7.99	2.92	9.77	7.81	3.16	9.38	7.61	3.43	8.62	7.11	3.72	7.97	6.71	4.11
		27°C	10.60	9.27	2.71	10.25	9.06	2.93	9.89	8.85	3.17	9.52	8.62	3.44	8.78	8.03	3.73	8.17	7.54	4.12
		30°C	10.93	10.93	2.72	10.62	10.62	2.94	10.29	10.29	3.19	9.96	9.96	3.47	9.24	9.24	3.77	8.64	8.64	4.16
	19°C	24°C	11.59	6.38	2.74	11.18	6.22	2.97	10.77	6.05	3.22	10.35	5.88	3.49	9.51	5.48	3.79	8.79	5.16	4.17
		27°C	11.60	7.30	2.74	11.19	7.13	2.97	10.78	6.97	3.22	10.35	6.80	3.49	9.52	6.36	3.79	8.80	6.03	4.18
		30°C	11.62	9.00	2.75	11.21	8.81	2.97	10.82	8.62	3.22	10.41	8.41	3.49	9.58	7.86	3.79	8.89	7.44	4.18
		33°C	11.75	11.75	2.75	11.37	11.37	2.98	11.00	11.00	3.23	10.63	10.63	3.51	9.83	9.83	3.81	9.19	9.19	4.21
	22°C	27°C	12.75	6.24	2.79	12.31	6.09	3.03	11.86	5.94	3.28	11.40	5.78	3.56	10.48	5.38	3.86	9.70	5.07	4.25
		30°C	12.75	7.61	2.79	12.31	7.45	3.03	11.86	7.28	3.28	11.40	7.10	3.56	10.48	6.65	3.86	9.70	6.31	4.25
		33°C	12.76	8.88	2.79	12.32	8.72	3.03	11.87	8.54	3.28	11.41	8.37	3.56	10.50	7.85	3.86	9.73	7.46	4.26
		36°C	12.80	10.07	2.80	12.38	9.87	3.03	11.95	9.67	3.29	11.52	9.45	3.57	10.62	8.86	3.87	9.87	8.41	4.27
990 / 1000	16°C	21°C	10.93	7.12	2.73	10.54	6.94	2.95	10.14	6.75	3.19	9.72	6.56	3.46	8.92	6.11	3.75	8.23	5.75	4.14
		24°C	10.96	8.64	2.73	10.57	8.44	2.95	10.17	8.24	3.19	9.76	8.03	3.46	8.97	7.49	3.76	8.29	7.07	4.14
		27°C	11.09	9.82	2.73	10.72	9.59	2.96	10.35	9.34	3.20	9.98	9.06	3.48	9.21	8.42	3.77	8.58	7.88	4.17
		30°C	11.56	11.56	2.75	11.22	11.22	2.98	10.88	10.88	3.23	10.53	10.53	3.51	9.75	9.75	3.81	9.12	9.12	4.21
	19°C	24°C	12.04	6.74	2.77	11.61	6.57	3.00	11.18	6.40	3.25	10.73	6.22	3.52	9.85	5.80	3.82	9.10	5.46	4.21
		27°C	12.06	7.76	2.77	11.63	7.59	3.00	11.20	7.42	3.25	10.75	7.24	3.52	9.87	6.77	3.82	9.13	6.41	4.21
		30°C	12.12	9.57	2.77	11.70	9.37	3.00	11.28	9.16	3.25	10.85	8.93	3.53	9.99	8.35	3.83	9.27	7.89	4.22
		33°C	12.32	12.32	2.78	11.95	11.95	3.02	11.57	11.57	3.27	11.18	11.18	3.55	10.36	10.36	3.86	9.68	9.68	4.26
	22°C	27°C	13.23	6.60	2.82	12.76	6.44	3.06	12.29	6.28	3.31	11.80	6.11	3.59	10.84	5.70	3.90	10.03	5.38	4.29
		30°C	13.25	8.09	2.82	12.78	7.93	3.06	12.30	7.75	3.31	11.82	7.57	3.59	10.86	7.09	3.90	10.05	6.73	4.29
		33°C	13.27	9.49	2.82	12.81	9.30	3.06	12.34	9.11	3.32	11.85	8.92	3.60	10.90	8.37	3.90	10.11	7.94	4.30
		36°C	13.35	10.72	2.83	12.92	10.52	3.07	12.47	10.30	3.32	12.02	10.06	3.61	11.09	9.41	3.91	10.34	8.88	4.32
1060	16°C	21°C	11.33	7.43	2.75	10.92	7.24	2.97	10.50	7.05	3.22	10.06	6.85	3.49	9.23	6.38	3.78	8.51	6.01	4.17
		24°C	11.39	9.03	2.75	10.98	8.81	2.98	10.57	8.60	3.22	10.14	8.37	3.49	9.31	7.81	3.79	8.60	7.37	4.18
		27°C	11.58	10.35	2.76	11.20	10.08	2.99	10.82	9.80	3.24	10.43	9.49	3.51	9.64	8.79	3.81	8.98	8.21	4.21
		30°C	12.16	12.16	2.78	11.80	11.80	3.01	11.44	11.44	3.27	11.06	11.06	3.55	10.24	10.24	3.86	9.56	9.56	4.26
	19°C	24°C	12.47	7.13	2.79	12.02	6.95	3.02	11.57	6.77	3.28	11.10	6.59	3.55	10.18	6.14	3.85	9.40	5.79	4.24
		27°C	12.51	8.25	2.79	12.06	8.06	3.03	11.61	7.87	3.28	11.14	7.68	3.56	10.23	7.18	3.86	9.45	6.79	4.25
		30°C	12.61	10.15	2.80	12.17	9.93	3.03	11.73	9.70	3.29	11.28	9.46	3.56	10.39	8.83	3.87	9.64	8.32	4.26
		33°C	12.89	12.89	2.81	12.51	12.51	3.05	12.13	12.13	3.31	11.73	11.73	3.59	10.86	10.86	3.90	10.16	10.16	4.31
	22°C	27°C	13.69	6.97	2.85	13.20	6.82	3.08	12.71	6.65	3.34	12.19	6.47	3.62	11.20	6.04	3.93	10.35	5.70	4.33
		30°C	13.72	8.59	2.85	13.23	8.43	3.08	12.73	8.25	3.34	12.22	8.06	3.62	11.23	7.55	3.93	10.38	7.16	4.33
		33°C	13.76	10.07	2.85	13.29	9.90	3.09	12.80	9.69	3.35	12.30	9.47	3.63	11.31	8.88	3.94	10.48	8.43	4.34
		36°C	13.89	11.37	2.86	13.45	11.17	3.10	12.99	10.92	3.36	12.52	10.65	3.65	11.57	9.93	3.96	10.79	9.35	4.37
1100 / 1190	16°C	21°C	11.33	7.49	2.77	10.93	7.31	2.99	10.53	7.13	3.23	10.12	6.94	3.51	9.30	6.47	3.83	8.59	6.10	4.25
		24°C	11.37	9.16	2.78	10.96	8.96	2.99	10.57	8.77	3.23	10.16	8.56	3.51	9.34	8.01	3.83	8.65	7.55	4.26
		27°C	11.56	10.51	2.78	11.20	10.24	3.00	10.84	9.97	3.25	10.48	9.68	3.53	9.71	9.14	3.85	9.07	8.63	4.28
		30°C	12.18	12.18	2.81	11.84	11.84	3.03	11.50	11.50	3.28	11.14	11.14	3.57	10.33	10.33	3.89	9.67	9.67	4.33
	19°C	24°C	12.47	7.19	2.82	12.04	7.01	3.04	11.61	6.85	3.29	11.16	6.67	3.57	10.26	6.23	3.89	9.50	5.89	4.31
		27°C	12.50	8.33	2.82	12.07	8.16	3.04	11.64	7.99	3.29	11.19	7.81	3.57	10.29	7.32	3.89	9.52	6.95	4.32
		30°C	12.56	10.35	2.83	12.14	10.13	3.04	11.74	9.92	3.29	11.31	9.68	3.58	10.44	9.05	3.90	9.73	8.53	4.33
		33°C	12.90	12.90	2.84	12.53	12.53	3.06	12.18	12.18	3.32	11.81	11.81	3.61	10.97	10.97	3.93	10.29	10.29	4.37
	22°C	27°C	13.70	7.05	2.87	13.23	6.88	3.10	12.77	6.73	3.35	12.28	6.56	3.63	11.31	6.13	3.95	10.48	5.80	4.39
		30°C	13.73	8.72	2.88	13.26	8.54	3.10	12.79	8.36	3.35	12.31	8.18	3.64	11.33	7.67	3.96	10.51	7.30	4.39
		33°C	13.76	10.27	2.88	13.29	10.09	3.10	12.82	9.91	3.35	12.35	9.71	3.64	11.38	9.13	3.96	10.58	8.67	4.39
		36°C	13.89	11.64	2.88	13.45	11.41	3.11	13.02	11.17	3.36	12.60	10.89	3.65	11.67	10.18	3.98	10.92	9.61	4.42

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM40CXV1 - R40DXY1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
900	16°C	21°C	10.51	6.83	3.08	10.14	6.65	3.33	9.76	6.47	3.60	9.37	6.29	3.91	8.60	5.85	4.24	7.94	5.50	4.67
		24°C	10.52	8.18	3.08	10.15	7.99	3.33	9.77	7.81	3.61	9.38	7.61	3.91	8.62	7.11	4.24	7.97	6.71	4.68
		27°C	10.60	9.27	3.08	10.25	9.06	3.33	9.89	8.85	3.61	9.52	8.62	3.92	8.78	8.03	4.25	8.17	7.54	4.69
		30°C	10.93	10.93	3.10	10.62	10.62	3.35	10.29	10.29	3.64	9.96	9.96	3.95	9.24	9.24	4.29	8.64	8.64	4.74
	19°C	24°C	11.59	6.38	3.13	11.18	6.22	3.38	10.77	6.05	3.67	10.35	5.88	3.98	9.51	5.48	4.31	8.79	5.16	4.75
		27°C	11.60	7.30	3.13	11.19	7.13	3.38	10.78	6.97	3.67	10.35	6.80	3.98	9.52	6.36	4.32	8.80	6.03	4.76
		30°C	11.62	9.00	3.13	11.21	8.81	3.39	10.82	8.62	3.67	10.41	8.41	3.98	9.58	7.86	4.32	8.89	7.44	4.76
		33°C	11.75	11.75	3.13	11.37	11.37	3.40	11.00	11.00	3.68	10.63	10.63	4.00	9.83	9.83	4.34	9.19	9.19	4.79
	22°C	27°C	12.75	6.24	3.18	12.31	6.09	3.45	11.86	5.94	3.74	11.40	5.78	4.05	10.48	5.38	4.40	9.70	5.07	4.85
		30°C	12.75	7.61	3.18	12.31	7.45	3.45	11.86	7.28	3.74	11.40	7.10	4.06	10.48	6.65	4.40	9.70	6.31	4.85
		33°C	12.76	8.88	3.18	12.32	8.72	3.45	11.87	8.54	3.74	11.41	8.37	4.06	10.50	7.85	4.40	9.73	7.46	4.85
		36°C	12.80	10.07	3.19	12.38	9.87	3.45	11.95	9.67	3.74	11.52	9.45	4.06	10.62	8.86	4.41	9.87	8.41	4.86
990	16°C	21°C	10.93	7.12	3.10	10.54	6.94	3.36	10.14	6.75	3.64	9.72	6.56	3.94	8.92	6.11	4.28	8.23	5.75	4.71
		24°C	10.96	8.64	3.11	10.57	8.44	3.36	10.17	8.24	3.64	9.76	8.03	3.95	8.97	7.49	4.28	8.29	7.07	4.72
		27°C	11.09	9.82	3.11	10.72	9.59	3.37	10.35	9.34	3.65	9.98	9.06	3.96	9.21	8.42	4.30	8.58	7.88	4.75
		30°C	11.56	11.56	3.14	11.22	11.22	3.40	10.88	10.88	3.68	10.53	10.53	4.00	9.75	9.75	4.34	9.12	9.12	4.80
	19°C	24°C	12.04	6.74	3.16	11.61	6.57	3.42	11.18	6.40	3.70	10.73	6.22	4.01	9.85	5.80	4.35	9.10	5.46	4.80
		27°C	12.06	7.76	3.16	11.63	7.59	3.42	11.20	7.42	3.70	10.75	7.24	4.01	9.87	6.77	4.35	9.13	6.41	4.80
		30°C	12.12	9.57	3.16	11.70	9.37	3.42	11.28	9.16	3.71	10.85	8.93	4.02	9.99	8.35	4.36	9.27	7.89	4.81
		33°C	12.32	12.32	3.17	11.95	11.95	3.44	11.57	11.57	3.73	11.18	11.18	4.05	10.36	10.36	4.40	9.68	9.68	4.85
	22°C	27°C	13.23	6.60	3.21	12.76	6.44	3.48	12.29	6.28	3.77	11.80	6.11	4.09	10.84	5.70	4.44	10.03	5.38	4.89
		30°C	13.25	8.09	3.21	12.78	7.93	3.48	12.30	7.75	3.78	11.82	7.57	4.09	10.86	7.09	4.44	10.05	6.73	4.89
		33°C	13.27	9.49	3.22	12.81	9.30	3.48	12.34	9.11	3.78	11.85	8.92	4.10	10.90	8.37	4.45	10.11	7.94	4.90
		36°C	13.35	10.72	3.22	12.92	10.52	3.49	12.47	10.30	3.79	12.02	10.06	4.11	11.09	9.41	4.46	10.34	8.88	4.92
1060	16°C	21°C	11.33	7.43	3.13	10.92	7.24	3.39	10.50	7.05	3.67	10.06	6.85	3.97	9.23	6.38	4.31	8.51	6.01	4.75
		24°C	11.39	9.03	3.13	10.98	8.81	3.39	10.57	8.60	3.67	10.14	8.37	3.98	9.31	7.81	4.32	8.60	7.37	4.76
		27°C	11.58	10.35	3.14	11.20	10.08	3.40	10.82	9.80	3.69	10.43	9.49	4.00	9.64	8.79	4.34	8.98	8.21	4.79
		30°C	12.16	12.16	3.17	11.80	11.80	3.43	11.44	11.44	3.73	11.06	11.06	4.04	10.24	10.24	4.39	9.56	9.56	4.85
	19°C	24°C	12.47	7.13	3.18	12.02	6.95	3.44	11.57	6.77	3.73	11.10	6.59	4.05	10.18	6.14	4.39	9.40	5.79	4.83
		27°C	12.51	8.25	3.18	12.06	8.06	3.45	11.61	7.87	3.73	11.14	7.68	4.05	10.23	7.18	4.39	9.45	6.79	4.84
		30°C	12.61	10.15	3.19	12.17	9.93	3.45	11.73	9.70	3.74	11.28	9.46	4.06	10.39	8.83	4.41	9.64	8.32	4.86
		33°C	12.89	12.89	3.20	12.51	12.51	3.47	12.13	12.13	3.77	11.73	11.73	4.09	10.86	10.86	4.45	10.16	10.16	4.91
	22°C	27°C	13.69	6.97	3.24	13.20	6.82	3.51	12.71	6.65	3.81	12.19	6.47	4.13	11.20	6.04	4.48	10.35	5.70	4.93
		30°C	13.72	8.59	3.24	13.23	8.43	3.51	12.73	8.25	3.81	12.22	8.06	4.13	11.23	7.55	4.48	10.38	7.16	4.93
		33°C	13.76	10.07	3.25	13.29	9.90	3.52	12.80	9.69	3.81	12.30	9.47	4.14	11.31	8.88	4.49	10.48	8.43	4.94
		36°C	13.89	11.37	3.25	13.45	11.17	3.53	12.99	10.92	3.83	12.52	10.65	4.15	11.57	9.93	4.51	10.79	9.35	4.97
1100	16°C	21°C	11.33	7.49	3.16	10.93	7.31	3.40	10.53	7.13	3.68	10.12	6.94	4.00	9.30	6.47	4.36	8.59	6.10	4.84
		24°C	11.37	9.16	3.16	10.96	8.96	3.40	10.57	8.77	3.68	10.16	8.56	4.00	9.34	8.01	4.36	8.65	7.55	4.85
		27°C	11.56	10.51	3.17	11.20	10.24	3.42	10.84	9.97	3.70	10.48	9.68	4.02	9.71	9.14	4.39	9.07	8.63	4.88
		30°C	12.18	12.18	3.20	11.84	11.84	3.45	11.50	11.50	3.74	11.14	11.14	4.06	10.33	10.33	4.43	9.67	9.67	4.93
	19°C	24°C	12.47	7.19	3.21	12.04	7.01	3.46	11.61	6.85	3.74	11.16	6.67	4.06	10.26	6.23	4.43	9.50	5.89	4.92
		27°C	12.50	8.33	3.22	12.07	8.16	3.46	11.64	7.99	3.75	11.19	7.81	4.07	10.29	7.32	4.43	9.52	6.95	4.92
		30°C	12.56	10.35	3.22	12.14	10.13	3.47	11.74	9.92	3.75	11.31	9.68	4.07	10.44	9.05	4.44	9.73	8.53	4.93
		33°C	12.90	12.90	3.24	12.53	12.53	3.49	12.18	12.18	3.78	11.81	11.81	4.11	10.97	10.97	4.48	10.29	10.29	4.98
	22°C	27°C	13.70	7.05	3.27	13.23	6.88	3.53	12.77	6.73	3.81	12.28	6.56	4.14	11.31	6.13	4.51	10.48	5.80	5.00
		30°C	13.73	8.72	3.28	13.26	8.54	3.53	12.79	8.36	3.82	12.31	8.18	4.14	11.33	7.67	4.51	10.51	7.30	5.00
		33°C	13.76	10.27	3.28	13.29	10.09	3.53	12.82	9.91	3.82	12.35	9.71	4.15	11.38	9.13	4.51	10.58	8.67	5.00
		36°C	13.89	11.64	3.28	13.45	11.41	3.54	13.02	11.17	3.83	12.60	10.89	4.16	11.67	10.18	4.53	10.92	9.61	5.03

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDB40CXV1 - R40DXY1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
970	16°C	21°C	10.51	6.83	2.96	10.14	6.65	3.20	9.76	6.48	3.47	9.37	6.29	3.76	8.60	5.85	4.08	7.94	5.51	4.50
		24°C	10.52	8.18	2.96	10.15	8.00	3.20	9.77	7.81	3.47	9.38	7.61	3.76	8.62	7.11	4.08	7.97	6.71	4.50
		27°C	10.60	9.28	2.97	10.25	9.07	3.21	9.89	8.85	3.48	9.52	8.63	3.77	8.78	8.03	4.09	8.17	7.54	4.52
		30°C	10.93	10.93	2.98	10.62	10.62	3.23	10.29	10.29	3.50	9.96	9.96	3.80	9.24	9.24	4.13	8.64	8.64	4.56
	19°C	24°C	11.59	6.38	3.01	11.18	6.22	3.26	10.77	6.05	3.53	10.35	5.88	3.83	9.51	5.48	4.15	8.79	5.16	4.58
		27°C	11.60	7.30	3.01	11.19	7.13	3.26	10.78	6.97	3.53	10.35	6.80	3.83	9.52	6.36	4.15	8.80	6.03	4.58
		30°C	11.62	9.01	3.01	11.21	8.82	3.26	10.82	8.62	3.53	10.41	8.41	3.83	9.58	7.87	4.16	8.89	7.44	4.58
		33°C	11.75	11.75	3.02	11.37	11.37	3.27	11.00	11.00	3.54	10.63	10.63	3.85	9.83	9.83	4.18	9.19	9.19	4.61
	22°C	27°C	12.75	6.24	3.06	12.31	6.09	3.32	11.86	5.94	3.60	11.40	5.78	3.90	10.48	5.38	4.23	9.70	5.08	4.66
		30°C	12.75	7.61	3.06	12.31	7.45	3.32	11.86	7.28	3.60	11.40	7.11	3.90	10.48	6.65	4.23	9.70	6.31	4.66
		33°C	12.76	8.89	3.06	12.32	8.72	3.32	11.87	8.54	3.60	11.41	8.37	3.90	10.50	7.86	4.23	9.73	7.46	4.67
		36°C	12.80	10.08	3.07	12.38	9.88	3.32	11.95	9.67	3.60	11.52	9.46	3.91	10.62	8.87	4.24	9.87	8.41	4.68
1000	16°C	21°C	10.93	7.12	2.99	10.54	6.94	3.23	10.14	6.76	3.50	9.72	6.56	3.79	8.92	6.11	4.11	8.23	5.75	4.54
		24°C	10.96	8.65	2.99	10.57	8.44	3.23	10.17	8.24	3.50	9.76	8.03	3.80	8.97	7.50	4.12	8.29	7.07	4.54
		27°C	11.09	9.82	3.00	10.72	9.59	3.24	10.35	9.35	3.51	9.98	9.07	3.81	9.21	8.42	4.14	8.58	7.88	4.57
		30°C	11.56	11.56	3.02	11.22	11.22	3.27	10.88	10.88	3.54	10.53	10.53	3.85	9.75	9.75	4.18	9.12	9.12	4.62
	19°C	24°C	12.04	6.74	3.04	11.61	6.57	3.29	11.18	6.40	3.56	10.73	6.22	3.86	9.85	5.80	4.19	9.10	5.47	4.61
		27°C	12.06	7.76	3.04	11.63	7.59	3.29	11.20	7.42	3.56	10.75	7.24	3.86	9.87	6.77	4.19	9.13	6.41	4.62
		30°C	12.12	9.58	3.04	11.70	9.37	3.29	11.28	9.16	3.57	10.85	8.93	3.87	9.99	8.35	4.20	9.27	7.89	4.63
		33°C	12.32	12.32	3.05	11.95	11.95	3.31	11.57	11.57	3.59	11.18	11.18	3.89	10.36	10.36	4.23	9.68	9.68	4.67
	22°C	27°C	13.23	6.60	3.09	12.76	6.44	3.35	12.29	6.28	3.63	11.80	6.11	3.94	10.84	5.70	4.27	10.03	5.38	4.70
		30°C	13.25	8.10	3.09	12.78	7.93	3.35	12.30	7.75	3.63	11.82	7.57	3.94	10.86	7.09	4.27	10.05	6.73	4.71
		33°C	13.27	9.49	3.09	12.81	9.31	3.35	12.34	9.12	3.64	11.85	8.92	3.94	10.90	8.37	4.28	10.11	7.95	4.71
		36°C	13.35	10.73	3.10	12.92	10.52	3.36	12.47	10.30	3.64	12.02	10.06	3.95	11.09	9.42	4.29	10.34	8.88	4.73
1060	16°C	21°C	11.33	7.43	3.01	10.92	7.24	3.26	10.50	7.05	3.53	10.06	6.85	3.82	9.23	6.38	4.15	8.51	6.01	4.57
		24°C	11.39	9.03	3.02	10.98	8.82	3.26	10.57	8.60	3.53	10.14	8.37	3.83	9.31	7.82	4.15	8.60	7.37	4.58
		27°C	11.58	10.35	3.02	11.20	10.08	3.27	10.82	9.80	3.55	10.43	9.50	3.85	9.64	8.80	4.18	8.98	8.21	4.61
		30°C	12.16	12.16	3.05	11.80	11.80	3.30	11.44	11.44	3.58	11.06	11.06	3.89	10.24	10.24	4.23	9.56	9.56	4.67
	19°C	24°C	12.47	7.13	3.06	12.02	6.95	3.31	11.57	6.77	3.59	11.10	6.59	3.89	10.18	6.14	4.22	9.40	5.80	4.65
		27°C	12.51	8.25	3.06	12.06	8.06	3.32	11.61	7.87	3.59	11.14	7.68	3.90	10.23	7.18	4.23	9.45	6.79	4.66
		30°C	12.61	10.15	3.07	12.17	9.93	3.32	11.73	9.70	3.60	11.28	9.46	3.91	10.39	8.83	4.24	9.64	8.33	4.67
		33°C	12.89	12.89	3.08	12.51	12.51	3.34	12.13	12.13	3.63	11.73	11.73	3.94	10.86	10.86	4.28	10.16	10.16	4.72
	22°C	27°C	13.69	6.97	3.12	13.20	6.82	3.38	12.71	6.65	3.66	12.19	6.47	3.97	11.20	6.04	4.31	10.35	5.71	4.74
		30°C	13.72	8.60	3.12	13.23	8.43	3.38	12.73	8.25	3.66	12.22	8.06	3.97	11.23	7.55	4.31	10.38	7.16	4.75
		33°C	13.76	10.08	3.12	13.29	9.90	3.39	12.80	9.69	3.67	12.30	9.48	3.98	11.31	8.88	4.32	10.48	8.43	4.76
		36°C	13.89	11.38	3.13	13.45	11.17	3.40	12.99	10.92	3.68	12.52	10.65	4.00	11.57	9.94	4.34	10.79	9.35	4.79
1190	16°C	21°C	11.33	7.49	3.04	10.93	7.31	3.27	10.53	7.13	3.54	10.12	6.95	3.85	9.30	6.47	4.19	8.59	6.10	4.66
		24°C	11.37	9.16	3.04	10.96	8.97	3.28	10.57	8.77	3.54	10.16	8.56	3.85	9.34	8.01	4.20	8.65	7.56	4.66
		27°C	11.56	10.51	3.05	11.20	10.25	3.29	10.84	9.98	3.56	10.48	9.68	3.87	9.71	9.15	4.22	9.07	8.63	4.70
		30°C	12.18	12.18	3.08	11.84	11.84	3.32	11.50	11.50	3.60	11.14	11.14	3.91	10.33	10.33	4.26	9.67	9.67	4.74
	19°C	24°C	12.47	7.19	3.09	12.04	7.02	3.33	11.61	6.85	3.60	11.16	6.67	3.91	10.26	6.23	4.26	9.50	5.89	4.73
		27°C	12.50	8.34	3.09	12.07	8.16	3.33	11.64	7.99	3.60	11.19	7.81	3.91	10.29	7.32	4.26	9.52	6.96	4.73
		30°C	12.56	10.35	3.10	12.14	10.13	3.34	11.74	9.92	3.61	11.31	9.68	3.92	10.44	9.05	4.27	9.73	8.53	4.75
		33°C	12.90	12.90	3.11	12.53	12.53	3.36	12.18	12.18	3.64	11.81	11.81	3.95	10.97	10.97	4.31	10.29	10.29	4.79
	22°C	27°C	13.70	7.05	3.15	13.23	6.89	3.39	12.77	6.73	3.67	12.28	6.56	3.98	11.31	6.13	4.34	10.48	5.80	4.81
		30°C	13.73	8.72	3.15	13.26	8.54	3.40	12.79	8.36	3.67	12.31	8.18	3.99	11.33	7.68	4.34	10.51	7.30	4.81
		33°C	13.76	10.27	3.15	13.29	10.09	3.40	12.82	9.91	3.67	12.35	9.71	3.99	11.38	9.13	4.34	10.58	8.67	4.81
		36°C	13.89	11.64	3.16	13.45	11.41	3.41	13.02	11.17	3.69	12.60	10.90	4.01	11.67	10.19	4.36	10.92	9.61	4.84

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM50CXV1 - R50DXY1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
1210	16°C	21°C	13.30	9.41	3.76	12.83	9.17	4.07	12.35	8.92	4.41	11.86	8.67	4.78	10.89	8.06	5.18	10.05	7.59	5.71
		24°C	13.32	11.27	3.76	12.84	11.01	4.07	12.37	10.76	4.41	11.87	10.49	4.78	10.91	9.80	5.18	10.09	9.24	5.72
		27°C	13.42	12.78	3.77	12.98	12.49	4.08	12.52	12.20	4.42	12.05	11.88	4.79	11.12	11.06	5.20	10.34	10.34	5.74
		30°C	13.84	13.84	3.79	13.44	13.44	4.10	13.03	13.03	4.45	12.61	12.61	4.83	11.69	11.69	5.24	10.94	10.94	5.79
	19°C	24°C	14.67	8.79	3.82	14.16	8.57	4.14	13.64	8.34	4.48	13.10	8.10	4.86	12.04	7.55	5.27	11.13	7.11	5.81
		27°C	14.68	10.06	3.82	14.16	9.83	4.14	13.64	9.60	4.48	13.11	9.37	4.86	12.05	8.77	5.27	11.14	8.30	5.81
		30°C	14.70	12.41	3.82	14.19	12.14	4.14	13.69	11.87	4.49	13.17	11.59	4.87	12.13	10.84	5.28	11.25	10.26	5.82
		33°C	14.88	14.88	3.83	14.39	14.39	4.15	13.93	13.93	4.50	13.45	13.45	4.88	12.45	12.45	5.31	11.63	11.63	5.86
	22°C	27°C	16.14	8.60	3.89	15.58	8.39	4.21	15.01	8.18	4.57	14.43	7.96	4.96	13.27	7.42	5.38	12.28	6.99	5.92
		30°C	16.14	10.48	3.89	15.59	10.26	4.21	15.01	10.03	4.57	14.43	9.79	4.96	13.27	9.16	5.38	12.28	8.69	5.92
		33°C	16.15	12.24	3.89	15.59	12.01	4.22	15.03	11.77	4.57	14.44	11.53	4.96	13.29	10.82	5.38	12.31	10.28	5.93
		36°C	16.21	13.88	3.89	15.67	13.61	4.22	15.13	13.32	4.58	14.58	13.03	4.97	13.44	12.21	5.39	12.50	11.59	5.94
1280	16°C	21°C	13.83	9.81	3.79	13.33	9.56	4.10	12.83	9.30	4.44	12.31	9.04	4.82	11.29	8.42	5.23	10.42	7.92	5.76
		24°C	13.88	11.91	3.80	13.38	11.63	4.11	12.88	11.35	4.45	12.36	11.07	4.82	11.35	10.32	5.23	10.49	9.74	5.77
		27°C	14.04	13.53	3.81	13.57	13.21	4.12	13.10	12.87	4.46	12.63	12.49	4.84	11.66	11.60	5.26	10.86	10.85	5.80
		30°C	14.63	14.63	3.83	14.20	14.20	4.15	13.77	13.77	4.50	13.32	13.32	4.89	12.35	12.35	5.31	11.54	11.54	5.86
	19°C	24°C	15.24	9.28	3.86	14.70	9.05	4.17	14.15	8.81	4.52	13.58	8.57	4.90	12.47	7.99	5.32	11.52	7.53	5.86
		27°C	15.27	10.69	3.86	14.72	10.45	4.18	14.17	10.22	4.52	13.60	9.98	4.91	12.50	9.33	5.32	11.55	8.83	5.87
		30°C	15.34	13.19	3.86	14.81	12.90	4.18	14.28	12.61	4.53	13.73	12.31	4.92	12.64	11.51	5.33	11.73	10.87	5.88
		33°C	15.60	15.60	3.88	15.12	15.12	4.20	14.64	14.64	4.56	14.15	14.15	4.95	13.11	13.11	5.37	12.26	12.26	5.93
	22°C	27°C	16.75	9.09	3.93	16.16	8.87	4.26	15.56	8.65	4.61	14.94	8.42	5.00	13.73	7.85	5.42	12.70	7.41	5.97
		30°C	16.77	11.15	3.93	16.17	10.92	4.26	15.57	10.68	4.61	14.95	10.43	5.00	13.74	9.77	5.43	12.71	9.27	5.98
		33°C	16.80	13.07	3.93	16.21	12.82	4.26	15.62	12.56	4.62	15.00	12.29	5.01	13.80	11.53	5.43	12.79	10.94	5.99
		36°C	16.90	14.77	3.94	16.35	14.49	4.27	15.78	14.19	4.63	15.21	13.86	5.02	14.03	12.97	5.45	13.08	12.24	6.01
1380	16°C	21°C	14.34	10.24	3.83	13.82	9.98	4.14	13.29	9.71	4.48	12.74	9.44	4.86	11.68	8.79	5.27	10.77	8.28	5.81
		24°C	14.42	12.44	3.83	13.90	12.14	4.14	13.37	11.85	4.49	12.83	11.54	4.86	11.79	10.76	5.28	10.89	10.15	5.81
		27°C	14.65	14.25	3.84	14.17	13.89	4.16	13.69	13.50	4.51	13.20	13.08	4.89	12.20	12.12	5.31	11.37	11.31	5.86
		30°C	15.39	15.39	3.87	14.94	14.94	4.20	14.48	14.48	4.55	14.00	14.00	4.94	12.96	12.96	5.37	12.11	12.11	5.93
	19°C	24°C	15.79	9.82	3.89	15.22	9.58	4.21	14.64	9.33	4.56	14.04	9.08	4.94	12.89	8.46	5.36	11.90	7.98	5.91
		27°C	15.84	11.36	3.89	15.27	11.10	4.21	14.69	10.84	4.56	14.10	10.58	4.95	12.95	9.89	5.37	11.96	9.36	5.92
		30°C	15.97	13.98	3.90	15.40	13.68	4.22	14.85	13.36	4.58	14.28	13.03	4.96	13.15	12.17	5.38	12.21	11.47	5.94
		33°C	16.31	16.31	3.92	15.83	15.83	4.25	15.35	15.35	4.61	14.84	14.84	5.00	13.75	13.75	5.44	12.86	12.86	6.00
	22°C	27°C	17.33	9.60	3.96	16.71	9.39	4.29	16.08	9.16	4.65	15.43	8.92	5.04	14.18	8.32	5.47	13.10	7.86	6.02
		30°C	17.36	11.84	3.96	16.74	11.62	4.29	16.11	11.36	4.65	15.47	11.11	5.05	14.21	10.40	5.47	13.14	9.86	6.03
		33°C	17.42	13.88	3.97	16.82	13.64	4.30	16.20	13.35	4.66	15.56	13.05	5.06	14.32	12.24	5.48	13.27	11.61	6.04
		36°C	17.58	15.67	3.98	17.03	15.38	4.31	16.44	15.05	4.68	15.85	14.67	5.08	14.64	13.69	5.51	13.66	12.89	6.08
1590	16°C	21°C	14.34	10.33	3.86	13.83	10.08	4.16	13.33	9.83	4.50	12.81	9.57	4.89	11.77	8.92	5.33	10.87	8.40	5.92
		24°C	14.39	12.62	3.87	13.88	12.35	4.16	13.38	12.08	4.50	12.86	11.80	4.89	11.83	11.03	5.33	10.95	10.41	5.93
		27°C	14.63	14.48	3.88	14.18	14.11	4.18	13.73	13.73	4.52	13.27	13.27	4.92	12.29	12.29	5.36	11.48	11.48	5.97
		30°C	15.42	15.42	3.91	14.98	14.98	4.22	14.55	14.55	4.57	14.10	14.10	4.97	13.08	13.08	5.42	12.24	12.24	6.02
	19°C	24°C	15.78	9.90	3.93	15.24	9.67	4.23	14.69	9.43	4.57	14.12	9.19	4.97	12.99	8.59	5.41	12.02	8.12	6.01
		27°C	15.83	11.48	3.93	15.28	11.24	4.23	14.73	11.01	4.58	14.16	10.76	4.97	13.03	10.09	5.41	12.06	9.58	6.01
		30°C	15.91	14.27	3.93	15.37	13.96	4.24	14.86	13.66	4.58	14.32	13.34	4.98	13.22	12.47	5.43	12.32	11.75	6.03
		33°C	16.33	16.33	3.95	15.86	15.86	4.26	15.42	15.42	4.62	14.95	14.95	5.02	13.89	13.89	5.48	13.02	13.02	6.09
	22°C	27°C	17.35	9.71	4.00	16.75	9.49	4.31	16.16	9.27	4.66	15.55	9.04	5.06	14.32	8.45	5.51	13.27	7.99	6.11
		30°C	17.38	12.01	4.00	16.79	11.76	4.31	16.20	11.52	4.66	15.58	11.27	5.06	14.35	10.57	5.51	13.30	10.05	6.11
		33°C	17.43	14.15	4.01	16.83	13.90	4.32	16.23	13.65	4.67	15.63	13.38	5.07	14.41	12.58	5.51	13.39	11.95	6.12
		36°C	17.59	16.04	4.01	17.03	15.72	4.33	16.48	15.39	4.68	15.95	15.01	5.09	14.77	14.03	5.54	13.82	13.24	6.15

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDB50CXV1 - R50DXY1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
1270	16°C	21°C	13.30	9.42	3.69	12.83	9.17	3.99	12.35	8.93	4.33	11.86	8.67	4.69	10.89	8.07	5.09	10.05	7.59	5.61
		24°C	13.32	11.28	3.69	12.84	11.02	4.00	12.37	10.76	4.33	11.87	10.50	4.69	10.91	9.80	5.09	10.09	9.25	5.61
		27°C	13.42	12.79	3.70	12.98	12.50	4.00	12.52	12.20	4.34	12.05	11.89	4.70	11.12	11.06	5.10	10.34	10.34	5.63
		30°C	13.84	13.84	3.72	13.44	13.44	4.02	13.03	13.03	4.36	12.61	12.61	4.74	11.69	11.69	5.15	10.94	10.94	5.69
	19°C	24°C	14.67	8.79	3.75	14.16	8.57	4.06	13.64	8.34	4.40	13.10	8.11	4.77	12.04	7.55	5.18	11.13	7.11	5.71
		27°C	14.68	10.06	3.75	14.16	9.83	4.06	13.64	9.61	4.40	13.11	9.38	4.77	12.05	8.77	5.18	11.14	8.31	5.71
		30°C	14.70	12.41	3.75	14.19	12.15	4.06	13.69	11.88	4.40	13.17	11.59	4.78	12.13	10.84	5.18	11.25	10.26	5.72
		33°C	14.88	14.88	3.76	14.39	14.39	4.07	13.93	13.93	4.42	13.45	13.45	4.80	12.45	12.45	5.21	11.63	11.63	5.75
	22°C	27°C	16.14	8.61	3.82	15.58	8.40	4.14	15.01	8.19	4.49	14.43	7.96	4.87	13.27	7.42	5.28	12.28	7.00	5.82
		30°C	16.14	10.49	3.82	15.59	10.26	4.14	15.01	10.03	4.49	14.43	9.79	4.87	13.27	9.17	5.28	12.28	8.69	5.82
		33°C	16.15	12.25	3.82	15.59	12.02	4.14	15.03	11.78	4.49	14.44	11.53	4.87	13.29	10.83	5.28	12.31	10.29	5.82
		36°C	16.21	13.89	3.82	15.67	13.61	4.14	15.13	13.33	4.49	14.58	13.03	4.88	13.44	12.22	5.29	12.50	11.59	5.83
1310	16°C	21°C	13.83	9.82	3.73	13.33	9.56	4.03	12.83	9.31	4.36	12.31	9.05	4.73	11.29	8.42	5.13	10.42	7.93	5.66
		24°C	13.88	11.92	3.73	13.38	11.64	4.03	12.88	11.36	4.37	12.36	11.07	4.74	11.35	10.33	5.14	10.49	9.75	5.66
		27°C	14.04	13.53	3.74	13.57	13.22	4.04	13.10	12.88	4.38	12.63	12.49	4.75	11.66	11.60	5.16	10.86	10.86	5.69
		30°C	14.63	14.63	3.76	14.20	14.20	4.08	13.77	13.77	4.42	13.32	13.32	4.80	12.35	12.35	5.21	11.54	11.54	5.76
	19°C	24°C	15.24	9.29	3.79	14.70	9.05	4.10	14.15	8.82	4.44	13.58	8.58	4.82	12.47	7.99	5.22	11.52	7.53	5.75
		27°C	15.27	10.70	3.79	14.72	10.46	4.10	14.17	10.22	4.44	13.60	9.98	4.82	12.50	9.33	5.23	11.55	8.83	5.76
		30°C	15.34	13.20	3.79	14.81	12.91	4.11	14.28	12.62	4.45	13.73	12.31	4.83	12.64	11.51	5.24	11.73	10.88	5.77
		33°C	15.60	15.60	3.80	15.12	15.12	4.12	14.64	14.64	4.47	14.15	14.15	4.86	13.11	13.11	5.28	12.26	12.26	5.82
	22°C	27°C	16.75	9.09	3.86	16.16	8.88	4.18	15.56	8.65	4.53	14.94	8.42	4.91	13.73	7.85	5.33	12.70	7.41	5.87
		30°C	16.77	11.16	3.86	16.17	10.93	4.18	15.57	10.68	4.53	14.95	10.43	4.91	13.74	9.77	5.33	12.71	9.27	5.87
		33°C	16.80	13.07	3.86	16.21	12.82	4.18	15.62	12.56	4.53	15.00	12.29	4.92	13.80	11.53	5.33	12.79	10.95	5.88
		36°C	16.90	14.78	3.87	16.35	14.50	4.19	15.78	14.20	4.54	15.21	13.87	4.93	14.03	12.98	5.35	13.08	12.24	5.90
1330	16°C	21°C	14.34	10.24	3.76	13.82	9.98	4.06	13.29	9.72	4.40	12.74	9.45	4.77	11.68	8.80	5.17	10.77	8.28	5.70
		24°C	14.42	12.44	3.76	13.90	12.15	4.07	13.37	11.85	4.41	12.83	11.54	4.78	11.79	10.77	5.18	10.89	10.15	5.71
		27°C	14.65	14.26	3.77	14.17	13.89	4.08	13.69	13.50	4.42	13.20	13.09	4.80	12.20	12.12	5.21	11.37	11.32	5.75
		30°C	15.39	15.39	3.80	14.94	14.94	4.12	14.48	14.48	4.47	14.00	14.00	4.85	12.96	12.96	5.27	12.11	12.11	5.82
	19°C	24°C	15.79	9.82	3.82	15.22	9.58	4.13	14.64	9.33	4.48	14.04	9.08	4.85	12.89	8.47	5.27	11.90	7.99	5.80
		27°C	15.84	11.37	3.82	15.27	11.11	4.14	14.69	10.85	4.48	14.10	10.58	4.86	12.95	9.89	5.27	11.96	9.36	5.81
		30°C	15.97	13.99	3.83	15.40	13.68	4.14	14.85	13.37	4.49	14.28	13.03	4.87	13.15	12.17	5.29	12.21	11.47	5.83
		33°C	16.31	16.31	3.85	15.83	15.83	4.17	15.35	15.35	4.52	14.84	14.84	4.91	13.75	13.75	5.34	12.86	12.86	5.89
	22°C	27°C	17.33	9.61	3.89	16.71	9.40	4.21	16.08	9.16	4.57	15.43	8.92	4.95	14.18	8.33	5.37	13.10	7.86	5.91
		30°C	17.36	11.85	3.89	16.74	11.62	4.22	16.11	11.37	4.57	15.47	11.11	4.96	14.21	10.40	5.37	13.14	9.86	5.92
		33°C	17.42	13.88	3.90	16.82	13.64	4.22	16.20	13.35	4.58	15.56	13.06	4.96	14.32	12.24	5.38	13.27	11.62	5.93
		36°C	17.58	15.68	3.90	17.03	15.39	4.23	16.44	15.05	4.59	15.85	14.68	4.98	14.64	13.69	5.41	13.66	12.89	5.97
1510	16°C	21°C	14.34	10.33	3.79	13.83	10.08	4.08	13.33	9.83	4.42	12.81	9.57	4.80	11.77	8.92	5.23	10.87	8.41	5.81
		24°C	14.39	12.63	3.80	13.88	12.36	4.09	13.38	12.09	4.42	12.86	11.80	4.80	11.83	11.04	5.23	10.95	10.41	5.82
		27°C	14.63	14.48	3.81	14.18	14.12	4.10	13.73	13.73	4.44	13.27	13.27	4.83	12.29	12.29	5.27	11.48	11.48	5.86
		30°C	15.42	15.42	3.84	14.98	14.98	4.14	14.55	14.55	4.48	14.10	14.10	4.88	13.08	13.08	5.32	12.24	12.24	5.91
	19°C	24°C	15.78	9.91	3.86	15.24	9.67	4.15	14.69	9.44	4.49	14.12	9.20	4.88	12.99	8.59	5.31	12.02	8.12	5.90
		27°C	15.83	11.49	3.86	15.28	11.25	4.16	14.73	11.01	4.49	14.16	10.77	4.88	13.03	10.09	5.32	12.06	9.59	5.90
		30°C	15.91	14.27	3.86	15.37	13.97	4.16	14.86	13.67	4.50	14.32	13.34	4.89	13.22	12.47	5.33	12.32	11.76	5.92
		33°C	16.33	16.33	3.88	15.86	15.86	4.19	15.42	15.42	4.53	14.95	14.95	4.93	13.89	13.89	5.38	13.02	13.02	5.98
	22°C	27°C	17.35	9.72	3.93	16.75	9.49	4.23	16.16	9.27	4.58	15.55	9.04	4.97	14.32	8.45	5.41	13.27	8.00	6.00
		30°C	17.38	12.02	3.93	16.79	11.77	4.24	16.20	11.53	4.58	15.58	11.28	4.97	14.35	10.58	5.41	13.30	10.06	6.00
		33°C	17.43	14.16	3.93	16.83	13.91	4.24	16.23	13.66	4.58	15.63	13.39	4.97	14.41	12.58	5.41	13.39	11.95	6.00
		36°C	17.59	16.04	3.94	17.03	15.73	4.25	16.48	15.40	4.60	15.95	15.02	5.00	14.77	14.04	5.44	13.82	13.25	6.04

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDM60CXV1 - R61DXY1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
1290	16°C	21°C	15.99	9.94	5.57	15.41	9.69	5.58	14.83	9.43	5.69	14.22	9.17	5.85	13.58	8.90	6.22	12.79	8.56	6.74
		24°C	16.06	12.07	5.57	15.47	11.80	5.59	14.89	11.54	5.70	14.28	11.26	5.85	13.66	10.97	6.22	12.88	10.60	6.75
		27°C	16.25	13.94	5.58	15.72	13.60	5.60	15.20	13.23	5.72	14.66	12.84	5.88	14.12	12.39	6.26	13.45	11.82	6.80
		30°C	17.08	14.95	5.62	16.59	14.52	5.65	16.09	14.09	5.77	15.56	13.64	5.94	15.01	13.18	6.33	14.32	12.59	6.88
	19°C	24°C	17.60	9.90	5.64	16.97	9.66	5.67	16.33	9.41	5.79	15.67	9.16	5.95	14.99	8.90	6.33	14.13	8.58	6.86
		27°C	17.66	12.08	5.64	17.02	11.82	5.67	16.39	11.56	5.79	15.73	11.29	5.95	15.04	11.02	6.33	14.18	10.68	6.87
		30°C	17.73	14.13	5.65	17.10	13.84	5.67	16.49	13.56	5.80	15.86	13.24	5.96	15.21	12.91	6.35	14.42	12.46	6.89
		33°C	18.09	15.75	5.66	17.56	15.35	5.70	17.03	14.92	5.83	16.49	14.45	6.01	15.92	13.97	6.41	15.21	13.37	6.97
	22°C	27°C	19.32	9.81	5.72	18.63	9.57	5.76	17.94	9.33	5.89	17.23	9.09	6.06	16.49	8.84	6.46	15.57	8.53	7.00
		30°C	19.36	12.03	5.73	18.68	11.77	5.76	17.98	11.52	5.90	17.27	11.26	6.07	16.53	10.99	6.46	15.61	10.66	7.01
		33°C	19.42	14.11	5.73	18.73	13.85	5.77	18.04	13.59	5.90	17.32	13.32	6.07	16.59	13.05	6.47	15.69	12.69	7.01
		36°C	19.55	16.05	5.73	18.88	15.74	5.78	18.23	15.43	5.91	17.58	15.08	6.09	16.92	14.68	6.49	16.13	14.13	7.06
1430	16°C	21°C	16.41	10.47	5.60	15.81	10.20	5.61	15.20	9.93	5.72	14.58	9.65	5.88	13.93	9.36	6.25	13.11	8.99	6.78
		24°C	16.48	12.71	5.60	15.87	12.43	5.61	15.27	12.14	5.73	14.64	11.85	5.88	14.00	11.54	6.26	13.20	11.13	6.79
		27°C	16.67	14.69	5.61	16.13	14.32	5.63	15.58	13.93	5.75	15.03	13.51	5.91	14.48	13.03	6.29	13.79	12.42	6.84
		30°C	17.53	15.75	5.65	17.02	15.29	5.67	16.50	14.83	5.80	15.96	14.35	5.97	15.39	13.86	6.37	14.69	13.23	6.92
	19°C	24°C	18.06	10.43	5.67	17.41	10.17	5.69	16.75	9.91	5.82	16.07	9.63	5.98	15.36	9.36	6.36	14.49	9.01	6.90
		27°C	18.12	12.73	5.67	17.46	12.44	5.70	16.80	12.17	5.82	16.12	11.88	5.98	15.42	11.58	6.37	14.54	11.22	6.91
		30°C	18.20	14.88	5.68	17.54	14.58	5.70	16.91	14.27	5.83	16.26	13.93	5.99	15.59	13.57	6.38	14.78	13.09	6.93
		33°C	18.57	16.60	5.69	18.01	16.17	5.73	17.46	15.70	5.86	16.91	15.20	6.04	16.32	14.69	6.44	15.60	14.05	7.01
	22°C	27°C	19.82	10.33	5.75	19.11	10.08	5.79	18.40	9.83	5.92	17.66	9.56	6.10	16.90	9.29	6.49	15.96	8.96	7.04
		30°C	19.87	12.67	5.75	19.16	12.40	5.79	18.44	12.12	5.93	17.71	11.84	6.10	16.95	11.56	6.49	16.01	11.20	7.04
		33°C	19.93	14.86	5.76	19.21	14.58	5.80	18.49	14.31	5.93	17.76	14.02	6.11	17.01	13.72	6.50	16.08	13.33	7.05
		36°C	20.06	16.91	5.76	19.37	16.58	5.81	18.70	16.24	5.94	18.02	15.86	6.12	17.35	15.43	6.53	16.54	14.85	7.10
1530	16°C	21°C	16.70	10.86	5.62	16.09	10.58	5.63	15.47	10.30	5.74	14.83	10.00	5.90	14.17	9.70	6.27	13.34	9.31	6.80
		24°C	16.78	13.19	5.62	16.15	12.89	5.64	15.54	12.59	5.75	14.90	12.27	5.90	14.25	11.95	6.28	13.43	11.52	6.81
		27°C	16.97	15.24	5.63	16.41	14.85	5.65	15.86	14.44	5.77	15.30	14.00	5.93	14.73	13.50	6.32	14.03	12.85	6.86
		30°C	17.84	16.34	5.67	17.32	15.86	5.70	16.79	15.38	5.82	16.24	14.87	5.99	15.67	14.35	6.39	14.94	13.69	6.94
	19°C	24°C	18.38	10.82	5.69	17.72	10.55	5.72	17.05	10.27	5.84	16.35	9.98	6.00	15.64	9.69	6.39	14.74	9.32	6.92
		27°C	18.44	13.20	5.69	17.77	12.91	5.72	17.10	12.61	5.84	16.41	12.31	6.01	15.69	11.99	6.39	14.80	11.61	6.93
		30°C	18.53	15.44	5.70	17.86	15.12	5.72	17.21	14.79	5.85	16.55	14.44	6.01	15.87	14.06	6.40	15.04	13.55	6.95
		33°C	18.90	17.22	5.71	18.33	16.76	5.75	17.77	16.28	5.89	17.21	15.76	6.06	16.61	15.21	6.47	15.87	14.54	7.03
	22°C	27°C	20.18	10.72	5.77	19.45	10.46	5.81	18.73	10.19	5.95	17.98	9.91	6.12	17.20	9.62	6.51	16.24	9.27	7.06
		30°C	20.23	13.15	5.78	19.50	12.86	5.82	18.77	12.57	5.95	18.02	12.27	6.12	17.25	11.97	6.52	16.29	11.59	7.07
		33°C	20.28	15.42	5.78	19.56	15.12	5.82	18.83	14.83	5.95	18.07	14.53	6.13	17.31	14.21	6.52	16.37	13.80	7.08
		36°C	20.42	17.55	5.78	19.71	17.20	5.83	19.03	16.83	5.97	18.34	16.44	6.15	17.66	15.98	6.55	16.83	15.37	7.12
1650	16°C	21°C	16.90	11.13	5.63	16.28	10.84	5.64	15.66	10.54	5.76	15.01	10.24	5.91	14.34	9.92	6.29	13.50	9.52	6.82
		24°C	16.97	13.52	5.63	16.34	13.20	5.65	15.72	12.89	5.76	15.08	12.56	5.92	14.42	12.23	6.29	13.59	11.79	6.82
		27°C	17.17	15.61	5.64	16.61	15.21	5.66	16.05	14.79	5.78	15.48	14.33	5.94	14.91	13.81	6.33	14.20	13.15	6.88
		30°C	18.05	16.74	5.68	17.52	16.25	5.71	16.99	15.75	5.84	16.43	15.22	6.01	15.85	14.68	6.40	15.12	14.00	6.96
	19°C	24°C	18.60	11.09	5.70	17.92	10.80	5.73	17.24	10.52	5.85	16.55	10.22	6.01	15.82	9.91	6.40	14.92	9.54	6.94
		27°C	18.66	13.53	5.70	17.98	13.22	5.73	17.30	12.92	5.86	16.60	12.60	6.02	15.87	12.28	6.40	14.97	11.87	6.95
		30°C	18.74	15.82	5.71	18.07	15.49	5.74	17.41	15.15	5.86	16.74	14.78	6.03	16.05	14.39	6.42	15.22	13.86	6.97
		33°C	19.12	17.64	5.73	18.54	17.17	5.76	17.98	16.67	5.90	17.41	16.13	6.08	16.81	15.57	6.48	16.06	14.87	7.05
	22°C	27°C	20.41	10.98	5.79	19.68	10.71	5.83	18.94	10.43	5.96	18.19	10.14	6.13	17.40	9.85	6.53	16.43	9.48	7.08
		30°C	20.46	13.47	5.79	19.73	13.17	5.83	18.99	12.87	5.96	18.23	12.56	6.14	17.45	12.25	6.53	16.48	11.86	7.08
		33°C	20.52	15.80	5.79	19.79	15.49	5.83	19.04	15.19	5.97	18.29	14.87	6.14	17.52	14.54	6.54	16.56	14.11	7.09
		36°C	20.66	17.98	5.80	19.95	17.61	5.84	19.25	17.24	5.98	18.56	16.82	6.16	17.86	16.35	6.57	17.03	15.72	7.14

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

Model: FDB60CXV1 - R61DXY1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
1470	16°C	21°C	15.48	10.96	4.41	14.93	10.67	4.77	14.37	10.38	5.16	13.80	10.08	5.60	12.67	9.38	6.07	11.70	8.83	6.69
		24°C	15.50	13.12	4.41	14.95	12.82	4.77	14.39	12.52	5.16	13.82	12.21	5.60	12.70	11.40	6.08	11.74	10.76	6.70
		27°C	15.62	14.87	4.41	15.10	14.54	4.78	14.57	14.19	5.17	14.02	13.83	5.61	12.94	12.87	6.09	12.04	12.04	6.72
		30°C	16.10	16.10	4.44	15.64	15.64	4.80	15.16	15.16	5.21	14.68	14.68	5.66	13.60	13.60	6.14	12.73	12.73	6.79
	19°C	24°C	17.07	10.23	4.48	16.47	9.97	4.85	15.87	9.70	5.25	15.24	9.43	5.70	14.01	8.78	6.18	12.95	8.27	6.81
		27°C	17.08	11.70	4.48	16.48	11.44	4.85	15.88	11.18	5.25	15.25	10.91	5.70	14.02	10.20	6.18	12.96	9.66	6.81
		30°C	17.11	14.44	4.48	16.52	14.13	4.85	15.93	13.82	5.26	15.33	13.49	5.70	14.11	12.61	6.19	13.10	11.94	6.82
		33°C	17.31	17.31	4.49	16.75	16.75	4.86	16.21	16.21	5.27	15.65	15.65	5.72	14.48	14.48	6.22	13.54	13.54	6.86
	22°C	27°C	18.78	10.01	4.56	18.13	9.77	4.94	17.47	9.52	5.35	16.79	9.26	5.81	15.44	8.63	6.30	14.29	8.14	6.94
		30°C	18.79	12.20	4.56	18.14	11.94	4.94	17.47	11.67	5.35	16.79	11.39	5.81	15.44	10.66	6.30	14.29	10.11	6.94
		33°C	18.80	14.25	4.56	18.15	13.98	4.94	17.49	13.70	5.35	16.80	13.42	5.81	15.46	12.60	6.30	14.33	11.97	6.95
		36°C	18.86	16.16	4.56	18.24	15.83	4.94	17.60	15.51	5.36	16.96	15.16	5.82	15.64	14.22	6.32	14.54	13.49	6.96
1520	16°C	21°C	16.10	11.42	4.45	15.52	11.13	4.81	14.93	10.83	5.21	14.32	10.53	5.65	13.14	9.80	6.12	12.12	9.22	6.75
		24°C	16.15	13.86	4.45	15.57	13.54	4.81	14.99	13.22	5.21	14.38	12.88	5.65	13.21	12.02	6.13	12.21	11.34	6.76
		27°C	16.34	15.75	4.46	15.79	15.38	4.82	15.25	14.98	5.23	14.70	14.54	5.67	13.57	13.50	6.16	12.65	12.63	6.80
		30°C	17.02	17.02	4.49	16.53	16.53	4.86	16.03	16.03	5.27	15.51	15.51	5.73	14.37	14.37	6.22	13.43	13.43	6.87
	19°C	24°C	17.74	10.81	4.52	17.11	10.53	4.89	16.46	10.26	5.30	15.80	9.98	5.75	14.51	9.30	6.23	13.41	8.76	6.87
		27°C	17.77	12.45	4.52	17.13	12.17	4.89	16.49	11.90	5.30	15.83	11.61	5.75	14.55	10.86	6.24	13.45	10.28	6.87
		30°C	17.85	15.35	4.53	17.23	15.02	4.90	16.61	14.68	5.31	15.98	14.33	5.76	14.71	13.39	6.25	13.65	12.65	6.89
		33°C	18.15	18.15	4.54	17.60	17.60	4.92	17.04	17.04	5.34	16.47	16.47	5.80	15.26	15.26	6.30	14.26	14.26	6.95
	22°C	27°C	19.49	10.58	4.60	18.80	10.33	4.99	18.10	10.07	5.40	17.38	9.80	5.86	15.98	9.14	6.36	14.78	8.62	7.00
		30°C	19.51	12.98	4.60	18.82	12.71	4.99	18.12	12.43	5.41	17.40	12.14	5.86	16.00	11.37	6.36	14.80	10.79	7.00
		33°C	19.55	15.21	4.61	18.87	14.92	4.99	18.18	14.62	5.41	17.46	14.31	5.87	16.06	13.42	6.37	14.89	12.74	7.01
		36°C	19.67	17.20	4.61	19.03	16.87	5.00	18.37	16.52	5.42	17.70	16.14	5.89	16.33	15.10	6.39	15.23	14.24	7.05
1620	16°C	21°C	16.70	11.92	4.48	16.08	11.61	4.85	15.47	11.31	5.25	14.82	10.99	5.69	13.60	10.24	6.17	12.53	9.63	6.80
		24°C	16.78	14.48	4.49	16.17	14.14	4.85	15.56	13.79	5.26	14.93	13.43	5.70	13.72	12.53	6.18	12.67	11.81	6.81
		27°C	17.05	16.59	4.50	16.50	16.16	4.87	15.94	15.71	5.28	15.37	15.23	5.73	14.20	14.11	6.22	13.23	13.17	6.86
		30°C	17.91	17.91	4.54	17.38	17.38	4.92	16.85	16.85	5.33	16.29	16.29	5.79	15.09	15.09	6.29	14.09	14.09	6.95
	19°C	24°C	18.38	11.43	4.56	17.71	11.15	4.93	17.04	10.86	5.34	16.34	10.57	5.79	15.00	9.85	6.28	13.85	9.29	6.92
		27°C	18.43	13.22	4.56	17.77	12.92	4.94	17.10	12.62	5.35	16.41	12.31	5.80	15.07	11.51	6.29	13.93	10.89	6.93
		30°C	18.58	16.27	4.57	17.92	15.92	4.95	17.28	15.55	5.36	16.62	15.16	5.81	15.30	14.16	6.31	14.21	13.35	6.96
		33°C	18.98	18.98	4.59	18.43	18.43	4.98	17.86	17.86	5.40	17.27	17.27	5.86	16.00	16.00	6.37	14.96	14.96	7.03
	22°C	27°C	20.16	11.18	4.64	19.45	10.94	5.03	18.72	10.66	5.45	17.96	10.38	5.91	16.50	9.69	6.41	15.25	9.15	7.06
		30°C	20.21	13.78	4.64	19.49	13.52	5.03	18.75	13.23	5.45	18.00	12.93	5.91	16.54	12.11	6.41	15.30	11.48	7.06
		33°C	20.28	16.15	4.65	19.57	15.87	5.04	18.85	15.54	5.46	18.11	15.20	5.92	16.66	14.24	6.43	15.44	13.52	7.08
		36°C	20.46	18.24	4.66	19.82	17.91	5.05	19.13	17.52	5.48	18.44	17.08	5.95	17.04	15.93	6.46	15.90	15.00	7.12
1700	16°C	21°C	16.69	12.02	4.53	16.10	11.73	4.87	15.52	11.44	5.27	14.90	11.14	5.73	13.69	10.38	6.24	12.65	9.78	6.94
		24°C	16.75	14.69	4.53	16.15	14.38	4.88	15.57	14.07	5.27	14.97	13.73	5.73	13.76	12.84	6.25	12.75	12.12	6.94
		27°C	17.02	16.85	4.54	16.50	16.43	4.89	15.97	15.97	5.30	15.44	15.44	5.76	14.30	14.30	6.28	13.36	13.36	6.99
		30°C	17.94	17.94	4.58	17.44	17.44	4.94	16.94	16.94	5.35	16.41	16.41	5.82	15.22	15.22	6.35	14.25	14.25	7.06
	19°C	24°C	18.37	11.52	4.60	17.73	11.25	4.96	17.10	10.98	5.36	16.44	10.70	5.82	15.12	9.99	6.34	13.99	9.45	7.04
		27°C	18.42	13.37	4.61	17.78	13.09	4.96	17.14	12.81	5.36	16.48	12.53	5.82	15.16	11.74	6.34	14.03	11.15	7.04
		30°C	18.51	16.60	4.61	17.89	16.25	4.96	17.29	15.90	5.37	16.67	15.52	5.84	15.38	14.51	6.36	14.33	13.68	7.07
		33°C	19.00	19.00	4.63	18.46	18.46	5.00	17.94	17.94	5.41	17.40	17.40	5.88	16.16	16.16	6.42	15.15	15.15	7.13
	22°C	27°C	20.19	11.30	4.69	19.49	11.04	5.05	18.81	10.79	5.46	18.10	10.52	5.93	16.66	9.83	6.45	15.44	9.30	7.15
		30°C	20.23	13.98	4.69	19.54	13.69	5.05	18.85	13.41	5.47	18.13	13.12	5.93	16.70	12.31	6.46	15.48	11.70	7.16
		33°C	20.28	16.47	4.70	19.58	16.18	5.06	18.89	15.89	5.47	18.19	15.58	5.94	16.76	14.64	6.46	15.58	13.91	7.17
		36°C	20.47	18.66	4.70	19.82	18.29	5.07	19.18	17.91	5.49	18.56	17.47	5.96	17.19	16.33	6.49	16.08	15.41	7.21

Remark:

AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (°C)
EDB: Entering Dry Bulb Temp. (°C)
TC: Total Cooling Capacity (kW)
SC: Sensible Cooling Capacity (kW)
PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB without pressure trip.

R22 Heatpump

Model: FDYM10CXV1 - RY10CXV1 / FDYB10CXV1 - RY10CXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
260 / 225	16°C	21°C	2.62	1.83	0.68	2.53	1.78	0.74	2.44	1.74	0.80	2.34	1.69	0.87	2.15	1.57	0.94	1.98	1.48	1.04
		24°C	2.63	2.19	0.68	2.53	2.14	0.74	2.44	2.09	0.80	2.34	2.04	0.87	2.15	1.91	0.94	1.99	1.80	1.04
		27°C	2.65	2.49	0.69	2.56	2.43	0.74	2.47	2.37	0.80	2.38	2.31	0.87	2.19	2.15	0.95	2.04	2.02	1.04
		30°C	2.73	2.73	0.69	2.65	2.65	0.75	2.57	2.57	0.81	2.49	2.49	0.88	2.30	2.30	0.95	2.16	2.16	1.05
	19°C	24°C	2.89	1.71	0.69	2.79	1.67	0.75	2.69	1.62	0.81	2.58	1.58	0.88	2.37	1.47	0.96	2.19	1.38	1.06
		27°C	2.89	1.96	0.69	2.79	1.91	0.75	2.69	1.87	0.82	2.58	1.82	0.88	2.38	1.71	0.96	2.20	1.62	1.06
		30°C	2.90	2.41	0.70	2.80	2.36	0.75	2.70	2.31	0.82	2.60	2.25	0.88	2.39	2.11	0.96	2.22	2.00	1.06
		33°C	2.93	2.93	0.70	2.84	2.84	0.75	2.75	2.75	0.82	2.65	2.65	0.89	2.45	2.45	0.96	2.29	2.29	1.07
	22°C	27°C	3.18	1.67	0.71	3.07	1.63	0.77	2.96	1.59	0.83	2.84	1.55	0.90	2.62	1.44	0.98	2.42	1.36	1.08
		30°C	3.18	2.04	0.71	3.07	2.00	0.77	2.96	1.95	0.83	2.84	1.90	0.90	2.62	1.78	0.98	2.42	1.69	1.08
		33°C	3.18	2.38	0.71	3.07	2.34	0.77	2.96	2.29	0.83	2.85	2.24	0.90	2.62	2.11	0.98	2.43	2.00	1.08
		36°C	3.20	2.70	0.71	3.09	2.65	0.77	2.98	2.59	0.83	2.87	2.53	0.90	2.65	2.38	0.98	2.46	2.25	1.08
285 / 275	16°C	21°C	2.73	1.91	0.69	2.63	1.86	0.75	2.53	1.81	0.81	2.43	1.76	0.88	2.23	1.64	0.95	2.05	1.54	1.05
		24°C	2.74	2.32	0.69	2.64	2.26	0.75	2.54	2.21	0.81	2.44	2.15	0.88	2.24	2.01	0.95	2.07	1.90	1.05
		27°C	2.77	2.63	0.69	2.68	2.57	0.75	2.58	2.50	0.81	2.49	2.43	0.88	2.30	2.26	0.96	2.14	2.11	1.05
		30°C	2.88	2.88	0.70	2.80	2.80	0.75	2.72	2.72	0.82	2.63	2.63	0.89	2.43	2.43	0.97	2.28	2.28	1.07
	19°C	24°C	3.01	1.81	0.70	2.90	1.76	0.76	2.79	1.71	0.82	2.68	1.67	0.89	2.46	1.55	0.97	2.27	1.46	1.07
		27°C	3.01	2.08	0.70	2.90	2.03	0.76	2.79	1.99	0.82	2.68	1.94	0.89	2.46	1.81	0.97	2.28	1.72	1.07
		30°C	3.02	2.57	0.70	2.92	2.51	0.76	2.81	2.45	0.82	2.71	2.39	0.89	2.49	2.24	0.97	2.31	2.11	1.07
		33°C	3.08	3.08	0.70	2.98	2.98	0.76	2.89	2.89	0.83	2.79	2.79	0.90	2.58	2.58	0.98	2.42	2.42	1.08
	22°C	27°C	3.30	1.77	0.71	3.19	1.73	0.77	3.07	1.68	0.84	2.95	1.64	0.91	2.71	1.53	0.99	2.50	1.44	1.09
		30°C	3.31	2.17	0.71	3.19	2.12	0.77	3.07	2.08	0.84	2.95	2.03	0.91	2.71	1.90	0.99	2.51	1.80	1.09
		33°C	3.31	2.54	0.71	3.20	2.49	0.77	3.08	2.44	0.84	2.96	2.39	0.91	2.72	2.24	0.99	2.52	2.13	1.09
		36°C	3.33	2.87	0.72	3.22	2.82	0.78	3.11	2.76	0.84	3.00	2.70	0.91	2.77	2.52	0.99	2.58	2.38	1.09
300	16°C	21°C	2.83	1.99	0.70	2.72	1.94	0.75	2.62	1.89	0.81	2.51	1.84	0.88	2.30	1.71	0.96	2.12	1.61	1.06
		24°C	2.84	2.42	0.70	2.74	2.36	0.75	2.64	2.30	0.82	2.53	2.24	0.88	2.32	2.09	0.96	2.15	1.97	1.06
		27°C	2.89	2.77	0.70	2.79	2.70	0.76	2.70	2.63	0.82	2.60	2.54	0.89	2.41	2.36	0.97	2.24	2.20	1.07
		30°C	3.03	3.03	0.70	2.94	2.94	0.76	2.85	2.85	0.83	2.76	2.76	0.90	2.56	2.56	0.98	2.39	2.39	1.08
	19°C	24°C	3.11	1.91	0.71	3.00	1.86	0.77	2.89	1.82	0.83	2.77	1.77	0.90	2.54	1.65	0.98	2.35	1.55	1.07
		27°C	3.12	2.21	0.71	3.01	2.16	0.77	2.90	2.11	0.83	2.78	2.06	0.90	2.55	1.92	0.98	2.36	1.82	1.08
		30°C	3.15	2.72	0.71	3.04	2.66	0.77	2.93	2.60	0.83	2.82	2.53	0.90	2.59	2.37	0.98	2.41	2.23	1.08
		33°C	3.22	3.22	0.71	3.12	3.12	0.77	3.03	3.03	0.84	2.93	2.93	0.91	2.71	2.71	0.99	2.54	2.54	1.09
	22°C	27°C	3.42	1.87	0.72	3.29	1.83	0.78	3.17	1.78	0.85	3.04	1.73	0.92	2.80	1.62	0.99	2.58	1.53	1.10
		30°C	3.42	2.30	0.72	3.30	2.26	0.78	3.18	2.21	0.85	3.05	2.16	0.92	2.80	2.02	1.00	2.59	1.92	1.10
		33°C	3.43	2.70	0.72	3.32	2.65	0.78	3.19	2.60	0.85	3.07	2.54	0.92	2.82	2.38	1.00	2.62	2.26	1.10
		36°C	3.47	3.05	0.72	3.36	2.99	0.78	3.24	2.93	0.85	3.12	2.85	0.92	2.89	2.66	1.00	2.69	2.51	1.11

Model: FDYM10CXV1 - RY10CXV1 / FDYB10CXV1 - RY10CXV1

Heating Mode

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	1.202	1.202	1.497	1.497	1.596	1.596	2.679	2.679	3.269	3.269	3.565	3.565	3.860	3.860
17°C	1.173	1.173	1.467	1.467	1.565	1.565	2.670	2.670	3.180	3.180	3.465	3.465	3.750	3.750
19°C	1.145	1.145	1.437	1.437	1.535	1.535	2.661	2.661	3.091	3.091	3.366	3.366	3.640	3.640
21°C	1.117	1.117	1.408	1.408	1.505	1.505	2.652	2.652	3.002	3.002	3.266	3.266	3.531	3.531
23°C	1.113	1.113	1.384	1.384	1.474	1.474	2.521	2.521	2.913	2.913	3.167	3.167	3.421	3.421
25°C	1.109	1.109	1.360	1.360	1.444	1.444	2.390	2.390	2.824	2.824	3.068	3.068	3.311	3.311
27°C	1.105	1.105	1.337	1.337	1.414	1.414	2.259	2.259	2.735	2.735	2.968	2.968	3.201	3.201
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM15CXV1 - RY15CXV1 / FDYB15CXV1 - RY15CXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
400 / 380	16°C	21°C	3.39	2.34	0.96	3.27	2.28	1.04	3.15	2.22	1.13	3.03	2.15	1.22	2.78	2.00	1.33	2.57	1.88	1.46
		24°C	3.40	2.80	0.96	3.28	2.74	1.04	3.16	2.67	1.13	3.03	2.61	1.22	2.78	2.43	1.33	2.58	2.30	1.46
		27°C	3.43	3.17	0.96	3.31	3.10	1.04	3.20	3.03	1.13	3.08	2.95	1.23	2.84	2.75	1.33	2.64	2.58	1.47
		30°C	3.53	3.53	0.97	3.43	3.43	1.05	3.33	3.33	1.14	3.22	3.22	1.24	2.98	2.98	1.34	2.79	2.79	1.48
	19°C	24°C	3.74	2.18	0.98	3.61	2.13	1.06	3.48	2.07	1.15	3.34	2.01	1.24	3.07	1.87	1.35	2.84	1.77	1.49
		27°C	3.75	2.50	0.98	3.61	2.44	1.06	3.48	2.39	1.15	3.35	2.33	1.24	3.07	2.18	1.35	2.84	2.06	1.49
		30°C	3.75	3.08	0.98	3.62	3.02	1.06	3.50	2.95	1.15	3.36	2.88	1.25	3.10	2.69	1.35	2.87	2.55	1.49
		33°C	3.80	3.80	0.98	3.67	3.67	1.06	3.55	3.55	1.15	3.43	3.43	1.25	3.18	3.18	1.36	2.97	2.97	1.50
	22°C	27°C	4.12	2.14	1.00	3.98	2.08	1.08	3.83	2.03	1.17	3.68	1.98	1.27	3.39	1.84	1.38	3.13	1.74	1.52
		30°C	4.12	2.60	1.00	3.98	2.55	1.08	3.83	2.49	1.17	3.68	2.43	1.27	3.39	2.28	1.38	3.14	2.16	1.52
		33°C	4.12	3.04	1.00	3.98	2.98	1.08	3.84	2.92	1.17	3.69	2.86	1.27	3.39	2.69	1.38	3.14	2.55	1.52
		36°C	4.14	3.45	1.00	4.00	3.38	1.08	3.86	3.31	1.17	3.72	3.24	1.27	3.43	3.03	1.38	3.19	2.88	1.52
490 / 500	16°C	21°C	3.53	2.44	0.97	3.40	2.38	1.05	3.28	2.31	1.14	3.14	2.25	1.23	2.88	2.09	1.34	2.66	1.97	1.47
		24°C	3.54	2.96	0.97	3.42	2.89	1.05	3.29	2.82	1.14	3.15	2.75	1.23	2.90	2.57	1.34	2.68	2.42	1.48
		27°C	3.59	3.36	0.97	3.47	3.28	1.05	3.35	3.20	1.14	3.23	3.10	1.24	2.98	2.88	1.35	2.77	2.70	1.48
		30°C	3.74	3.74	0.98	3.63	3.63	1.06	3.52	3.52	1.15	3.40	3.40	1.25	3.15	3.15	1.36	2.95	2.95	1.50
	19°C	24°C	3.89	2.31	0.99	3.75	2.25	1.07	3.61	2.19	1.16	3.47	2.13	1.26	3.18	1.98	1.36	2.94	1.87	1.50
		27°C	3.90	2.66	0.99	3.76	2.60	1.07	3.62	2.54	1.16	3.47	2.48	1.26	3.19	2.32	1.36	2.95	2.19	1.50
		30°C	3.92	3.28	0.99	3.78	3.21	1.07	3.65	3.14	1.16	3.51	3.06	1.26	3.23	2.86	1.37	2.99	2.70	1.51
		33°C	3.98	3.98	0.99	3.86	3.86	1.07	3.74	3.74	1.17	3.61	3.61	1.27	3.35	3.35	1.38	3.13	3.13	1.52
	22°C	27°C	4.28	2.26	1.01	4.13	2.21	1.09	3.97	2.15	1.18	3.81	2.09	1.28	3.50	1.95	1.39	3.24	1.84	1.53
		30°C	4.28	2.77	1.01	4.13	2.71	1.09	3.98	2.65	1.18	3.82	2.59	1.28	3.51	2.43	1.39	3.25	2.30	1.53
		33°C	4.29	3.25	1.01	4.14	3.19	1.09	3.99	3.12	1.18	3.83	3.05	1.28	3.52	2.86	1.39	3.27	2.72	1.53
		36°C	4.32	3.67	1.01	4.18	3.60	1.09	4.03	3.53	1.18	3.88	3.44	1.29	3.58	3.22	1.40	3.34	3.04	1.54
510 / 540	16°C	21°C	3.66	2.54	0.98	3.53	2.48	1.06	3.39	2.41	1.15	3.25	2.35	1.24	2.98	2.19	1.35	2.75	2.06	1.49
		24°C	3.68	3.09	0.98	3.55	3.02	1.06	3.41	2.94	1.15	3.28	2.87	1.25	3.01	2.68	1.35	2.78	2.52	1.49
		27°C	3.74	3.54	0.98	3.62	3.45	1.06	3.50	3.35	1.15	3.37	3.25	1.25	3.12	3.01	1.36	2.90	2.81	1.50
		30°C	3.93	3.93	0.99	3.81	3.81	1.07	3.70	3.70	1.17	3.57	3.57	1.27	3.31	3.31	1.37	3.09	3.09	1.52
	19°C	24°C	4.03	2.44	1.00	3.89	2.38	1.08	3.74	2.32	1.17	3.59	2.26	1.27	3.29	2.10	1.37	3.04	1.98	1.51
		27°C	4.04	2.82	1.00	3.90	2.76	1.08	3.75	2.69	1.17	3.60	2.63	1.27	3.31	2.46	1.37	3.05	2.33	1.51
		30°C	4.08	3.47	1.00	3.93	3.40	1.08	3.79	3.32	1.17	3.65	3.24	1.27	3.36	3.02	1.38	3.12	2.85	1.52
		33°C	4.16	4.16	1.00	4.04	4.04	1.09	3.92	3.92	1.18	3.79	3.79	1.28	3.51	3.51	1.39	3.28	3.28	1.54
	22°C	27°C	4.42	2.39	1.01	4.27	2.33	1.10	4.11	2.28	1.19	3.94	2.22	1.29	3.62	2.07	1.40	3.35	1.95	1.54
		30°C	4.43	2.94	1.01	4.27	2.89	1.10	4.11	2.82	1.19	3.95	2.76	1.29	3.63	2.58	1.40	3.36	2.45	1.54
		33°C	4.45	3.45	1.02	4.29	3.39	1.10	4.14	3.32	1.19	3.97	3.24	1.29	3.66	3.04	1.40	3.39	2.89	1.55
		36°C	4.49	3.89	1.02	4.35	3.82	1.10	4.20	3.74	1.20	4.05	3.65	1.30	3.74	3.40	1.41	3.49	3.20	1.56

Model: FDYM15CXV1 - RY15CXV1 / FDYB15CXV1 - RY15CXV1

Heating Mode

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	1.493	1.493	1.873	1.873	1.999	1.999	3.392	3.392	4.152	4.152	4.532	4.532	4.912	4.912
17°C	1.454	1.454	1.834	1.834	1.961	1.961	3.378	3.378	4.039	4.039	4.406	4.406	4.773	4.773
19°C	1.416	1.416	1.796	1.796	1.923	1.923	3.364	3.364	3.926	3.926	4.279	4.279	4.633	4.633
21°C	1.377	1.377	1.758	1.758	1.885	1.885	3.350	3.350	3.813	3.813	4.153	4.153	4.493	4.493
23°C	1.375	1.375	1.729	1.729	1.846	1.846	3.186	3.186	3.699	3.699	4.026	4.026	4.353	4.353
25°C	1.374	1.374	1.699	1.699	1.808	1.808	3.023	3.023	3.586	3.586	3.900	3.900	4.214	4.214
27°C	1.372	1.372	1.670	1.670	1.770	1.770	2.860	2.860	3.473	3.473	3.773	3.773	4.074	4.074
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM20CXV1 - RY18CXV1 / FDYB20CXV1 - RY18CXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
640 / 570	16°C	21°C	4.98	3.43	1.45	4.80	3.34	1.57	4.63	3.25	1.70	4.44	3.16	1.84	4.08	2.94	2.00	3.76	2.77	2.20
		24°C	4.99	4.11	1.45	4.81	4.02	1.57	4.63	3.92	1.70	4.45	3.82	1.84	4.09	3.57	2.00	3.78	3.37	2.21
		27°C	5.03	4.66	1.45	4.86	4.55	1.57	4.69	4.45	1.70	4.51	4.33	1.85	4.16	4.03	2.01	3.87	3.79	2.21
		30°C	5.18	5.18	1.46	5.03	5.03	1.58	4.88	4.88	1.72	4.72	4.72	1.86	4.38	4.38	2.02	4.10	4.10	2.23
	19°C	24°C	5.49	3.20	1.47	5.30	3.12	1.60	5.11	3.04	1.73	4.90	2.95	1.88	4.51	2.75	2.03	4.17	2.59	2.24
		27°C	5.50	3.67	1.47	5.30	3.58	1.60	5.11	3.50	1.73	4.91	3.42	1.88	4.51	3.20	2.04	4.17	3.03	2.24
		30°C	5.51	4.52	1.48	5.32	4.43	1.60	5.13	4.33	1.73	4.93	4.23	1.88	4.54	3.95	2.04	4.21	3.74	2.25
		33°C	5.57	5.57	1.48	5.39	5.39	1.60	5.22	5.22	1.74	5.04	5.04	1.88	4.66	4.66	2.05	4.36	4.36	2.26
	22°C	27°C	6.04	3.14	1.50	5.84	3.06	1.63	5.62	2.98	1.76	5.40	2.90	1.91	4.97	2.70	2.07	4.60	2.55	2.29
		30°C	6.05	3.82	1.50	5.84	3.74	1.63	5.62	3.66	1.76	5.40	3.57	1.91	4.97	3.34	2.07	4.60	3.17	2.29
		33°C	6.05	4.46	1.50	5.84	4.38	1.63	5.63	4.29	1.76	5.41	4.20	1.91	4.98	3.95	2.08	4.61	3.75	2.29
		36°C	6.07	5.06	1.50	5.87	4.96	1.63	5.66	4.86	1.77	5.46	4.75	1.92	5.03	4.45	2.08	4.68	4.22	2.29
675 / 640	16°C	21°C	5.18	3.58	1.46	4.99	3.48	1.58	4.80	3.39	1.71	4.61	3.30	1.86	4.23	3.07	2.02	3.90	2.89	2.22
		24°C	5.20	4.34	1.47	5.01	4.24	1.58	4.82	4.14	1.72	4.63	4.03	1.86	4.25	3.76	2.02	3.93	3.55	2.23
		27°C	5.26	4.93	1.47	5.08	4.82	1.59	4.91	4.69	1.72	4.73	4.55	1.87	4.37	4.23	2.03	4.07	3.96	2.24
		30°C	5.48	5.48	1.48	5.32	5.32	1.60	5.16	5.16	1.74	4.99	4.99	1.89	4.62	4.62	2.05	4.32	4.32	2.26
	19°C	24°C	5.71	3.38	1.49	5.50	3.30	1.61	5.30	3.21	1.75	5.08	3.12	1.89	4.67	2.91	2.05	4.31	2.74	2.26
		27°C	5.72	3.90	1.49	5.51	3.81	1.61	5.31	3.72	1.75	5.09	3.64	1.89	4.68	3.40	2.05	4.33	3.22	2.26
		30°C	5.74	4.81	1.49	5.54	4.70	1.61	5.35	4.60	1.75	5.14	4.49	1.90	4.73	4.19	2.06	4.39	3.96	2.27
		33°C	5.84	5.84	1.50	5.66	5.66	1.62	5.48	5.48	1.76	5.30	5.30	1.91	4.91	4.91	2.07	4.59	4.59	2.29
	22°C	27°C	6.27	3.31	1.52	6.05	3.24	1.64	5.83	3.15	1.78	5.59	3.07	1.93	5.14	2.86	2.09	4.75	2.70	2.31
		30°C	6.28	4.07	1.52	6.06	3.98	1.64	5.83	3.89	1.78	5.60	3.80	1.93	5.15	3.56	2.09	4.76	3.38	2.31
		33°C	6.29	4.76	1.52	6.07	4.67	1.64	5.85	4.58	1.78	5.62	4.48	1.93	5.17	4.20	2.10	4.79	3.99	2.31
		36°C	6.33	5.38	1.52	6.12	5.28	1.65	5.91	5.17	1.79	5.70	5.05	1.94	5.25	4.73	2.10	4.90	4.46	2.32
700 / 650	16°C	21°C	5.37	3.73	1.48	5.17	3.64	1.60	4.98	3.54	1.73	4.77	3.44	1.87	4.37	3.21	2.03	4.03	3.02	2.24
		24°C	5.40	4.53	1.48	5.20	4.43	1.60	5.01	4.32	1.73	4.81	4.20	1.88	4.41	3.92	2.04	4.08	3.70	2.24
		27°C	5.49	5.20	1.48	5.31	5.06	1.60	5.13	4.92	1.74	4.94	4.77	1.89	4.57	4.42	2.05	4.26	4.12	2.26
		30°C	5.76	5.76	1.50	5.59	5.59	1.62	5.42	5.42	1.76	5.24	5.24	1.91	4.85	4.85	2.07	4.53	4.53	2.29
	19°C	24°C	5.91	3.58	1.50	5.70	3.49	1.62	5.48	3.40	1.76	5.26	3.31	1.91	4.83	3.08	2.07	4.46	2.91	2.28
		27°C	5.93	4.14	1.50	5.72	4.05	1.63	5.50	3.95	1.76	5.28	3.85	1.91	4.85	3.60	2.07	4.48	3.41	2.28
		30°C	5.98	5.10	1.50	5.77	4.98	1.63	5.56	4.87	1.77	5.35	4.75	1.91	4.92	4.43	2.08	4.57	4.18	2.29
		33°C	6.11	6.11	1.51	5.93	5.93	1.64	5.75	5.75	1.78	5.56	5.56	1.93	5.15	5.15	2.10	4.81	4.81	2.32
	22°C	27°C	6.49	3.50	1.53	6.26	3.42	1.66	6.02	3.34	1.79	5.78	3.25	1.95	5.31	3.03	2.11	4.91	2.86	2.32
		30°C	6.50	4.32	1.53	6.27	4.23	1.66	6.03	4.14	1.80	5.79	4.05	1.95	5.32	3.79	2.11	4.92	3.59	2.33
		33°C	6.52	5.06	1.53	6.30	4.97	1.66	6.07	4.87	1.80	5.83	4.76	1.95	5.36	4.46	2.12	4.97	4.23	2.33
		36°C	6.58	5.71	1.53	6.38	5.61	1.66	6.16	5.48	1.80	5.93	5.35	1.96	5.48	4.99	2.13	5.11	4.70	2.35

Model: FDYM20CXV1 - RY18CXV1 / FDYB20CXV1 - RY18CXV1

Heating Mode

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	2.597	2.597	3.151	3.151	3.335	3.335	5.366	5.366	6.474	6.474	7.028	7.028	7.582	7.582
17°C	2.556	2.556	3.094	3.094	3.274	3.274	5.299	5.299	6.299	6.299	6.833	6.833	7.367	7.367
19°C	2.516	2.516	3.038	3.038	3.213	3.213	5.231	5.231	6.124	6.124	6.637	6.637	7.151	7.151
21°C	2.475	2.475	2.982	2.982	3.151	3.151	5.164	5.164	5.948	5.948	6.442	6.442	6.935	6.935
23°C	2.447	2.447	2.929	2.929	3.090	3.090	4.958	4.958	5.773	5.773	6.246	6.246	6.720	6.720
25°C	2.419	2.419	2.876	2.876	3.028	3.028	4.751	4.751	5.597	5.597	6.051	6.051	6.504	6.504
27°C	2.390	2.390	2.823	2.823	2.967	2.967	4.545	4.545	5.422	5.422	5.855	5.855	6.289	6.289
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM20CXV1 - RY20CXV1 / FDYB20CXV1 - RY20CXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
640 / 570	16°C	21°C	5.25	3.62	1.44	5.07	3.53	1.56	4.88	3.43	1.69	4.68	3.33	1.83	4.30	3.10	1.98	3.97	2.92	2.19
		24°C	5.26	4.34	1.44	5.07	4.24	1.56	4.89	4.14	1.69	4.69	4.03	1.83	4.31	3.77	1.98	3.99	3.56	2.19
		27°C	5.30	4.92	1.44	5.13	4.80	1.56	4.95	4.69	1.69	4.76	4.57	1.83	4.39	4.25	1.99	4.09	3.99	2.20
		30°C	5.47	5.47	1.45	5.31	5.31	1.57	5.15	5.15	1.70	4.98	4.98	1.85	4.62	4.62	2.01	4.32	4.32	2.22
	19°C	24°C	5.80	3.38	1.46	5.59	3.29	1.58	5.39	3.21	1.72	5.17	3.12	1.86	4.76	2.90	2.02	4.40	2.73	2.22
		27°C	5.80	3.87	1.46	5.60	3.78	1.58	5.39	3.69	1.72	5.18	3.60	1.86	4.76	3.37	2.02	4.40	3.19	2.23
		30°C	5.81	4.77	1.46	5.61	4.67	1.58	5.41	4.57	1.72	5.20	4.46	1.86	4.79	4.17	2.02	4.45	3.94	2.23
		33°C	5.88	5.88	1.47	5.69	5.69	1.59	5.50	5.50	1.72	5.31	5.31	1.87	4.92	4.92	2.03	4.60	4.60	2.24
	22°C	27°C	6.38	3.31	1.49	6.16	3.23	1.61	5.93	3.15	1.75	5.70	3.06	1.90	5.24	2.85	2.06	4.85	2.69	2.27
		30°C	6.38	4.03	1.49	6.16	3.95	1.61	5.93	3.86	1.75	5.70	3.76	1.90	5.24	3.52	2.06	4.85	3.34	2.27
		33°C	6.38	4.71	1.49	6.16	4.62	1.61	5.94	4.53	1.75	5.70	4.43	1.90	5.25	4.16	2.06	4.87	3.95	2.27
		36°C	6.40	5.34	1.49	6.19	5.23	1.62	5.98	5.12	1.75	5.76	5.01	1.90	5.31	4.70	2.06	4.94	4.46	2.28
675 / 640	16°C	21°C	5.47	3.77	1.45	5.27	3.68	1.57	5.07	3.58	1.70	4.86	3.48	1.84	4.46	3.24	2.00	4.11	3.05	2.21
		24°C	5.48	4.58	1.45	5.28	4.47	1.57	5.09	4.37	1.70	4.88	4.26	1.85	4.48	3.97	2.00	4.15	3.75	2.21
		27°C	5.55	5.20	1.46	5.36	5.08	1.58	5.18	4.95	1.71	4.99	4.80	1.85	4.61	4.46	2.01	4.29	4.17	2.22
		30°C	5.78	5.78	1.47	5.61	5.61	1.59	5.44	5.44	1.72	5.26	5.26	1.87	4.88	4.88	2.03	4.56	4.56	2.24
	19°C	24°C	6.02	3.57	1.48	5.81	3.48	1.60	5.59	3.39	1.73	5.36	3.30	1.88	4.93	3.07	2.04	4.55	2.89	2.24
		27°C	6.03	4.11	1.48	5.82	4.02	1.60	5.60	3.93	1.73	5.37	3.84	1.88	4.94	3.59	2.04	4.56	3.40	2.25
		30°C	6.06	5.07	1.48	5.85	4.96	1.60	5.64	4.85	1.74	5.42	4.73	1.88	4.99	4.42	2.04	4.63	4.18	2.25
		33°C	6.16	6.16	1.48	5.97	5.97	1.61	5.78	5.78	1.74	5.59	5.59	1.89	5.18	5.18	2.06	4.84	4.84	2.27
	22°C	27°C	6.62	3.49	1.50	6.38	3.41	1.63	6.15	3.33	1.77	5.90	3.24	1.91	5.42	3.02	2.08	5.02	2.85	2.29
		30°C	6.62	4.29	1.50	6.39	4.20	1.63	6.15	4.11	1.77	5.91	4.01	1.92	5.43	3.76	2.08	5.02	3.56	2.29
		33°C	6.64	5.03	1.50	6.40	4.93	1.63	6.17	4.83	1.77	5.93	4.73	1.92	5.45	4.43	2.08	5.05	4.21	2.29
		36°C	6.68	5.68	1.51	6.46	5.57	1.63	6.24	5.46	1.77	6.01	5.33	1.92	5.54	4.99	2.09	5.17	4.71	2.30
700 / 650	16°C	21°C	5.67	3.94	1.46	5.46	3.84	1.58	5.25	3.73	1.72	5.03	3.63	1.86	4.62	3.38	2.02	4.25	3.18	2.22
		24°C	5.70	4.78	1.47	5.49	4.67	1.59	5.28	4.55	1.72	5.07	4.44	1.86	4.66	4.14	2.02	4.30	3.90	2.23
		27°C	5.79	5.48	1.47	5.60	5.34	1.59	5.41	5.19	1.72	5.22	5.03	1.87	4.82	4.66	2.03	4.49	4.35	2.24
		30°C	6.08	6.08	1.48	5.90	5.90	1.61	5.72	5.72	1.74	5.53	5.53	1.89	5.12	5.12	2.06	4.78	4.78	2.27
	19°C	24°C	6.24	3.78	1.49	6.01	3.68	1.61	5.78	3.59	1.75	5.55	3.49	1.89	5.09	3.25	2.05	4.70	3.07	2.26
		27°C	6.26	4.37	1.49	6.03	4.27	1.61	5.80	4.17	1.75	5.57	4.07	1.90	5.11	3.80	2.06	4.73	3.60	2.26
		30°C	6.31	5.38	1.49	6.08	5.26	1.62	5.87	5.14	1.75	5.64	5.01	1.90	5.19	4.68	2.06	4.82	4.41	2.27
		33°C	6.44	6.44	1.50	6.26	6.26	1.63	6.06	6.06	1.76	5.86	5.86	1.92	5.43	5.43	2.08	5.08	5.08	2.30
	22°C	27°C	6.84	3.69	1.52	6.60	3.61	1.64	6.35	3.52	1.78	6.10	3.43	1.93	5.60	3.20	2.09	5.18	3.02	2.31
		30°C	6.86	4.55	1.52	6.61	4.47	1.64	6.37	4.37	1.78	6.11	4.27	1.93	5.61	4.00	2.10	5.19	3.79	2.31
		33°C	6.88	5.34	1.52	6.64	5.24	1.65	6.40	5.13	1.78	6.15	5.02	1.94	5.66	4.70	2.10	5.24	4.46	2.31
		36°C	6.94	6.02	1.52	6.73	5.92	1.65	6.49	5.79	1.79	6.26	5.64	1.94	5.78	5.26	2.11	5.40	4.95	2.33

Model: FDYM20CXV1 - RY20CXV1 / FDYB20CXV1 - RY20CXV1

Heating Mode

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	2.506	2.506	3.124	3.124	3.330	3.330	5.597	5.597	6.834	6.834	7.452	7.452	8.071	8.071
17°C	2.446	2.446	3.062	3.062	3.267	3.267	5.574	5.574	6.648	6.648	7.245	7.245	7.841	7.841
19°C	2.386	2.386	2.999	2.999	3.204	3.204	5.550	5.550	6.462	6.462	7.037	7.037	7.612	7.612
21°C	2.326	2.326	2.937	2.937	3.140	3.140	5.527	5.527	6.276	6.276	6.829	6.829	7.382	7.382
23°C	2.319	2.319	2.887	2.887	3.077	3.077	5.258	5.258	6.089	6.089	6.621	6.621	7.153	7.153
25°C	2.311	2.311	2.838	2.838	3.014	3.014	4.990	4.990	5.903	5.903	6.413	6.413	6.923	6.923
27°C	2.304	2.304	2.789	2.789	2.951	2.951	4.722	4.722	5.717	5.717	6.205	6.205	6.694	6.694
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM25CXV1 - RY25CXV1 / FDYB25CXV1 - RY25CXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
580	16°C	21°C	6.50	4.35	1.99	6.27	4.24	2.15	6.03	4.12	2.33	5.79	4.01	2.52	5.32	3.73	2.74	4.91	3.51	3.02
		24°C	6.51	5.21	1.99	6.27	5.09	2.15	6.04	4.97	2.33	5.80	4.85	2.53	5.33	4.53	2.74	4.93	4.27	3.02
		27°C	6.56	5.91	1.99	6.34	5.77	2.15	6.12	5.64	2.33	5.89	5.49	2.53	5.43	5.11	2.75	5.05	4.80	3.03
		30°C	6.76	6.76	2.00	6.56	6.56	2.17	6.37	6.37	2.35	6.16	6.16	2.55	5.71	5.71	2.77	5.34	5.34	3.06
	19°C	24°C	7.17	4.06	2.02	6.92	3.96	2.19	6.66	3.85	2.37	6.40	3.75	2.57	5.88	3.49	2.79	5.44	3.29	3.07
		27°C	7.17	4.65	2.02	6.92	4.54	2.19	6.67	4.44	2.37	6.40	4.33	2.57	5.89	4.05	2.79	5.44	3.84	3.07
		30°C	7.18	5.74	2.02	6.93	5.61	2.19	6.69	5.49	2.37	6.44	5.36	2.57	5.93	5.01	2.79	5.50	4.74	3.08
		33°C	7.27	7.27	2.02	7.03	7.03	2.19	6.80	6.80	2.38	6.57	6.57	2.58	6.08	6.08	2.80	5.68	5.68	3.10
	22°C	27°C	7.88	3.98	2.06	7.61	3.88	2.23	7.33	3.78	2.41	7.05	3.68	2.62	6.48	3.43	2.84	6.00	3.23	3.13
		30°C	7.89	4.85	2.06	7.61	4.74	2.23	7.34	4.64	2.41	7.05	4.53	2.62	6.48	4.24	2.84	6.00	4.02	3.13
		33°C	7.89	5.66	2.06	7.62	5.55	2.23	7.34	5.44	2.42	7.05	5.33	2.62	6.49	5.00	2.84	6.02	4.75	3.13
		36°C	7.92	6.42	2.06	7.66	6.29	2.23	7.39	6.16	2.42	7.12	6.02	2.62	6.57	5.65	2.85	6.11	5.36	3.14
660 / 720	16°C	21°C	6.76	4.54	2.01	6.52	4.42	2.17	6.27	4.30	2.35	6.01	4.18	2.55	5.52	3.89	2.76	5.09	3.67	3.04
		24°C	6.78	5.51	2.01	6.54	5.38	2.17	6.29	5.25	2.35	6.04	5.12	2.55	5.55	4.78	2.77	5.13	4.51	3.05
		27°C	6.86	6.26	2.01	6.63	6.11	2.18	6.40	5.95	2.36	6.17	5.78	2.56	5.70	5.37	2.78	5.31	5.02	3.07
		30°C	7.15	7.15	2.03	6.94	6.94	2.19	6.73	6.73	2.38	6.51	6.51	2.58	6.03	6.03	2.81	5.64	5.64	3.10
	19°C	24°C	7.45	4.29	2.04	7.18	4.19	2.21	6.91	4.08	2.39	6.63	3.96	2.59	6.09	3.69	2.81	5.63	3.48	3.10
		27°C	7.46	4.95	2.04	7.19	4.84	2.21	6.92	4.73	2.39	6.65	4.61	2.59	6.11	4.31	2.81	5.65	4.08	3.10
		30°C	7.50	6.10	2.04	7.23	5.97	2.21	6.98	5.84	2.40	6.71	5.69	2.60	6.18	5.32	2.82	5.73	5.03	3.11
		33°C	7.62	7.62	2.05	7.39	7.39	2.22	7.15	7.15	2.41	6.92	6.92	2.61	6.41	6.41	2.84	5.99	5.99	3.14
	22°C	27°C	8.18	4.20	2.08	7.89	4.11	2.25	7.60	4.00	2.44	7.30	3.89	2.64	6.71	3.63	2.87	6.20	3.43	3.16
		30°C	8.19	5.16	2.08	7.90	5.05	2.25	7.61	4.94	2.44	7.31	4.82	2.64	6.72	4.52	2.87	6.21	4.29	3.16
		33°C	8.21	6.04	2.08	7.92	5.93	2.25	7.63	5.81	2.44	7.33	5.68	2.65	6.74	5.33	2.87	6.25	5.06	3.16
		36°C	8.26	6.83	2.08	7.99	6.70	2.26	7.71	6.56	2.45	7.43	6.41	2.65	6.86	6.00	2.88	6.39	5.66	3.18
730 / 770	16°C	21°C	7.01	4.74	2.02	6.75	4.62	2.19	6.49	4.49	2.37	6.22	4.37	2.57	5.71	4.07	2.78	5.26	3.83	3.07
		24°C	7.05	5.75	2.02	6.79	5.62	2.19	6.53	5.48	2.37	6.27	5.34	2.57	5.76	4.98	2.79	5.32	4.70	3.07
		27°C	7.16	6.59	2.03	6.93	6.42	2.20	6.69	6.24	2.38	6.45	6.05	2.58	5.96	5.61	2.81	5.56	5.23	3.10
		30°C	7.52	7.52	2.05	7.30	7.30	2.22	7.07	7.07	2.41	6.84	6.84	2.61	6.33	6.33	2.84	5.92	5.92	3.13
	19°C	24°C	7.72	4.54	2.06	7.44	4.43	2.22	7.15	4.32	2.41	6.86	4.20	2.61	6.30	3.91	2.83	5.81	3.69	3.12
		27°C	7.74	5.26	2.06	7.46	5.13	2.23	7.18	5.01	2.41	6.89	4.89	2.62	6.33	4.58	2.84	5.85	4.33	3.13
		30°C	7.80	6.47	2.06	7.53	6.33	2.23	7.26	6.18	2.42	6.98	6.03	2.62	6.42	5.63	2.85	5.96	5.31	3.14
		33°C	7.97	7.97	2.07	7.74	7.74	2.24	7.50	7.50	2.43	7.25	7.25	2.64	6.72	6.72	2.87	6.28	6.28	3.17
	22°C	27°C	8.47	4.44	2.09	8.17	4.35	2.27	7.86	4.24	2.46	7.54	4.13	2.67	6.93	3.85	2.89	6.40	3.64	3.18
		30°C	8.48	5.48	2.09	8.18	5.37	2.27	7.87	5.26	2.46	7.56	5.14	2.67	6.94	4.81	2.89	6.42	4.56	3.19
		33°C	8.51	6.42	2.10	8.22	6.31	2.27	7.92	6.17	2.46	7.61	6.04	2.67	7.00	5.66	2.90	6.48	5.37	3.19
		36°C	8.59	7.25	2.10	8.32	7.12	2.28	8.03	6.96	2.47	7.74	6.79	2.68	7.15	6.33	2.91	6.67	5.96	3.21

Model: FDYM25CXV1 - RY25CXV1 / FDYB25CXV1 - RY25CXV1

Heating Mode

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	3.204	3.204	3.940	3.940	4.185	4.185	6.883	6.883	8.355	8.355	9.091	9.091	9.827	9.827
17°C	3.141	3.141	3.865	3.865	4.107	4.107	6.822	6.822	8.128	8.128	8.838	8.838	9.547	9.547
19°C	3.078	3.078	3.791	3.791	4.028	4.028	6.760	6.760	7.901	7.901	8.585	8.585	9.268	9.268
21°C	3.015	3.015	3.716	3.716	3.950	3.950	6.699	6.699	7.674	7.674	8.331	8.331	8.989	8.989
23°C	2.992	2.992	3.652	3.652	3.872	3.872	6.406	6.406	7.447	7.447	8.078	8.078	8.709	8.709
25°C	2.970	2.970	3.588	3.588	3.794	3.794	6.112	6.112	7.220	7.220	7.825	7.825	8.430	8.430
27°C	2.947	2.947	3.523	3.523	3.715	3.715	5.819	5.819	6.993	6.993	7.572	7.572	8.150	8.150
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM28CXV1 - RY28CXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
710	16°C	21°C	7.46	4.86	2.35	7.20	4.73	2.54	6.93	4.60	2.75	6.65	4.47	2.98	6.11	4.16	3.24	5.64	3.91	3.57
		24°C	7.47	5.82	2.35	7.21	5.68	2.54	6.94	5.55	2.75	6.66	5.41	2.98	6.12	5.06	3.24	5.66	4.77	3.57
		27°C	7.53	6.60	2.35	7.28	6.45	2.54	7.02	6.29	2.76	6.76	6.13	2.99	6.24	5.71	3.25	5.80	5.36	3.58
		30°C	7.76	7.76	2.36	7.54	7.54	2.56	7.31	7.31	2.78	7.07	7.07	3.01	6.56	6.56	3.27	6.14	6.14	3.62
	19°C	24°C	8.23	4.54	2.39	7.94	4.42	2.58	7.65	4.30	2.80	7.35	4.18	3.03	6.75	3.89	3.29	6.24	3.67	3.63
		27°C	8.24	5.19	2.39	7.95	5.07	2.58	7.65	4.96	2.80	7.35	4.84	3.03	6.76	4.52	3.29	6.25	4.29	3.63
		30°C	8.25	6.40	2.39	7.96	6.27	2.58	7.68	6.13	2.80	7.39	5.98	3.04	6.80	5.59	3.30	6.31	5.29	3.63
		33°C	8.35	8.35	2.39	8.07	8.07	2.59	7.81	7.81	2.81	7.55	7.55	3.05	6.98	6.98	3.31	6.53	6.53	3.66
	22°C	27°C	9.05	4.44	2.43	8.74	4.33	2.63	8.42	4.22	2.85	8.09	4.11	3.09	7.44	3.83	3.36	6.89	3.61	3.70
		30°C	9.06	5.41	2.43	8.74	5.30	2.63	8.42	5.17	2.85	8.09	5.05	3.09	7.44	4.73	3.36	6.89	4.48	3.70
		33°C	9.06	6.32	2.43	8.75	6.20	2.63	8.43	6.08	2.85	8.10	5.95	3.09	7.45	5.59	3.36	6.91	5.31	3.70
		36°C	9.09	7.17	2.43	8.79	7.02	2.63	8.49	6.88	2.86	8.18	6.72	3.10	7.54	6.30	3.36	7.01	5.98	3.71
770	16°C	21°C	7.76	5.06	2.37	7.48	4.93	2.56	7.20	4.80	2.77	6.90	4.67	3.01	6.33	4.35	3.26	5.84	4.09	3.60
		24°C	7.78	6.15	2.37	7.50	6.00	2.56	7.22	5.86	2.78	6.93	5.71	3.01	6.37	5.33	3.27	5.89	5.03	3.60
		27°C	7.88	6.98	2.38	7.61	6.82	2.57	7.35	6.64	2.79	7.09	6.45	3.02	6.54	5.99	3.28	6.10	5.60	3.62
		30°C	8.21	8.21	2.39	7.97	7.97	2.59	7.73	7.73	2.81	7.48	7.48	3.05	6.93	6.93	3.31	6.47	6.47	3.66
	19°C	24°C	8.55	4.79	2.41	8.25	4.67	2.61	7.94	4.55	2.82	7.62	4.42	3.06	7.00	4.12	3.32	6.46	3.89	3.66
		27°C	8.57	5.52	2.41	8.26	5.40	2.61	7.95	5.27	2.82	7.63	5.15	3.06	7.01	4.81	3.32	6.48	4.56	3.66
		30°C	8.61	6.81	2.41	8.31	6.66	2.61	8.01	6.51	2.83	7.70	6.35	3.07	7.09	5.94	3.33	6.58	5.61	3.67
		33°C	8.75	8.75	2.42	8.48	8.48	2.62	8.21	8.21	2.84	7.94	7.94	3.09	7.35	7.35	3.35	6.88	6.88	3.70
	22°C	27°C	9.39	4.69	2.45	9.06	4.58	2.66	8.73	4.46	2.88	8.38	4.34	3.12	7.70	4.05	3.39	7.12	3.82	3.73
		30°C	9.41	5.76	2.45	9.07	5.64	2.66	8.74	5.51	2.88	8.39	5.38	3.12	7.71	5.04	3.39	7.13	4.78	3.73
		33°C	9.42	6.75	2.45	9.10	6.62	2.66	8.76	6.48	2.88	8.42	6.34	3.13	7.74	5.95	3.39	7.18	5.65	3.74
		36°C	9.48	7.62	2.46	9.17	7.48	2.66	8.85	7.32	2.89	8.53	7.15	3.14	7.87	6.69	3.40	7.34	6.32	3.75
810	16°C	21°C	8.05	5.28	2.39	7.75	5.15	2.58	7.45	5.01	2.80	7.15	4.87	3.03	6.55	4.54	3.29	6.04	4.27	3.62
		24°C	8.09	6.42	2.39	7.80	6.27	2.59	7.50	6.11	2.80	7.20	5.95	3.04	6.61	5.56	3.29	6.11	5.24	3.63
		27°C	8.22	7.36	2.40	7.95	7.17	2.60	7.68	6.97	2.81	7.41	6.75	3.05	6.84	6.25	3.31	6.38	5.84	3.66
		30°C	8.63	8.63	2.42	8.38	8.38	2.62	8.12	8.12	2.84	7.85	7.85	3.09	7.27	7.27	3.35	6.79	6.79	3.70
	19°C	24°C	8.86	5.07	2.43	8.54	4.94	2.63	8.21	4.82	2.85	7.88	4.69	3.09	7.23	4.37	3.35	6.67	4.12	3.69
		27°C	8.88	5.86	2.43	8.56	5.73	2.63	8.24	5.59	2.85	7.91	5.46	3.09	7.26	5.10	3.35	6.71	4.83	3.69
		30°C	8.96	7.22	2.43	8.64	7.06	2.64	8.33	6.90	2.86	8.01	6.72	3.10	7.38	6.28	3.36	6.85	5.92	3.71
		33°C	9.15	9.15	2.45	8.88	8.88	2.65	8.61	8.61	2.88	8.33	8.33	3.12	7.71	7.71	3.39	7.21	7.21	3.75
	22°C	27°C	9.72	4.96	2.47	9.37	4.85	2.68	9.02	4.73	2.90	8.66	4.60	3.15	7.95	4.29	3.41	7.35	4.06	3.76
		30°C	9.74	6.11	2.47	9.39	6.00	2.68	9.04	5.87	2.91	8.68	5.73	3.15	7.97	5.37	3.42	7.37	5.09	3.76
		33°C	9.77	7.16	2.48	9.44	7.04	2.68	9.09	6.89	2.91	8.73	6.74	3.16	8.03	6.31	3.42	7.44	5.99	3.77
		36°C	9.86	8.09	2.48	9.55	7.94	2.69	9.22	7.77	2.92	8.89	7.57	3.17	8.21	7.06	3.44	7.66	6.65	3.80
850	16°C	21°C	8.04	5.33	2.41	7.76	5.20	2.60	7.48	5.07	2.81	7.18	4.94	3.05	6.60	4.60	3.33	6.10	4.34	3.70
		24°C	8.07	6.51	2.41	7.78	6.37	2.60	7.50	6.24	2.81	7.21	6.09	3.05	6.63	5.69	3.33	6.14	5.37	3.70
		27°C	8.21	7.47	2.42	7.95	7.28	2.61	7.70	7.09	2.82	7.44	6.88	3.07	6.89	6.50	3.35	6.44	6.13	3.72
		30°C	8.65	8.65	2.44	8.40	8.40	2.63	8.16	8.16	2.85	7.91	7.91	3.10	7.34	7.34	3.38	6.87	6.87	3.76
	19°C	24°C	8.85	5.11	2.45	8.55	4.99	2.64	8.24	4.87	2.86	7.92	4.74	3.10	7.29	4.43	3.38	6.74	4.19	3.75
		27°C	8.88	5.93	2.45	8.57	5.80	2.64	8.26	5.68	2.86	7.94	5.55	3.10	7.31	5.21	3.38	6.76	4.94	3.75
		30°C	8.92	7.36	2.46	8.62	7.20	2.65	8.33	7.05	2.86	8.03	6.88	3.11	7.42	6.43	3.39	6.91	6.06	3.76
		33°C	9.16	9.16	2.47	8.90	8.90	2.66	8.65	8.65	2.88	8.39	8.39	3.13	7.79	7.79	3.42	7.30	7.30	3.80
	22°C	27°C	9.73	5.01	2.50	9.39	4.90	2.69	9.07	4.78	2.91	8.72	4.66	3.16	8.03	4.36	3.44	7.44	4.12	3.81
		30°C	9.75	6.20	2.50	9.42	6.07	2.69	9.08	5.94	2.91	8.74	5.82	3.16	8.05	5.46	3.44	7.46	5.19	3.81
		33°C	9.77	7.30	2.50	9.44	7.17	2.69	9.10	7.04	2.91	8.77	6.91	3.16	8.08	6.49	3.44	7.51	6.17	3.82
		36°C	9.87	8.28	2.51	9.55	8.11	2.70	9.24	7.94	2.92	8.94	7.75	3.18	8.28	7.24	3.46	7.75	6.83	3.84

Model: FDYM28CXV1 - RY28CXV1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	3.629	3.629	4.552	4.552	4.859	4.859	8.241	8.241	10.085	10.085	11.008	11.008	11.930	11.930
17°C	3.536	3.536	4.459	4.459	4.766	4.766	8.099	8.099	9.810	9.810	10.700	10.700	11.590	11.590
19°C	3.443	3.443	4.366	4.366	4.673	4.673	7.957	7.957	9.535	9.535	10.393	10.393	11.251	11.251
21°C	3.350	3.350	4.273	4.273	4.580	4.580	7.816	7.816	9.260	9.260	10.086	10.086	10.912	10.912
23°C	3.345	3.345	4.202	4.202	4.487	4.487	7.532	7.532	8.985	8.985	9.779	9.779	10.573	10.573
25°C	3.340	3.340	4.131	4.131	4.395	4.395	7.249	7.249	8.710	8.710	9.472	9.472	10.233	10.233
27°C	3.336	3.336	4.060	4.060	4.302	4.302	6.965	6.965	8.435	8.435	9.165	9.165	9.894	9.894
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM28CXV1 - RY30DXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
710	16°C	21°C	8.29	5.40	2.35	8.00	5.26	2.54	7.70	5.12	2.75	7.39	4.97	2.98	6.79	4.63	3.24	6.27	4.35	3.57
		24°C	8.30	6.47	2.35	8.01	6.32	2.54	7.71	6.17	2.75	7.40	6.02	2.98	6.80	5.62	3.24	6.29	5.30	3.57
		27°C	8.37	7.33	2.35	8.09	7.17	2.54	7.81	7.00	2.76	7.51	6.82	2.99	6.93	6.34	3.25	6.45	5.96	3.58
		30°C	8.63	8.63	2.36	8.38	8.38	2.56	8.13	8.13	2.78	7.86	7.86	3.01	7.29	7.29	3.27	6.82	6.82	3.62
	19°C	24°C	9.15	5.04	2.39	8.83	4.91	2.58	8.50	4.78	2.80	8.17	4.65	3.03	7.50	4.33	3.29	6.94	4.08	3.63
		27°C	9.15	5.77	2.39	8.83	5.64	2.58	8.51	5.51	2.80	8.17	5.38	3.03	7.51	5.03	3.29	6.95	4.76	3.63
		30°C	9.17	7.12	2.39	8.85	6.97	2.58	8.54	6.81	2.80	8.21	6.65	3.04	7.56	6.22	3.30	7.02	5.88	3.63
		33°C	9.28	9.28	2.39	8.97	8.97	2.59	8.68	8.68	2.81	8.39	8.39	3.05	7.76	7.76	3.31	7.25	7.25	3.66
	22°C	27°C	10.06	4.93	2.43	9.72	4.82	2.63	9.36	4.69	2.85	9.00	4.57	3.09	8.27	4.25	3.36	7.66	4.01	3.70
		30°C	10.07	6.01	2.43	9.72	5.89	2.63	9.36	5.75	2.85	9.00	5.62	3.09	8.27	5.26	3.36	7.66	4.98	3.70
		33°C	10.07	7.02	2.43	9.72	6.89	2.63	9.37	6.75	2.85	9.00	6.61	3.09	8.28	6.21	3.36	7.68	5.90	3.70
		36°C	10.10	7.96	2.43	9.77	7.80	2.63	9.43	7.64	2.86	9.09	7.47	3.10	8.38	7.01	3.36	7.79	6.65	3.71
770	16°C	21°C	8.63	5.63	2.37	8.31	5.48	2.56	8.00	5.34	2.77	7.67	5.19	3.01	7.04	4.83	3.26	6.49	4.55	3.60
		24°C	8.65	6.83	2.37	8.34	6.67	2.56	8.03	6.51	2.78	7.70	6.35	3.01	7.08	5.92	3.27	6.54	5.59	3.60
		27°C	8.76	7.76	2.38	8.46	7.58	2.57	8.17	7.38	2.79	7.88	7.16	3.02	7.27	6.65	3.28	6.78	6.22	3.62
		30°C	9.12	9.12	2.39	8.86	8.86	2.59	8.59	8.59	2.81	8.31	8.31	3.05	7.70	7.70	3.31	7.20	7.20	3.66
	19°C	24°C	9.50	5.33	2.41	9.16	5.19	2.61	8.82	5.06	2.82	8.47	4.92	3.06	7.78	4.58	3.32	7.18	4.32	3.66
		27°C	9.52	6.13	2.41	9.18	6.00	2.61	8.84	5.86	2.82	8.48	5.72	3.06	7.79	5.35	3.32	7.21	5.07	3.66
		30°C	9.57	7.57	2.41	9.23	7.40	2.61	8.90	7.24	2.83	8.56	7.06	3.07	7.88	6.60	3.33	7.31	6.24	3.67
		33°C	9.73	9.73	2.42	9.43	9.43	2.62	9.13	9.13	2.84	8.83	8.83	3.09	8.17	8.17	3.35	7.64	7.64	3.70
	22°C	27°C	10.44	5.21	2.45	10.07	5.09	2.66	9.70	4.96	2.88	9.31	4.83	3.12	8.56	4.50	3.39	7.92	4.25	3.73
		30°C	10.45	6.40	2.45	10.09	6.27	2.66	9.71	6.13	2.88	9.33	5.98	3.12	8.57	5.60	3.39	7.93	5.32	3.73
		33°C	10.47	7.50	2.45	10.11	7.35	2.66	9.74	7.20	2.88	9.36	7.05	3.13	8.61	6.61	3.39	7.98	6.28	3.74
		36°C	10.54	8.48	2.46	10.20	8.31	2.66	9.84	8.14	2.89	9.48	7.95	3.14	8.75	7.44	3.40	8.16	7.02	3.75
810	16°C	21°C	8.94	5.87	2.39	8.62	5.72	2.58	8.29	5.57	2.80	7.94	5.42	3.03	7.28	5.04	3.29	6.72	4.75	3.62
		24°C	8.99	7.14	2.39	8.66	6.97	2.59	8.34	6.80	2.80	8.00	6.62	3.04	7.35	6.18	3.29	6.79	5.82	3.63
		27°C	9.14	8.18	2.40	8.84	7.97	2.60	8.54	7.74	2.81	8.23	7.50	3.05	7.61	6.95	3.31	7.09	6.49	3.66
		30°C	9.59	9.59	2.42	9.31	9.31	2.62	9.03	9.03	2.84	8.73	8.73	3.09	8.08	8.08	3.35	7.55	7.55	3.70
	19°C	24°C	9.84	5.63	2.43	9.49	5.49	2.63	9.13	5.35	2.85	8.76	5.21	3.09	8.04	4.85	3.35	7.42	4.58	3.69
		27°C	9.87	6.52	2.43	9.52	6.37	2.63	9.16	6.22	2.85	8.79	6.07	3.09	8.07	5.67	3.35	7.46	5.37	3.69
		30°C	9.96	8.02	2.43	9.60	7.84	2.64	9.26	7.67	2.86	8.90	7.47	3.10	8.20	6.98	3.36	7.61	6.58	3.71
		33°C	10.17	10.17	2.45	9.87	9.87	2.65	9.57	9.57	2.88	9.25	9.25	3.12	8.57	8.57	3.39	8.02	8.02	3.75
	22°C	27°C	10.80	5.51	2.47	10.42	5.39	2.68	10.03	5.25	2.90	9.62	5.12	3.15	8.84	4.77	3.41	8.17	4.51	3.76
		30°C	10.83	6.79	2.47	10.44	6.66	2.68	10.05	6.52	2.91	9.64	6.37	3.15	8.86	5.97	3.42	8.19	5.66	3.76
		33°C	10.86	7.96	2.48	10.49	7.82	2.68	10.10	7.66	2.91	9.70	7.49	3.16	8.93	7.02	3.42	8.27	6.66	3.77
		36°C	10.96	8.99	2.48	10.62	8.83	2.69	10.25	8.63	2.92	9.88	8.42	3.17	9.13	7.85	3.44	8.52	7.39	3.80
850	16°C	21°C	8.94	5.92	2.41	8.62	5.78	2.60	8.31	5.64	2.81	7.98	5.49	3.05	7.34	5.12	3.33	6.78	4.82	3.70
		24°C	8.97	7.24	2.41	8.65	7.09	2.60	8.34	6.93	2.81	8.02	6.77	3.05	7.37	6.33	3.33	6.83	5.97	3.70
		27°C	9.12	8.30	2.42	8.84	8.10	2.61	8.56	7.88	2.82	8.27	7.65	3.07	7.66	7.23	3.35	7.16	6.82	3.72
		30°C	9.61	9.61	2.44	9.34	9.34	2.63	9.07	9.07	2.85	8.79	8.79	3.10	8.16	8.16	3.38	7.63	7.63	3.76
	19°C	24°C	9.84	5.68	2.45	9.50	5.54	2.64	9.16	5.41	2.86	8.81	5.27	3.10	8.10	4.92	3.38	7.49	4.65	3.75
		27°C	9.87	6.59	2.45	9.52	6.45	2.64	9.18	6.31	2.86	8.83	6.17	3.10	8.12	5.79	3.38	7.52	5.50	3.75
		30°C	9.92	8.18	2.46	9.58	8.01	2.65	9.26	7.84	2.86	8.93	7.65	3.11	8.24	7.15	3.39	7.68	6.74	3.76
		33°C	10.18	10.18	2.47	9.89	9.89	2.66	9.61	9.61	2.88	9.32	9.32	3.13	8.66	8.66	3.42	8.12	8.12	3.80
	22°C	27°C	10.81	5.57	2.50	10.44	5.44	2.69	10.08	5.32	2.91	9.69	5.18	3.16	8.93	4.84	3.44	8.27	4.58	3.81
		30°C	10.84	6.89	2.50	10.47	6.75	2.69	10.10	6.61	2.91	9.72	6.46	3.16	8.95	6.06	3.44	8.29	5.77	3.81
		33°C	10.86	8.12	2.50	10.49	7.97	2.69	10.12	7.83	2.91	9.75	7.68	3.16	8.98	7.21	3.44	8.35	6.85	3.82
		36°C	10.97	9.20	2.51	10.62	9.02	2.70	10.27	8.83	2.92	9.94	8.61	3.18	9.21	8.05	3.46	8.62	7.60	3.84

Model: FDYM28CXV1 - RY30DXV1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	3.942	3.942	4.829	4.829	5.125	5.125	8.381	8.381	10.157	10.157	11.045	11.045	11.933	11.933
17°C	3.868	3.868	4.740	4.740	5.030	5.030	8.379	8.379	9.882	9.882	10.738	10.738	11.594	11.594
19°C	3.795	3.795	4.650	4.650	4.935	4.935	8.376	8.376	9.606	9.606	10.430	10.430	11.255	11.255
21°C	3.722	3.722	4.560	4.560	4.839	4.839	8.374	8.374	9.330	9.330	10.123	10.123	10.915	10.915
23°C	3.690	3.690	4.480	4.480	4.744	4.744	7.941	7.941	9.054	9.054	9.815	9.815	10.576	10.576
25°C	3.658	3.658	4.401	4.401	4.648	4.648	7.508	7.508	8.779	8.779	9.508	9.508	10.237	10.237
27°C	3.627	3.627	4.321	4.321	4.553	4.553	7.076	7.076	8.503	8.503	9.200	9.200	9.897	9.897
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM28CXV1 - RY30DXY1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
710	16°C	21°C	8.29	5.40	2.33	8.00	5.26	2.52	7.70	5.12	2.73	7.39	4.97	2.96	6.79	4.63	3.21	6.27	4.35	3.54
		24°C	8.30	6.47	2.33	8.01	6.32	2.52	7.71	6.17	2.73	7.40	6.02	2.96	6.80	5.62	3.22	6.29	5.30	3.55
		27°C	8.37	7.33	2.34	8.09	7.17	2.53	7.81	7.00	2.74	7.51	6.82	2.97	6.93	6.34	3.22	6.45	5.96	3.56
		30°C	8.63	8.63	2.35	8.38	8.38	2.54	8.13	8.13	2.76	7.86	7.86	2.99	7.29	7.29	3.25	6.82	6.82	3.59
	19°C	24°C	9.15	5.04	2.37	8.83	4.91	2.57	8.50	4.78	2.78	8.17	4.65	3.01	7.50	4.33	3.27	6.94	4.08	3.60
		27°C	9.15	5.77	2.37	8.83	5.64	2.57	8.51	5.51	2.78	8.17	5.38	3.02	7.51	5.03	3.27	6.95	4.76	3.61
		30°C	9.17	7.12	2.37	8.85	6.97	2.57	8.54	6.81	2.78	8.21	6.65	3.02	7.56	6.22	3.28	7.02	5.88	3.61
		33°C	9.28	9.28	2.38	8.97	8.97	2.57	8.68	8.68	2.79	8.39	8.39	3.03	7.76	7.76	3.29	7.25	7.25	3.63
	22°C	27°C	10.06	4.93	2.41	9.72	4.82	2.61	9.36	4.69	2.83	9.00	4.57	3.07	8.27	4.25	3.33	7.66	4.01	3.67
		30°C	10.07	6.01	2.41	9.72	5.89	2.61	9.36	5.75	2.83	9.00	5.62	3.07	8.27	5.26	3.33	7.66	4.98	3.67
		33°C	10.07	7.02	2.41	9.72	6.89	2.61	9.37	6.75	2.83	9.00	6.61	3.07	8.28	6.21	3.34	7.68	5.90	3.68
		36°C	10.10	7.96	2.42	9.77	7.80	2.62	9.43	7.64	2.84	9.09	7.47	3.08	8.38	7.01	3.34	7.79	6.65	3.69
770	16°C	21°C	8.63	5.63	2.35	8.31	5.48	2.55	8.00	5.34	2.76	7.67	5.19	2.99	7.04	4.83	3.24	6.49	4.55	3.57
		24°C	8.65	6.83	2.35	8.34	6.67	2.55	8.03	6.51	2.76	7.70	6.35	2.99	7.08	5.92	3.25	6.54	5.59	3.58
		27°C	8.76	7.76	2.36	8.46	7.58	2.55	8.17	7.38	2.77	7.88	7.16	3.00	7.27	6.65	3.26	6.78	6.22	3.60
		30°C	9.12	9.12	2.38	8.86	8.86	2.57	8.59	8.59	2.79	8.31	8.31	3.03	7.70	7.70	3.29	7.20	7.20	3.64
	19°C	24°C	9.50	5.33	2.39	9.16	5.19	2.59	8.82	5.06	2.81	8.47	4.92	3.04	7.78	4.58	3.30	7.18	4.32	3.64
		27°C	9.52	6.13	2.39	9.18	6.00	2.59	8.84	5.86	2.81	8.48	5.72	3.04	7.79	5.35	3.30	7.21	5.07	3.64
		30°C	9.57	7.57	2.40	9.23	7.40	2.59	8.90	7.24	2.81	8.56	7.06	3.05	7.88	6.60	3.31	7.31	6.24	3.65
		33°C	9.73	9.73	2.40	9.43	9.43	2.60	9.13	9.13	2.83	8.83	8.83	3.07	8.17	8.17	3.33	7.64	7.64	3.68
	22°C	27°C	10.44	5.21	2.44	10.07	5.09	2.64	9.70	4.96	2.86	9.31	4.83	3.10	8.56	4.50	3.36	7.92	4.25	3.71
		30°C	10.45	6.40	2.44	10.09	6.27	2.64	9.71	6.13	2.86	9.33	5.98	3.10	8.57	5.60	3.37	7.93	5.32	3.71
		33°C	10.47	7.50	2.44	10.11	7.35	2.64	9.74	7.20	2.86	9.36	7.05	3.11	8.61	6.61	3.37	7.98	6.28	3.71
		36°C	10.54	8.48	2.44	10.20	8.31	2.65	9.84	8.14	2.87	9.48	7.95	3.12	8.75	7.44	3.38	8.16	7.02	3.73
810	16°C	21°C	8.94	5.87	2.37	8.62	5.72	2.57	8.29	5.57	2.78	7.94	5.42	3.01	7.28	5.04	3.27	6.72	4.75	3.60
		24°C	8.99	7.14	2.38	8.66	6.97	2.57	8.34	6.80	2.78	8.00	6.62	3.02	7.35	6.18	3.27	6.79	5.82	3.61
		27°C	9.14	8.18	2.38	8.84	7.97	2.58	8.54	7.74	2.79	8.23	7.50	3.03	7.61	6.95	3.29	7.09	6.49	3.63
		30°C	9.59	9.59	2.40	9.31	9.31	2.60	9.03	9.03	2.82	8.73	8.73	3.07	8.08	8.08	3.33	7.55	7.55	3.68
	19°C	24°C	9.84	5.63	2.41	9.49	5.49	2.61	9.13	5.35	2.83	8.76	5.21	3.07	8.04	4.85	3.33	7.42	4.58	3.66
		27°C	9.87	6.52	2.41	9.52	6.37	2.61	9.16	6.22	2.83	8.79	6.07	3.07	8.07	5.67	3.33	7.46	5.37	3.67
		30°C	9.96	8.02	2.42	9.60	7.84	2.62	9.26	7.67	2.84	8.90	7.47	3.08	8.20	6.98	3.34	7.61	6.58	3.68
		33°C	10.17	10.17	2.43	9.87	9.87	2.63	9.57	9.57	2.86	9.25	9.25	3.10	8.57	8.57	3.37	8.02	8.02	3.72
	22°C	27°C	10.80	5.51	2.46	10.42	5.39	2.66	10.03	5.25	2.89	9.62	5.12	3.13	8.84	4.77	3.39	8.17	4.51	3.74
		30°C	10.83	6.79	2.46	10.44	6.66	2.66	10.05	6.52	2.89	9.64	6.37	3.13	8.86	5.97	3.39	8.19	5.66	3.74
		33°C	10.86	7.96	2.46	10.49	7.82	2.67	10.10	7.66	2.89	9.70	7.49	3.14	8.93	7.02	3.40	8.27	6.66	3.75
		36°C	10.96	8.99	2.47	10.62	8.83	2.67	10.25	8.63	2.90	9.88	8.42	3.15	9.13	7.85	3.42	8.52	7.39	3.77
850	16°C	21°C	8.94	5.92	2.40	8.62	5.78	2.58	8.31	5.64	2.79	7.98	5.49	3.03	7.34	5.12	3.30	6.78	4.82	3.67
		24°C	8.97	7.24	2.40	8.65	7.09	2.58	8.34	6.93	2.79	8.02	6.77	3.03	7.37	6.33	3.31	6.83	5.97	3.67
		27°C	9.12	8.30	2.40	8.84	8.10	2.59	8.56	7.88	2.80	8.27	7.65	3.05	7.66	7.23	3.33	7.16	6.82	3.70
		30°C	9.61	9.61	2.43	9.34	9.34	2.62	9.07	9.07	2.83	8.79	8.79	3.08	8.16	8.16	3.36	7.63	7.63	3.74
	19°C	24°C	9.84	5.68	2.44	9.50	5.54	2.62	9.16	5.41	2.84	8.81	5.27	3.08	8.10	4.92	3.36	7.49	4.65	3.73
		27°C	9.87	6.59	2.44	9.52	6.45	2.62	9.18	6.31	2.84	8.83	6.17	3.08	8.12	5.79	3.36	7.52	5.50	3.73
		30°C	9.92	8.18	2.44	9.58	8.01	2.63	9.26	7.84	2.84	8.93	7.65	3.09	8.24	7.15	3.37	7.68	6.74	3.74
		33°C	10.18	10.18	2.45	9.89	9.89	2.64	9.61	9.61	2.86	9.32	9.32	3.11	8.66	8.66	3.40	8.12	8.12	3.78
	22°C	27°C	10.81	5.57	2.48	10.44	5.44	2.67	10.08	5.32	2.89	9.69	5.18	3.14	8.93	4.84	3.42	8.27	4.58	3.79
		30°C	10.84	6.89	2.48	10.47	6.75	2.68	10.10	6.61	2.89	9.72	6.46	3.14	8.95	6.06	3.42	8.29	5.77	3.79
		33°C	10.86	8.12	2.49	10.49	7.97	2.68	10.12	7.83	2.89	9.75	7.68	3.14	8.98	7.21	3.42	8.35	6.85	3.79
		36°C	10.97	9.20	2.49	10.62	9.02	2.68	10.27	8.83	2.90	9.94	8.61	3.16	9.21	8.05	3.44	8.62	7.60	3.82

Model: FDYM28CXV1 - RY30DXY1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	3.942	3.942	4.829	4.829	5.125	5.125	8.381	8.381	10.157	10.157	11.045	11.045	11.933	11.933
17°C	3.868	3.868	4.740	4.740	5.030	5.030	8.379	8.379	9.882	9.882	10.738	10.738	11.594	11.594
19°C	3.795	3.795	4.650	4.650	4.935	4.935	8.376	8.376	9.606	9.606	10.430	10.430	11.255	11.255
21°C	3.722	3.722	4.560	4.560	4.839	4.839	8.374	8.374	9.330	9.330	10.123	10.123	10.915	10.915
23°C	3.690	3.690	4.480	4.480	4.744	4.744	7.941	7.941	9.054	9.054	9.815	9.815	10.576	10.576
25°C	3.658	3.658	4.401	4.401	4.648	4.648	7.508	7.508	8.779	8.779	9.508	9.508	10.237	10.237
27°C	3.627	3.627	4.321	4.321	4.553	4.553	7.076	7.076	8.503	8.503	9.200	9.200	9.897	9.897
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM30CXV1 - RY28CXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
710	16°C	21°C	7.74	5.77	2.28	7.47	5.62	2.46	7.19	5.47	2.67	6.90	5.31	2.89	6.34	4.94	3.14	5.85	4.65	3.46
		24°C	7.75	6.91	2.28	7.47	6.75	2.46	7.20	6.59	2.67	6.91	6.43	2.89	6.35	6.01	3.14	5.87	5.67	3.46
		27°C	7.81	7.81	2.28	7.55	7.55	2.47	7.29	7.29	2.67	7.01	7.01	2.90	6.47	6.47	3.15	6.02	6.02	3.47
		30°C	8.05	8.05	2.29	7.82	7.82	2.48	7.58	7.58	2.69	7.34	7.34	2.92	6.80	6.80	3.18	6.36	6.36	3.51
	19°C	24°C	8.54	5.39	2.31	8.24	5.25	2.50	7.94	5.11	2.71	7.62	4.97	2.94	7.00	4.63	3.19	6.48	4.36	3.52
		27°C	8.54	6.16	2.31	8.24	6.02	2.50	7.94	5.89	2.71	7.63	5.74	2.94	7.01	5.37	3.19	6.48	5.09	3.52
		30°C	8.56	7.61	2.31	8.26	7.44	2.51	7.97	7.28	2.72	7.67	7.10	2.95	7.06	6.64	3.20	6.55	6.29	3.53
		33°C	8.66	8.66	2.32	8.38	8.38	2.51	8.10	8.10	2.72	7.83	7.83	2.96	7.24	7.24	3.21	6.77	6.77	3.55
	22°C	27°C	9.39	5.27	2.36	9.07	5.15	2.55	8.74	5.02	2.77	8.40	4.88	3.00	7.72	4.55	3.25	7.15	4.29	3.59
		30°C	9.40	6.43	2.36	9.07	6.29	2.55	8.74	6.15	2.77	8.40	6.00	3.00	7.72	5.62	3.26	7.15	5.33	3.59
		33°C	9.40	7.50	2.36	9.07	7.36	2.55	8.74	7.22	2.77	8.40	7.07	3.00	7.73	6.63	3.26	7.17	6.30	3.59
		36°C	9.43	8.51	2.36	9.12	8.34	2.56	8.80	8.17	2.77	8.48	7.99	3.01	7.82	7.49	3.26	7.27	7.10	3.60
760	16°C	21°C	8.05	6.01	2.30	7.76	5.86	2.48	7.47	5.70	2.69	7.16	5.54	2.92	6.57	5.16	3.16	6.06	4.86	3.49
		24°C	8.08	7.30	2.30	7.78	7.13	2.49	7.49	6.96	2.69	7.19	6.78	2.92	6.61	6.33	3.17	6.11	5.97	3.49
		27°C	8.17	8.17	2.30	7.90	7.90	2.49	7.63	7.63	2.70	7.35	7.35	2.93	6.79	6.79	3.18	6.32	6.32	3.51
		30°C	8.51	8.51	2.32	8.27	8.27	2.51	8.01	8.01	2.73	7.75	7.75	2.96	7.18	7.18	3.22	6.72	6.72	3.55
	19°C	24°C	8.87	5.69	2.34	8.55	5.55	2.53	8.23	5.40	2.74	7.90	5.25	2.97	7.26	4.90	3.22	6.70	4.61	3.55
		27°C	8.89	6.55	2.34	8.57	6.41	2.53	8.25	6.26	2.74	7.92	6.12	2.97	7.27	5.72	3.22	6.72	5.41	3.55
		30°C	8.93	8.08	2.34	8.62	7.91	2.53	8.31	7.73	2.74	7.99	7.54	2.98	7.36	7.05	3.23	6.83	6.66	3.56
		33°C	9.08	9.08	2.35	8.80	8.80	2.54	8.52	8.52	2.76	8.24	8.24	2.99	7.63	7.63	3.25	7.13	7.13	3.59
	22°C	27°C	9.75	5.57	2.38	9.40	5.44	2.58	9.05	5.30	2.79	8.69	5.16	3.03	7.99	4.81	3.28	7.39	4.54	3.62
		30°C	9.76	6.84	2.38	9.41	6.69	2.58	9.06	6.55	2.79	8.70	6.39	3.03	8.00	5.99	3.29	7.40	5.68	3.62
		33°C	9.77	8.01	2.38	9.44	7.86	2.58	9.09	7.70	2.80	8.73	7.53	3.03	8.03	7.07	3.29	7.45	6.71	3.62
		36°C	9.84	9.06	2.38	9.52	8.88	2.58	9.19	8.70	2.80	8.85	8.50	3.04	8.17	7.95	3.30	7.61	7.50	3.64
830	16°C	21°C	8.35	6.28	2.32	8.04	6.12	2.50	7.73	5.95	2.71	7.41	5.79	2.94	6.80	5.39	3.19	6.27	5.07	3.51
		24°C	8.39	7.63	2.32	8.09	7.44	2.51	7.78	7.26	2.72	7.47	7.07	2.95	6.86	6.60	3.19	6.34	6.22	3.52
		27°C	8.53	8.53	2.33	8.25	8.25	2.52	7.97	7.97	2.73	7.68	7.68	2.96	7.10	7.10	3.21	6.62	6.62	3.55
		30°C	8.95	8.95	2.35	8.69	8.69	2.54	8.42	8.42	2.76	8.15	8.15	2.99	7.54	7.54	3.25	7.05	7.05	3.59
	19°C	24°C	9.19	6.02	2.35	8.86	5.87	2.55	8.52	5.72	2.76	8.17	5.56	2.99	7.50	5.19	3.25	6.92	4.89	3.58
		27°C	9.22	6.96	2.36	8.88	6.80	2.55	8.55	6.65	2.76	8.21	6.48	3.00	7.53	6.06	3.25	6.96	5.74	3.58
		30°C	9.29	8.57	2.36	8.96	8.38	2.56	8.64	8.19	2.77	8.31	7.99	3.00	7.65	7.46	3.26	7.10	7.03	3.59
		33°C	9.49	9.49	2.37	9.22	9.22	2.57	8.93	8.93	2.79	8.64	8.64	3.03	8.00	8.00	3.29	7.48	7.48	3.63
	22°C	27°C	10.08	5.89	2.40	9.72	5.76	2.60	9.36	5.61	2.82	8.98	5.47	3.05	8.25	5.10	3.31	7.63	4.82	3.65
		30°C	10.10	7.26	2.40	9.74	7.12	2.60	9.38	6.97	2.82	9.00	6.81	3.06	8.27	6.38	3.31	7.65	6.04	3.65
		33°C	10.14	8.51	2.40	9.79	8.36	2.60	9.43	8.18	2.82	9.06	8.00	3.06	8.33	7.50	3.32	7.72	7.12	3.66
		36°C	10.23	9.61	2.41	9.91	9.43	2.61	9.57	9.22	2.83	9.22	9.00	3.07	8.52	8.39	3.34	7.95	7.90	3.68
900	16°C	21°C	8.35	6.33	2.34	8.05	6.18	2.52	7.76	6.03	2.72	7.45	5.87	2.96	6.85	5.47	3.23	6.32	5.15	3.58
		24°C	8.37	7.74	2.34	8.08	7.57	2.52	7.79	7.41	2.73	7.49	7.23	2.96	6.88	6.76	3.23	6.37	6.37	3.59
		27°C	8.51	8.51	2.35	8.25	8.25	2.53	7.99	7.99	2.74	7.72	7.72	2.98	7.15	7.15	3.25	6.68	6.68	3.61
		30°C	8.97	8.97	2.37	8.72	8.72	2.55	8.47	8.47	2.77	8.21	8.21	3.01	7.61	7.61	3.28	7.12	7.12	3.65
	19°C	24°C	9.18	6.07	2.38	8.87	5.92	2.56	8.55	5.78	2.77	8.22	5.63	3.01	7.56	5.26	3.28	7.00	4.97	3.64
		27°C	9.21	7.04	2.38	8.89	6.89	2.56	8.57	6.75	2.77	8.24	6.60	3.01	7.58	6.18	3.28	7.02	5.87	3.64
		30°C	9.26	8.74	2.38	8.95	8.56	2.57	8.65	8.38	2.78	8.34	8.18	3.02	7.69	7.64	3.29	7.17	7.17	3.65
		33°C	9.50	9.50	2.39	9.23	9.23	2.58	8.97	8.97	2.80	8.70	8.70	3.04	8.08	8.08	3.32	7.58	7.58	3.69
	22°C	27°C	10.09	5.95	2.42	9.75	5.81	2.61	9.41	5.68	2.82	9.05	5.54	3.06	8.33	5.18	3.33	7.72	4.90	3.70
		30°C	10.12	7.36	2.42	9.77	7.21	2.61	9.42	7.06	2.82	9.07	6.91	3.07	8.35	6.48	3.34	7.74	6.16	3.70
		33°C	10.14	8.67	2.43	9.79	8.52	2.61	9.45	8.37	2.83	9.10	8.20	3.07	8.38	7.71	3.34	7.79	7.32	3.70
		36°C	10.24	9.83	2.43	9.91	9.63	2.62	9.59	9.43	2.84	9.28	9.20	3.08	8.59	8.59	3.35	8.04	8.04	3.73

Model: FDYM30CXV1 - RY28CXV1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	3.859	3.859	4.849	4.849	5.179	5.179	8.810	8.810	10.791	10.791	11.781	11.781	12.772	12.772
17°C	3.757	3.757	4.749	4.749	5.080	5.080	8.572	8.572	10.497	10.497	11.453	11.453	12.408	12.408
19°C	3.656	3.656	4.650	4.650	4.981	4.981	8.333	8.333	10.202	10.202	11.124	11.124	12.045	12.045
21°C	3.554	3.554	4.550	4.550	4.882	4.882	8.095	8.095	9.908	9.908	10.795	10.795	11.682	11.682
23°C	3.552	3.552	4.475	4.475	4.782	4.782	7.883	7.883	9.614	9.614	10.466	10.466	11.319	11.319
25°C	3.549	3.549	4.400	4.400	4.683	4.683	7.671	7.671	9.319	9.319	10.137	10.137	10.955	10.955
27°C	3.547	3.547	4.325	4.325	4.584	4.584	7.459	7.459	9.025	9.025	9.808	9.808	10.592	10.592
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYB30CXV1 - RY28CXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
740	16°C	21°C	7.74	5.77	2.37	7.47	5.62	2.57	7.19	5.47	2.78	6.90	5.31	3.01	6.34	4.94	3.27	5.85	4.65	3.61
		24°C	7.75	6.91	2.37	7.47	6.75	2.57	7.20	6.59	2.78	6.91	6.43	3.02	6.35	6.01	3.27	5.87	5.67	3.61
		27°C	7.81	7.81	2.38	7.55	7.55	2.57	7.29	7.29	2.79	7.01	7.01	3.02	6.47	6.47	3.28	6.02	6.02	3.62
		30°C	8.05	8.05	2.39	7.82	7.82	2.59	7.58	7.58	2.81	7.34	7.34	3.05	6.80	6.80	3.31	6.36	6.36	3.66
	19°C	24°C	8.54	5.39	2.41	8.24	5.25	2.61	7.94	5.11	2.83	7.62	4.97	3.07	7.00	4.63	3.33	6.48	4.36	3.67
		27°C	8.54	6.16	2.41	8.24	6.02	2.61	7.94	5.89	2.83	7.63	5.74	3.07	7.01	5.37	3.33	6.48	5.09	3.67
		30°C	8.56	7.61	2.41	8.26	7.44	2.61	7.97	7.28	2.83	7.67	7.10	3.07	7.06	6.64	3.33	6.55	6.29	3.67
		33°C	8.66	8.66	2.42	8.38	8.38	2.62	8.10	8.10	2.84	7.83	7.83	3.08	7.24	7.24	3.35	6.77	6.77	3.70
	22°C	27°C	9.39	5.27	2.46	9.07	5.15	2.66	8.74	5.02	2.88	8.40	4.88	3.13	7.72	4.55	3.39	7.15	4.29	3.74
		30°C	9.40	6.43	2.46	9.07	6.29	2.66	8.74	6.15	2.88	8.40	6.00	3.13	7.72	5.62	3.39	7.15	5.33	3.74
		33°C	9.40	7.50	2.46	9.07	7.36	2.66	8.74	7.22	2.88	8.40	7.07	3.13	7.73	6.63	3.39	7.17	6.30	3.74
		36°C	9.43	8.51	2.46	9.12	8.34	2.66	8.80	8.17	2.89	8.48	7.99	3.13	7.82	7.49	3.40	7.27	7.10	3.75
790	16°C	21°C	8.05	6.01	2.40	7.76	5.86	2.59	7.47	5.70	2.80	7.16	5.54	3.04	6.57	5.16	3.30	6.06	4.86	3.64
		24°C	8.08	7.30	2.40	7.78	7.13	2.59	7.49	6.96	2.81	7.19	6.78	3.04	6.61	6.33	3.30	6.11	5.97	3.64
		27°C	8.17	8.17	2.40	7.90	7.90	2.60	7.63	7.63	2.82	7.35	7.35	3.06	6.79	6.79	3.32	6.32	6.32	3.66
		30°C	8.51	8.51	2.42	8.27	8.27	2.62	8.01	8.01	2.84	7.75	7.75	3.08	7.18	7.18	3.35	6.72	6.72	3.70
	19°C	24°C	8.87	5.69	2.43	8.55	5.55	2.63	8.23	5.40	2.85	7.90	5.25	3.10	7.26	4.90	3.36	6.70	4.61	3.70
		27°C	8.89	6.55	2.43	8.57	6.41	2.64	8.25	6.26	2.86	7.92	6.12	3.10	7.27	5.72	3.36	6.72	5.41	3.70
		30°C	8.93	8.08	2.44	8.62	7.91	2.64	8.31	7.73	2.86	7.99	7.54	3.10	7.36	7.05	3.37	6.83	6.66	3.71
		33°C	9.08	9.08	2.45	8.80	8.80	2.65	8.52	8.52	2.87	8.24	8.24	3.12	7.63	7.63	3.39	7.13	7.13	3.74
	22°C	27°C	9.75	5.57	2.48	9.40	5.44	2.69	9.05	5.30	2.91	8.69	5.16	3.16	7.99	4.81	3.42	7.39	4.54	3.77
		30°C	9.76	6.84	2.48	9.41	6.69	2.69	9.06	6.55	2.91	8.70	6.39	3.16	8.00	5.99	3.42	7.40	5.68	3.77
		33°C	9.77	8.01	2.48	9.44	7.86	2.69	9.09	7.70	2.91	8.73	7.53	3.16	8.03	7.07	3.43	7.45	6.71	3.78
		36°C	9.84	9.06	2.48	9.52	8.88	2.69	9.19	8.70	2.92	8.85	8.50	3.17	8.17	7.95	3.44	7.61	7.50	3.80
880	16°C	21°C	8.35	6.28	2.41	8.04	6.12	2.61	7.73	5.95	2.83	7.41	5.79	3.07	6.80	5.39	3.32	6.27	5.07	3.66
		24°C	8.39	7.63	2.42	8.09	7.44	2.61	7.78	7.26	2.83	7.47	7.07	3.07	6.86	6.60	3.33	6.34	6.22	3.67
		27°C	8.53	8.53	2.42	8.25	8.25	2.62	7.97	7.97	2.84	7.68	7.68	3.09	7.10	7.10	3.35	6.62	6.62	3.70
		30°C	8.95	8.95	2.45	8.69	8.69	2.65	8.42	8.42	2.87	8.15	8.15	3.12	7.54	7.54	3.39	7.05	7.05	3.74
	19°C	24°C	9.19	6.02	2.45	8.86	5.87	2.66	8.52	5.72	2.88	8.17	5.56	3.12	7.50	5.19	3.38	6.92	4.89	3.73
		27°C	9.22	6.96	2.46	8.88	6.80	2.66	8.55	6.65	2.88	8.21	6.48	3.12	7.53	6.06	3.39	6.96	5.74	3.73
		30°C	9.29	8.57	2.46	8.96	8.38	2.66	8.64	8.19	2.89	8.31	7.99	3.13	7.65	7.46	3.40	7.10	7.03	3.75
		33°C	9.49	9.49	2.47	9.22	9.22	2.68	8.93	8.93	2.91	8.64	8.64	3.16	8.00	8.00	3.43	7.48	7.48	3.79
	22°C	27°C	10.08	5.89	2.50	9.72	5.76	2.71	9.36	5.61	2.94	8.98	5.47	3.18	8.25	5.10	3.45	7.63	4.82	3.80
		30°C	10.10	7.26	2.50	9.74	7.12	2.71	9.38	6.97	2.94	9.00	6.81	3.19	8.27	6.38	3.45	7.65	6.04	3.80
		33°C	10.14	8.51	2.50	9.79	8.36	2.71	9.43	8.18	2.94	9.06	8.00	3.19	8.33	7.50	3.46	7.72	7.12	3.81
		36°C	10.23	9.61	2.51	9.91	9.43	2.72	9.57	9.22	2.95	9.22	9.00	3.20	8.52	8.39	3.48	7.95	7.90	3.84
940	16°C	21°C	8.35	6.33	2.44	8.05	6.18	2.62	7.76	6.03	2.84	7.45	5.87	3.08	6.85	5.47	3.36	6.32	5.15	3.74
		24°C	8.37	7.74	2.44	8.08	7.57	2.63	7.79	7.41	2.84	7.49	7.23	3.09	6.88	6.76	3.36	6.37	6.37	3.74
		27°C	8.51	8.51	2.45	8.25	8.25	2.64	7.99	7.99	2.85	7.72	7.72	3.10	7.15	7.15	3.38	6.68	6.68	3.76
		30°C	8.97	8.97	2.47	8.72	8.72	2.66	8.47	8.47	2.88	8.21	8.21	3.13	7.61	7.61	3.42	7.12	7.12	3.80
	19°C	24°C	9.18	6.07	2.48	8.87	5.92	2.67	8.55	5.78	2.89	8.22	5.63	3.14	7.56	5.26	3.41	7.00	4.97	3.79
		27°C	9.21	7.04	2.48	8.89	6.89	2.67	8.57	6.75	2.89	8.24	6.60	3.14	7.58	6.18	3.42	7.02	5.87	3.79
		30°C	9.26	8.74	2.48	8.95	8.56	2.67	8.65	8.38	2.89	8.34	8.18	3.14	7.69	7.64	3.42	7.17	7.17	3.81
		33°C	9.50	9.50	2.50	9.23	9.23	2.69	8.97	8.97	2.91	8.70	8.70	3.17	8.08	8.08	3.46	7.58	7.58	3.84
	22°C	27°C	10.09	5.95	2.53	9.75	5.81	2.72	9.41	5.68	2.94	9.05	5.54	3.19	8.33	5.18	3.48	7.72	4.90	3.85
		30°C	10.12	7.36	2.53	9.77	7.21	2.72	9.42	7.06	2.94	9.07	6.91	3.20	8.35	6.48	3.48	7.74	6.16	3.86
		33°C	10.14	8.67	2.53	9.79	8.52	2.72	9.45	8.37	2.95	9.10	8.20	3.20	8.38	7.71	3.48	7.79	7.32	3.86
		36°C	10.24	9.83	2.53	9.91	9.63	2.73	9.59	9.43	2.96	9.28	9.20	3.21	8.59	8.59	3.50	8.04	8.04	3.88

Model: FDYB30CXV1 - RY28CXV1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	3.859	3.859	4.849	4.849	5.179	5.179	8.810	8.810	10.791	10.791	11.781	11.781	12.772	12.772
17°C	3.757	3.757	4.749	4.749	5.080	5.080	8.572	8.572	10.497	10.497	11.453	11.453	12.408	12.408
19°C	3.656	3.656	4.650	4.650	4.981	4.981	8.333	8.333	10.202	10.202	11.124	11.124	12.045	12.045
21°C	3.554	3.554	4.550	4.550	4.882	4.882	8.095	8.095	9.908	9.908	10.795	10.795	11.682	11.682
23°C	3.552	3.552	4.475	4.475	4.782	4.782	7.883	7.883	9.614	9.614	10.466	10.466	11.319	11.319
25°C	3.549	3.549	4.400	4.400	4.683	4.683	7.671	7.671	9.319	9.319	10.137	10.137	10.955	10.955
27°C	3.547	3.547	4.325	4.325	4.584	4.584	7.459	7.459	9.025	9.025	9.808	9.808	10.592	10.592
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM30CXV1 - RY30DXV1 / FDYB30CXV1 - RY30DXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
710 / 740	16°C	21°C	8.29	6.18	2.39	8.00	6.02	2.58	7.70	5.86	2.80	7.39	5.69	3.04	6.79	5.30	3.29	6.27	4.98	3.63
		24°C	8.30	7.40	2.39	8.01	7.23	2.59	7.71	7.06	2.80	7.40	6.89	3.04	6.80	6.43	3.29	6.29	6.07	3.63
		27°C	8.37	8.37	2.39	8.09	8.09	2.59	7.81	7.81	2.81	7.51	7.51	3.04	6.93	6.93	3.30	6.45	6.45	3.65
		30°C	8.63	8.63	2.41	8.38	8.38	2.60	8.12	8.12	2.82	7.86	7.86	3.07	7.29	7.29	3.33	6.82	6.82	3.68
	19°C	24°C	9.15	5.77	2.43	8.83	5.63	2.63	8.50	5.48	2.85	8.17	5.32	3.09	7.50	4.96	3.35	6.94	4.67	3.69
		27°C	9.15	6.60	2.43	8.83	6.45	2.63	8.51	6.31	2.85	8.17	6.15	3.09	7.51	5.76	3.35	6.95	5.45	3.69
		30°C	9.17	8.15	2.43	8.85	7.98	2.63	8.54	7.80	2.85	8.21	7.61	3.09	7.56	7.12	3.36	7.02	6.74	3.70
		33°C	9.28	9.28	2.43	8.97	8.97	2.64	8.68	8.68	2.86	8.39	8.39	3.10	7.76	7.76	3.37	7.25	7.25	3.72
	22°C	27°C	10.06	5.65	2.47	9.71	5.51	2.68	9.36	5.37	2.90	8.99	5.23	3.15	8.27	4.87	3.42	7.66	4.59	3.76
		30°C	10.07	6.88	2.47	9.72	6.74	2.68	9.36	6.58	2.90	9.00	6.43	3.15	8.27	6.02	3.42	7.66	5.71	3.76
		33°C	10.07	8.04	2.47	9.72	7.89	2.68	9.37	7.73	2.90	9.00	7.57	3.15	8.28	7.11	3.42	7.68	6.75	3.77
		36°C	10.10	9.12	2.47	9.77	8.93	2.68	9.43	8.75	2.91	9.09	8.56	3.16	8.38	8.02	3.42	7.79	7.61	3.78
760 / 790	16°C	21°C	8.63	6.44	2.41	8.31	6.28	2.61	8.00	6.11	2.82	7.67	5.94	3.06	7.04	5.53	3.32	6.49	5.20	3.66
		24°C	8.65	7.82	2.41	8.34	7.64	2.61	8.03	7.46	2.83	7.70	7.27	3.06	7.08	6.78	3.32	6.54	6.40	3.66
		27°C	8.76	8.76	2.42	8.46	8.46	2.62	8.17	8.17	2.83	7.88	7.88	3.08	7.27	7.27	3.34	6.77	6.77	3.69
		30°C	9.12	9.12	2.43	8.86	8.86	2.64	8.59	8.59	2.86	8.31	8.31	3.11	7.70	7.70	3.37	7.20	7.20	3.72
	19°C	24°C	9.50	6.10	2.45	9.16	5.94	2.65	8.82	5.79	2.87	8.47	5.63	3.12	7.77	5.25	3.38	7.18	4.94	3.72
		27°C	9.52	7.02	2.45	9.18	6.87	2.65	8.84	6.71	2.87	8.48	6.55	3.12	7.79	6.13	3.38	7.20	5.80	3.73
		30°C	9.57	8.66	2.45	9.23	8.47	2.66	8.90	8.29	2.88	8.56	8.08	3.12	7.88	7.56	3.39	7.31	7.14	3.74
		33°C	9.72	9.72	2.46	9.43	9.43	2.67	9.13	9.13	2.89	8.82	8.82	3.14	8.17	8.17	3.41	7.64	7.64	3.77
	22°C	27°C	10.44	5.97	2.50	10.07	5.83	2.70	9.70	5.68	2.93	9.31	5.53	3.18	8.56	5.16	3.45	7.92	4.86	3.80
		30°C	10.45	7.32	2.50	10.09	7.17	2.70	9.71	7.01	2.93	9.32	6.85	3.18	8.57	6.41	3.45	7.93	6.09	3.80
		33°C	10.47	8.58	2.50	10.11	8.42	2.71	9.74	8.25	2.93	9.35	8.07	3.18	8.61	7.57	3.45	7.98	7.19	3.80
		36°C	10.54	9.70	2.50	10.20	9.52	2.71	9.84	9.32	2.94	9.48	9.10	3.19	8.75	8.52	3.46	8.16	8.04	3.82
830 / 880	16°C	21°C	8.94	6.72	2.43	8.62	6.55	2.63	8.29	6.38	2.85	7.94	6.20	3.09	7.28	5.78	3.35	6.72	5.44	3.69
		24°C	8.99	8.17	2.43	8.66	7.98	2.63	8.34	7.78	2.85	8.00	7.58	3.09	7.35	7.07	3.35	6.79	6.67	3.69
		27°C	9.14	9.14	2.44	8.84	8.84	2.64	8.54	8.54	2.86	8.23	8.23	3.11	7.61	7.61	3.37	7.09	7.09	3.72
		30°C	9.59	9.59	2.46	9.31	9.31	2.67	9.03	9.03	2.89	8.73	8.73	3.14	8.08	8.08	3.41	7.55	7.55	3.77
	19°C	24°C	9.84	6.45	2.47	9.49	6.29	2.67	9.13	6.13	2.90	8.76	5.96	3.14	8.04	5.56	3.41	7.42	5.24	3.75
		27°C	9.87	7.46	2.47	9.52	7.29	2.68	9.16	7.12	2.90	8.79	6.95	3.15	8.07	6.50	3.41	7.46	6.15	3.76
		30°C	9.96	9.18	2.48	9.60	8.98	2.68	9.26	8.78	2.91	8.90	8.56	3.15	8.20	7.99	3.42	7.61	7.53	3.77
		33°C	10.17	10.17	2.49	9.87	9.87	2.70	9.57	9.57	2.93	9.25	9.25	3.18	8.57	8.57	3.45	8.02	8.02	3.81
	22°C	27°C	10.80	6.31	2.52	10.42	6.17	2.73	10.03	6.02	2.96	9.62	5.86	3.20	8.84	5.47	3.48	8.17	5.16	3.83
		30°C	10.83	7.78	2.52	10.44	7.63	2.73	10.05	7.46	2.96	9.64	7.29	3.21	8.86	6.83	3.48	8.19	6.48	3.83
		33°C	10.86	9.11	2.52	10.49	8.96	2.73	10.10	8.77	2.96	9.70	8.57	3.21	8.93	8.04	3.48	8.27	7.63	3.84
		36°C	10.96	10.29	2.53	10.62	10.10	2.74	10.25	9.88	2.97	9.88	9.64	3.23	9.13	8.99	3.50	8.52	8.46	3.86
900 / 940	16°C	21°C	8.94	6.78	2.45	8.63	6.62	2.64	8.31	6.46	2.86	7.99	6.28	3.11	7.34	5.86	3.38	6.78	5.52	3.76
		24°C	8.97	8.29	2.46	8.65	8.11	2.64	8.34	7.94	2.86	8.02	7.75	3.11	7.37	7.25	3.39	6.83	6.83	3.76
		27°C	9.12	9.12	2.46	8.84	8.84	2.65	8.56	8.56	2.87	8.27	8.27	3.12	7.66	7.66	3.41	7.16	7.16	3.79
		30°C	9.61	9.61	2.49	9.34	9.34	2.68	9.07	9.07	2.90	8.79	8.79	3.16	8.16	8.16	3.44	7.63	7.63	3.83
	19°C	24°C	9.84	6.50	2.50	9.50	6.35	2.69	9.16	6.20	2.91	8.81	6.04	3.16	8.10	5.64	3.44	7.49	5.33	3.82
		27°C	9.87	7.54	2.50	9.52	7.38	2.69	9.19	7.23	2.91	8.83	7.07	3.16	8.12	6.63	3.44	7.52	6.29	3.82
		30°C	9.92	9.37	2.50	9.59	9.17	2.69	9.26	8.97	2.91	8.93	8.76	3.16	8.24	8.19	3.45	7.68	7.68	3.83
		33°C	10.18	10.18	2.51	9.89	9.89	2.71	9.61	9.61	2.93	9.32	9.32	3.19	8.66	8.66	3.48	8.12	8.12	3.87
	22°C	27°C	10.82	6.38	2.54	10.44	6.23	2.74	10.08	6.09	2.96	9.70	5.94	3.21	8.93	5.55	3.50	8.27	5.25	3.88
		30°C	10.84	7.89	2.54	10.47	7.73	2.74	10.10	7.57	2.96	9.72	7.40	3.22	8.95	6.94	3.50	8.29	6.60	3.88
		33°C	10.86	9.29	2.55	10.49	9.13	2.74	10.12	8.97	2.97	9.75	8.79	3.22	8.98	8.26	3.50	8.35	7.85	3.89
		36°C	10.97	10.53	2.55	10.62	10.32	2.75	10.28	10.11	2.98	9.94	9.86	3.23	9.21	9.21	3.52	8.62	8.62	3.91

Model: FDYM30CXV1 - RY30DXV1 / FDYB30CXV1 - RY30DXV1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	5.582	5.582	6.437	6.437	6.722	6.722	9.858	9.858	11.569	11.569	12.424	12.424	13.279	13.279
17°C	5.577	5.577	6.349	6.349	6.606	6.606	9.503	9.503	11.259	11.259	12.081	12.081	12.902	12.902
19°C	5.573	5.573	6.261	6.261	6.491	6.491	9.148	9.148	10.950	10.950	11.737	11.737	12.524	12.524
21°C	5.569	5.569	6.173	6.173	6.375	6.375	8.792	8.792	10.641	10.641	11.394	11.394	12.147	12.147
23°C	5.429	5.429	6.051	6.051	6.259	6.259	8.672	8.672	10.332	10.332	11.051	11.051	11.770	11.770
25°C	5.289	5.289	5.930	5.930	6.143	6.143	8.551	8.551	10.023	10.023	10.708	10.708	11.392	11.392
27°C	5.149	5.149	5.808	5.808	6.027	6.027	8.431	8.431	9.714	9.714	10.364	10.364	11.015	11.015
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM30CXV1 - RY30DXY1 / FDYB30CXV1 - RY30DXY1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
710 / 740	16°C	21°C	8.29	6.18	2.37	8.00	6.02	2.57	7.70	5.86	2.78	7.39	5.69	3.02	6.79	5.30	3.27	6.27	4.98	3.61
		24°C	8.30	7.40	2.38	8.01	7.23	2.57	7.71	7.06	2.78	7.40	6.89	3.02	6.80	6.43	3.27	6.29	6.07	3.61
		27°C	8.37	8.37	2.38	8.09	8.09	2.57	7.81	7.81	2.79	7.51	7.51	3.02	6.93	6.93	3.28	6.45	6.45	3.62
		30°C	8.63	8.63	2.39	8.38	8.38	2.59	8.12	8.12	2.81	7.86	7.86	3.05	7.29	7.29	3.31	6.82	6.82	3.66
	19°C	24°C	9.15	5.77	2.41	8.83	5.63	2.61	8.50	5.48	2.83	8.17	5.32	3.07	7.50	4.96	3.33	6.94	4.67	3.67
		27°C	9.15	6.60	2.41	8.83	6.45	2.61	8.51	6.31	2.83	8.17	6.15	3.07	7.51	5.76	3.33	6.95	5.45	3.67
		30°C	9.17	8.15	2.41	8.85	7.98	2.61	8.54	7.80	2.83	8.21	7.61	3.07	7.56	7.12	3.33	7.02	6.74	3.68
		33°C	9.28	9.28	2.42	8.97	8.97	2.62	8.68	8.68	2.84	8.39	8.39	3.08	7.76	7.76	3.35	7.25	7.25	3.70
	22°C	27°C	10.06	5.65	2.46	9.71	5.51	2.66	9.36	5.37	2.88	8.99	5.23	3.13	8.27	4.87	3.39	7.66	4.59	3.74
		30°C	10.07	6.88	2.46	9.72	6.74	2.66	9.36	6.58	2.88	9.00	6.43	3.13	8.27	6.02	3.39	7.66	5.71	3.74
		33°C	10.07	8.04	2.46	9.72	7.89	2.66	9.37	7.73	2.89	9.00	7.57	3.13	8.28	7.11	3.40	7.68	6.75	3.74
		36°C	10.10	9.12	2.46	9.77	8.93	2.66	9.43	8.75	2.89	9.09	8.56	3.14	8.38	8.02	3.40	7.79	7.61	3.75
760 / 790	16°C	21°C	8.63	6.44	2.40	8.31	6.28	2.59	8.00	6.11	2.81	7.67	5.94	3.04	7.04	5.53	3.30	6.49	5.20	3.64
		24°C	8.65	7.82	2.40	8.34	7.64	2.59	8.03	7.46	2.81	7.70	7.27	3.05	7.08	6.78	3.30	6.54	6.40	3.64
		27°C	8.76	8.76	2.40	8.46	8.46	2.60	8.17	8.17	2.82	7.88	7.88	3.06	7.27	7.27	3.32	6.77	6.77	3.66
		30°C	9.12	9.12	2.42	8.86	8.86	2.62	8.59	8.59	2.84	8.31	8.31	3.09	7.70	7.70	3.35	7.20	7.20	3.70
	19°C	24°C	9.50	6.10	2.43	9.16	5.94	2.64	8.82	5.79	2.86	8.47	5.63	3.10	7.77	5.25	3.36	7.18	4.94	3.70
		27°C	9.52	7.02	2.44	9.18	6.87	2.64	8.84	6.71	2.86	8.48	6.55	3.10	7.79	6.13	3.36	7.20	5.80	3.70
		30°C	9.57	8.66	2.44	9.23	8.47	2.64	8.90	8.29	2.86	8.56	8.08	3.10	7.88	7.56	3.37	7.31	7.14	3.71
		33°C	9.72	9.72	2.45	9.43	9.43	2.65	9.13	9.13	2.88	8.82	8.82	3.12	8.17	8.17	3.39	7.64	7.64	3.75
	22°C	27°C	10.44	5.97	2.48	10.07	5.83	2.69	9.70	5.68	2.91	9.31	5.53	3.16	8.56	5.16	3.42	7.92	4.86	3.77
		30°C	10.45	7.32	2.48	10.09	7.17	2.69	9.71	7.01	2.91	9.32	6.85	3.16	8.57	6.41	3.43	7.93	6.09	3.77
		33°C	10.47	8.58	2.48	10.11	8.42	2.69	9.74	8.25	2.92	9.35	8.07	3.16	8.61	7.57	3.43	7.98	7.19	3.78
		36°C	10.54	9.70	2.49	10.20	9.52	2.69	9.84	9.32	2.92	9.48	9.10	3.17	8.75	8.52	3.44	8.16	8.04	3.80
830 / 880	16°C	21°C	8.94	6.72	2.42	8.62	6.55	2.61	8.29	6.38	2.83	7.94	6.20	3.07	7.28	5.78	3.33	6.72	5.44	3.66
		24°C	8.99	8.17	2.42	8.66	7.98	2.62	8.34	7.78	2.83	8.00	7.58	3.07	7.35	7.07	3.33	6.79	6.67	3.67
		27°C	9.14	9.14	2.43	8.84	8.84	2.62	8.54	8.54	2.84	8.23	8.23	3.09	7.61	7.61	3.35	7.09	7.09	3.70
		30°C	9.59	9.59	2.45	9.31	9.31	2.65	9.03	9.03	2.87	8.73	8.73	3.12	8.08	8.08	3.39	7.55	7.55	3.74
	19°C	24°C	9.84	6.45	2.46	9.49	6.29	2.66	9.13	6.13	2.88	8.76	5.96	3.12	8.04	5.56	3.39	7.42	5.24	3.73
		27°C	9.87	7.46	2.46	9.52	7.29	2.66	9.16	7.12	2.88	8.79	6.95	3.13	8.07	6.50	3.39	7.46	6.15	3.73
		30°C	9.96	9.18	2.46	9.60	8.98	2.67	9.26	8.78	2.89	8.90	8.56	3.13	8.20	7.99	3.40	7.61	7.53	3.75
		33°C	10.17	10.17	2.47	9.87	9.87	2.68	9.57	9.57	2.91	9.25	9.25	3.16	8.57	8.57	3.43	8.02	8.02	3.79
	22°C	27°C	10.80	6.31	2.50	10.42	6.17	2.71	10.03	6.02	2.94	9.62	5.86	3.18	8.84	5.47	3.45	8.17	5.16	3.80
		30°C	10.83	7.78	2.50	10.44	7.63	2.71	10.05	7.46	2.94	9.64	7.29	3.19	8.86	6.83	3.46	8.19	6.48	3.81
		33°C	10.86	9.11	2.51	10.49	8.96	2.71	10.10	8.77	2.94	9.70	8.57	3.19	8.93	8.04	3.46	8.27	7.63	3.81
		36°C	10.96	10.29	2.51	10.62	10.10	2.72	10.25	9.88	2.95	9.88	9.64	3.20	9.13	8.99	3.48	8.52	8.46	3.84
900 / 940	16°C	21°C	8.94	6.78	2.44	8.63	6.62	2.63	8.31	6.46	2.84	7.99	6.28	3.09	7.34	5.86	3.36	6.78	5.52	3.74
		24°C	8.97	8.29	2.44	8.65	8.11	2.63	8.34	7.94	2.84	8.02	7.75	3.09	7.37	7.25	3.37	6.83	6.83	3.74
		27°C	9.12	9.12	2.45	8.84	8.84	2.64	8.56	8.56	2.85	8.27	8.27	3.10	7.66	7.66	3.39	7.16	7.16	3.77
		30°C	9.61	9.61	2.47	9.34	9.34	2.66	9.07	9.07	2.88	8.79	8.79	3.14	8.16	8.16	3.42	7.63	7.63	3.80
	19°C	24°C	9.84	6.50	2.48	9.50	6.35	2.67	9.16	6.20	2.89	8.81	6.04	3.14	8.10	5.64	3.42	7.49	5.33	3.79
		27°C	9.87	7.54	2.48	9.52	7.38	2.67	9.19	7.23	2.89	8.83	7.07	3.14	8.12	6.63	3.42	7.52	6.29	3.79
		30°C	9.92	9.37	2.48	9.59	9.17	2.68	9.26	8.97	2.89	8.93	8.76	3.14	8.24	8.19	3.43	7.68	7.68	3.81
		33°C	10.18	10.18	2.50	9.89	9.89	2.69	9.61	9.61	2.92	9.32	9.32	3.17	8.66	8.66	3.46	8.12	8.12	3.84
	22°C	27°C	10.82	6.38	2.53	10.44	6.23	2.72	10.08	6.09	2.94	9.70	5.94	3.19	8.93	5.55	3.48	8.27	5.25	3.85
		30°C	10.84	7.89	2.53	10.47	7.73	2.72	10.10	7.57	2.94	9.72	7.40	3.20	8.95	6.94	3.48	8.29	6.60	3.86
		33°C	10.86	9.29	2.53	10.49	9.13	2.72	10.12	8.97	2.95	9.75	8.79	3.20	8.98	8.26	3.48	8.35	7.85	3.86
		36°C	10.97	10.53	2.53	10.62	10.32	2.73	10.28	10.11	2.96	9.94	9.86	3.21	9.21	9.21	3.50	8.62	8.62	3.88

Model: FDYM30CXV1 - RY30DXY1 / FDYB30CXV1 - RY30DXY1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	5.582	5.582	6.437	6.437	6.722	6.722	9.858	9.858	11.569	11.569	12.424	12.424	13.279	13.279
17°C	5.577	5.577	6.349	6.349	6.606	6.606	9.503	9.503	11.259	11.259	12.081	12.081	12.902	12.902
19°C	5.573	5.573	6.261	6.261	6.491	6.491	9.148	9.148	10.950	10.950	11.737	11.737	12.524	12.524
21°C	5.569	5.569	6.173	6.173	6.375	6.375	8.792	8.792	10.641	10.641	11.394	11.394	12.147	12.147
23°C	5.429	5.429	6.051	6.051	6.259	6.259	8.672	8.672	10.332	10.332	11.051	11.051	11.770	11.770
25°C	5.289	5.289	5.930	5.930	6.143	6.143	8.551	8.551	10.023	10.023	10.708	10.708	11.392	11.392
27°C	5.149	5.149	5.808	5.808	6.027	6.027	8.431	8.431	9.714	9.714	10.364	10.364	11.015	11.015
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM38CXV1 - RY35DXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
1350	16°C	21°C	9.68	7.21	2.71	9.33	7.03	2.94	8.99	6.84	3.18	8.63	6.64	3.45	7.92	6.18	3.74	7.31	5.81	4.12
		24°C	9.69	8.64	2.72	9.34	8.44	2.94	9.00	8.25	3.18	8.64	8.04	3.45	7.94	7.51	3.74	7.34	7.09	4.12
		27°C	9.77	9.77	2.72	9.44	9.44	2.94	9.11	9.11	3.19	8.77	8.77	3.46	8.09	8.09	3.75	7.53	7.53	4.14
		30°C	10.07	10.07	2.73	9.78	9.78	2.96	9.48	9.48	3.21	9.18	9.18	3.48	8.51	8.51	3.78	7.96	7.96	4.18
	19°C	24°C	10.67	6.74	2.76	10.30	6.57	2.98	9.92	6.39	3.23	9.53	6.21	3.51	8.76	5.78	3.81	8.10	5.45	4.19
		27°C	10.68	7.71	2.76	10.30	7.53	2.99	9.93	7.36	3.23	9.54	7.18	3.51	8.76	6.72	3.81	8.11	6.36	4.20
		30°C	10.70	9.51	2.76	10.33	9.31	2.99	9.96	9.10	3.24	9.58	8.88	3.51	8.82	8.31	3.81	8.19	7.86	4.20
		33°C	10.82	10.82	2.77	10.47	10.47	2.99	10.13	10.13	3.25	9.79	9.79	3.53	9.05	9.05	3.83	8.46	8.46	4.23
	22°C	27°C	11.74	6.59	2.81	11.34	6.43	3.04	10.92	6.27	3.30	10.50	6.10	3.58	9.65	5.68	3.88	8.93	5.36	4.27
		30°C	11.75	8.03	2.81	11.34	7.86	3.04	10.92	7.68	3.30	10.50	7.50	3.58	9.65	7.02	3.88	8.94	6.66	4.28
		33°C	11.75	9.38	2.81	11.35	9.20	3.04	10.93	9.02	3.30	10.51	8.84	3.58	9.67	8.29	3.88	8.96	7.88	4.28
		36°C	11.79	10.64	2.81	11.40	10.43	3.05	11.00	10.21	3.30	10.60	9.99	3.58	9.78	9.36	3.89	9.09	8.88	4.29
1420	16°C	21°C	10.06	7.52	2.74	9.70	7.33	2.96	9.33	7.13	3.21	8.95	6.93	3.48	8.21	6.45	3.77	7.58	6.07	4.16
		24°C	10.09	9.13	2.74	9.73	8.91	2.96	9.37	8.70	3.21	8.99	8.48	3.48	8.26	7.91	3.78	7.63	7.47	4.16
		27°C	10.22	10.22	2.75	9.87	9.87	2.97	9.53	9.53	3.22	9.19	9.19	3.49	8.48	8.48	3.79	7.90	7.90	4.19
		30°C	10.64	10.64	2.77	10.33	10.33	3.00	10.02	10.02	3.25	9.69	9.69	3.53	8.98	8.98	3.83	8.39	8.39	4.23
	19°C	24°C	11.09	7.11	2.78	10.69	6.93	3.01	10.29	6.75	3.26	9.88	6.57	3.54	9.07	6.12	3.84	8.38	5.77	4.23
		27°C	11.11	8.19	2.78	10.71	8.01	3.01	10.31	7.83	3.27	9.90	7.65	3.54	9.09	7.15	3.84	8.41	6.77	4.23
		30°C	11.16	10.11	2.79	10.77	9.89	3.02	10.39	9.67	3.27	9.99	9.43	3.55	9.20	8.82	3.85	8.53	8.33	4.24
		33°C	11.35	11.35	2.80	11.00	11.00	3.03	10.65	10.65	3.29	10.30	10.30	3.57	9.54	9.54	3.88	8.92	8.92	4.28
	22°C	27°C	12.18	6.96	2.83	11.75	6.80	3.07	11.32	6.63	3.33	10.87	6.45	3.61	9.99	6.02	3.91	9.24	5.68	4.31
		30°C	12.20	8.55	2.84	11.77	8.37	3.07	11.33	8.18	3.33	10.88	7.99	3.61	10.00	7.48	3.92	9.25	7.10	4.31
		33°C	12.22	10.01	2.84	11.79	9.82	3.07	11.36	9.62	3.33	10.91	9.42	3.61	10.04	8.83	3.92	9.31	8.39	4.32
		36°C	12.29	11.32	2.84	11.90	11.11	3.08	11.48	10.88	3.34	11.06	10.62	3.62	10.21	9.94	3.93	9.52	9.38	4.34
1470	16°C	21°C	10.44	7.84	2.76	10.05	7.64	2.99	9.67	7.44	3.23	9.27	7.23	3.50	8.50	6.74	3.80	7.83	6.34	4.19
		24°C	10.49	9.53	2.76	10.11	9.30	2.99	9.73	9.08	3.24	9.34	8.84	3.51	8.57	8.25	3.81	7.92	7.78	4.20
		27°C	10.66	10.66	2.77	10.31	10.31	3.00	9.96	9.96	3.25	9.60	9.60	3.53	8.88	8.88	3.83	8.27	8.27	4.23
		30°C	11.19	11.19	2.80	10.86	10.86	3.03	10.53	10.53	3.29	10.18	10.18	3.57	9.43	9.43	3.88	8.81	8.81	4.28
	19°C	24°C	11.49	7.52	2.81	11.07	7.34	3.04	10.65	7.15	3.29	10.22	6.96	3.57	9.38	6.48	3.87	8.66	6.12	4.26
		27°C	11.52	8.70	2.81	11.11	8.51	3.04	10.69	8.31	3.29	10.26	8.10	3.57	9.42	7.58	3.87	8.70	7.17	4.27
		30°C	11.61	10.71	2.81	11.20	10.48	3.05	10.80	10.24	3.30	10.39	9.98	3.58	9.56	9.32	3.89	8.88	8.79	4.28
		33°C	11.87	11.87	2.83	11.52	11.52	3.06	11.16	11.16	3.32	10.80	10.80	3.61	10.00	10.00	3.92	9.35	9.35	4.33
	22°C	27°C	12.60	7.36	2.86	12.16	7.20	3.10	11.70	7.02	3.36	11.23	6.83	3.64	10.31	6.38	3.95	9.53	6.02	4.35
		30°C	12.63	9.07	2.86	12.18	8.90	3.10	11.72	8.71	3.36	11.25	8.51	3.64	10.34	7.97	3.95	9.56	7.55	4.35
		33°C	12.67	10.63	2.86	12.23	10.45	3.10	11.78	10.23	3.36	11.32	10.00	3.65	10.42	9.38	3.96	9.65	8.90	4.36
		36°C	12.79	12.01	2.87	12.39	11.79	3.11	11.96	11.53	3.37	11.53	11.24	3.66	10.65	10.49	3.98	9.94	9.87	4.39
1540	16°C	21°C	10.43	7.91	2.79	10.06	7.72	3.00	9.70	7.53	3.25	9.32	7.33	3.53	8.56	6.83	3.84	7.90	6.44	4.27
		24°C	10.47	9.67	2.79	10.09	9.46	3.00	9.73	9.26	3.25	9.36	9.04	3.53	8.60	8.45	3.85	7.97	7.97	4.28
		27°C	10.64	10.64	2.80	10.31	10.31	3.01	9.98	9.98	3.26	9.65	9.65	3.55	8.94	8.94	3.87	8.35	8.35	4.30
		30°C	11.21	11.21	2.82	10.90	10.90	3.04	10.59	10.59	3.30	10.26	10.26	3.58	9.51	9.51	3.91	8.90	8.90	4.35
	19°C	24°C	11.48	7.59	2.83	11.08	7.41	3.05	10.69	7.23	3.30	10.27	7.04	3.58	9.45	6.58	3.90	8.74	6.22	4.34
		27°C	11.51	8.80	2.84	11.11	8.61	3.05	10.72	8.43	3.30	10.30	8.25	3.59	9.48	7.73	3.91	8.77	7.34	4.34
		30°C	11.57	10.93	2.84	11.18	10.70	3.06	10.81	10.47	3.31	10.42	10.22	3.59	9.62	9.55	3.92	8.96	8.96	4.35
		33°C	11.88	11.88	2.85	11.54	11.54	3.08	11.22	11.22	3.33	10.88	10.88	3.62	10.10	10.10	3.95	9.47	9.47	4.39
	22°C	27°C	12.62	7.44	2.89	12.18	7.27	3.11	11.76	7.10	3.36	11.31	6.92	3.65	10.41	6.47	3.97	9.65	6.12	4.41
		30°C	12.64	9.20	2.89	12.21	9.01	3.11	11.78	8.83	3.37	11.33	8.63	3.65	10.44	8.10	3.98	9.67	7.70	4.41
		33°C	12.67	10.84	2.89	12.24	10.65	3.11	11.80	10.46	3.37	11.37	10.25	3.66	10.48	9.64	3.98	9.74	9.15	4.41
		36°C	12.79	12.29	2.90	12.39	12.04	3.12	11.99	11.79	3.38	11.60	11.50	3.67	10.74	10.74	4.00	10.05	10.05	4.44

Model: FDYM38CXV1 - RY35DXV1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	4.741	4.741	5.949	5.949	6.352	6.352	10.782	10.782	13.198	13.198	14.406	14.406	15.614	15.614
17°C	4.618	4.618	5.827	5.827	6.230	6.230	10.537	10.537	12.838	12.838	14.004	14.004	15.170	15.170
19°C	4.496	4.496	5.706	5.706	6.109	6.109	10.293	10.293	12.478	12.478	13.602	13.602	14.726	14.726
21°C	4.373	4.373	5.584	5.584	5.987	5.987	10.049	10.049	12.118	12.118	13.200	13.200	14.282	14.282
23°C	4.368	4.368	5.491	5.491	5.866	5.866	9.740	9.740	11.758	11.758	12.798	12.798	13.838	13.838
25°C	4.363	4.363	5.399	5.399	5.744	5.744	9.431	9.431	11.398	11.398	12.396	12.396	13.394	13.394
27°C	4.358	4.358	5.306	5.306	5.623	5.623	9.122	9.122	11.038	11.038	11.994	11.994	12.949	12.949
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM38CXV1 - RY40DXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
1350	16°C	21°C	10.19	7.60	2.93	9.83	7.40	3.16	9.46	7.20	3.43	9.08	6.99	3.72	8.34	6.51	4.03	7.70	6.12	4.44
		24°C	10.20	9.10	2.93	9.84	8.89	3.16	9.48	8.68	3.43	9.10	8.47	3.72	8.36	7.91	4.03	7.73	7.46	4.45
		27°C	10.28	10.28	2.93	9.94	9.94	3.17	9.59	9.59	3.43	9.23	9.23	3.73	8.52	8.52	4.04	7.92	7.92	4.46
		30°C	10.60	10.60	2.94	10.29	10.29	3.19	9.98	9.98	3.46	9.66	9.66	3.75	8.96	8.96	4.08	8.38	8.38	4.51
	19°C	24°C	11.24	7.09	2.97	10.84	6.91	3.22	10.45	6.73	3.49	10.03	6.54	3.78	9.22	6.09	4.10	8.52	5.74	4.52
		27°C	11.25	8.11	2.97	10.85	7.93	3.22	10.45	7.75	3.49	10.04	7.56	3.78	9.23	7.07	4.10	8.53	6.70	4.52
		30°C	11.26	10.01	2.97	10.87	9.80	3.22	10.49	9.58	3.49	10.09	9.35	3.79	9.29	8.75	4.11	8.62	8.28	4.53
		33°C	11.40	11.40	2.98	11.03	11.03	3.23	10.67	10.67	3.50	10.30	10.30	3.80	9.53	9.53	4.13	8.91	8.91	4.56
	22°C	27°C	12.36	6.94	3.03	11.94	6.77	3.28	11.50	6.60	3.55	11.05	6.42	3.85	10.16	5.99	4.18	9.41	5.64	4.61
		30°C	12.37	8.46	3.03	11.94	8.28	3.28	11.50	8.09	3.55	11.05	7.90	3.86	10.17	7.39	4.18	9.41	7.01	4.61
		33°C	12.37	9.88	3.03	11.95	9.69	3.28	11.51	9.50	3.55	11.06	9.30	3.86	10.18	8.73	4.18	9.43	8.30	4.61
		36°C	12.41	11.20	3.03	12.00	10.98	3.28	11.59	10.75	3.56	11.17	10.51	3.86	10.30	9.86	4.19	9.57	9.35	4.62
1420	16°C	21°C	10.60	7.92	2.95	10.21	7.71	3.19	9.83	7.51	3.46	9.43	7.30	3.75	8.65	6.79	4.06	7.98	6.39	4.48
		24°C	10.63	9.61	2.95	10.25	9.38	3.19	9.86	9.16	3.46	9.46	8.93	3.75	8.70	8.33	4.07	8.04	7.86	4.49
		27°C	10.76	10.76	2.96	10.40	10.40	3.20	10.04	10.04	3.47	9.68	9.68	3.77	8.93	8.93	4.09	8.32	8.32	4.51
		30°C	11.21	11.21	2.98	10.88	10.88	3.23	10.55	10.55	3.50	10.21	10.21	3.80	9.46	9.46	4.13	8.84	8.84	4.56
	19°C	24°C	11.67	7.49	3.00	11.26	7.30	3.25	10.84	7.11	3.52	10.40	6.92	3.81	9.55	6.44	4.14	8.82	6.07	4.56
		27°C	11.69	8.63	3.00	11.28	8.44	3.25	10.86	8.25	3.52	10.42	8.05	3.82	9.57	7.53	4.14	8.85	7.12	4.56
		30°C	11.75	10.64	3.00	11.34	10.41	3.25	10.94	10.18	3.53	10.52	9.93	3.82	9.68	9.28	4.15	8.98	8.77	4.57
		33°C	11.95	11.95	3.01	11.58	11.58	3.27	11.21	11.21	3.54	10.84	10.84	3.85	10.04	10.04	4.18	9.39	9.39	4.61
	22°C	27°C	12.83	7.33	3.06	12.38	7.16	3.31	11.92	6.98	3.59	11.44	6.79	3.89	10.51	6.33	4.22	9.73	5.98	4.65
		30°C	12.84	9.00	3.06	12.39	8.81	3.31	11.93	8.62	3.59	11.46	8.41	3.89	10.53	7.88	4.22	9.74	7.48	4.65
		33°C	12.87	10.54	3.06	12.42	10.34	3.31	11.96	10.13	3.59	11.49	9.92	3.90	10.57	9.30	4.23	9.80	8.83	4.66
		36°C	12.95	11.92	3.06	12.53	11.69	3.32	12.09	11.45	3.60	11.65	11.18	3.91	10.75	10.47	4.24	10.02	9.87	4.68
1470	16°C	21°C	10.99	8.26	2.98	10.58	8.05	3.22	10.18	7.84	3.48	9.76	7.62	3.78	8.95	7.09	4.10	8.25	6.68	4.52
		24°C	11.05	10.04	2.98	10.64	9.80	3.22	10.24	9.56	3.49	9.83	9.31	3.78	9.03	8.68	4.10	8.34	8.19	4.52
		27°C	11.22	11.22	2.99	10.86	10.86	3.23	10.49	10.49	3.50	10.11	10.11	3.80	9.35	9.35	4.13	8.71	8.71	4.56
		30°C	11.78	11.78	3.01	11.44	11.44	3.27	11.09	11.09	3.54	10.72	10.72	3.85	9.93	9.93	4.18	9.27	9.27	4.61
	19°C	24°C	12.09	7.92	3.03	11.66	7.73	3.27	11.21	7.53	3.55	10.76	7.32	3.85	9.87	6.83	4.17	9.11	6.44	4.59
		27°C	12.13	9.17	3.03	11.69	8.96	3.28	11.25	8.75	3.55	10.80	8.53	3.85	9.92	7.98	4.18	9.16	7.55	4.60
		30°C	12.23	11.28	3.03	11.80	11.03	3.28	11.37	10.78	3.56	10.94	10.51	3.86	10.07	9.82	4.19	9.35	9.25	4.62
		33°C	12.49	12.49	3.05	12.13	12.13	3.30	11.76	11.76	3.58	11.37	11.37	3.89	10.53	10.53	4.23	9.85	9.85	4.67
	22°C	27°C	13.27	7.75	3.08	12.80	7.58	3.34	12.32	7.39	3.62	11.82	7.20	3.92	10.86	6.71	4.25	10.04	6.34	4.68
		30°C	13.30	9.55	3.08	12.82	9.37	3.34	12.34	9.17	3.62	11.85	8.96	3.93	10.88	8.39	4.26	10.07	7.95	4.69
		33°C	13.34	11.20	3.09	12.88	11.00	3.34	12.41	10.77	3.63	11.92	10.53	3.93	10.97	9.87	4.26	10.16	9.37	4.70
		36°C	13.46	12.64	3.09	13.04	12.41	3.35	12.59	12.14	3.64	12.14	11.84	3.95	11.21	11.04	4.29	10.46	10.40	4.73
1540	16°C	21°C	10.98	8.33	3.00	10.59	8.13	3.23	10.21	7.93	3.50	9.81	7.72	3.80	9.01	7.19	4.14	8.32	6.78	4.60
		24°C	11.02	10.18	3.01	10.63	9.97	3.24	10.25	9.75	3.50	9.85	9.52	3.80	9.06	8.90	4.15	8.39	8.39	4.61
		27°C	11.20	11.20	3.01	10.86	10.86	3.25	10.51	10.51	3.52	10.16	10.16	3.82	9.41	9.41	4.17	8.79	8.79	4.64
		30°C	11.81	11.81	3.04	11.48	11.48	3.28	11.15	11.15	3.55	10.80	10.80	3.86	10.02	10.02	4.21	9.38	9.38	4.69
	19°C	24°C	12.09	7.99	3.06	11.67	7.80	3.29	11.25	7.61	3.56	10.82	7.42	3.86	9.95	6.93	4.21	9.21	6.55	4.67
		27°C	12.12	9.26	3.06	11.70	9.07	3.29	11.28	8.88	3.56	10.85	8.68	3.87	9.98	8.14	4.21	9.23	7.73	4.68
		30°C	12.18	11.51	3.06	11.77	11.26	3.30	11.38	11.02	3.57	10.97	10.76	3.87	10.12	10.06	4.22	9.43	9.43	4.69
		33°C	12.51	12.51	3.08	12.15	12.15	3.32	11.81	11.81	3.59	11.45	11.45	3.91	10.64	10.64	4.26	9.97	9.97	4.73
	22°C	27°C	13.28	7.83	3.11	12.83	7.65	3.35	12.38	7.48	3.63	11.91	7.29	3.94	10.96	6.81	4.28	10.16	6.45	4.75
		30°C	13.31	9.69	3.11	12.86	9.49	3.36	12.40	9.29	3.63	11.93	9.09	3.94	10.99	8.53	4.29	10.19	8.11	4.75
		33°C	13.34	11.41	3.12	12.89	11.21	3.36	12.43	11.01	3.63	11.97	10.79	3.94	11.03	10.15	4.29	10.25	9.64	4.76
		36°C	13.47	12.94	3.12	13.04	12.68	3.37	12.62	12.41	3.64	12.21	12.11	3.96	11.31	11.31	4.31	10.58	10.58	4.79

Model: FDYM38CXV1 - RY40DXV1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	6.363	6.363	7.519	7.519	7.904	7.904	12.142	12.142	14.454	14.454	15.610	15.610	16.766	16.766
17°C	6.313	6.313	7.401	7.401	7.763	7.763	11.856	11.856	14.065	14.065	15.177	15.177	16.289	16.289
19°C	6.263	6.263	7.283	7.283	7.622	7.622	11.570	11.570	13.676	13.676	14.745	14.745	15.813	15.813
21°C	6.213	6.213	7.165	7.165	7.482	7.482	11.284	11.284	13.287	13.287	14.312	14.312	15.336	15.336
23°C	6.097	6.097	7.030	7.030	7.341	7.341	10.966	10.966	12.898	12.898	13.879	13.879	14.860	14.860
25°C	5.980	5.980	6.895	6.895	7.200	7.200	10.649	10.649	12.509	12.509	13.446	13.446	14.383	14.383
27°C	5.864	5.864	6.761	6.761	7.060	7.060	10.332	10.332	12.120	12.120	13.013	13.013	13.907	13.907
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM38CXV1 - RY40DXY1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
1350	16°C	21°C	10.47	7.81	2.85	10.10	7.60	3.08	9.73	7.40	3.34	9.34	7.19	3.62	8.57	6.69	3.93	7.91	6.29	4.33
		24°C	10.49	9.35	2.85	10.11	9.14	3.08	9.74	8.92	3.34	9.35	8.70	3.62	8.59	8.13	3.93	7.94	7.67	4.33
		27°C	10.57	10.57	2.85	10.22	10.22	3.09	9.86	9.86	3.35	9.49	9.49	3.63	8.75	8.75	3.94	8.14	8.14	4.35
		30°C	10.89	10.89	2.87	10.58	10.58	3.11	10.26	10.26	3.37	9.93	9.93	3.66	9.20	9.20	3.97	8.61	8.61	4.39
	19°C	24°C	11.55	7.29	2.89	11.14	7.10	3.13	10.74	6.92	3.40	10.31	6.72	3.68	9.48	6.26	3.99	8.76	5.89	4.40
		27°C	11.56	8.34	2.90	11.15	8.15	3.13	10.74	7.97	3.40	10.32	7.77	3.68	9.49	7.27	4.00	8.77	6.89	4.40
		30°C	11.58	10.29	2.90	11.18	10.07	3.14	10.78	9.85	3.40	10.37	9.61	3.69	9.55	8.99	4.00	8.86	8.51	4.41
		33°C	11.71	11.71	2.90	11.33	11.33	3.14	10.96	10.96	3.41	10.59	10.59	3.70	9.80	9.80	4.02	9.16	9.16	4.44
	22°C	27°C	12.71	7.13	2.95	12.27	6.96	3.19	11.82	6.79	3.46	11.36	6.60	3.75	10.44	6.15	4.07	9.67	5.80	4.49
		30°C	12.71	8.70	2.95	12.27	8.51	3.19	11.82	8.32	3.46	11.36	8.12	3.76	10.45	7.60	4.07	9.67	7.21	4.49
		33°C	12.72	10.15	2.95	12.28	9.96	3.19	11.83	9.76	3.46	11.37	9.56	3.76	10.46	8.98	4.07	9.70	8.53	4.49
		36°C	12.76	11.52	2.95	12.34	11.28	3.20	11.91	11.05	3.47	11.48	10.81	3.76	10.58	10.13	4.08	9.84	9.61	4.50
1420	16°C	21°C	10.89	8.14	2.87	10.50	7.93	3.11	10.10	7.72	3.37	9.69	7.50	3.65	8.89	6.98	3.96	8.20	6.57	4.36
		24°C	10.92	9.88	2.88	10.53	9.65	3.11	10.14	9.41	3.37	9.73	9.18	3.65	8.94	8.56	3.96	8.26	8.08	4.37
		27°C	11.06	11.06	2.88	10.68	10.68	3.12	10.32	10.32	3.38	9.95	9.95	3.67	9.18	9.18	3.98	8.55	8.55	4.39
		30°C	11.52	11.52	2.90	11.18	11.18	3.14	10.84	10.84	3.41	10.49	10.49	3.70	9.72	9.72	4.02	9.08	9.08	4.44
	19°C	24°C	12.00	7.70	2.92	11.57	7.50	3.16	11.14	7.31	3.43	10.69	7.11	3.72	9.82	6.62	4.03	9.07	6.24	4.44
		27°C	12.02	8.87	2.92	11.59	8.67	3.16	11.16	8.47	3.43	10.71	8.27	3.72	9.84	7.73	4.03	9.10	7.32	4.44
		30°C	12.08	10.94	2.93	11.66	10.70	3.17	11.24	10.46	3.43	10.81	10.21	3.72	9.95	9.54	4.04	9.23	9.02	4.45
		33°C	12.28	12.28	2.94	11.90	11.90	3.18	11.52	11.52	3.45	11.14	11.14	3.75	10.32	10.32	4.07	9.65	9.65	4.49
	22°C	27°C	13.18	7.54	2.98	12.72	7.36	3.22	12.25	7.17	3.49	11.76	6.98	3.79	10.81	6.51	4.11	10.00	6.14	4.53
		30°C	13.20	9.25	2.98	12.73	9.06	3.22	12.26	8.85	3.50	11.77	8.65	3.79	10.82	8.10	4.11	10.01	7.69	4.53
		33°C	13.22	10.84	2.98	12.76	10.63	3.23	12.30	10.41	3.50	11.81	10.19	3.79	10.87	9.56	4.12	10.07	9.08	4.53
		36°C	13.30	12.25	2.98	12.88	12.02	3.23	12.43	11.77	3.51	11.97	11.49	3.81	11.05	10.76	4.13	10.30	10.15	4.56
1470	16°C	21°C	11.29	8.49	2.90	10.88	8.27	3.13	10.46	8.05	3.39	10.03	7.83	3.68	9.20	7.29	3.99	8.48	6.86	4.40
		24°C	11.35	10.31	2.90	10.94	10.07	3.14	10.53	9.82	3.40	10.10	9.57	3.69	9.28	8.93	4.00	8.57	8.42	4.41
		27°C	11.53	11.53	2.91	11.16	11.16	3.15	10.78	10.78	3.41	10.39	10.39	3.70	9.60	9.60	4.02	8.95	8.95	4.44
		30°C	12.11	12.11	2.94	11.76	11.76	3.18	11.40	11.40	3.45	11.02	11.02	3.75	10.20	10.20	4.07	9.53	9.53	4.49
	19°C	24°C	12.43	8.14	2.95	11.98	7.94	3.19	11.52	7.74	3.46	11.06	7.53	3.75	10.15	7.02	4.06	9.37	6.62	4.48
		27°C	12.47	9.42	2.95	12.02	9.20	3.19	11.57	8.99	3.46	11.10	8.77	3.75	10.19	8.20	4.07	9.42	7.76	4.48
		30°C	12.57	11.59	2.95	12.12	11.34	3.20	11.69	11.08	3.47	11.24	10.80	3.76	10.35	10.09	4.08	9.61	9.51	4.50
		33°C	12.84	12.84	2.97	12.47	12.47	3.22	12.08	12.08	3.49	11.68	11.68	3.79	10.82	10.82	4.12	10.12	10.12	4.55
	22°C	27°C	13.64	7.96	3.00	13.15	7.79	3.25	12.66	7.59	3.52	12.15	7.40	3.82	11.16	6.90	4.14	10.31	6.52	4.56
		30°C	13.67	9.82	3.00	13.18	9.63	3.25	12.68	9.42	3.53	12.18	9.21	3.82	11.19	8.62	4.15	10.35	8.18	4.57
		33°C	13.71	11.51	3.01	13.24	11.31	3.26	12.75	11.07	3.53	12.25	10.82	3.83	11.27	10.15	4.15	10.44	9.63	4.58
		36°C	13.84	12.99	3.01	13.40	12.76	3.27	12.94	12.48	3.54	12.47	12.17	3.85	11.53	11.35	4.17	10.75	10.68	4.61
1540	16°C	21°C	11.29	8.56	2.93	10.89	8.35	3.15	10.49	8.15	3.41	10.08	7.93	3.70	9.26	7.39	4.04	8.55	6.97	4.48
		24°C	11.33	10.47	2.93	10.92	10.24	3.15	10.53	10.02	3.41	10.12	9.78	3.71	9.31	9.15	4.04	8.62	8.62	4.49
		27°C	11.51	11.51	2.94	11.16	11.16	3.16	10.80	10.80	3.42	10.44	10.44	3.72	9.68	9.68	4.06	9.04	9.04	4.52
		30°C	12.13	12.13	2.96	11.79	11.79	3.20	11.46	11.46	3.46	11.10	11.10	3.76	10.30	10.30	4.10	9.64	9.64	4.56
	19°C	24°C	12.42	8.21	2.98	11.99	8.01	3.20	11.56	7.82	3.47	11.12	7.62	3.76	10.23	7.12	4.10	9.46	6.73	4.55
		27°C	12.46	9.52	2.98	12.02	9.32	3.21	11.60	9.13	3.47	11.15	8.92	3.77	10.26	8.37	4.10	9.49	7.94	4.55
		30°C	12.52	11.83	2.98	12.10	11.58	3.21	11.69	11.33	3.47	11.27	11.06	3.77	10.41	10.34	4.11	9.70	9.70	4.57
		33°C	12.85	12.85	3.00	12.48	12.48	3.23	12.14	12.14	3.50	11.77	11.77	3.80	10.93	10.93	4.15	10.25	10.25	4.61
	22°C	27°C	13.65	8.05	3.03	13.18	7.86	3.27	12.72	7.68	3.53	12.24	7.49	3.83	11.27	7.00	4.17	10.45	6.63	4.63
		30°C	13.68	9.96	3.03	13.21	9.75	3.27	12.75	9.55	3.53	12.27	9.34	3.84	11.29	8.77	4.17	10.47	8.34	4.63
		33°C	13.72	11.73	3.04	13.24	11.52	3.27	12.78	11.32	3.54	12.30	11.09	3.84	11.34	10.43	4.18	10.54	9.91	4.63
		36°C	13.84	13.30	3.04	13.40	13.03	3.28	12.97	12.76	3.55	12.55	12.45	3.85	11.63	11.63	4.20	10.88	10.88	4.66

Model: FDYM38CXV1 - RY40DXY1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	6.363	6.363	7.519	7.519	7.904	7.904	12.142	12.142	14.454	14.454	15.610	15.610	16.766	16.766
17°C	6.313	6.313	7.401	7.401	7.763	7.763	11.856	11.856	14.065	14.065	15.177	15.177	16.289	16.289
19°C	6.263	6.263	7.283	7.283	7.622	7.622	11.570	11.570	13.676	13.676	14.745	14.745	15.813	15.813
21°C	6.213	6.213	7.165	7.165	7.482	7.482	11.284	11.284	13.287	13.287	14.312	14.312	15.336	15.336
23°C	6.097	6.097	7.030	7.030	7.341	7.341	10.966	10.966	12.898	12.898	13.879	13.879	14.860	14.860
25°C	5.980	5.980	6.895	6.895	7.200	7.200	10.649	10.649	12.509	12.509	13.446	13.446	14.383	14.383
27°C	5.864	5.864	6.761	6.761	7.060	7.060	10.332	10.332	12.120	12.120	13.013	13.013	13.907	13.907
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM40CXV1 - RY35DXV1 / FDYB40CXV1 - RY35DXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
900 / 970	16°C	21°C	9.26	6.55	2.48	8.93	6.38	2.68	8.60	6.21	2.91	8.26	6.03	3.15	7.58	5.61	3.42	7.00	5.28	3.77
		24°C	9.27	7.85	2.48	8.94	7.67	2.68	8.61	7.49	2.91	8.27	7.30	3.15	7.60	6.82	3.42	7.03	6.44	3.77
		27°C	9.35	8.90	2.49	9.03	8.70	2.69	8.72	8.49	2.91	8.39	8.27	3.16	7.74	7.70	3.43	7.20	7.20	3.78
		30°C	9.63	9.63	2.50	9.36	9.36	2.70	9.07	9.07	2.93	8.78	8.78	3.18	8.14	8.14	3.46	7.61	7.61	3.82
	19°C	24°C	10.21	6.12	2.52	9.86	5.96	2.73	9.49	5.80	2.96	9.12	5.64	3.21	8.38	5.25	3.48	7.75	4.95	3.83
		27°C	10.22	7.00	2.52	9.86	6.84	2.73	9.50	6.69	2.96	9.13	6.52	3.21	8.39	6.10	3.48	7.76	5.78	3.83
		30°C	10.24	8.64	2.52	9.88	8.45	2.73	9.53	8.27	2.96	9.17	8.07	3.21	8.45	7.55	3.48	7.83	7.14	3.84
		33°C	10.36	10.36	2.53	10.02	10.02	2.74	9.70	9.70	2.97	9.37	9.37	3.22	8.66	8.66	3.50	8.10	8.10	3.86
	22°C	27°C	11.24	5.99	2.57	10.85	5.84	2.78	10.45	5.70	3.01	10.04	5.54	3.27	9.24	5.16	3.55	8.55	4.87	3.91
		30°C	11.24	7.30	2.57	10.85	7.14	2.78	10.45	6.98	3.01	10.05	6.81	3.27	9.24	6.38	3.55	8.55	6.05	3.91
		33°C	11.25	8.52	2.57	10.86	8.36	2.78	10.46	8.20	3.01	10.05	8.03	3.27	9.25	7.53	3.55	8.57	7.16	3.91
		36°C	11.28	9.67	2.57	10.91	9.47	2.78	10.53	9.28	3.02	10.15	9.07	3.28	9.36	8.50	3.56	8.70	8.07	3.92
990 / 1000	16°C	21°C	9.63	6.83	2.50	9.29	6.66	2.71	8.93	6.48	2.93	8.57	6.30	3.18	7.86	5.86	3.45	7.25	5.52	3.80
		24°C	9.66	8.29	2.50	9.31	8.10	2.71	8.97	7.90	2.93	8.60	7.71	3.18	7.90	7.19	3.45	7.31	6.79	3.80
		27°C	9.78	9.42	2.51	9.45	9.20	2.72	9.12	8.96	2.94	8.80	8.70	3.19	8.12	8.08	3.47	7.57	7.56	3.83
		30°C	10.19	10.19	2.53	9.89	9.89	2.74	9.59	9.59	2.97	9.28	9.28	3.22	8.60	8.60	3.50	8.04	8.04	3.87
	19°C	24°C	10.61	6.46	2.54	10.23	6.30	2.75	9.85	6.14	2.98	9.45	5.97	3.23	8.68	5.56	3.51	8.02	5.24	3.87
		27°C	10.63	7.44	2.54	10.25	7.28	2.75	9.87	7.12	2.98	9.47	6.95	3.24	8.70	6.49	3.51	8.05	6.15	3.87
		30°C	10.68	9.18	2.55	10.31	8.99	2.76	9.94	8.78	2.99	9.56	8.57	3.24	8.80	8.01	3.52	8.17	7.57	3.88
		33°C	10.86	10.86	2.56	10.53	10.53	2.77	10.19	10.19	3.00	9.85	9.85	3.26	9.13	9.13	3.54	8.53	8.53	3.91
	22°C	27°C	11.66	6.33	2.59	11.25	6.18	2.81	10.83	6.02	3.04	10.40	5.86	3.30	9.56	5.47	3.58	8.84	5.16	3.94
		30°C	11.67	7.77	2.59	11.26	7.60	2.81	10.84	7.43	3.04	10.41	7.26	3.30	9.57	6.80	3.58	8.85	6.45	3.94
		33°C	11.70	9.10	2.59	11.29	8.93	2.81	10.87	8.74	3.05	10.45	8.56	3.30	9.61	8.03	3.58	8.91	7.62	3.95
		36°C	11.77	10.29	2.60	11.39	10.09	2.82	10.99	9.88	3.05	10.59	9.65	3.31	9.77	9.03	3.60	9.11	8.52	3.97
1060	16°C	21°C	9.99	7.13	2.52	9.62	6.95	2.73	9.25	6.76	2.96	8.87	6.57	3.20	8.13	6.12	3.47	7.50	5.76	3.83
		24°C	10.04	8.66	2.53	9.68	8.46	2.73	9.31	8.25	2.96	8.94	8.03	3.21	8.21	7.50	3.48	7.58	7.07	3.84
		27°C	10.20	9.93	2.53	9.87	9.67	2.74	9.54	9.40	2.97	9.19	9.11	3.23	8.50	8.44	3.50	7.92	7.88	3.86
		30°C	10.71	10.71	2.56	10.40	10.40	2.77	10.08	10.08	3.00	9.75	9.75	3.26	9.03	9.03	3.54	8.43	8.43	3.91
	19°C	24°C	10.99	6.84	2.57	10.60	6.67	2.78	10.19	6.50	3.01	9.78	6.32	3.26	8.97	5.89	3.54	8.29	5.56	3.90
		27°C	11.03	7.91	2.57	10.63	7.73	2.78	10.23	7.55	3.01	9.82	7.36	3.27	9.01	6.89	3.54	8.33	6.52	3.90
		30°C	11.12	9.73	2.57	10.72	9.52	2.78	10.34	9.30	3.02	9.94	9.07	3.27	9.16	8.47	3.55	8.50	7.99	3.92
		33°C	11.36	11.36	2.58	11.03	11.03	2.80	10.69	10.69	3.04	10.33	10.33	3.30	9.57	9.57	3.59	8.95	8.95	3.96
	22°C	27°C	12.06	6.69	2.61	11.63	6.54	2.83	11.20	6.38	3.07	10.75	6.21	3.33	9.87	5.79	3.61	9.12	5.47	3.97
		30°C	12.09	8.25	2.61	11.66	8.09	2.83	11.22	7.91	3.07	10.77	7.73	3.33	9.89	7.24	3.61	9.15	6.86	3.98
		33°C	12.13	9.66	2.62	11.71	9.49	2.84	11.28	9.29	3.07	10.84	9.09	3.33	9.97	8.52	3.62	9.24	8.09	3.98
		36°C	12.24	10.91	2.62	11.86	10.71	2.84	11.45	10.48	3.08	11.03	10.22	3.35	10.19	9.53	3.63	9.51	8.97	4.01
1100 / 1190	16°C	21°C	9.98	7.19	2.55	9.63	7.01	2.74	9.28	6.84	2.97	8.92	6.66	3.22	8.19	6.21	3.51	7.57	5.85	3.90
		24°C	10.02	8.79	2.55	9.66	8.60	2.74	9.31	8.41	2.97	8.96	8.21	3.23	8.23	7.68	3.52	7.63	7.25	3.91
		27°C	10.18	10.08	2.56	9.87	9.83	2.75	9.56	9.56	2.98	9.24	9.24	3.24	8.56	8.56	3.54	7.99	7.99	3.93
		30°C	10.73	10.73	2.58	10.43	10.43	2.78	10.13	10.13	3.01	9.82	9.82	3.28	9.11	9.11	3.57	8.52	8.52	3.97
	19°C	24°C	10.99	6.89	2.59	10.61	6.73	2.79	10.23	6.57	3.02	9.83	6.40	3.28	9.04	5.98	3.57	8.37	5.65	3.96
		27°C	11.02	7.99	2.59	10.64	7.83	2.79	10.26	7.66	3.02	9.86	7.49	3.28	9.07	7.02	3.57	8.39	6.67	3.96
		30°C	11.07	9.93	2.59	10.70	9.72	2.79	10.34	9.51	3.02	9.97	9.29	3.28	9.20	8.68	3.58	8.58	8.18	3.98
		33°C	11.37	11.37	2.61	11.04	11.04	2.81	10.73	10.73	3.05	10.41	10.41	3.31	9.67	9.67	3.61	9.06	9.06	4.01
	22°C	27°C	12.08	6.76	2.64	11.66	6.60	2.84	11.25	6.45	3.08	10.83	6.29	3.34	9.97	5.88	3.63	9.24	5.56	4.03
		30°C	12.10	8.36	2.64	11.69	8.19	2.85	11.27	8.02	3.08	10.85	7.85	3.34	9.99	7.36	3.63	9.26	7.00	4.03
		33°C	12.13	9.85	2.64	11.71	9.68	2.85	11.30	9.50	3.08	10.88	9.32	3.34	10.03	8.76	3.64	9.32	8.32	4.03
		36°C	12.24	11.16	2.65	11.86	10.94	2.85	11.47	10.71	3.09	11.10	10.45	3.36	10.28	9.77	3.65	9.62	9.22	4.06

Model: FDYM40CXV1 - RY35DXV1 / FDYB40CXV1 - RY35DXV1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	4.651	4.651	5.850	5.850	6.249	6.249	10.644	10.644	13.041	13.041	14.239	14.239	15.438	15.438
17°C	4.527	4.527	5.729	5.729	6.129	6.129	10.445	10.445	12.685	12.685	13.842	13.842	14.999	14.999
19°C	4.404	4.404	5.608	5.608	6.009	6.009	10.247	10.247	12.329	12.329	13.445	13.445	14.560	14.560
21°C	4.280	4.280	5.487	5.487	5.890	5.890	10.049	10.049	11.974	11.974	13.047	13.047	14.121	14.121
23°C	4.278	4.278	5.397	5.397	5.770	5.770	9.698	9.698	11.618	11.618	12.650	12.650	13.682	13.682
25°C	4.276	4.276	5.306	5.306	5.650	5.650	9.347	9.347	11.262	11.262	12.252	12.252	13.243	13.243
27°C	4.274	4.274	5.216	5.216	5.530	5.530	8.997	8.997	10.906	10.906	11.855	11.855	12.804	12.804
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM40CXV1 - RY40DXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
900	16°C	21°C	10.37	6.75	2.89	10.01	6.57	3.12	9.64	6.39	3.38	9.25	6.21	3.67	8.49	5.78	3.98	7.84	5.44	4.39
		24°C	10.39	8.08	2.89	10.02	7.89	3.12	9.65	7.71	3.38	9.26	7.52	3.67	8.51	7.02	3.98	7.87	6.62	4.39
		27°C	10.47	9.16	2.89	10.12	8.95	3.13	9.77	8.74	3.39	9.40	8.52	3.68	8.67	7.92	3.99	8.07	7.44	4.40
		30°C	10.79	10.79	2.91	10.48	10.48	3.15	10.17	10.17	3.41	9.84	9.84	3.71	9.12	9.12	4.03	8.53	8.53	4.45
	19°C	24°C	11.44	6.30	2.93	11.04	6.14	3.18	10.64	5.97	3.44	10.22	5.81	3.73	9.39	5.41	4.05	8.68	5.09	4.46
		27°C	11.45	7.21	2.93	11.05	7.04	3.18	10.64	6.88	3.44	10.22	6.72	3.73	9.40	6.28	4.05	8.69	5.95	4.46
		30°C	11.47	8.89	2.93	11.07	8.70	3.18	10.68	8.51	3.44	10.28	8.30	3.74	9.46	7.77	4.05	8.78	7.35	4.47
		33°C	11.60	11.60	2.94	11.23	11.23	3.19	10.86	10.86	3.45	10.49	10.49	3.75	9.71	9.71	4.07	9.08	9.08	4.50
	22°C	27°C	12.59	6.16	2.99	12.15	6.01	3.24	11.71	5.86	3.51	11.25	5.70	3.80	10.35	5.31	4.13	9.58	5.01	4.55
		30°C	12.59	7.51	2.99	12.16	7.35	3.24	11.71	7.18	3.51	11.26	7.01	3.80	10.35	6.57	4.13	9.58	6.23	4.55
		33°C	12.60	8.77	2.99	12.16	8.61	3.24	11.72	8.44	3.51	11.26	8.26	3.81	10.36	7.75	4.13	9.61	7.37	4.55
		36°C	12.64	9.95	2.99	12.22	9.75	3.24	11.80	9.55	3.51	11.37	9.34	3.81	10.49	8.75	4.14	9.75	8.30	4.56
990	16°C	21°C	10.79	7.03	2.91	10.40	6.85	3.15	10.01	6.67	3.41	9.60	6.48	3.70	8.81	6.03	4.01	8.13	5.68	4.42
		24°C	10.83	8.54	2.91	10.44	8.34	3.15	10.05	8.14	3.41	9.64	7.93	3.70	8.86	7.40	4.02	8.19	6.98	4.43
		27°C	10.96	9.69	2.92	10.59	9.47	3.16	10.22	9.23	3.43	9.85	8.95	3.72	9.10	8.31	4.03	8.48	7.78	4.45
		30°C	11.41	11.41	2.94	11.08	11.08	3.19	10.74	10.74	3.46	10.39	10.39	3.75	9.63	9.63	4.08	9.00	9.00	4.50
	19°C	24°C	11.89	6.65	2.96	11.47	6.49	3.20	11.04	6.32	3.47	10.59	6.14	3.77	9.73	5.72	4.08	8.99	5.40	4.50
		27°C	11.91	7.66	2.96	11.49	7.49	3.21	11.06	7.32	3.47	10.61	7.15	3.77	9.75	6.68	4.09	9.01	6.33	4.50
		30°C	11.97	9.45	2.97	11.55	9.25	3.21	11.14	9.04	3.48	10.71	8.82	3.77	9.86	8.25	4.09	9.15	7.79	4.51
		33°C	12.17	12.17	2.98	11.80	11.80	3.22	11.42	11.42	3.50	11.04	11.04	3.80	10.23	10.23	4.13	9.56	9.56	4.55
	22°C	27°C	13.06	6.51	3.02	12.60	6.36	3.27	12.14	6.20	3.54	11.65	6.03	3.84	10.71	5.63	4.16	9.90	5.31	4.59
		30°C	13.08	7.99	3.02	12.62	7.83	3.27	12.15	7.65	3.54	11.67	7.47	3.84	10.72	7.00	4.17	9.92	6.64	4.59
		33°C	13.10	9.37	3.02	12.65	9.19	3.27	12.18	9.00	3.54	11.70	8.81	3.85	10.77	8.26	4.17	9.98	7.84	4.60
		36°C	13.18	10.59	3.02	12.76	10.39	3.28	12.31	10.17	3.55	11.87	9.93	3.86	10.95	9.30	4.18	10.21	8.77	4.62
1060	16°C	21°C	11.19	7.34	2.94	10.78	7.15	3.18	10.37	6.96	3.44	9.94	6.77	3.73	9.11	6.30	4.04	8.40	5.93	4.46
		24°C	11.25	8.91	2.94	10.84	8.70	3.18	10.43	8.49	3.44	10.01	8.27	3.73	9.19	7.71	4.05	8.49	7.27	4.46
		27°C	11.43	10.22	2.95	11.06	9.95	3.19	10.68	9.67	3.46	10.30	9.37	3.75	9.52	8.68	4.08	8.87	8.11	4.50
		30°C	12.00	12.00	2.97	11.65	11.65	3.22	11.29	11.29	3.50	10.92	10.92	3.80	10.11	10.11	4.12	9.44	9.44	4.55
	19°C	24°C	12.32	7.04	2.99	11.87	6.86	3.23	11.42	6.69	3.50	10.96	6.51	3.80	10.05	6.07	4.12	9.28	5.72	4.54
		27°C	12.35	8.14	2.99	11.91	7.96	3.23	11.46	7.77	3.50	11.00	7.58	3.80	10.10	7.09	4.12	9.33	6.71	4.54
		30°C	12.46	10.02	2.99	12.02	9.80	3.24	11.58	9.58	3.51	11.14	9.34	3.81	10.26	8.72	4.13	9.52	8.22	4.56
		33°C	12.73	12.73	3.01	12.35	12.35	3.26	11.97	11.97	3.54	11.58	11.58	3.84	10.73	10.73	4.17	10.03	10.03	4.61
	22°C	27°C	13.52	6.88	3.04	13.04	6.73	3.30	12.55	6.56	3.57	12.04	6.39	3.87	11.06	5.96	4.20	10.22	5.63	4.62
		30°C	13.54	8.49	3.04	13.06	8.33	3.30	12.57	8.14	3.57	12.07	7.96	3.87	11.09	7.45	4.20	10.25	7.07	4.63
		33°C	13.59	9.95	3.05	13.12	9.77	3.30	12.64	9.57	3.58	12.14	9.36	3.88	11.17	8.77	4.21	10.35	8.32	4.64
		36°C	13.71	11.23	3.05	13.28	11.03	3.31	12.82	10.78	3.59	12.36	10.52	3.90	11.42	9.81	4.23	10.65	9.23	4.67
1100	16°C	21°C	11.19	7.40	2.97	10.79	7.22	3.19	10.40	7.04	3.45	9.99	6.86	3.75	9.18	6.39	4.09	8.48	6.02	4.54
		24°C	11.22	9.05	2.97	10.82	8.85	3.19	10.44	8.66	3.46	10.03	8.45	3.75	9.22	7.91	4.09	8.54	7.46	4.55
		27°C	11.41	10.37	2.98	11.06	10.11	3.21	10.71	9.85	3.47	10.35	9.55	3.77	9.59	9.03	4.12	8.96	8.52	4.58
		30°C	12.02	12.02	3.00	11.69	11.69	3.24	11.35	11.35	3.51	11.00	11.00	3.81	10.20	10.20	4.16	9.55	9.55	4.62
	19°C	24°C	12.31	7.09	3.02	11.88	6.93	3.25	11.46	6.76	3.51	11.02	6.59	3.81	10.13	6.15	4.15	9.38	5.82	4.61
		27°C	12.35	8.23	3.02	11.92	8.06	3.25	11.49	7.89	3.51	11.05	7.71	3.82	10.16	7.23	4.16	9.40	6.87	4.61
		30°C	12.41	10.22	3.02	11.99	10.00	3.25	11.59	9.79	3.52	11.17	9.56	3.82	10.31	8.93	4.17	9.61	8.42	4.63
		33°C	12.74	12.74	3.04	12.37	12.37	3.27	12.03	12.03	3.55	11.66	11.66	3.85	10.83	10.83	4.20	10.16	10.16	4.67
	22°C	27°C	13.53	6.96	3.07	13.06	6.80	3.31	12.61	6.64	3.58	12.13	6.48	3.88	11.17	6.05	4.23	10.35	5.73	4.69
		30°C	13.56	8.61	3.07	13.09	8.43	3.31	12.63	8.25	3.58	12.15	8.08	3.89	11.19	7.58	4.23	10.38	7.20	4.69
		33°C	13.59	10.14	3.08	13.13	9.96	3.31	12.66	9.78	3.58	12.19	9.59	3.89	11.24	9.01	4.23	10.44	8.56	4.69
		36°C	13.72	11.49	3.08	13.28	11.26	3.32	12.85	11.03	3.60	12.44	10.76	3.91	11.52	10.05	4.25	10.78	9.49	4.72

Model: FDYM40CXV1 - RY40DXV1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	7.087	7.087	8.021	8.021	8.333	8.333	11.758	11.758	13.627	13.627	14.561	14.561	15.495	15.495
17°C	6.901	6.901	7.157	7.157	8.118	8.118	11.744	11.744	13.287	13.287	14.199	14.199	15.111	15.111
19°C	6.715	6.715	6.294	6.294	7.902	7.902	11.730	11.730	12.946	12.946	13.836	13.836	14.727	14.727
21°C	6.530	6.530	5.992	5.992	7.687	7.687	11.474	11.474	12.606	12.606	13.474	13.474	14.342	14.342
23°C	6.344	6.344	6.253	6.253	7.472	7.472	10.977	10.977	12.266	12.266	13.112	13.112	13.958	13.958
25°C	6.158	6.158	6.513	6.513	7.257	7.257	10.479	10.479	11.925	11.925	12.749	12.749	13.573	13.573
27°C	5.972	5.972	6.774	6.774	7.041	7.041	9.981	9.981	11.585	11.585	12.387	12.387	13.189	13.189
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM40CXV1 - RY40DXY1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
900	16°C	21°C	10.37	6.75	2.81	10.01	6.57	3.04	9.64	6.39	3.29	9.25	6.21	3.57	8.49	5.78	3.87	7.84	5.44	4.27
		24°C	10.39	8.08	2.81	10.02	7.89	3.04	9.65	7.71	3.29	9.26	7.52	3.57	8.51	7.02	3.88	7.87	6.62	4.27
		27°C	10.47	9.16	2.82	10.12	8.95	3.05	9.77	8.74	3.30	9.40	8.52	3.58	8.67	7.92	3.89	8.07	7.44	4.29
		30°C	10.79	10.79	2.83	10.48	10.48	3.06	10.17	10.17	3.32	9.84	9.84	3.61	9.12	9.12	3.92	8.53	8.53	4.33
	19°C	24°C	11.44	6.30	2.86	11.04	6.14	3.09	10.64	5.97	3.35	10.22	5.81	3.63	9.39	5.41	3.94	8.68	5.09	4.34
		27°C	11.45	7.21	2.86	11.05	7.04	3.09	10.64	6.88	3.35	10.22	6.72	3.63	9.40	6.28	3.94	8.69	5.95	4.35
		30°C	11.47	8.89	2.86	11.07	8.70	3.09	10.68	8.51	3.35	10.28	8.30	3.64	9.46	7.77	3.95	8.78	7.35	4.35
		33°C	11.60	11.60	2.86	11.23	11.23	3.10	10.86	10.86	3.36	10.49	10.49	3.65	9.71	9.71	3.97	9.08	9.08	4.38
	22°C	27°C	12.59	6.16	2.91	12.15	6.01	3.15	11.71	5.86	3.42	11.25	5.70	3.70	10.35	5.31	4.02	9.58	5.01	4.43
		30°C	12.59	7.51	2.91	12.16	7.35	3.15	11.71	7.18	3.42	11.26	7.01	3.70	10.35	6.57	4.02	9.58	6.23	4.43
		33°C	12.60	8.77	2.91	12.16	8.61	3.15	11.72	8.44	3.42	11.26	8.26	3.71	10.36	7.75	4.02	9.61	7.37	4.43
		36°C	12.64	9.95	2.91	12.22	9.75	3.15	11.80	9.55	3.42	11.37	9.34	3.71	10.49	8.75	4.03	9.75	8.30	4.44
990	16°C	21°C	10.79	7.03	2.84	10.40	6.85	3.07	10.01	6.67	3.32	9.60	6.48	3.60	8.81	6.03	3.91	8.13	5.68	4.31
		24°C	10.83	8.54	2.84	10.44	8.34	3.07	10.05	8.14	3.33	9.64	7.93	3.61	8.86	7.40	3.91	8.19	6.98	4.31
		27°C	10.96	9.69	2.84	10.59	9.47	3.08	10.22	9.23	3.33	9.85	8.95	3.62	9.10	8.31	3.93	8.48	7.78	4.34
		30°C	11.41	11.41	2.86	11.08	11.08	3.10	10.74	10.74	3.36	10.39	10.39	3.65	9.63	9.63	3.97	9.00	9.00	4.38
	19°C	24°C	11.89	6.65	2.88	11.47	6.49	3.12	11.04	6.32	3.38	10.59	6.14	3.67	9.73	5.72	3.98	8.99	5.40	4.38
		27°C	11.91	7.66	2.88	11.49	7.49	3.12	11.06	7.32	3.38	10.61	7.15	3.67	9.75	6.68	3.98	9.01	6.33	4.38
		30°C	11.97	9.45	2.89	11.55	9.25	3.13	11.14	9.04	3.39	10.71	8.82	3.67	9.86	8.25	3.99	9.15	7.79	4.40
		33°C	12.17	12.17	2.90	11.80	11.80	3.14	11.42	11.42	3.40	11.04	11.04	3.70	10.23	10.23	4.02	9.56	9.56	4.43
	22°C	27°C	13.06	6.51	2.94	12.60	6.36	3.18	12.14	6.20	3.45	11.65	6.03	3.74	10.71	5.63	4.05	9.90	5.31	4.47
		30°C	13.08	7.99	2.94	12.62	7.83	3.18	12.15	7.65	3.45	11.67	7.47	3.74	10.72	7.00	4.06	9.92	6.64	4.47
		33°C	13.10	9.37	2.94	12.65	9.19	3.18	12.18	9.00	3.45	11.70	8.81	3.74	10.77	8.26	4.06	9.98	7.84	4.47
		36°C	13.18	10.59	2.94	12.76	10.39	3.19	12.31	10.17	3.46	11.87	9.93	3.75	10.95	9.30	4.07	10.21	8.77	4.50
1060	16°C	21°C	11.19	7.34	2.86	10.78	7.15	3.09	10.37	6.96	3.35	9.94	6.77	3.63	9.11	6.30	3.94	8.40	5.93	4.34
		24°C	11.25	8.91	2.86	10.84	8.70	3.10	10.43	8.49	3.35	10.01	8.27	3.64	9.19	7.71	3.94	8.49	7.27	4.35
		27°C	11.43	10.22	2.87	11.06	9.95	3.11	10.68	9.67	3.37	10.30	9.37	3.65	9.52	8.68	3.97	8.87	8.11	4.38
		30°C	12.00	12.00	2.90	11.65	11.65	3.14	11.29	11.29	3.40	10.92	10.92	3.70	10.11	10.11	4.01	9.44	9.44	4.43
	19°C	24°C	12.32	7.04	2.91	11.87	6.86	3.15	11.42	6.69	3.41	10.96	6.51	3.70	10.05	6.07	4.01	9.28	5.72	4.42
		27°C	12.35	8.14	2.91	11.91	7.96	3.15	11.46	7.77	3.41	11.00	7.58	3.70	10.10	7.09	4.01	9.33	6.71	4.42
		30°C	12.46	10.02	2.91	12.02	9.80	3.16	11.58	9.58	3.42	11.14	9.34	3.71	10.26	8.72	4.02	9.52	8.22	4.44
		33°C	12.73	12.73	2.93	12.35	12.35	3.17	11.97	11.97	3.44	11.58	11.58	3.74	10.73	10.73	4.06	10.03	10.03	4.49
	22°C	27°C	13.52	6.88	2.96	13.04	6.73	3.21	12.55	6.56	3.48	12.04	6.39	3.77	11.06	5.96	4.09	10.22	5.63	4.50
		30°C	13.54	8.49	2.96	13.06	8.33	3.21	12.57	8.14	3.48	12.07	7.96	3.77	11.09	7.45	4.09	10.25	7.07	4.51
		33°C	13.59	9.95	2.97	13.12	9.77	3.21	12.64	9.57	3.48	12.14	9.36	3.78	11.17	8.77	4.10	10.35	8.32	4.51
		36°C	13.71	11.23	2.97	13.28	11.03	3.22	12.82	10.78	3.50	12.36	10.52	3.79	11.42	9.81	4.12	10.65	9.23	4.54
1100	16°C	21°C	11.19	7.40	2.89	10.79	7.22	3.11	10.40	7.04	3.36	9.99	6.86	3.65	9.18	6.39	3.98	8.48	6.02	4.42
		24°C	11.22	9.05	2.89	10.82	8.85	3.11	10.44	8.66	3.36	10.03	8.45	3.66	9.22	7.91	3.98	8.54	7.46	4.43
		27°C	11.41	10.37	2.90	11.06	10.11	3.12	10.71	9.85	3.38	10.35	9.55	3.67	9.59	9.03	4.01	8.96	8.52	4.46
		30°C	12.02	12.02	2.92	11.69	11.69	3.15	11.35	11.35	3.41	11.00	11.00	3.71	10.20	10.20	4.05	9.55	9.55	4.50
	19°C	24°C	12.31	7.09	2.94	11.88	6.93	3.16	11.46	6.76	3.42	11.02	6.59	3.71	10.13	6.15	4.04	9.38	5.82	4.49
		27°C	12.35	8.23	2.94	11.92	8.06	3.16	11.49	7.89	3.42	11.05	7.71	3.72	10.16	7.23	4.05	9.40	6.87	4.49
		30°C	12.41	10.22	2.94	11.99	10.00	3.17	11.59	9.79	3.43	11.17	9.56	3.72	10.31	8.93	4.06	9.61	8.42	4.51
		33°C	12.74	12.74	2.96	12.37	12.37	3.19	12.03	12.03	3.45	11.66	11.66	3.75	10.83	10.83	4.09	10.16	10.16	4.55
	22°C	27°C	13.53	6.96	2.99	13.06	6.80	3.22	12.61	6.64	3.48	12.13	6.48	3.78	11.17	6.05	4.12	10.35	5.73	4.56
		30°C	13.56	8.61	2.99	13.09	8.43	3.22	12.63	8.25	3.49	12.15	8.08	3.78	11.19	7.58	4.12	10.38	7.20	4.57
		33°C	13.59	10.14	3.00	13.13	9.96	3.23	12.66	9.78	3.49	12.19	9.59	3.79	11.24	9.01	4.12	10.44	8.56	4.57
		36°C	13.72	11.49	3.00	13.28	11.26	3.23	12.85	11.03	3.50	12.44	10.76	3.80	11.52	10.05	4.14	10.78	9.49	4.60

Model: FDYM40CXV1 - RY40DXY1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	7.087	7.087	8.021	8.021	8.333	8.333	11.758	11.758	13.627	13.627	14.561	14.561	15.495	15.495
17°C	6.901	6.901	7.157	7.157	8.118	8.118	11.744	11.744	13.287	13.287	14.199	14.199	15.111	15.111
19°C	6.715	6.715	6.294	6.294	7.902	7.902	11.730	11.730	12.946	12.946	13.836	13.836	14.727	14.727
21°C	6.530	6.530	5.992	5.992	7.687	7.687	11.474	11.474	12.606	12.606	13.474	13.474	14.342	14.342
23°C	6.344	6.344	6.253	6.253	7.472	7.472	10.977	10.977	12.266	12.266	13.112	13.112	13.958	13.958
25°C	6.158	6.158	6.513	6.513	7.257	7.257	10.479	10.479	11.925	11.925	12.749	12.749	13.573	13.573
27°C	5.972	5.972	6.774	6.774	7.041	7.041	9.981	9.981	11.585	11.585	12.387	12.387	13.189	13.189
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYB40CXV1 - RY40DXV1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
970	16°C	21°C	10.37	6.75	2.81	10.01	6.57	3.04	9.64	6.39	3.29	9.25	6.21	3.57	8.49	5.78	3.87	7.84	5.44	4.27
		24°C	10.39	8.08	2.81	10.02	7.89	3.04	9.65	7.71	3.29	9.26	7.52	3.57	8.51	7.02	3.88	7.87	6.62	4.27
		27°C	10.47	9.16	2.82	10.12	8.95	3.05	9.77	8.74	3.30	9.40	8.52	3.58	8.67	7.92	3.89	8.07	7.44	4.29
		30°C	10.79	10.79	2.83	10.48	10.48	3.06	10.17	10.17	3.32	9.84	9.84	3.61	9.12	9.12	3.92	8.53	8.53	4.33
	19°C	24°C	11.44	6.30	2.86	11.04	6.14	3.09	10.64	5.97	3.35	10.22	5.81	3.63	9.39	5.41	3.94	8.68	5.09	4.34
		27°C	11.45	7.21	2.86	11.05	7.04	3.09	10.64	6.88	3.35	10.22	6.72	3.63	9.40	6.28	3.94	8.69	5.95	4.35
		30°C	11.47	8.89	2.86	11.07	8.70	3.09	10.68	8.51	3.35	10.28	8.30	3.64	9.46	7.77	3.95	8.78	7.35	4.35
		33°C	11.60	11.60	2.86	11.23	11.23	3.10	10.86	10.86	3.36	10.49	10.49	3.65	9.71	9.71	3.97	9.08	9.08	4.38
	22°C	27°C	12.59	6.16	2.91	12.15	6.01	3.15	11.71	5.86	3.42	11.25	5.70	3.70	10.35	5.31	4.02	9.58	5.01	4.43
		30°C	12.59	7.51	2.91	12.16	7.35	3.15	11.71	7.18	3.42	11.26	7.01	3.70	10.35	6.57	4.02	9.58	6.23	4.43
		33°C	12.60	8.77	2.91	12.16	8.61	3.15	11.72	8.44	3.42	11.26	8.26	3.71	10.36	7.75	4.02	9.61	7.37	4.43
		36°C	12.64	9.95	2.91	12.22	9.75	3.15	11.80	9.55	3.42	11.37	9.34	3.71	10.49	8.75	4.03	9.75	8.30	4.44
1000	16°C	21°C	10.79	7.03	2.84	10.40	6.85	3.07	10.01	6.67	3.32	9.60	6.48	3.60	8.81	6.03	3.91	8.13	5.68	4.31
		24°C	10.83	8.54	2.84	10.44	8.34	3.07	10.05	8.14	3.33	9.64	7.93	3.61	8.86	7.40	3.91	8.19	6.98	4.31
		27°C	10.96	9.69	2.84	10.59	9.47	3.08	10.22	9.23	3.33	9.85	8.95	3.62	9.10	8.31	3.93	8.48	7.78	4.34
		30°C	11.41	11.41	2.86	11.08	11.08	3.10	10.74	10.74	3.36	10.39	10.39	3.65	9.63	9.63	3.97	9.00	9.00	4.38
	19°C	24°C	11.89	6.65	2.88	11.47	6.49	3.12	11.04	6.32	3.38	10.59	6.14	3.67	9.73	5.72	3.98	8.99	5.40	4.38
		27°C	11.91	7.66	2.88	11.49	7.49	3.12	11.06	7.32	3.38	10.61	7.15	3.67	9.75	6.68	3.98	9.01	6.33	4.38
		30°C	11.97	9.45	2.89	11.55	9.25	3.13	11.14	9.04	3.39	10.71	8.82	3.67	9.86	8.25	3.99	9.15	7.79	4.40
		33°C	12.17	12.17	2.90	11.80	11.80	3.14	11.42	11.42	3.40	11.04	11.04	3.70	10.23	10.23	4.02	9.56	9.56	4.43
	22°C	27°C	13.06	6.51	2.94	12.60	6.36	3.18	12.14	6.20	3.45	11.65	6.03	3.74	10.71	5.63	4.05	9.90	5.31	4.47
		30°C	13.08	7.99	2.94	12.62	7.83	3.18	12.15	7.65	3.45	11.67	7.47	3.74	10.72	7.00	4.06	9.92	6.64	4.47
		33°C	13.10	9.37	2.94	12.65	9.19	3.18	12.18	9.00	3.45	11.70	8.81	3.74	10.77	8.26	4.06	9.98	7.84	4.47
		36°C	13.18	10.59	2.94	12.76	10.39	3.19	12.31	10.17	3.46	11.87	9.93	3.75	10.95	9.30	4.07	10.21	8.77	4.50
1060	16°C	21°C	11.19	7.34	2.86	10.78	7.15	3.09	10.37	6.96	3.35	9.94	6.77	3.63	9.11	6.30	3.94	8.40	5.93	4.34
		24°C	11.25	8.91	2.86	10.84	8.70	3.10	10.43	8.49	3.35	10.01	8.27	3.64	9.19	7.71	3.94	8.49	7.27	4.35
		27°C	11.43	10.22	2.87	11.06	9.95	3.11	10.68	9.67	3.37	10.30	9.37	3.65	9.52	8.68	3.97	8.87	8.11	4.38
		30°C	12.00	12.00	2.90	11.65	11.65	3.14	11.29	11.29	3.40	10.92	10.92	3.70	10.11	10.11	4.01	9.44	9.44	4.43
	19°C	24°C	12.32	7.04	2.91	11.87	6.86	3.15	11.42	6.69	3.41	10.96	6.51	3.70	10.05	6.07	4.01	9.28	5.72	4.42
		27°C	12.35	8.14	2.91	11.91	7.96	3.15	11.46	7.77	3.41	11.00	7.58	3.70	10.10	7.09	4.01	9.33	6.71	4.42
		30°C	12.46	10.02	2.91	12.02	9.80	3.16	11.58	9.58	3.42	11.14	9.34	3.71	10.26	8.72	4.02	9.52	8.22	4.44
		33°C	12.73	12.73	2.93	12.35	12.35	3.17	11.97	11.97	3.44	11.58	11.58	3.74	10.73	10.73	4.06	10.03	10.03	4.49
	22°C	27°C	13.52	6.88	2.96	13.04	6.73	3.21	12.55	6.56	3.48	12.04	6.39	3.77	11.06	5.96	4.09	10.22	5.63	4.50
		30°C	13.54	8.49	2.96	13.06	8.33	3.21	12.57	8.14	3.48	12.07	7.96	3.77	11.09	7.45	4.09	10.25	7.07	4.51
		33°C	13.59	9.95	2.97	13.12	9.77	3.21	12.64	9.57	3.48	12.14	9.36	3.78	11.17	8.77	4.10	10.35	8.32	4.51
		36°C	13.71	11.23	2.97	13.28	11.03	3.22	12.82	10.78	3.50	12.36	10.52	3.79	11.42	9.81	4.12	10.65	9.23	4.54
1190	16°C	21°C	11.19	7.40	2.89	10.79	7.22	3.11	10.40	7.04	3.36	9.99	6.86	3.65	9.18	6.39	3.98	8.48	6.02	4.42
		24°C	11.22	9.05	2.89	10.82	8.85	3.11	10.44	8.66	3.36	10.03	8.45	3.66	9.22	7.91	3.98	8.54	7.46	4.43
		27°C	11.41	10.37	2.90	11.06	10.11	3.12	10.71	9.85	3.38	10.35	9.55	3.67	9.59	9.03	4.01	8.96	8.52	4.46
		30°C	12.02	12.02	2.92	11.69	11.69	3.15	11.35	11.35	3.41	11.00	11.00	3.71	10.20	10.20	4.05	9.55	9.55	4.50
	19°C	24°C	12.31	7.09	2.94	11.88	6.93	3.16	11.46	6.76	3.42	11.02	6.59	3.71	10.13	6.15	4.04	9.38	5.82	4.49
		27°C	12.35	8.23	2.94	11.92	8.06	3.16	11.49	7.89	3.42	11.05	7.71	3.72	10.16	7.23	4.05	9.40	6.87	4.49
		30°C	12.41	10.22	2.94	11.99	10.00	3.17	11.59	9.79	3.43	11.17	9.56	3.72	10.31	8.93	4.06	9.61	8.42	4.51
		33°C	12.74	12.74	2.96	12.37	12.37	3.19	12.03	12.03	3.45	11.66	11.66	3.75	10.83	10.83	4.09	10.16	10.16	4.55
	22°C	27°C	13.53	6.96	2.99	13.06	6.80	3.22	12.61	6.64	3.48	12.13	6.48	3.78	11.17	6.05	4.12	10.35	5.73	4.56
		30°C	13.56	8.61	2.99	13.09	8.43	3.22	12.63	8.25	3.49	12.15	8.08	3.78	11.19	7.58	4.12	10.38	7.20	4.57
		33°C	13.59	10.14	3.00	13.13	9.96	3.23	12.66	9.78	3.49	12.19	9.59	3.79	11.24	9.01	4.12	10.44	8.56	4.57
		36°C	13.72	11.49	3.00	13.28	11.26	3.23	12.85	11.03	3.50	12.44	10.76	3.80	11.52	10.05	4.14	10.78	9.49	4.60

Model: FDYB40CXV1 - RY40DXV1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	7.087	7.087	8.021	8.021	8.333	8.333	11.758	11.758	13.627	13.627	14.561	14.561	15.495	15.495
17°C	6.901	6.901	7.157	7.157	8.118	8.118	11.744	11.744	13.287	13.287	14.199	14.199	15.111	15.111
19°C	6.715	6.715	6.294	6.294	7.902	7.902	11.730	11.730	12.946	12.946	13.836	13.836	14.727	14.727
21°C	6.530	6.530	5.992	5.992	7.687	7.687	11.474	11.474	12.606	12.606	13.474	13.474	14.342	14.342
23°C	6.344	6.344	6.253	6.253	7.472	7.472	10.977	10.977	12.266	12.266	13.112	13.112	13.958	13.958
25°C	6.158	6.158	6.513	6.513	7.257	7.257	10.479	10.479	11.925	11.925	12.749	12.749	13.573	13.573
27°C	5.972	5.972	6.774	6.774	7.041	7.041	9.981	9.981	11.585	11.585	12.387	12.387	13.189	13.189
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYB40CXV1 - RY40DX1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
970	16°C	21°C	10.47	6.81	2.77	10.10	6.63	3.00	9.72	6.45	3.25	9.33	6.27	3.52	8.57	5.83	3.82	7.91	5.48	4.21
		24°C	10.48	8.15	2.77	10.11	7.96	3.00	9.74	7.78	3.25	9.35	7.59	3.52	8.59	7.08	3.82	7.94	6.68	4.21
		27°C	10.57	9.24	2.78	10.21	9.03	3.01	9.86	8.82	3.26	9.48	8.59	3.53	8.75	8.00	3.83	8.14	7.51	4.23
		30°C	10.89	10.89	2.79	10.58	10.58	3.02	10.26	10.26	3.28	9.93	9.93	3.56	9.20	9.20	3.87	8.61	8.61	4.27
	19°C	24°C	11.55	6.35	2.82	11.14	6.19	3.05	10.73	6.03	3.30	10.31	5.86	3.58	9.47	5.46	3.89	8.76	5.14	4.29
		27°C	11.56	7.27	2.82	11.15	7.11	3.05	10.74	6.94	3.31	10.32	6.78	3.58	9.48	6.34	3.89	8.77	6.00	4.29
		30°C	11.57	8.97	2.82	11.17	8.78	3.05	10.78	8.59	3.31	10.37	8.38	3.59	9.55	7.84	3.89	8.86	7.42	4.29
		33°C	11.71	11.71	2.83	11.33	11.33	3.06	10.96	10.96	3.32	10.59	10.59	3.60	9.80	9.80	3.91	9.16	9.16	4.32
	22°C	27°C	12.70	6.22	2.87	12.26	6.07	3.11	11.82	5.92	3.37	11.36	5.75	3.65	10.44	5.36	3.96	9.67	5.06	4.37
		30°C	12.71	7.58	2.87	12.27	7.42	3.11	11.82	7.25	3.37	11.36	7.08	3.65	10.45	6.63	3.96	9.67	6.28	4.37
		33°C	12.72	8.85	2.87	12.27	8.68	3.11	11.83	8.51	3.37	11.37	8.34	3.66	10.46	7.83	3.97	9.69	7.43	4.37
		36°C	12.76	10.04	2.87	12.33	9.84	3.11	11.91	9.63	3.38	11.47	9.42	3.66	10.58	8.83	3.97	9.84	8.38	4.38
1000	16°C	21°C	10.89	7.10	2.80	10.50	6.91	3.03	10.10	6.73	3.28	9.69	6.54	3.55	8.89	6.09	3.85	8.20	5.73	4.25
		24°C	10.92	8.61	2.80	10.53	8.41	3.03	10.14	8.21	3.28	9.73	8.00	3.56	8.94	7.47	3.86	8.26	7.05	4.25
		27°C	11.05	9.78	2.81	10.68	9.55	3.04	10.32	9.31	3.29	9.94	9.03	3.57	9.18	8.39	3.88	8.55	7.85	4.28
		30°C	11.52	11.52	2.83	11.18	11.18	3.06	10.84	10.84	3.32	10.49	10.49	3.60	9.72	9.72	3.92	9.08	9.08	4.32
	19°C	24°C	12.00	6.71	2.84	11.57	6.54	3.08	11.14	6.37	3.33	10.69	6.20	3.62	9.82	5.78	3.92	9.07	5.44	4.32
		27°C	12.02	7.73	2.84	11.59	7.56	3.08	11.16	7.39	3.34	10.71	7.21	3.62	9.84	6.74	3.92	9.10	6.39	4.33
		30°C	12.08	9.54	2.85	11.66	9.33	3.08	11.24	9.12	3.34	10.81	8.90	3.62	9.95	8.32	3.93	9.23	7.86	4.34
		33°C	12.28	12.28	2.86	11.90	11.90	3.10	11.52	11.52	3.36	11.14	11.14	3.65	10.32	10.32	3.96	9.65	9.65	4.37
	22°C	27°C	13.18	6.57	2.90	12.72	6.42	3.14	12.25	6.26	3.40	11.76	6.09	3.69	10.81	5.68	4.00	9.99	5.36	4.41
		30°C	13.20	8.07	2.90	12.73	7.90	3.14	12.26	7.72	3.40	11.77	7.54	3.69	10.82	7.06	4.00	10.01	6.70	4.41
		33°C	13.22	9.45	2.90	12.76	9.27	3.14	12.29	9.08	3.40	11.81	8.89	3.69	10.87	8.34	4.01	10.07	7.92	4.41
		36°C	13.30	10.68	2.90	12.87	10.48	3.15	12.42	10.26	3.41	11.97	10.02	3.70	11.05	9.38	4.02	10.30	8.85	4.43
1060	16°C	21°C	11.29	7.40	2.82	10.88	7.22	3.05	10.46	7.03	3.30	10.03	6.83	3.58	9.20	6.36	3.88	8.48	5.99	4.28
		24°C	11.35	9.00	2.82	10.94	8.78	3.05	10.53	8.57	3.31	10.10	8.34	3.59	9.28	7.78	3.89	8.57	7.34	4.29
		27°C	11.53	10.31	2.83	11.16	10.04	3.07	10.78	9.76	3.32	10.39	9.46	3.61	9.60	8.76	3.91	8.95	8.18	4.32
		30°C	12.11	12.11	2.86	11.76	11.76	3.10	11.40	11.40	3.36	11.02	11.02	3.65	10.20	10.20	3.96	9.53	9.53	4.37
	19°C	24°C	12.43	7.10	2.87	11.98	6.93	3.10	11.52	6.75	3.36	11.06	6.57	3.65	10.15	6.12	3.95	9.37	5.77	4.36
		27°C	12.47	8.22	2.87	12.02	8.03	3.11	11.57	7.84	3.37	11.10	7.65	3.65	10.19	7.15	3.96	9.42	6.77	4.36
		30°C	12.57	10.11	2.88	12.12	9.89	3.11	11.69	9.66	3.37	11.24	9.42	3.66	10.35	8.80	3.97	9.61	8.29	4.38
		33°C	12.84	12.84	2.89	12.47	12.47	3.13	12.08	12.08	3.40	11.68	11.68	3.69	10.82	10.82	4.01	10.12	10.12	4.42
	22°C	27°C	13.64	6.95	2.92	13.15	6.79	3.17	12.66	6.62	3.43	12.15	6.45	3.72	11.16	6.02	4.03	10.31	5.68	4.44
		30°C	13.67	8.56	2.92	13.18	8.40	3.17	12.68	8.22	3.43	12.18	8.03	3.72	11.19	7.52	4.04	10.35	7.13	4.44
		33°C	13.71	10.04	2.93	13.24	9.86	3.17	12.75	9.65	3.44	12.25	9.44	3.73	11.27	8.85	4.04	10.44	8.40	4.45
		36°C	13.84	11.33	2.93	13.40	11.13	3.18	12.94	10.88	3.45	12.47	10.61	3.74	11.53	9.90	4.06	10.75	9.32	4.48
1190	16°C	21°C	11.29	7.47	2.85	10.89	7.29	3.07	10.49	7.11	3.32	10.08	6.92	3.60	9.26	6.45	3.93	8.55	6.08	4.36
		24°C	11.33	9.13	2.85	10.92	8.93	3.07	10.53	8.74	3.32	10.12	8.53	3.61	9.31	7.98	3.93	8.62	7.53	4.37
		27°C	11.51	10.47	2.86	11.16	10.21	3.08	10.80	9.94	3.33	10.44	9.64	3.62	9.67	9.11	3.95	9.04	8.60	4.40
		30°C	12.13	12.13	2.88	11.79	11.79	3.11	11.46	11.46	3.37	11.10	11.10	3.66	10.30	10.30	3.99	9.64	9.64	4.44
	19°C	24°C	12.42	7.16	2.90	11.99	6.99	3.12	11.56	6.82	3.37	11.12	6.65	3.66	10.23	6.21	3.99	9.46	5.87	4.43
		27°C	12.46	8.30	2.90	12.02	8.13	3.12	11.60	7.96	3.38	11.15	7.78	3.67	10.26	7.30	3.99	9.49	6.93	4.43
		30°C	12.52	10.31	2.90	12.10	10.10	3.12	11.69	9.88	3.38	11.27	9.64	3.67	10.41	9.01	4.00	9.70	8.50	4.45
		33°C	12.85	12.85	2.92	12.48	12.48	3.14	12.14	12.14	3.41	11.77	11.77	3.70	10.93	10.93	4.04	10.25	10.25	4.49
	22°C	27°C	13.65	7.02	2.95	13.18	6.86	3.18	12.72	6.70	3.44	12.24	6.53	3.73	11.27	6.11	4.06	10.45	5.78	4.50
		30°C	13.68	8.68	2.95	13.21	8.51	3.18	12.75	8.33	3.44	12.27	8.15	3.73	11.29	7.65	4.06	10.47	7.27	4.50
		33°C	13.71	10.23	2.95	13.24	10.05	3.18	12.77	9.87	3.44	12.30	9.68	3.74	11.34	9.09	4.07	10.54	8.64	4.51
		36°C	13.84	11.60	2.96	13.40	11.37	3.19	12.97	11.13	3.45	12.55	10.86	3.75	11.63	10.15	4.09	10.88	9.58	4.54

Model: FDYB40CXV1 - RY40DXY1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	7.087	7.087	8.021	8.021	8.333	8.333	11.758	11.758	13.627	13.627	14.561	14.561	15.495	15.495
17°C	6.901	6.901	7.157	7.157	8.118	8.118	11.744	11.744	13.287	13.287	14.199	14.199	15.111	15.111
19°C	6.715	6.715	6.294	6.294	7.902	7.902	11.730	11.730	12.946	12.946	13.836	13.836	14.727	14.727
21°C	6.530	6.530	5.992	5.992	7.687	7.687	11.474	11.474	12.606	12.606	13.474	13.474	14.342	14.342
23°C	6.344	6.344	6.253	6.253	7.472	7.472	10.977	10.977	12.266	12.266	13.112	13.112	13.958	13.958
25°C	6.158	6.158	6.513	6.513	7.257	7.257	10.479	10.479	11.925	11.925	12.749	12.749	13.573	13.573
27°C	5.972	5.972	6.774	6.774	7.041	7.041	9.981	9.981	11.585	11.585	12.387	12.387	13.189	13.189
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM50CXV1 - RY50DXY1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
1210	16°C	21°C	13.30	9.41	3.95	12.83	9.17	4.27	12.35	8.92	4.63	11.86	8.67	5.02	10.89	8.06	5.44	10.05	7.59	6.00
		24°C	13.32	11.27	3.95	12.84	11.01	4.27	12.37	10.76	4.63	11.87	10.49	5.02	10.91	9.80	5.45	10.09	9.24	6.00
		27°C	13.42	12.78	3.96	12.98	12.49	4.28	12.52	12.20	4.64	12.05	11.88	5.03	11.12	11.06	5.46	10.34	10.34	6.03
		30°C	13.84	13.84	3.98	13.44	13.44	4.31	13.03	13.03	4.67	12.61	12.61	5.07	11.69	11.69	5.51	10.94	10.94	6.08
	19°C	24°C	14.67	8.79	4.01	14.16	8.57	4.35	13.64	8.34	4.71	13.10	8.10	5.11	12.04	7.55	5.54	11.13	7.11	6.11
		27°C	14.68	10.06	4.01	14.16	9.83	4.35	13.64	9.60	4.71	13.11	9.37	5.11	12.05	8.77	5.54	11.14	8.30	6.11
		30°C	14.70	12.41	4.02	14.19	12.14	4.35	13.69	11.87	4.71	13.17	11.59	5.11	12.13	10.84	5.55	11.25	10.26	6.12
		33°C	14.88	14.88	4.03	14.39	14.39	4.36	13.93	13.93	4.73	13.45	13.45	5.13	12.45	12.45	5.57	11.63	11.63	6.15
	22°C	27°C	16.14	8.60	4.09	15.58	8.39	4.43	15.01	8.18	4.80	14.43	7.96	5.21	13.27	7.42	5.65	12.28	6.99	6.22
		30°C	16.14	10.48	4.09	15.59	10.26	4.43	15.01	10.03	4.80	14.43	9.79	5.21	13.27	9.16	5.65	12.28	8.69	6.22
		33°C	16.15	12.24	4.09	15.59	12.01	4.43	15.03	11.77	4.80	14.44	11.53	5.21	13.29	10.82	5.65	12.31	10.28	6.23
		36°C	16.21	13.88	4.09	15.67	13.61	4.43	15.13	13.32	4.81	14.58	13.03	5.22	13.44	12.21	5.66	12.50	11.59	6.24
1280	16°C	21°C	13.83	9.81	3.99	13.33	9.56	4.31	12.83	9.30	4.67	12.31	9.04	5.06	11.29	8.42	5.49	10.42	7.92	6.05
		24°C	13.88	11.91	3.99	13.38	11.63	4.31	12.88	11.35	4.67	12.36	11.07	5.07	11.35	10.32	5.50	10.49	9.74	6.06
		27°C	14.04	13.53	4.00	13.57	13.21	4.33	13.10	12.87	4.69	12.63	12.49	5.09	11.66	11.60	5.52	10.86	10.85	6.09
		30°C	14.63	14.63	4.03	14.20	14.20	4.36	13.77	13.77	4.73	13.32	13.32	5.13	12.35	12.35	5.58	11.54	11.54	6.16
	19°C	24°C	15.24	9.28	4.05	14.70	9.05	4.39	14.15	8.81	4.75	13.58	8.57	5.15	12.47	7.99	5.59	11.52	7.53	6.16
		27°C	15.27	10.69	4.05	14.72	10.45	4.39	14.17	10.22	4.75	13.60	9.98	5.15	12.50	9.33	5.59	11.55	8.83	6.16
		30°C	15.34	13.19	4.06	14.81	12.90	4.39	14.28	12.61	4.76	13.73	12.31	5.16	12.64	11.51	5.60	11.73	10.87	6.18
		33°C	15.60	15.60	4.07	15.12	15.12	4.41	14.64	14.64	4.79	14.15	14.15	5.20	13.11	13.11	5.64	12.26	12.26	6.23
	22°C	27°C	16.75	9.09	4.13	16.16	8.87	4.47	15.56	8.65	4.85	14.94	8.42	5.25	13.73	7.85	5.70	12.70	7.41	6.28
		30°C	16.77	11.15	4.13	16.17	10.92	4.47	15.57	10.68	4.85	14.95	10.43	5.26	13.74	9.77	5.70	12.71	9.27	6.28
		33°C	16.80	13.07	4.13	16.21	12.82	4.47	15.62	12.56	4.85	15.00	12.29	5.26	13.80	11.53	5.71	12.79	10.94	6.29
		36°C	16.90	14.77	4.14	16.35	14.49	4.48	15.78	14.19	4.86	15.21	13.86	5.28	14.03	12.97	5.73	13.08	12.24	6.32
1380	16°C	21°C	14.34	10.24	4.02	13.82	9.98	4.35	13.29	9.71	4.71	12.74	9.44	5.10	11.68	8.79	5.53	10.77	8.28	6.10
		24°C	14.42	12.44	4.02	13.90	12.14	4.35	13.37	11.85	4.71	12.83	11.54	5.11	11.79	10.76	5.54	10.89	10.15	6.11
		27°C	14.65	14.25	4.04	14.17	13.89	4.37	13.69	13.50	4.73	13.20	13.08	5.14	12.20	12.12	5.58	11.37	11.31	6.15
		30°C	15.39	15.39	4.07	14.94	14.94	4.41	14.48	14.48	4.78	14.00	14.00	5.19	12.96	12.96	5.64	12.11	12.11	6.23
	19°C	24°C	15.79	9.82	4.09	15.22	9.58	4.42	14.64	9.33	4.79	14.04	9.08	5.19	12.89	8.46	5.63	11.90	7.98	6.21
		27°C	15.84	11.36	4.09	15.27	11.10	4.43	14.69	10.84	4.80	14.10	10.58	5.20	12.95	9.89	5.64	11.96	9.36	6.21
		30°C	15.97	13.98	4.10	15.40	13.68	4.43	14.85	13.36	4.81	14.28	13.03	5.21	13.15	12.17	5.66	12.21	11.47	6.24
		33°C	16.31	16.31	4.11	15.83	15.83	4.46	15.35	15.35	4.84	14.84	14.84	5.26	13.75	13.75	5.71	12.86	12.86	6.30
	22°C	27°C	17.33	9.60	4.16	16.71	9.39	4.51	16.08	9.16	4.89	15.43	8.92	5.30	14.18	8.32	5.75	13.10	7.86	6.33
		30°C	17.36	11.84	4.16	16.74	11.62	4.51	16.11	11.36	4.89	15.47	11.11	5.30	14.21	10.40	5.75	13.14	9.86	6.33
		33°C	17.42	13.88	4.17	16.82	13.64	4.52	16.20	13.35	4.90	15.56	13.05	5.31	14.32	12.24	5.76	13.27	11.61	6.35
		36°C	17.58	15.67	4.18	17.03	15.38	4.53	16.44	15.05	4.91	15.85	14.67	5.33	14.64	13.69	5.79	13.66	12.89	6.39
1590	16°C	21°C	14.34	10.33	4.06	13.83	10.08	4.37	13.33	9.83	4.73	12.81	9.57	5.13	11.77	8.92	5.60	10.87	8.40	6.22
		24°C	14.39	12.62	4.06	13.88	12.35	4.37	13.38	12.08	4.73	12.86	11.80	5.14	11.83	11.03	5.60	10.95	10.41	6.22
		27°C	14.63	14.48	4.07	14.18	14.11	4.39	13.73	13.73	4.75	13.27	13.27	5.16	12.29	12.29	5.63	11.48	11.48	6.27
		30°C	15.42	15.42	4.11	14.98	14.98	4.43	14.55	14.55	4.80	14.10	14.10	5.22	13.08	13.08	5.69	12.24	12.24	6.33
	19°C	24°C	15.78	9.90	4.13	15.24	9.67	4.44	14.69	9.43	4.81	14.12	9.19	5.22	12.99	8.59	5.68	12.02	8.12	6.31
		27°C	15.83	11.48	4.13	15.28	11.24	4.45	14.73	11.01	4.81	14.16	10.76	5.22	13.03	10.09	5.69	12.06	9.58	6.31
		30°C	15.91	14.27	4.13	15.37	13.96	4.45	14.86	13.66	4.82	14.32	13.34	5.23	13.22	12.47	5.70	12.32	11.75	6.33
		33°C	16.33	16.33	4.15	15.86	15.86	4.48	15.42	15.42	4.85	14.95	14.95	5.28	13.89	13.89	5.75	13.02	13.02	6.39
	22°C	27°C	17.35	9.71	4.21	16.75	9.49	4.53	16.16	9.27	4.90	15.55	9.04	5.32	14.32	8.45	5.78	13.27	7.99	6.41
		30°C	17.38	12.01	4.21	16.79	11.76	4.53	16.20	11.52	4.90	15.58	11.27	5.32	14.35	10.57	5.79	13.30	10.05	6.42
		33°C	17.43	14.15	4.21	16.83	13.90	4.53	16.23	13.65	4.90	15.63	13.38	5.32	14.41	12.58	5.79	13.39	11.95	6.42
		36°C	17.59	16.04	4.22	17.03	15.72	4.55	16.48	15.39	4.92	15.95	15.01	5.34	14.77	14.03	5.82	13.82	13.24	6.46

Model: FDYM50CXV1 - RY50DXY1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	8.814	8.814	10.164	10.164	10.614	10.614	15.565	15.565	18.266	18.266	19.617	19.617	20.967	20.967
17°C	8.807	8.807	10.025	10.025	10.431	10.431	15.555	15.555	17.778	17.778	19.075	19.075	20.371	20.371
19°C	8.799	8.799	9.886	9.886	10.248	10.248	15.544	15.544	17.290	17.290	18.533	18.533	19.775	19.775
21°C	8.792	8.792	9.747	9.747	10.065	10.065	15.533	15.533	16.802	16.802	17.991	17.991	19.180	19.180
23°C	8.572	8.572	9.555	9.555	9.883	9.883	14.764	14.764	16.314	16.314	17.449	17.449	18.584	18.584
25°C	8.351	8.351	9.363	9.363	9.700	9.700	13.994	13.994	15.826	15.826	16.907	16.907	17.988	17.988
27°C	8.131	8.131	9.170	9.170	9.517	9.517	13.225	13.225	15.338	15.338	16.365	16.365	17.392	17.392
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYB50CXV1 - RY50DX1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
1270	16°C	21°C	13.30	9.41	3.87	12.83	9.17	4.18	12.35	8.92	4.53	11.86	8.67	4.91	10.89	8.06	5.33	10.05	7.59	5.87
		24°C	13.32	11.27	3.87	12.84	11.01	4.18	12.37	10.76	4.53	11.87	10.49	4.91	10.91	9.80	5.33	10.09	9.24	5.87
		27°C	13.42	12.78	3.87	12.98	12.49	4.19	12.52	12.20	4.54	12.05	11.88	4.92	11.12	11.06	5.34	10.34	10.34	5.90
		30°C	13.84	13.84	3.89	13.44	13.44	4.21	13.03	13.03	4.57	12.61	12.61	4.96	11.69	11.69	5.39	10.94	10.94	5.95
	19°C	24°C	14.67	8.79	3.93	14.16	8.57	4.25	13.64	8.34	4.61	13.10	8.10	5.00	12.04	7.55	5.42	11.13	7.11	5.97
		27°C	14.68	10.06	3.93	14.16	9.83	4.25	13.64	9.60	4.61	13.11	9.37	5.00	12.05	8.77	5.42	11.14	8.30	5.97
		30°C	14.70	12.41	3.93	14.19	12.14	4.25	13.69	11.87	4.61	13.17	11.59	5.00	12.13	10.84	5.43	11.25	10.26	5.98
		33°C	14.88	14.88	3.94	14.39	14.39	4.26	13.93	13.93	4.62	13.45	13.45	5.02	12.45	12.45	5.45	11.63	11.63	6.02
	22°C	27°C	16.14	8.60	4.00	15.58	8.39	4.33	15.01	8.18	4.70	14.43	7.96	5.09	13.27	7.42	5.52	12.28	6.99	6.09
		30°C	16.14	10.48	4.00	15.59	10.26	4.33	15.01	10.03	4.70	14.43	9.79	5.09	13.27	9.16	5.53	12.28	8.69	6.09
		33°C	16.15	12.24	4.00	15.59	12.01	4.33	15.03	11.77	4.70	14.44	11.53	5.09	13.29	10.82	5.53	12.31	10.28	6.09
		36°C	16.21	13.88	4.00	15.67	13.61	4.34	15.13	13.32	4.70	14.58	13.03	5.10	13.44	12.21	5.54	12.50	11.59	6.11
1310	16°C	21°C	13.83	9.81	3.90	13.33	9.56	4.22	12.83	9.30	4.57	12.31	9.04	4.95	11.29	8.42	5.37	10.42	7.92	5.92
		24°C	13.88	11.91	3.90	13.38	11.63	4.22	12.88	11.35	4.57	12.36	11.07	4.96	11.35	10.32	5.38	10.49	9.74	5.93
		27°C	14.04	13.53	3.91	13.57	13.21	4.23	13.10	12.87	4.59	12.63	12.49	4.98	11.66	11.60	5.40	10.86	10.85	5.96
		30°C	14.63	14.63	3.94	14.20	14.20	4.27	13.77	13.77	4.63	13.32	13.32	5.02	12.35	12.35	5.46	11.54	11.54	6.03
	19°C	24°C	15.24	9.28	3.96	14.70	9.05	4.29	14.15	8.81	4.65	13.58	8.57	5.04	12.47	7.99	5.47	11.52	7.53	6.02
		27°C	15.27	10.69	3.96	14.72	10.45	4.29	14.17	10.22	4.65	13.60	9.98	5.04	12.50	9.33	5.47	11.55	8.83	6.03
		30°C	15.34	13.19	3.97	14.81	12.90	4.30	14.28	12.61	4.66	13.73	12.31	5.05	12.64	11.51	5.48	11.73	10.87	6.04
		33°C	15.60	15.60	3.98	15.12	15.12	4.32	14.64	14.64	4.68	14.15	14.15	5.08	13.11	13.11	5.52	12.26	12.26	6.10
	22°C	27°C	16.75	9.09	4.04	16.16	8.87	4.37	15.56	8.65	4.74	14.94	8.42	5.14	13.73	7.85	5.57	12.70	7.41	6.14
		30°C	16.77	11.15	4.04	16.17	10.92	4.37	15.57	10.68	4.74	14.95	10.43	5.14	13.74	9.77	5.58	12.71	9.27	6.14
		33°C	16.80	13.07	4.04	16.21	12.82	4.38	15.62	12.56	4.75	15.00	12.29	5.15	13.80	11.53	5.58	12.79	10.94	6.15
		36°C	16.90	14.77	4.05	16.35	14.49	4.39	15.78	14.19	4.76	15.21	13.86	5.16	14.03	12.97	5.60	13.08	12.24	6.18
1330	16°C	21°C	14.34	10.24	3.93	13.82	9.98	4.25	13.29	9.71	4.60	12.74	9.44	4.99	11.68	8.79	5.41	10.77	8.28	5.97
		24°C	14.42	12.44	3.94	13.90	12.14	4.26	13.37	11.85	4.61	12.83	11.54	5.00	11.79	10.76	5.42	10.89	10.15	5.98
		27°C	14.65	14.25	3.95	14.17	13.89	4.27	13.69	13.50	4.63	13.20	13.08	5.02	12.20	12.12	5.46	11.37	11.31	6.02
		30°C	15.39	15.39	3.98	14.94	14.94	4.31	14.48	14.48	4.68	14.00	14.00	5.08	12.96	12.96	5.52	12.11	12.11	6.09
	19°C	24°C	15.79	9.82	4.00	15.22	9.58	4.33	14.64	9.33	4.69	14.04	9.08	5.08	12.89	8.46	5.51	11.90	7.98	6.07
		27°C	15.84	11.36	4.00	15.27	11.10	4.33	14.69	10.84	4.69	14.10	10.58	5.09	12.95	9.89	5.52	11.96	9.36	6.08
		30°C	15.97	13.98	4.01	15.40	13.68	4.34	14.85	13.36	4.70	14.28	13.03	5.10	13.15	12.17	5.53	12.21	11.47	6.10
		33°C	16.31	16.31	4.03	15.83	15.83	4.36	15.35	15.35	4.73	14.84	14.84	5.14	13.75	13.75	5.59	12.86	12.86	6.17
	22°C	27°C	17.33	9.60	4.07	16.71	9.39	4.41	16.08	9.16	4.78	15.43	8.92	5.18	14.18	8.32	5.62	13.10	7.86	6.19
		30°C	17.36	11.84	4.07	16.74	11.62	4.41	16.11	11.36	4.78	15.47	11.11	5.19	14.21	10.40	5.62	13.14	9.86	6.19
		33°C	17.42	13.88	4.08	16.82	13.64	4.42	16.20	13.35	4.79	15.56	13.05	5.20	14.32	12.24	5.64	13.27	11.61	6.21
		36°C	17.58	15.67	4.09	17.03	15.38	4.43	16.44	15.05	4.81	15.85	14.67	5.22	14.64	13.69	5.66	13.66	12.89	6.25
1510	16°C	21°C	14.34	10.33	3.97	13.83	10.08	4.27	13.33	9.83	4.62	12.81	9.57	5.02	11.77	8.92	5.47	10.87	8.40	6.08
		24°C	14.39	12.62	3.97	13.88	12.35	4.28	13.38	12.08	4.63	12.86	11.80	5.03	11.83	11.03	5.48	10.95	10.41	6.09
		27°C	14.63	14.48	3.98	14.18	14.11	4.29	13.73	13.73	4.65	13.27	13.27	5.05	12.29	12.29	5.51	11.48	11.48	6.13
		30°C	15.42	15.42	4.02	14.98	14.98	4.33	14.55	14.55	4.69	14.10	14.10	5.10	13.08	13.08	5.57	12.24	12.24	6.19
	19°C	24°C	15.78	9.90	4.04	15.24	9.67	4.35	14.69	9.43	4.70	14.12	9.19	5.11	12.99	8.59	5.56	12.02	8.12	6.17
		27°C	15.83	11.48	4.04	15.28	11.24	4.35	14.73	11.01	4.70	14.16	10.76	5.11	13.03	10.09	5.56	12.06	9.58	6.18
		30°C	15.91	14.27	4.04	15.37	13.96	4.35	14.86	13.66	4.71	14.32	13.34	5.12	13.22	12.47	5.58	12.32	11.75	6.20
		33°C	16.33	16.33	4.06	15.86	15.86	4.38	15.42	15.42	4.75	14.95	14.95	5.16	13.89	13.89	5.63	13.02	13.02	6.26
	22°C	27°C	17.35	9.71	4.11	16.75	9.49	4.43	16.16	9.27	4.79	15.55	9.04	5.20	14.32	8.45	5.66	13.27	7.99	6.28
		30°C	17.38	12.01	4.12	16.79	11.76	4.43	16.20	11.52	4.79	15.58	11.27	5.20	14.35	10.57	5.66	13.30	10.05	6.28
		33°C	17.43	14.15	4.12	16.83	13.90	4.44	16.23	13.65	4.80	15.63	13.38	5.21	14.41	12.58	5.67	13.39	11.95	6.29
		36°C	17.59	16.04	4.13	17.03	15.72	4.45	16.48	15.39	4.81	15.95	15.01	5.23	14.77	14.03	5.69	13.82	13.24	6.32

Model: FDYB50CXV1 - RY50DXY1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	8.814	8.814	10.164	10.164	10.614	10.614	15.565	15.565	18.266	18.266	19.617	19.617	20.967	20.967
17°C	8.807	8.807	10.025	10.025	10.431	10.431	15.555	15.555	17.778	17.778	19.075	19.075	20.371	20.371
19°C	8.799	8.799	9.886	9.886	10.248	10.248	15.544	15.544	17.290	17.290	18.533	18.533	19.775	19.775
21°C	8.792	8.792	9.747	9.747	10.065	10.065	15.533	15.533	16.802	16.802	17.991	17.991	19.180	19.180
23°C	8.572	8.572	9.555	9.555	9.883	9.883	14.764	14.764	16.314	16.314	17.449	17.449	18.584	18.584
25°C	8.351	8.351	9.363	9.363	9.700	9.700	13.994	13.994	15.826	15.826	16.907	16.907	17.988	17.988
27°C	8.131	8.131	9.170	9.170	9.517	9.517	13.225	13.225	15.338	15.338	16.365	16.365	17.392	17.392
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYM60CXV1 - RY61DXY1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
1290	16°C	21°C	15.99	9.94	5.57	15.41	9.69	5.58	14.83	9.43	5.69	14.22	9.17	5.85	13.58	8.90	6.22	12.79	8.56	6.74
		24°C	16.06	12.07	5.57	15.47	11.80	5.59	14.89	11.54	5.70	14.28	11.26	5.85	13.66	10.97	6.22	12.88	10.60	6.75
		27°C	16.25	13.94	5.58	15.72	13.60	5.60	15.20	13.23	5.72	14.66	12.84	5.88	14.12	12.39	6.26	13.45	11.82	6.80
		30°C	17.08	14.95	5.62	16.59	14.52	5.65	16.09	14.09	5.77	15.56	13.64	5.94	15.01	13.18	6.33	14.32	12.59	6.88
	19°C	24°C	17.60	9.90	5.64	16.97	9.66	5.67	16.33	9.41	5.79	15.67	9.16	5.95	14.99	8.90	6.33	14.13	8.58	6.86
		27°C	17.66	12.08	5.64	17.02	11.82	5.67	16.39	11.56	5.79	15.73	11.29	5.95	15.04	11.02	6.33	14.18	10.68	6.87
		30°C	17.73	14.13	5.65	17.10	13.84	5.67	16.49	13.56	5.80	15.86	13.24	5.96	15.21	12.91	6.35	14.42	12.46	6.89
		33°C	18.09	15.75	5.66	17.56	15.35	5.70	17.03	14.92	5.83	16.49	14.45	6.01	15.92	13.97	6.41	15.21	13.37	6.97
	22°C	27°C	19.32	9.81	5.72	18.63	9.57	5.76	17.94	9.33	5.89	17.23	9.09	6.06	16.49	8.84	6.46	15.57	8.53	7.00
		30°C	19.36	12.03	5.73	18.68	11.77	5.76	17.98	11.52	5.90	17.27	11.26	6.07	16.53	10.99	6.46	15.61	10.66	7.01
		33°C	19.42	14.11	5.73	18.73	13.85	5.77	18.04	13.59	5.90	17.32	13.32	6.07	16.59	13.05	6.47	15.69	12.69	7.01
		36°C	19.55	16.05	5.73	18.88	15.74	5.78	18.23	15.43	5.91	17.58	15.08	6.09	16.92	14.68	6.49	16.13	14.13	7.06
1430	16°C	21°C	16.41	10.47	5.60	15.81	10.20	5.61	15.20	9.93	5.72	14.58	9.65	5.88	13.93	9.36	6.25	13.11	8.99	6.78
		24°C	16.48	12.71	5.60	15.87	12.43	5.61	15.27	12.14	5.73	14.64	11.85	5.88	14.00	11.54	6.26	13.20	11.13	6.79
		27°C	16.67	14.69	5.61	16.13	14.32	5.63	15.58	13.93	5.75	15.03	13.51	5.91	14.48	13.03	6.29	13.79	12.42	6.84
		30°C	17.53	15.75	5.65	17.02	15.29	5.67	16.50	14.83	5.80	15.96	14.35	5.97	15.39	13.86	6.37	14.69	13.23	6.92
	19°C	24°C	18.06	10.43	5.67	17.41	10.17	5.69	16.75	9.91	5.82	16.07	9.63	5.98	15.36	9.36	6.36	14.49	9.01	6.90
		27°C	18.12	12.73	5.67	17.46	12.44	5.70	16.80	12.17	5.82	16.12	11.88	5.98	15.42	11.58	6.37	14.54	11.22	6.91
		30°C	18.20	14.88	5.68	17.54	14.58	5.70	16.91	14.27	5.83	16.26	13.93	5.99	15.59	13.57	6.38	14.78	13.09	6.93
		33°C	18.57	16.60	5.69	18.01	16.17	5.73	17.46	15.70	5.86	16.91	15.20	6.04	16.32	14.69	6.44	15.60	14.05	7.01
	22°C	27°C	19.82	10.33	5.75	19.11	10.08	5.79	18.40	9.83	5.92	17.66	9.56	6.10	16.90	9.29	6.49	15.96	8.96	7.04
		30°C	19.87	12.67	5.75	19.16	12.40	5.79	18.44	12.12	5.93	17.71	11.84	6.10	16.95	11.56	6.49	16.01	11.20	7.04
		33°C	19.93	14.86	5.76	19.21	14.58	5.80	18.49	14.31	5.93	17.76	14.02	6.11	17.01	13.72	6.50	16.08	13.33	7.05
		36°C	20.06	16.91	5.76	19.37	16.58	5.81	18.70	16.24	5.94	18.02	15.86	6.12	17.35	15.43	6.53	16.54	14.85	7.10
1530	16°C	21°C	16.70	10.86	5.62	16.09	10.58	5.63	15.47	10.30	5.74	14.83	10.00	5.90	14.17	9.70	6.27	13.34	9.31	6.80
		24°C	16.78	13.19	5.62	16.15	12.89	5.64	15.54	12.59	5.75	14.90	12.27	5.90	14.25	11.95	6.28	13.43	11.52	6.81
		27°C	16.97	15.24	5.63	16.41	14.85	5.65	15.86	14.44	5.77	15.30	14.00	5.93	14.73	13.50	6.32	14.03	12.85	6.86
		30°C	17.84	16.34	5.67	17.32	15.86	5.70	16.79	15.38	5.82	16.24	14.87	5.99	15.67	14.35	6.39	14.94	13.69	6.94
	19°C	24°C	18.38	10.82	5.69	17.72	10.55	5.72	17.05	10.27	5.84	16.35	9.98	6.00	15.64	9.69	6.39	14.74	9.32	6.92
		27°C	18.44	13.20	5.69	17.77	12.91	5.72	17.10	12.61	5.84	16.41	12.31	6.01	15.69	11.99	6.39	14.80	11.61	6.93
		30°C	18.53	15.44	5.70	17.86	15.12	5.72	17.21	14.79	5.85	16.55	14.44	6.01	15.87	14.06	6.40	15.04	13.55	6.95
		33°C	18.90	17.22	5.71	18.33	16.76	5.75	17.77	16.28	5.89	17.21	15.76	6.06	16.61	15.21	6.47	15.87	14.54	7.03
	22°C	27°C	20.18	10.72	5.77	19.45	10.46	5.81	18.73	10.19	5.95	17.98	9.91	6.12	17.20	9.62	6.51	16.24	9.27	7.06
		30°C	20.23	13.15	5.78	19.50	12.86	5.82	18.77	12.57	5.95	18.02	12.27	6.12	17.25	11.97	6.52	16.29	11.59	7.07
		33°C	20.28	15.42	5.78	19.56	15.12	5.82	18.83	14.83	5.95	18.07	14.53	6.13	17.31	14.21	6.52	16.37	13.80	7.08
		36°C	20.42	17.55	5.78	19.71	17.20	5.83	19.03	16.83	5.97	18.34	16.44	6.15	17.66	15.98	6.55	16.83	15.37	7.12
1650	16°C	21°C	16.90	11.13	5.63	16.28	10.84	5.64	15.66	10.54	5.76	15.01	10.24	5.91	14.34	9.92	6.29	13.50	9.52	6.82
		24°C	16.97	13.52	5.63	16.34	13.20	5.65	15.72	12.89	5.76	15.08	12.56	5.92	14.42	12.23	6.29	13.59	11.79	6.82
		27°C	17.17	15.61	5.64	16.61	15.21	5.66	16.05	14.79	5.78	15.48	14.33	5.94	14.91	13.81	6.33	14.20	13.15	6.88
		30°C	18.05	16.74	5.68	17.52	16.25	5.71	16.99	15.75	5.84	16.43	15.22	6.01	15.85	14.68	6.40	15.12	14.00	6.96
	19°C	24°C	18.60	11.09	5.70	17.92	10.80	5.73	17.24	10.52	5.85	16.55	10.22	6.01	15.82	9.91	6.40	14.92	9.54	6.94
		27°C	18.66	13.53	5.70	17.98	13.22	5.73	17.30	12.92	5.86	16.60	12.60	6.02	15.87	12.28	6.40	14.97	11.87	6.95
		30°C	18.74	15.82	5.71	18.07	15.49	5.74	17.41	15.15	5.86	16.74	14.78	6.03	16.05	14.39	6.42	15.22	13.86	6.97
		33°C	19.12	17.64	5.73	18.54	17.17	5.76	17.98	16.67	5.90	17.41	16.13	6.08	16.81	15.57	6.48	16.06	14.87	7.05
	22°C	27°C	20.41	10.98	5.79	19.68	10.71	5.83	18.94	10.43	5.96	18.19	10.14	6.13	17.40	9.85	6.53	16.43	9.48	7.08
		30°C	20.46	13.47	5.79	19.73	13.17	5.83	18.99	12.87	5.96	18.23	12.56	6.14	17.45	12.25	6.53	16.48	11.86	7.08
		33°C	20.52	15.80	5.79	19.79	15.49	5.83	19.04	15.19	5.97	18.29	14.87	6.14	17.52	14.54	6.54	16.56	14.11	7.09
		36°C	20.66	17.98	5.80	19.95	17.61	5.84	19.25	17.24	5.98	18.56	16.82	6.16	17.86	16.35	6.57	17.03	15.72	7.14

Model: FDYM60CXV1 - RY61DXY1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	9.190	9.190	10.827	10.827	11.373	11.373	17.377	17.377	20.653	20.653	22.290	22.290	23.928	23.928
17°C	9.126	9.126	10.660	10.660	11.171	11.171	17.056	17.056	20.097	20.097	21.672	21.672	23.248	23.248
19°C	9.062	9.062	10.493	10.493	10.970	10.970	16.734	16.734	19.542	19.542	21.055	21.055	22.567	22.567
21°C	8.998	8.998	10.325	10.325	10.768	10.768	16.413	16.413	18.987	18.987	20.437	20.437	21.887	21.887
23°C	8.822	8.822	10.130	10.130	10.566	10.566	15.867	15.867	18.431	18.431	19.819	19.819	21.207	21.207
25°C	8.646	8.646	9.935	9.935	10.364	10.364	15.322	15.322	17.876	17.876	19.202	19.202	20.527	20.527
27°C	8.470	8.470	9.740	9.740	10.163	10.163	14.777	14.777	17.321	17.321	18.584	18.584	19.847	19.847
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

Model: FDYB60CXV1 - RY61DXY1

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
1470	16°C	21°C	15.48	10.95	4.47	14.93	10.67	4.84	14.37	10.38	5.24	13.80	10.08	5.68	12.67	9.38	6.16	11.70	8.83	6.79
		24°C	15.50	13.12	4.47	14.95	12.82	4.84	14.39	12.52	5.24	13.82	12.21	5.68	12.70	11.40	6.16	11.74	10.76	6.79
		27°C	15.62	14.87	4.48	15.10	14.53	4.84	14.57	14.19	5.25	14.02	13.83	5.69	12.94	12.87	6.18	12.04	12.04	6.82
		30°C	16.10	16.10	4.50	15.64	15.64	4.87	15.16	15.16	5.28	14.68	14.68	5.74	13.60	13.60	6.23	12.73	12.73	6.88
	19°C	24°C	17.07	10.23	4.54	16.47	9.97	4.92	15.87	9.70	5.33	15.24	9.43	5.78	14.01	8.78	6.27	12.95	8.27	6.91
		27°C	17.08	11.70	4.54	16.48	11.44	4.92	15.88	11.18	5.33	15.25	10.90	5.78	14.02	10.20	6.27	12.96	9.66	6.91
		30°C	17.11	14.44	4.54	16.52	14.13	4.92	15.93	13.82	5.33	15.33	13.49	5.78	14.11	12.61	6.28	13.10	11.93	6.92
		33°C	17.31	17.31	4.55	16.75	16.75	4.93	16.21	16.21	5.35	15.65	15.65	5.81	14.48	14.48	6.31	13.54	13.54	6.96
	22°C	27°C	18.78	10.01	4.62	18.13	9.77	5.01	17.47	9.52	5.43	16.79	9.26	5.89	15.44	8.63	6.39	14.29	8.14	7.04
		30°C	18.79	12.20	4.62	18.14	11.94	5.01	17.47	11.67	5.43	16.79	11.39	5.89	15.44	10.66	6.39	14.29	10.11	7.04
		33°C	18.80	14.25	4.62	18.15	13.97	5.01	17.49	13.70	5.43	16.80	13.41	5.89	15.46	12.59	6.39	14.33	11.96	7.05
		36°C	18.86	16.15	4.63	18.24	15.83	5.02	17.60	15.50	5.44	16.96	15.16	5.90	15.64	14.21	6.41	14.54	13.48	7.06
1520	16°C	21°C	16.10	11.42	4.51	15.52	11.12	4.88	14.93	10.83	5.28	14.32	10.52	5.73	13.14	9.80	6.21	12.12	9.22	6.85
		24°C	16.15	13.86	4.51	15.57	13.54	4.88	14.99	13.21	5.29	14.38	12.88	5.73	13.21	12.02	6.22	12.21	11.34	6.86
		27°C	16.34	15.74	4.52	15.79	15.38	4.89	15.25	14.98	5.30	14.70	14.53	5.75	13.57	13.50	6.25	12.65	12.63	6.89
		30°C	17.02	17.02	4.56	16.53	16.53	4.93	16.03	16.03	5.35	15.51	15.51	5.81	14.37	14.37	6.31	13.43	13.43	6.97
	19°C	24°C	17.74	10.80	4.58	17.11	10.53	4.96	16.46	10.26	5.38	15.80	9.98	5.83	14.51	9.30	6.32	13.41	8.76	6.97
		27°C	17.77	12.44	4.59	17.13	12.17	4.96	16.49	11.89	5.38	15.83	11.61	5.83	14.55	10.85	6.33	13.45	10.28	6.97
		30°C	17.85	15.35	4.59	17.23	15.02	4.97	16.61	14.68	5.39	15.98	14.32	5.84	14.71	13.39	6.34	13.65	12.65	6.99
		33°C	18.15	18.15	4.61	17.60	17.60	4.99	17.04	17.04	5.41	16.47	16.47	5.88	15.26	15.26	6.39	14.26	14.26	7.05
	22°C	27°C	19.49	10.58	4.67	18.80	10.33	5.06	18.10	10.07	5.48	17.38	9.80	5.95	15.98	9.14	6.45	14.78	8.62	7.10
		30°C	19.51	12.98	4.67	18.82	12.71	5.06	18.12	12.43	5.48	17.40	12.14	5.95	16.00	11.37	6.45	14.80	10.79	7.11
		33°C	19.55	15.21	4.67	18.87	14.92	5.06	18.18	14.61	5.49	17.46	14.30	5.95	16.06	13.42	6.46	14.89	12.74	7.12
		36°C	19.67	17.19	4.68	19.03	16.87	5.07	18.37	16.52	5.50	17.70	16.13	5.97	16.33	15.10	6.48	15.23	14.24	7.15
1620	16°C	21°C	16.70	11.91	4.55	16.08	11.61	4.92	15.47	11.31	5.33	14.82	10.99	5.77	13.60	10.23	6.26	12.53	9.63	6.90
		24°C	16.78	14.48	4.55	16.17	14.13	4.92	15.56	13.79	5.33	14.93	13.43	5.78	13.72	12.53	6.27	12.67	11.81	6.91
		27°C	17.05	16.59	4.57	16.50	16.16	4.94	15.94	15.71	5.36	15.37	15.22	5.81	14.20	14.10	6.31	13.23	13.17	6.96
		30°C	17.91	17.91	4.61	17.38	17.38	4.99	16.85	16.85	5.41	16.29	16.29	5.88	15.09	15.09	6.38	14.09	14.09	7.05
	19°C	24°C	18.38	11.43	4.62	17.71	11.15	5.00	17.04	10.86	5.42	16.34	10.57	5.88	15.00	9.85	6.37	13.85	9.29	7.02
		27°C	18.43	13.22	4.63	17.77	12.92	5.01	17.10	12.62	5.43	16.41	12.31	5.88	15.07	11.51	6.38	13.93	10.89	7.03
		30°C	18.58	16.27	4.63	17.92	15.92	5.02	17.28	15.55	5.44	16.62	15.16	5.90	15.30	14.16	6.40	14.21	13.35	7.06
		33°C	18.98	18.98	4.66	18.43	18.43	5.05	17.86	17.86	5.48	17.27	17.27	5.95	16.00	16.00	6.46	14.96	14.96	7.13
	22°C	27°C	20.16	11.18	4.71	19.45	10.93	5.10	18.72	10.66	5.53	17.96	10.38	6.00	16.50	9.69	6.50	15.25	9.15	7.16
		30°C	20.21	13.78	4.71	19.49	13.52	5.10	18.75	13.23	5.53	18.00	12.93	6.00	16.54	12.10	6.51	15.30	11.47	7.17
		33°C	20.28	16.15	4.72	19.57	15.87	5.11	18.85	15.54	5.54	18.11	15.19	6.01	16.66	14.24	6.52	15.44	13.51	7.18
		36°C	20.46	18.24	4.73	19.82	17.90	5.13	19.13	17.51	5.56	18.44	17.08	6.03	17.04	15.93	6.55	15.90	15.00	7.23
1700	16°C	21°C	16.69	12.02	4.59	16.10	11.73	4.94	15.52	11.44	5.35	14.90	11.14	5.81	13.69	10.38	6.33	12.65	9.78	7.04
		24°C	16.75	14.69	4.59	16.15	14.38	4.95	15.57	14.06	5.35	14.97	13.73	5.81	13.76	12.84	6.34	12.75	12.11	7.04
		27°C	17.02	16.85	4.61	16.50	16.42	4.96	15.97	15.97	5.37	15.44	15.44	5.84	14.30	14.30	6.37	13.36	13.36	7.09
		30°C	17.94	17.94	4.65	17.44	17.44	5.01	16.94	16.94	5.43	16.41	16.41	5.90	15.22	15.22	6.44	14.25	14.25	7.16
	19°C	24°C	18.37	11.52	4.67	17.73	11.25	5.03	17.10	10.98	5.44	16.44	10.70	5.91	15.12	9.99	6.43	13.99	9.44	7.14
		27°C	18.42	13.36	4.67	17.78	13.08	5.03	17.14	12.81	5.44	16.48	12.52	5.91	15.16	11.74	6.44	14.03	11.15	7.15
		30°C	18.51	16.60	4.68	17.89	16.25	5.04	17.29	15.90	5.45	16.67	15.52	5.92	15.38	14.51	6.45	14.33	13.67	7.17
		33°C	19.00	19.00	4.70	18.46	18.46	5.07	17.94	17.94	5.49	17.40	17.40	5.97	16.16	16.16	6.51	15.15	15.15	7.24
	22°C	27°C	20.19	11.30	4.76	19.49	11.04	5.13	18.81	10.79	5.54	18.10	10.52	6.01	16.66	9.83	6.55	15.44	9.30	7.26
		30°C	20.23	13.98	4.76	19.54	13.69	5.13	18.85	13.41	5.55	18.13	13.12	6.02	16.70	12.30	6.55	15.48	11.70	7.26
		33°C	20.28	16.47	4.76	19.58	16.18	5.13	18.89	15.89	5.55	18.19	15.57	6.02	16.76	14.64	6.55	15.58	13.90	7.27
		36°C	20.47	18.66	4.77	19.82	18.29	5.14	19.18	17.91	5.57	18.56	17.47	6.05	17.19	16.33	6.59	16.08	15.41	7.31

Model: FDYB60CXV1 - RY61DXY1**Heating Mode**

ID DB	Outdoor WB													
	-9°C		-6°C		-5°C		6°C		12°C		15°C		18°C	
	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)	TC (kW)	SC (kW)
15°C	9.190	9.190	10.827	10.827	11.373	11.373	17.377	17.377	20.653	20.653	22.290	22.290	23.928	23.928
17°C	9.126	9.126	10.660	10.660	11.171	11.171	17.056	17.056	20.097	20.097	21.672	21.672	23.248	23.248
19°C	9.062	9.062	10.493	10.493	10.970	10.970	16.734	16.734	19.542	19.542	21.055	21.055	22.567	22.567
21°C	8.998	8.998	10.325	10.325	10.768	10.768	16.413	16.413	18.987	18.987	20.437	20.437	21.887	21.887
23°C	8.822	8.822	10.130	10.130	10.566	10.566	15.867	15.867	18.431	18.431	19.819	19.819	21.207	21.207
25°C	8.646	8.646	9.935	9.935	10.364	10.364	15.322	15.322	17.876	17.876	19.202	19.202	20.527	20.527
27°C	8.470	8.470	9.740	9.740	10.163	10.163	14.777	14.777	17.321	17.321	18.584	18.584	19.847	19.847
Frost Region														

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°C)

EDB: Entering Dry Bulb Temp. (°C)

TC: Total Cooling / Heating Capacity (kW)

SC: Sensible Cooling / Heating Capacity (kW)

PI: Power Input (kW)

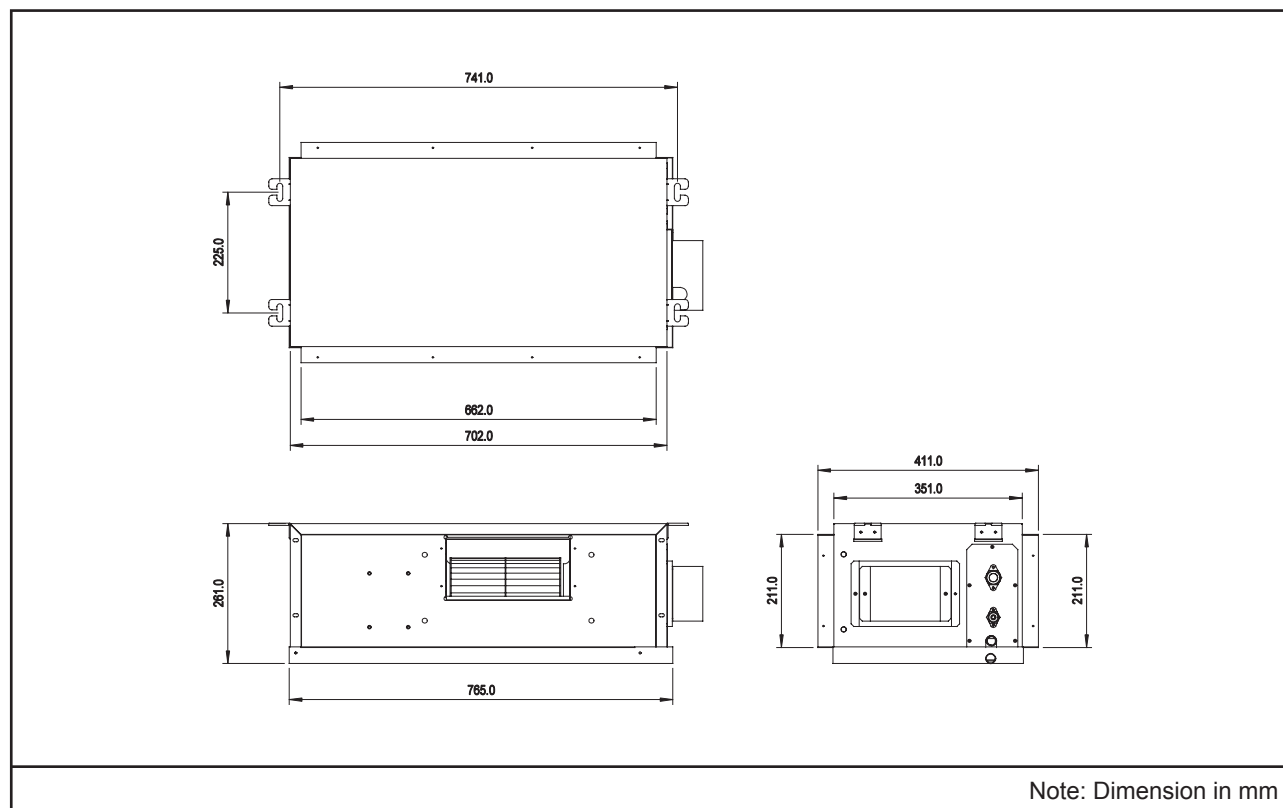
Notes:

1. Ratings shown are net capacities.
2. ■ shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 46°C DB (cooling) / -9°C to 18°C WB (heating) without pressure trip.

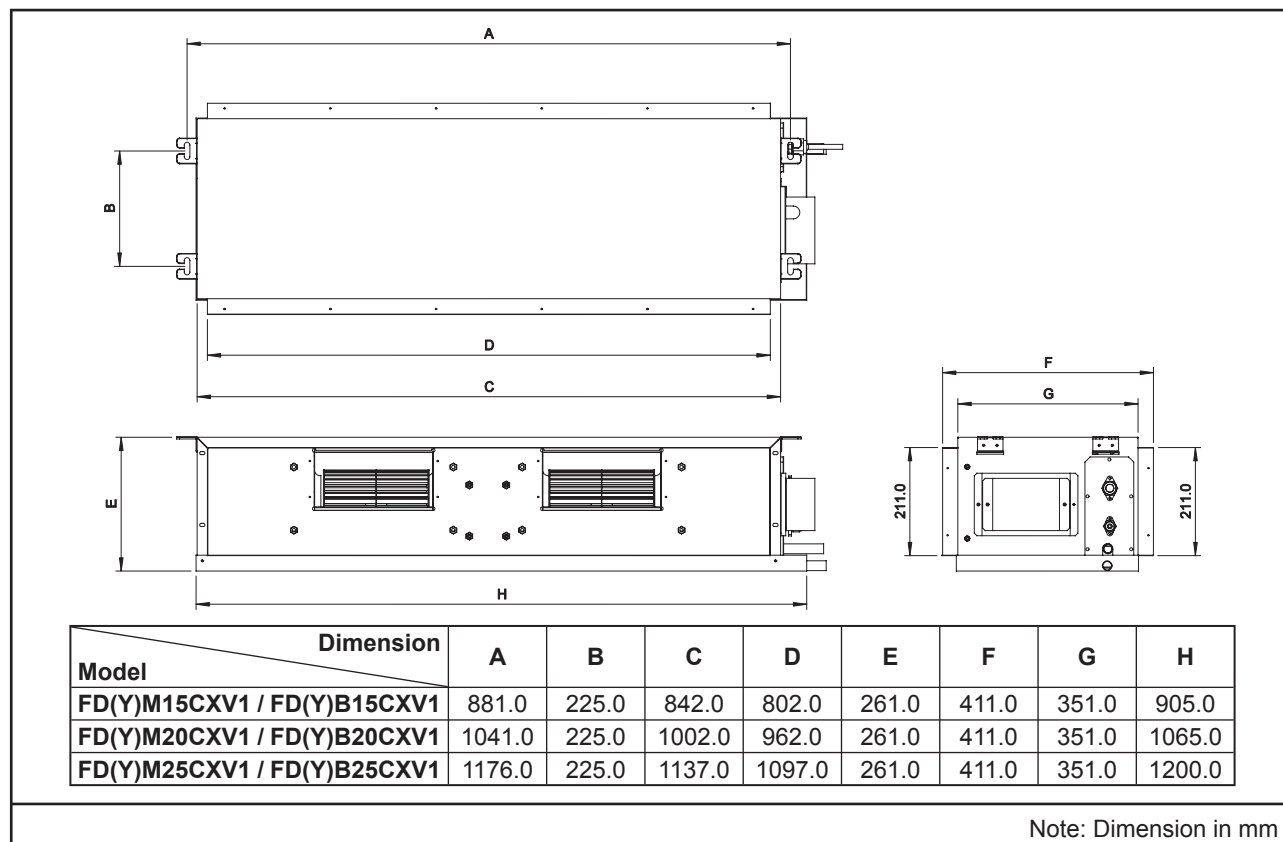
Outlines & Dimensions

Indoor Unit

Model: FD(Y)M10CXV1 / FD(Y)B10CXV1

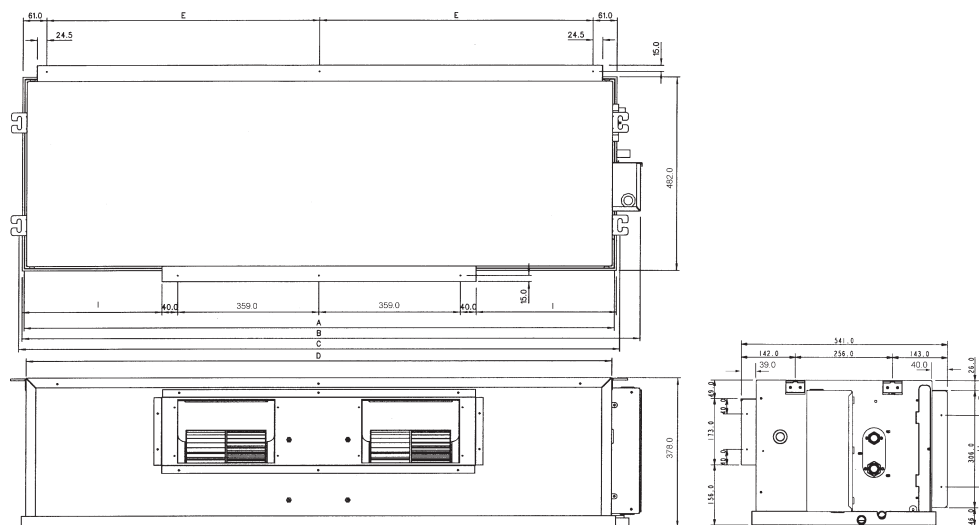


Model: FD(Y)M15/20/25CXV1 / FD(Y)B15/20/25CXV1



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Model: FD(Y)M30/40/50/60CXV1 / FD(Y)B30/40/50/60CXV1

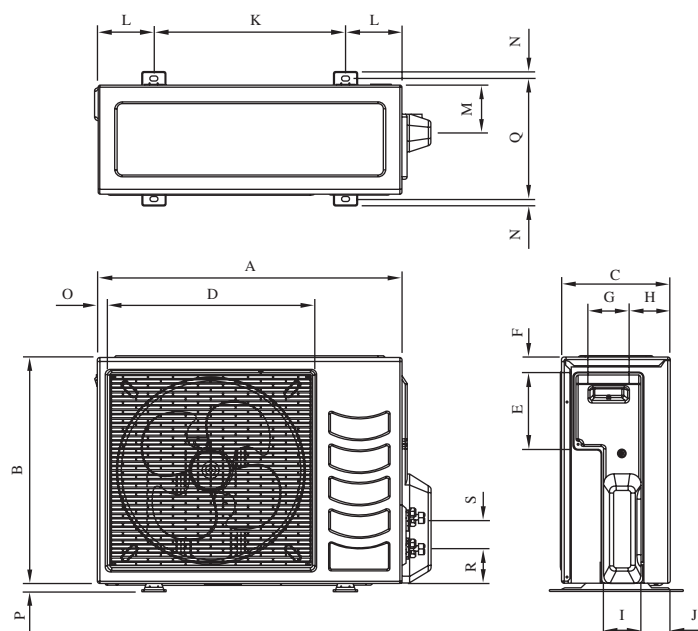


Model \ Dimension	A	B	C	D	E	F	G	H	I
FD(Y)M30CXV1 / FD(Y)B30CXV1	929.0	999.0	956.0	917.0	408.5	105.0	85.5	187.5	70.5
FD(Y)M40CXV1 / FD(Y)B40CXV1	1045.0	1115.0	1072.0	1033.0	466.5	105.0	85.5	187.5	128.5
FD(Y)M50CXV1 / FD(Y)B50CXV1	1299.0	1369.0	1326.0	1287.0	593.5	105.0	90.5	182.5	255.5
FD(Y)M60CXV1 / FD(Y)B60CXV1	1499.0	1569.0	1526.0	1487.0	693.5	100.0	90.5	187.5	355.5

Note: Dimension in mm

Outdoor Unit

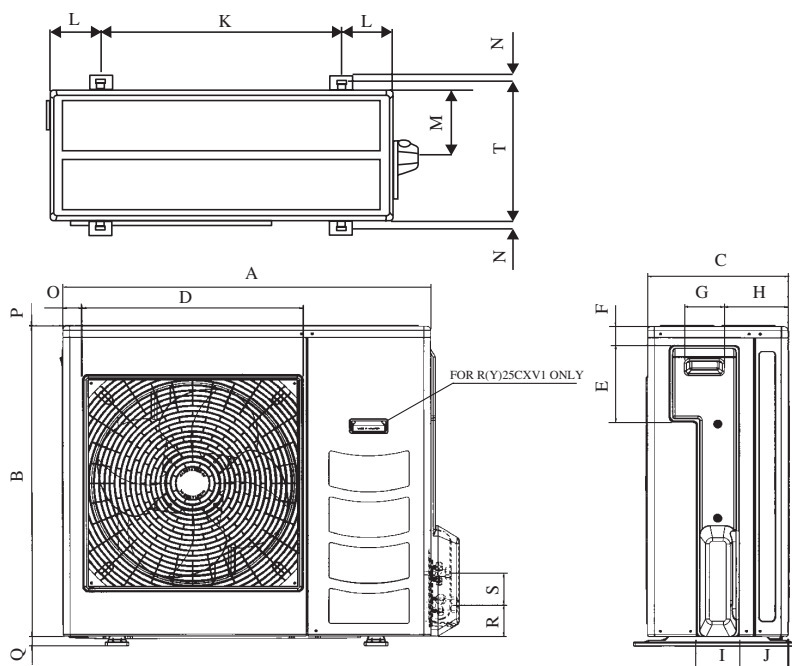
Model: R(Y)10/15CXV1



Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Model R(Y)10/15CXV1	700	521	250	478	175	36	95	94	86	68	440	130	110	15	21	19	278	80	65

Note: Dimension in mm

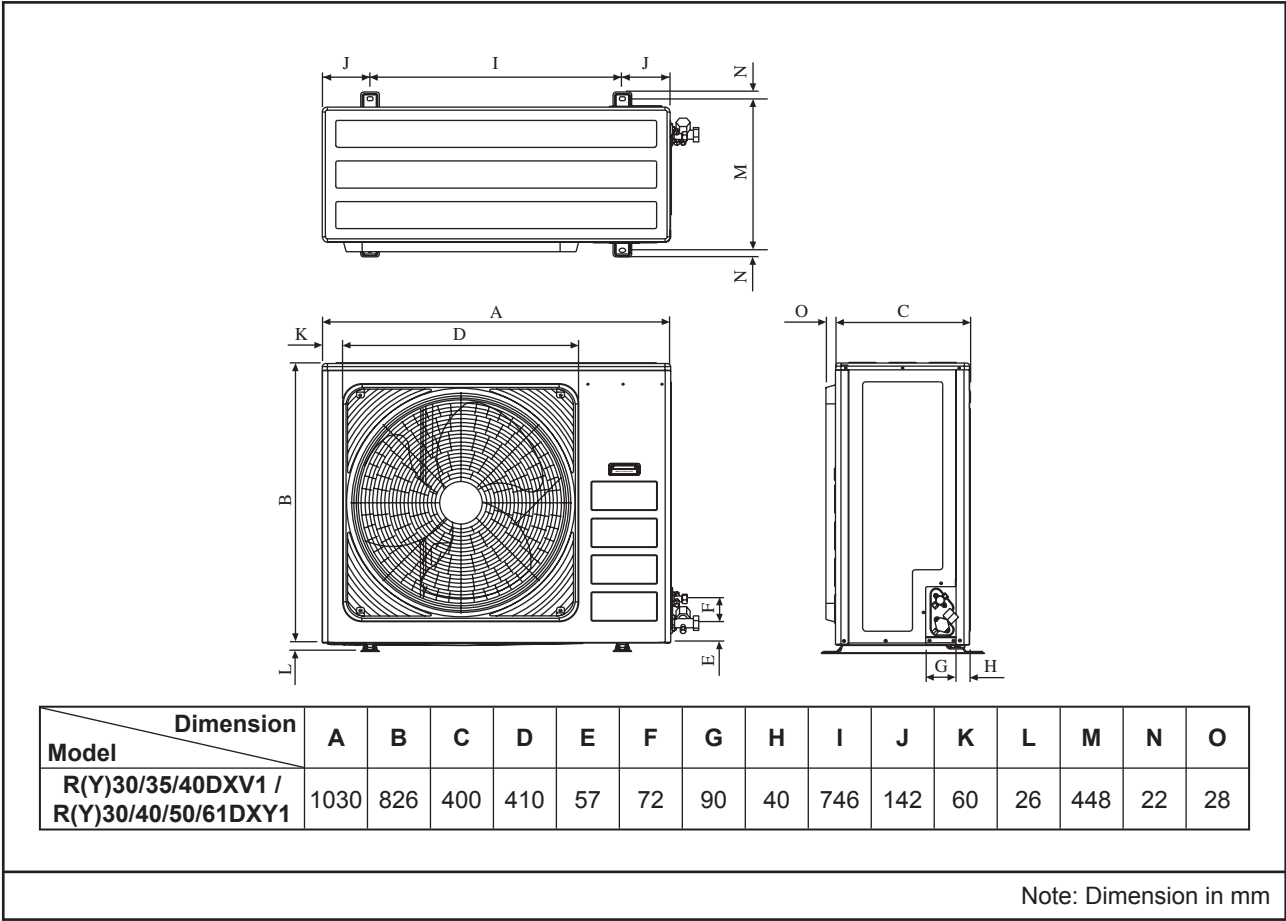
Model: R(Y)20/25CXV1



Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Model R(Y)20CXV1	855	628	328	508	181	44	93	149	101	113	603	126	164	15	49	3	23	73	75	362
Model R(Y)25CXV1	855	730	328	513	182	44	93	149	101	113	603	126	164	15	47	3	23	73	75	362

Note: Dimension in mm

Model: R(Y)30/35/40DXV1 / R(Y)30/40/50/61DXY1



Wiring Diagrams

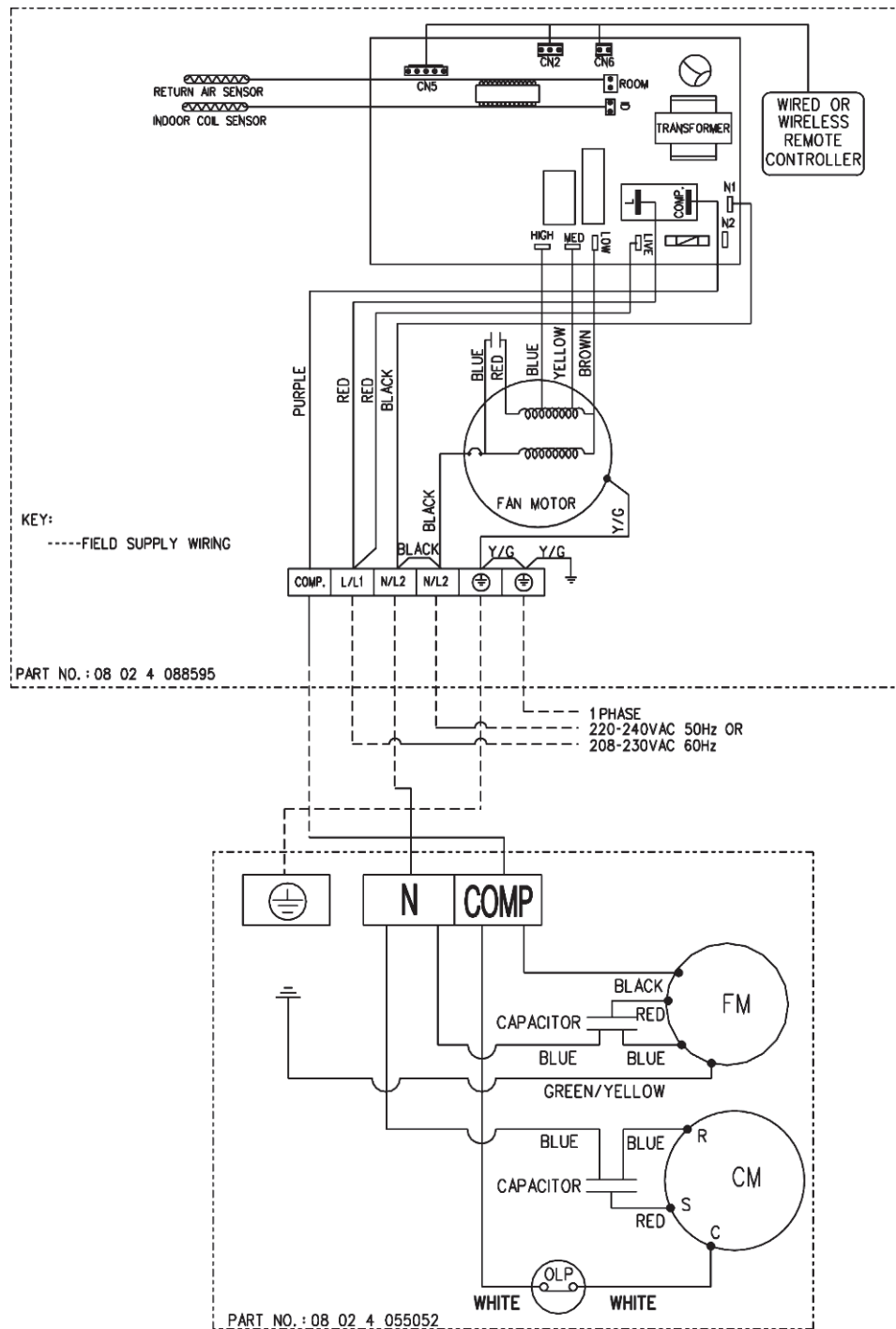
Cooling Only

Indoor Unit

Model: FDM10CXV1 / FDB10CXV1

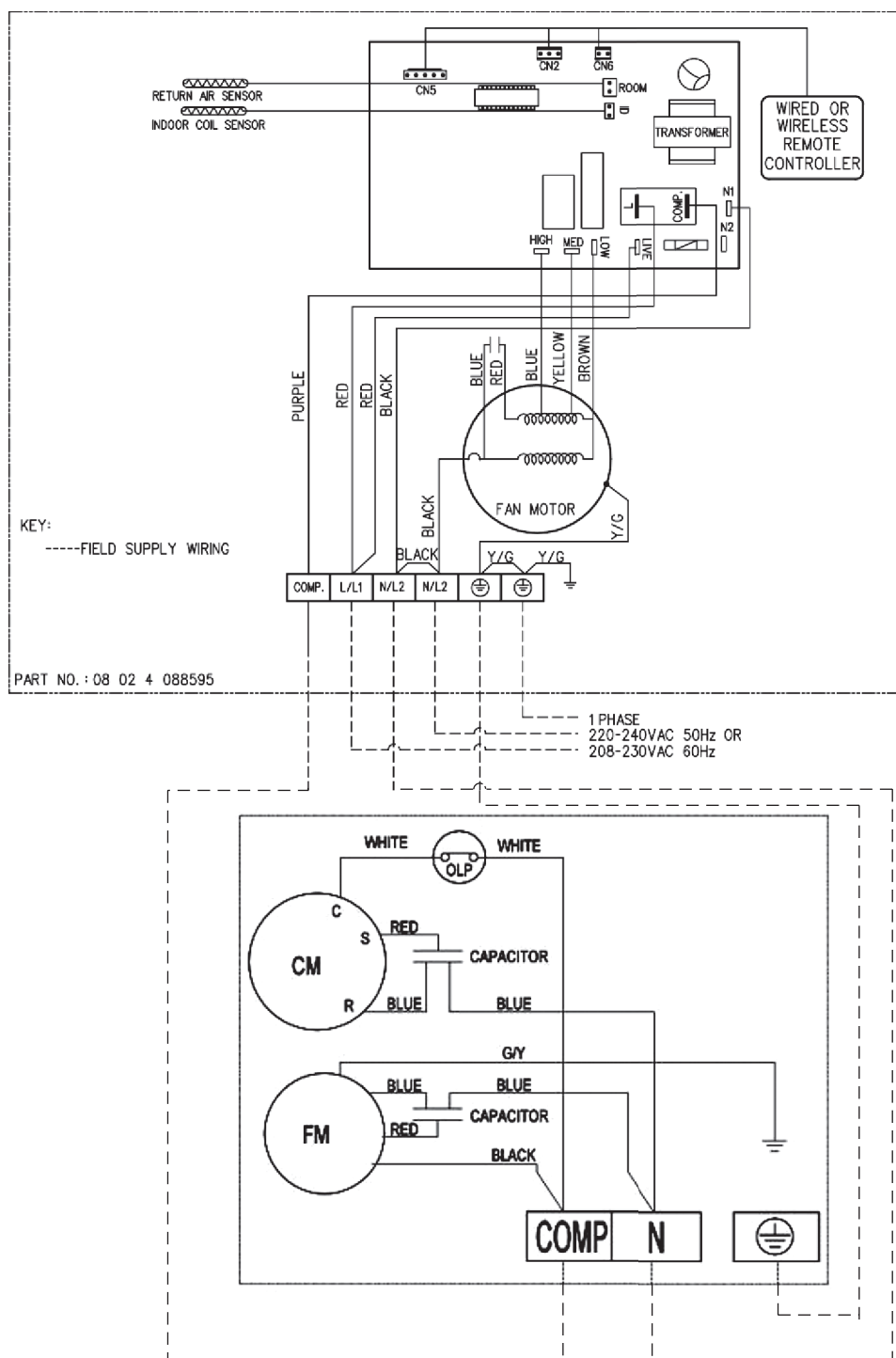
Outdoor Unit

Model: R10CXV1



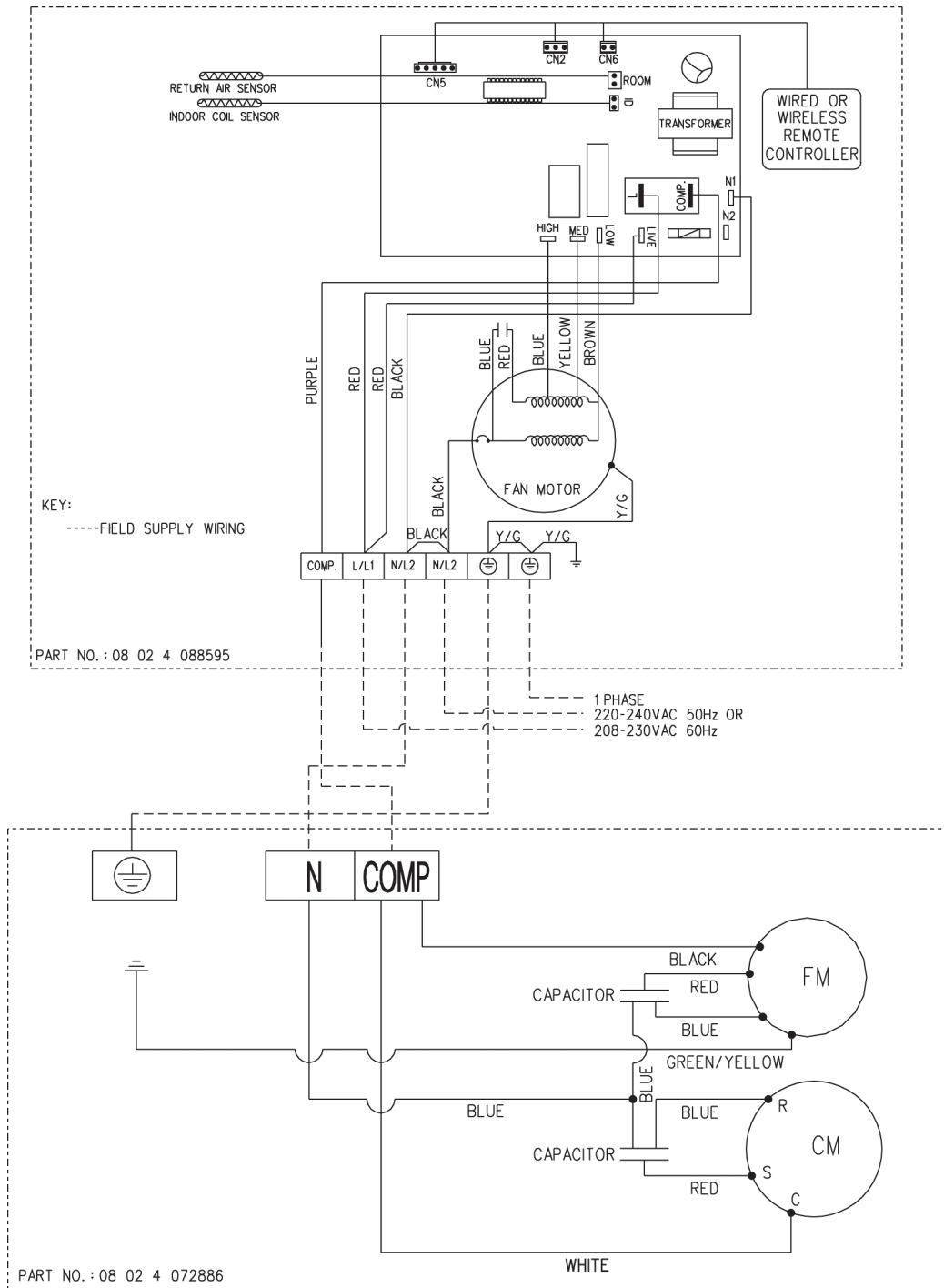
Indoor Unit
Model: FDM15CXV1 / FDB15CXV1

Outdoor Unit
Model: R15CXV1



Indoor Unit
Model: FDM20/25CXV1 / FDB20/25CXV1

Outdoor Unit
Model: R20/25CXV1

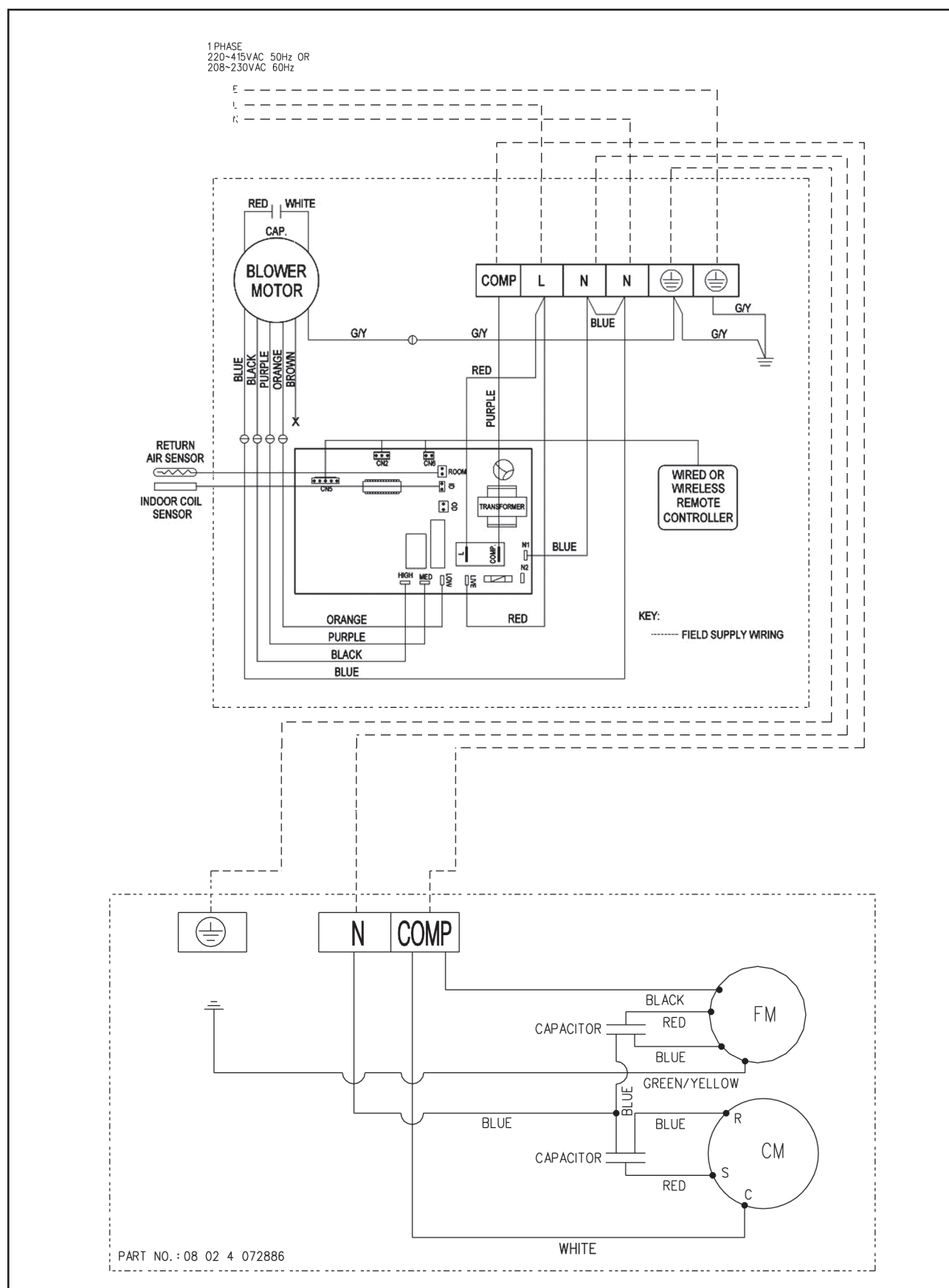


Indoor Unit

Model: FDM28/30CXV1 / FDB30CXV1

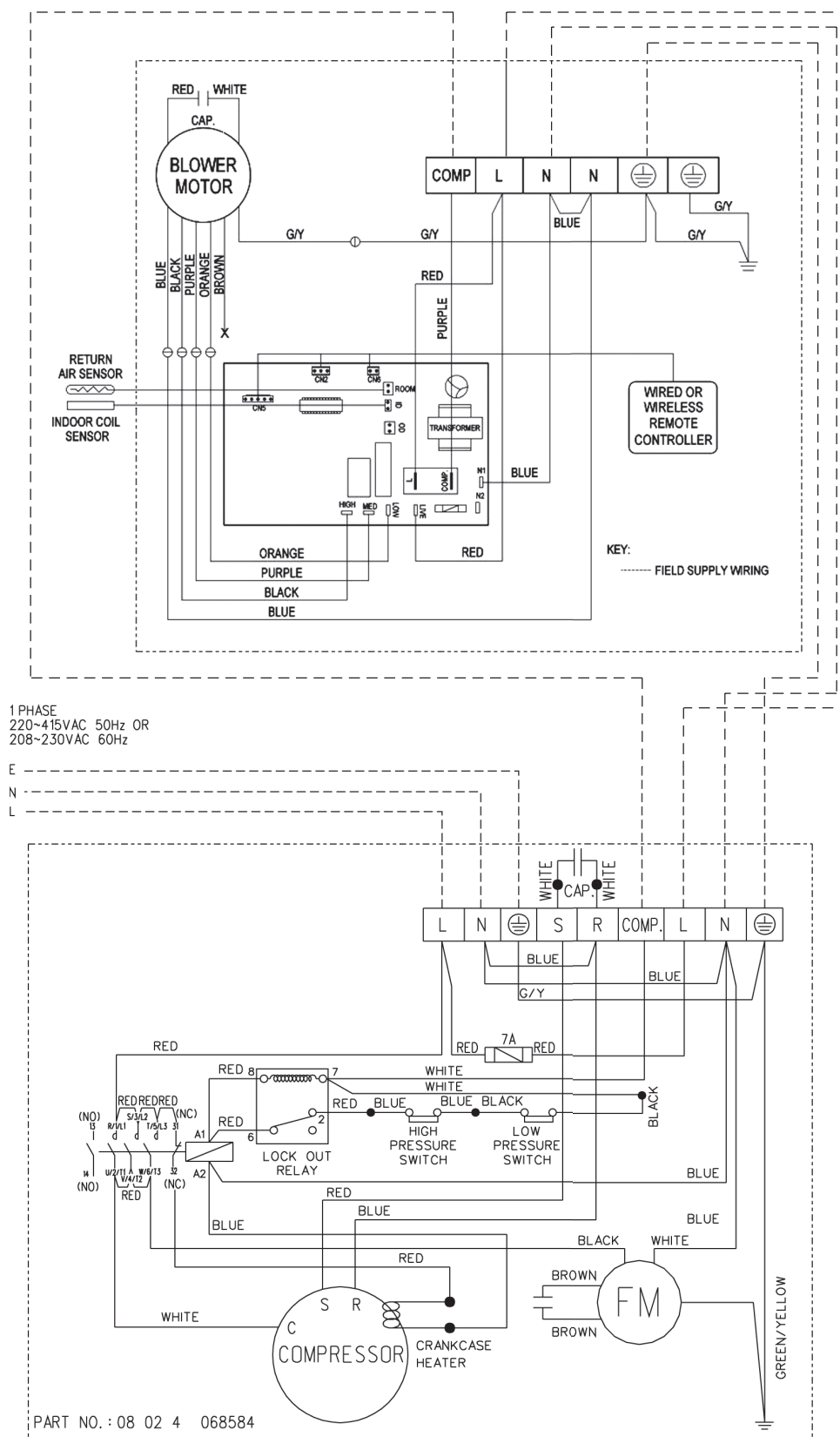
Outdoor Unit

Model: R28CXV1



Indoor Unit
Model: FDM28/30CXV1 / FDB30CXV1

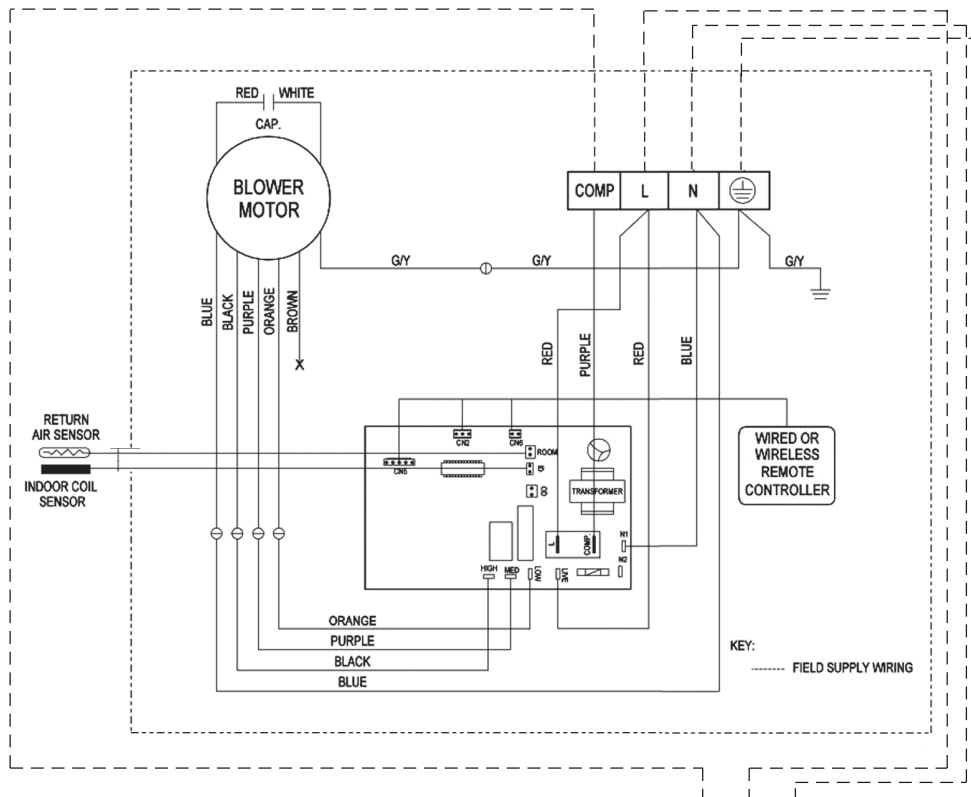
Outdoor Unit
Model: R30DXV1





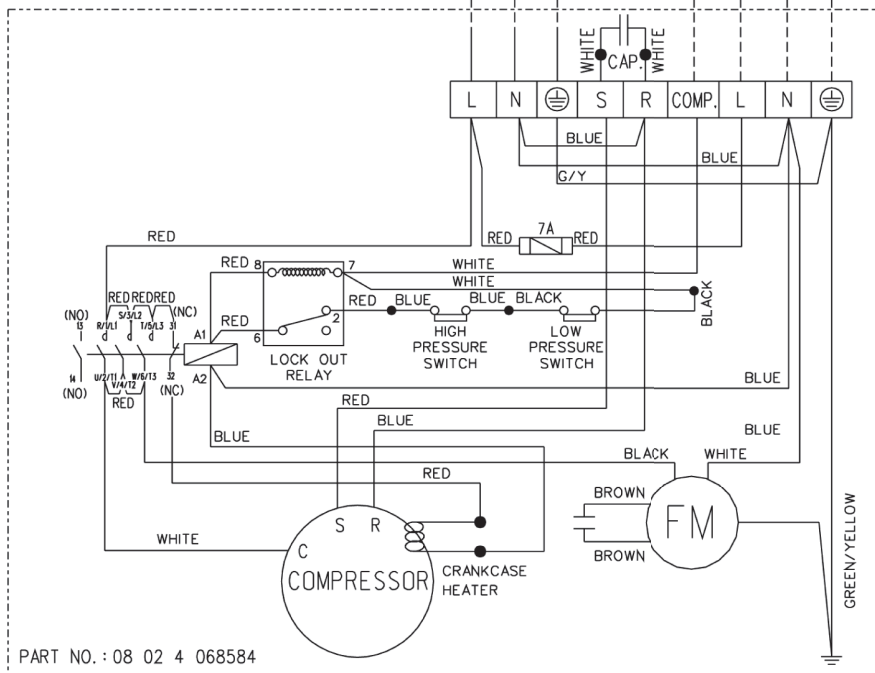
Indoor Unit
Model: FDM38/40CXV1 / FDB40CXV1

Outdoor Unit
Model: R35/40DXV1



1 PHASE
220~415VAC 50Hz OR
208~230VAC 60Hz

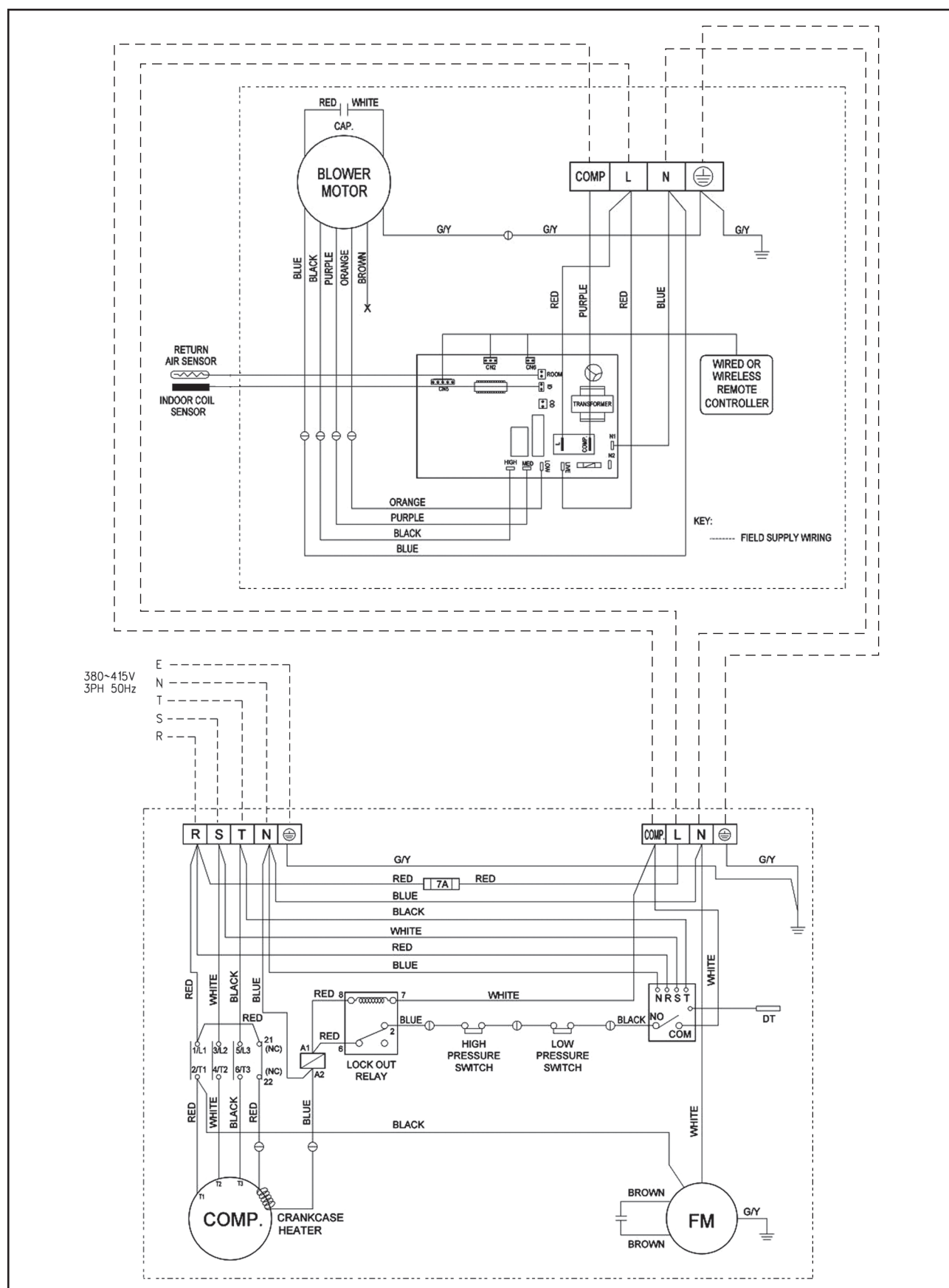
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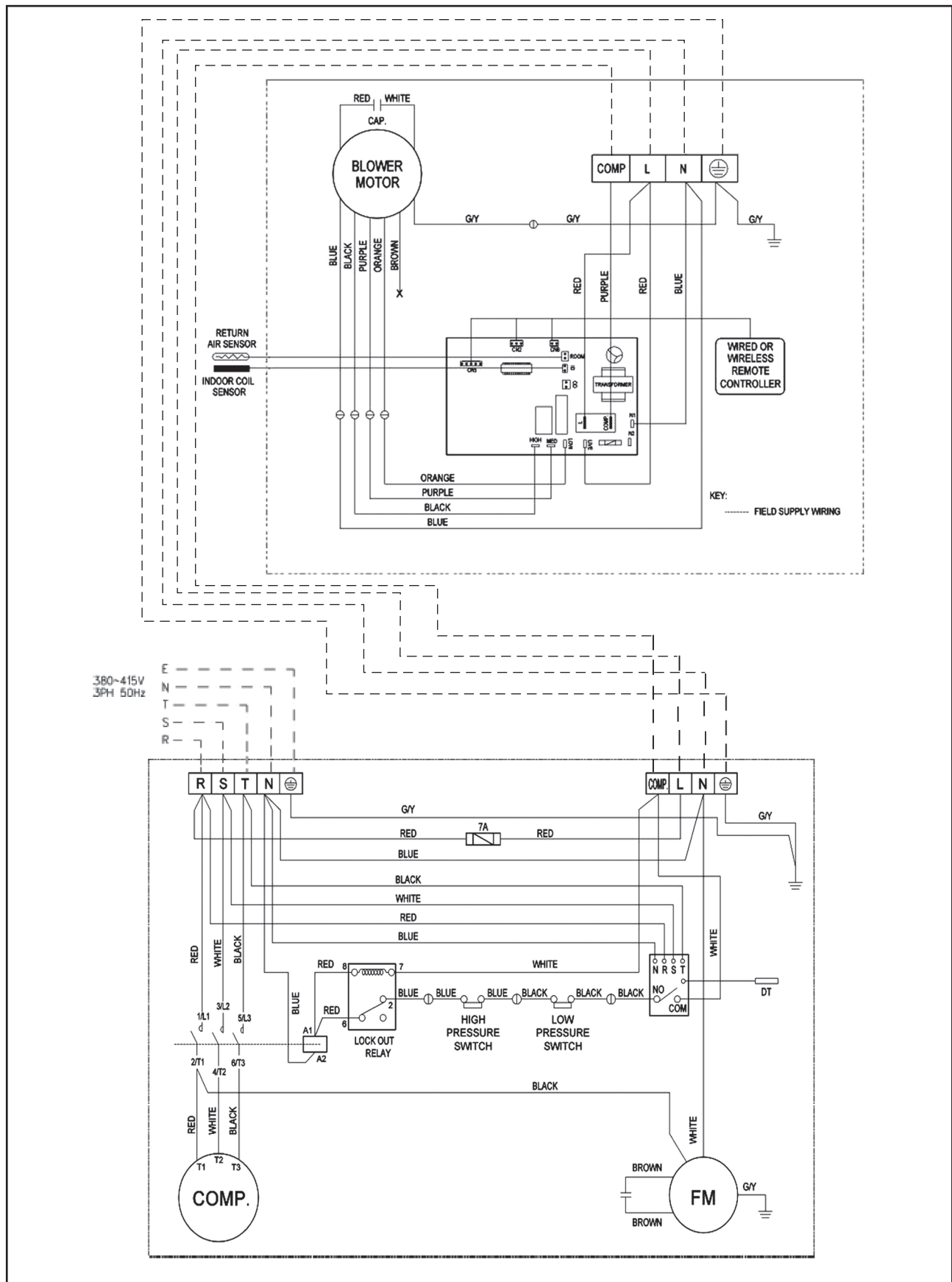
Indoor Unit
Model: FDM38/40/50CXV1 / FDB40/50CXV1

Outdoor Unit
Model: R40/50DXY1



Indoor Unit
Model: FDM60CXV1 / FDB60CXV1

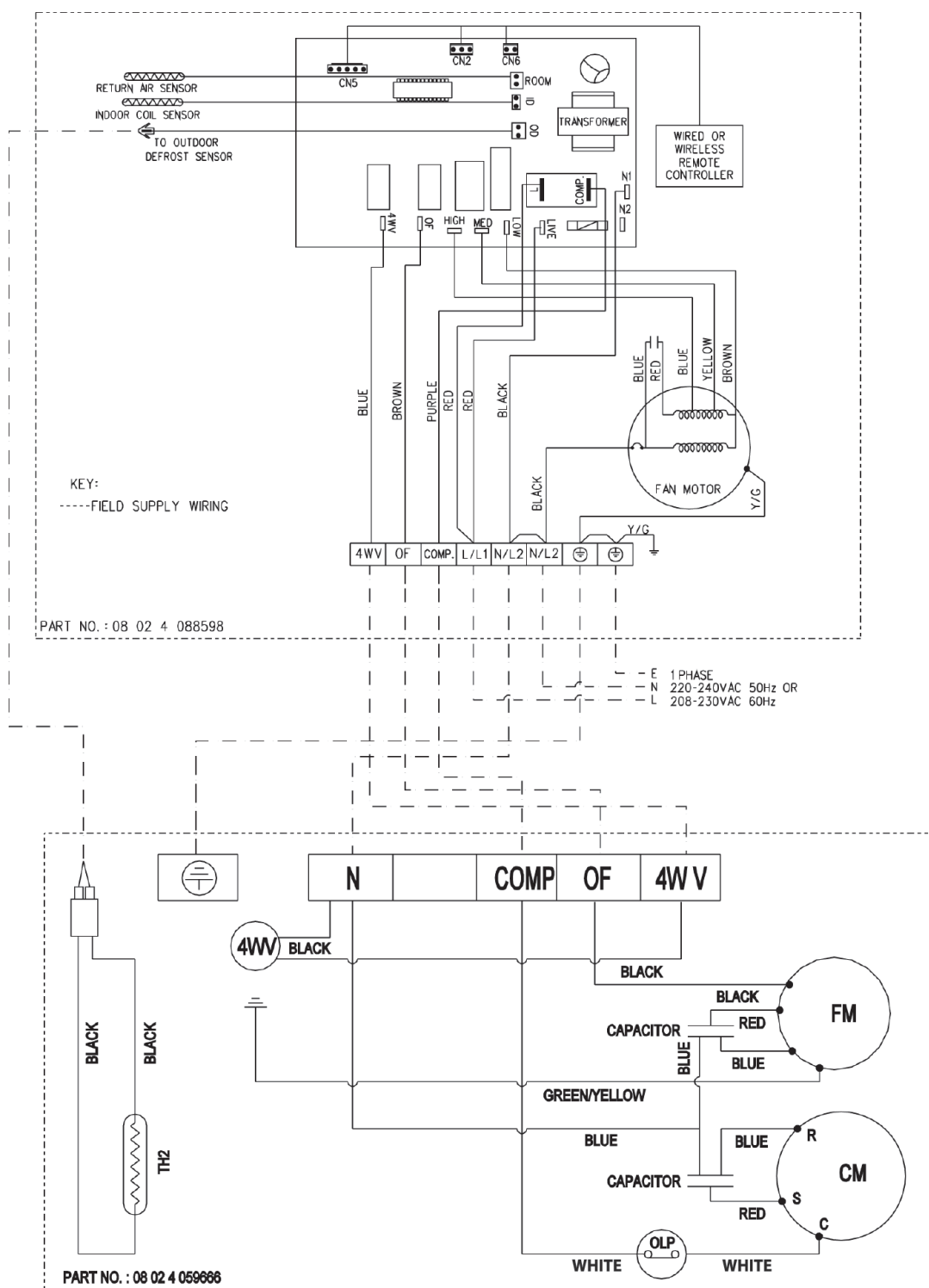
Outdoor Unit
Model: R61DXY1



Heatpump

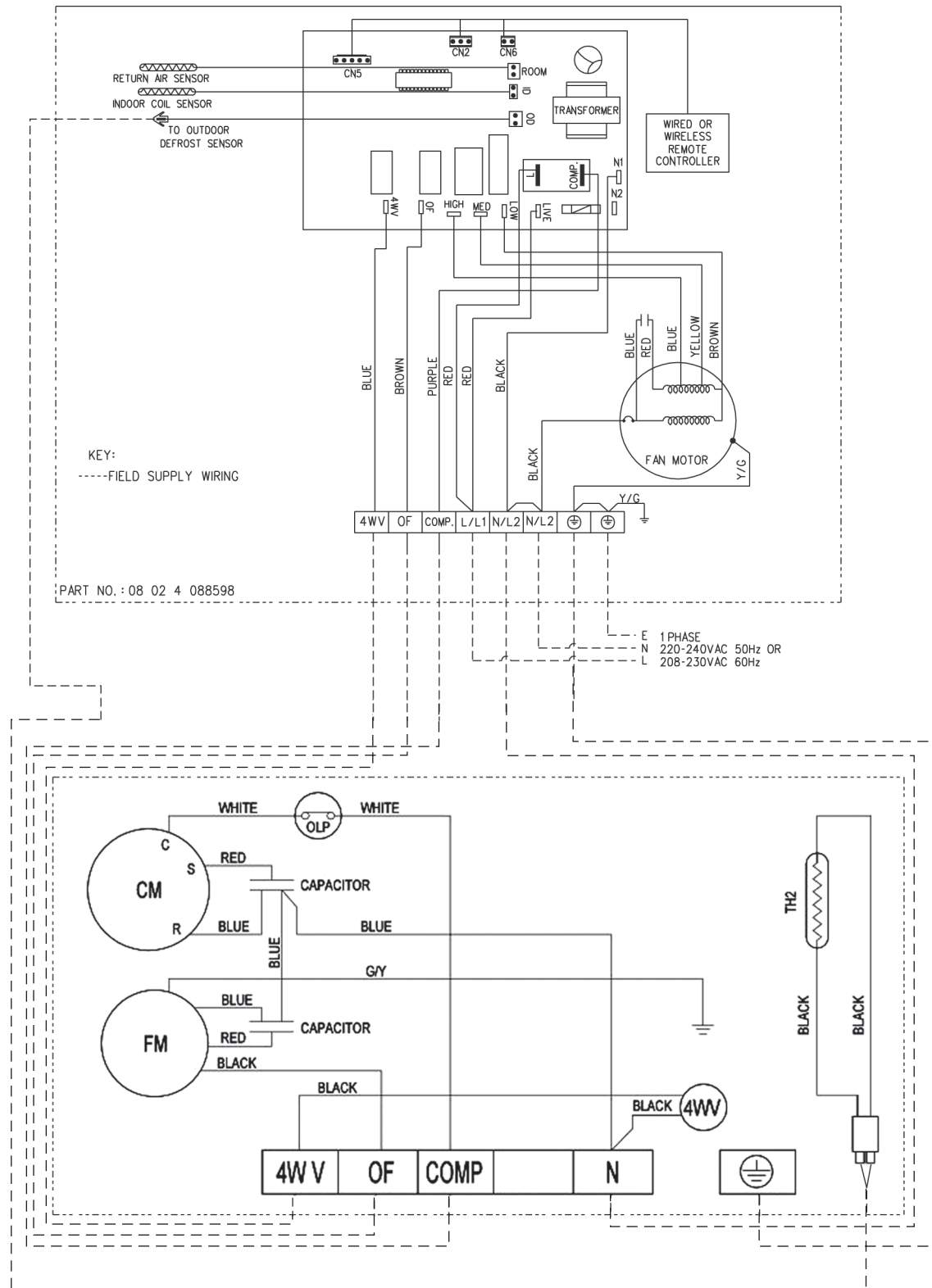
Indoor Unit
Model: FDYM10CXV1 / FDYB10CXV1

Outdoor Unit
Model: RY10CXV1



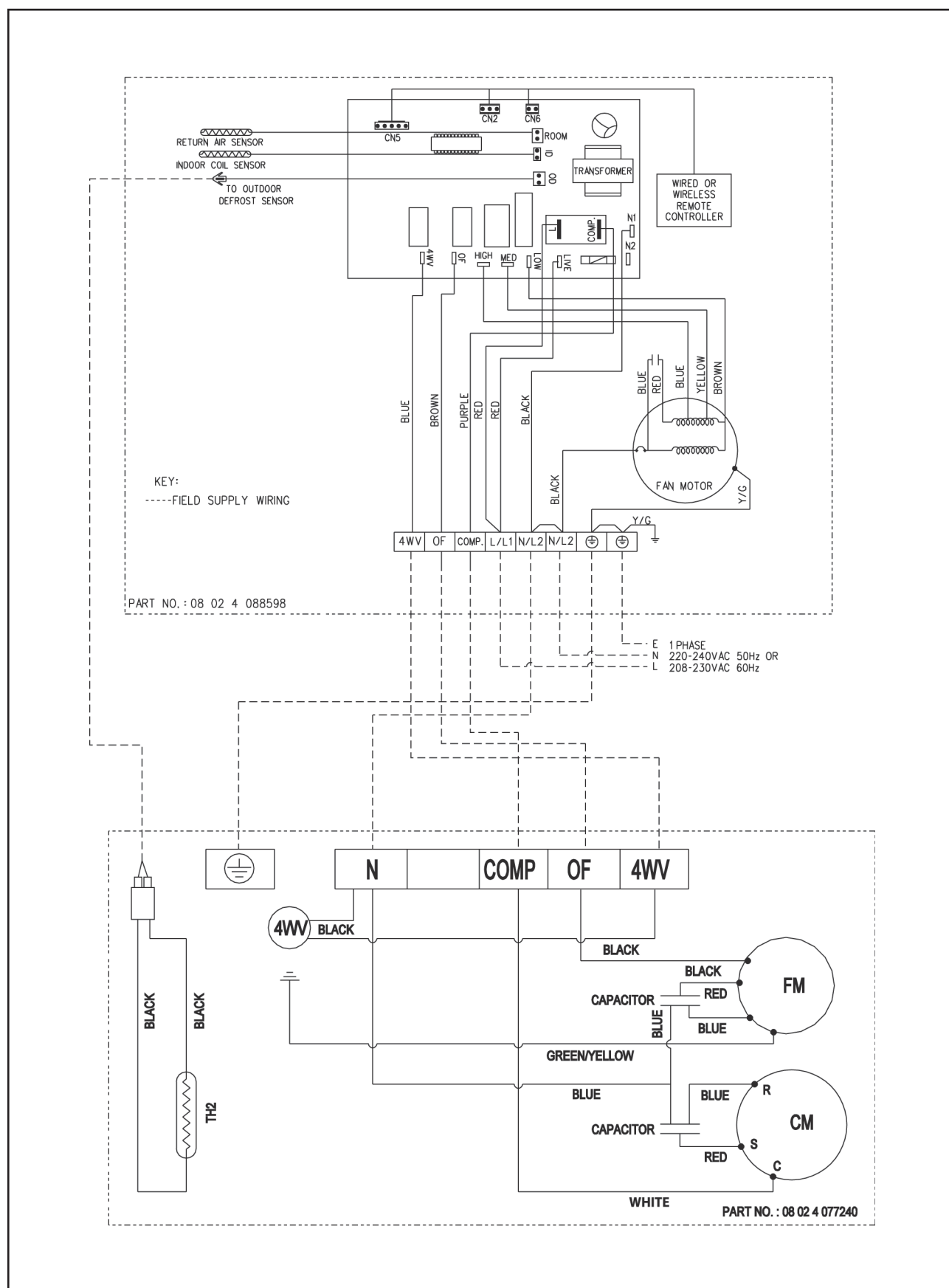
Indoor Unit
Model: FDYM15CXV1 / FDYB15CXV1

Outdoor Unit
Model: RY15CXV1



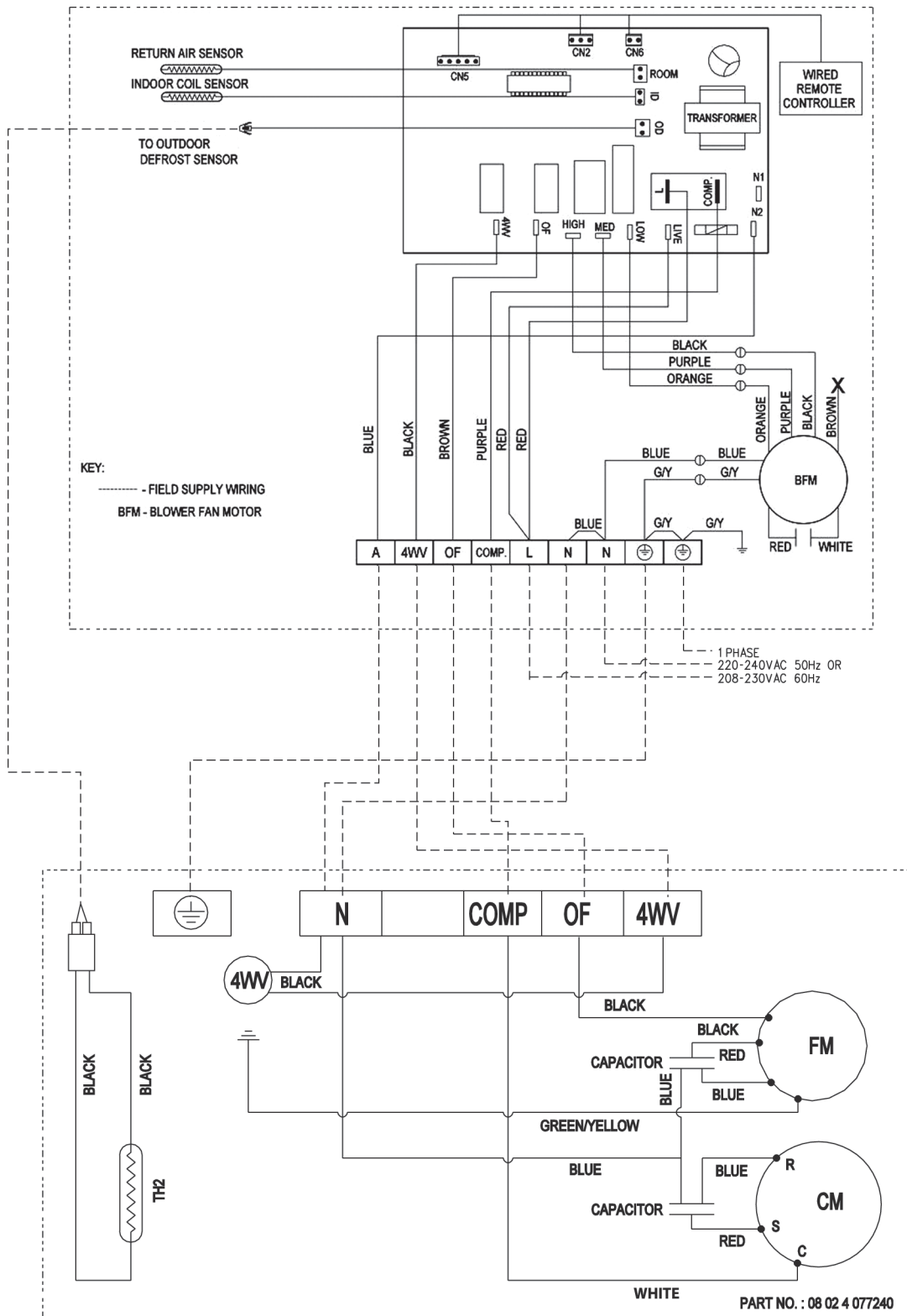
Indoor Unit
Model: FDYM20/25CXV1 / FDYB20/25CXV1

Outdoor Unit
Model: RY18/20/25CXV1



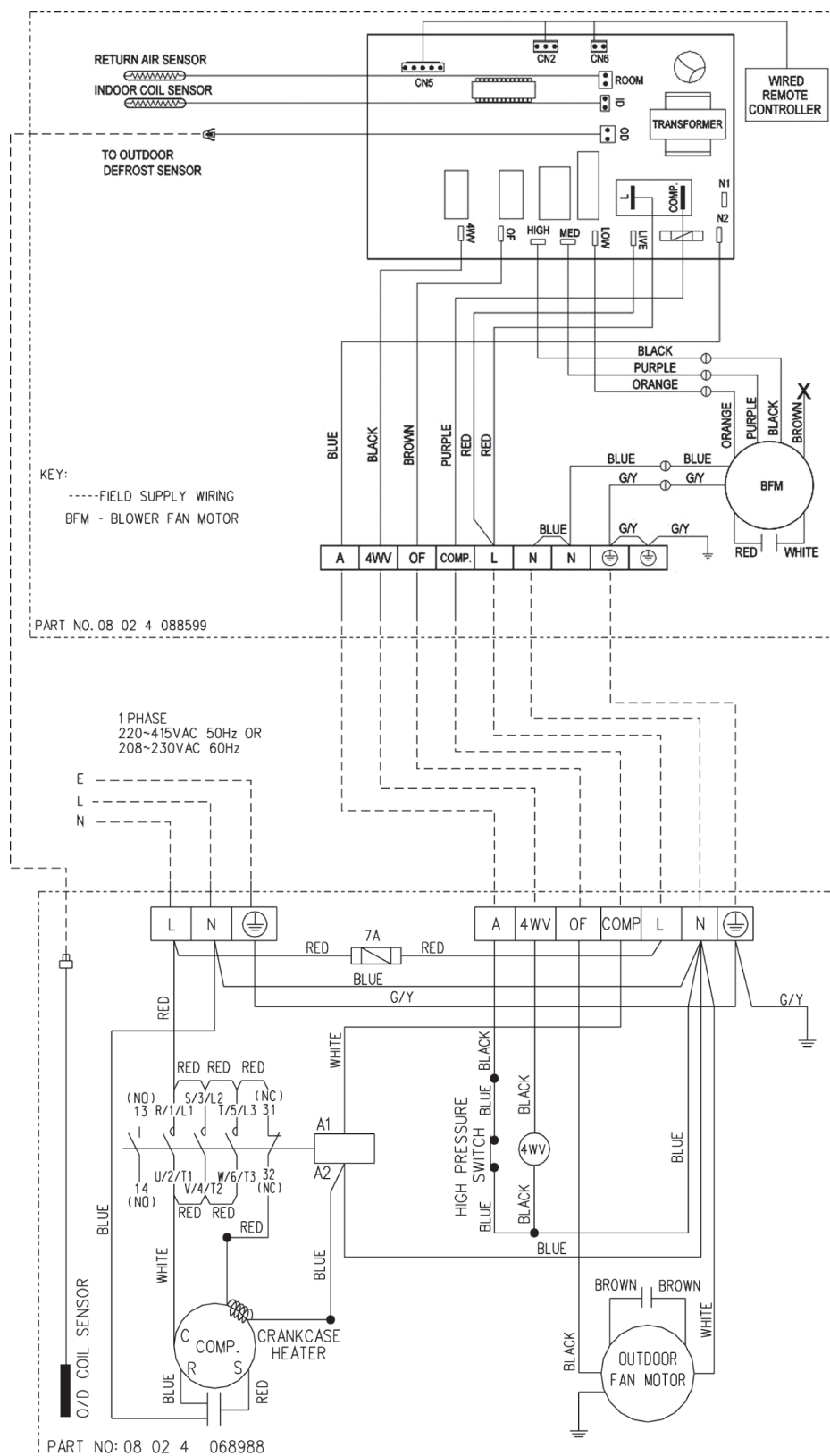
Indoor Unit
Model: FDYM28/30CXV1 / FDYB30CXV1

Outdoor Unit
Model: RY28CXV1



Indoor Unit
Model: FDYM28/30CXV1 / FDYB30CXV1

Outdoor Unit
Model: RY30DXV1

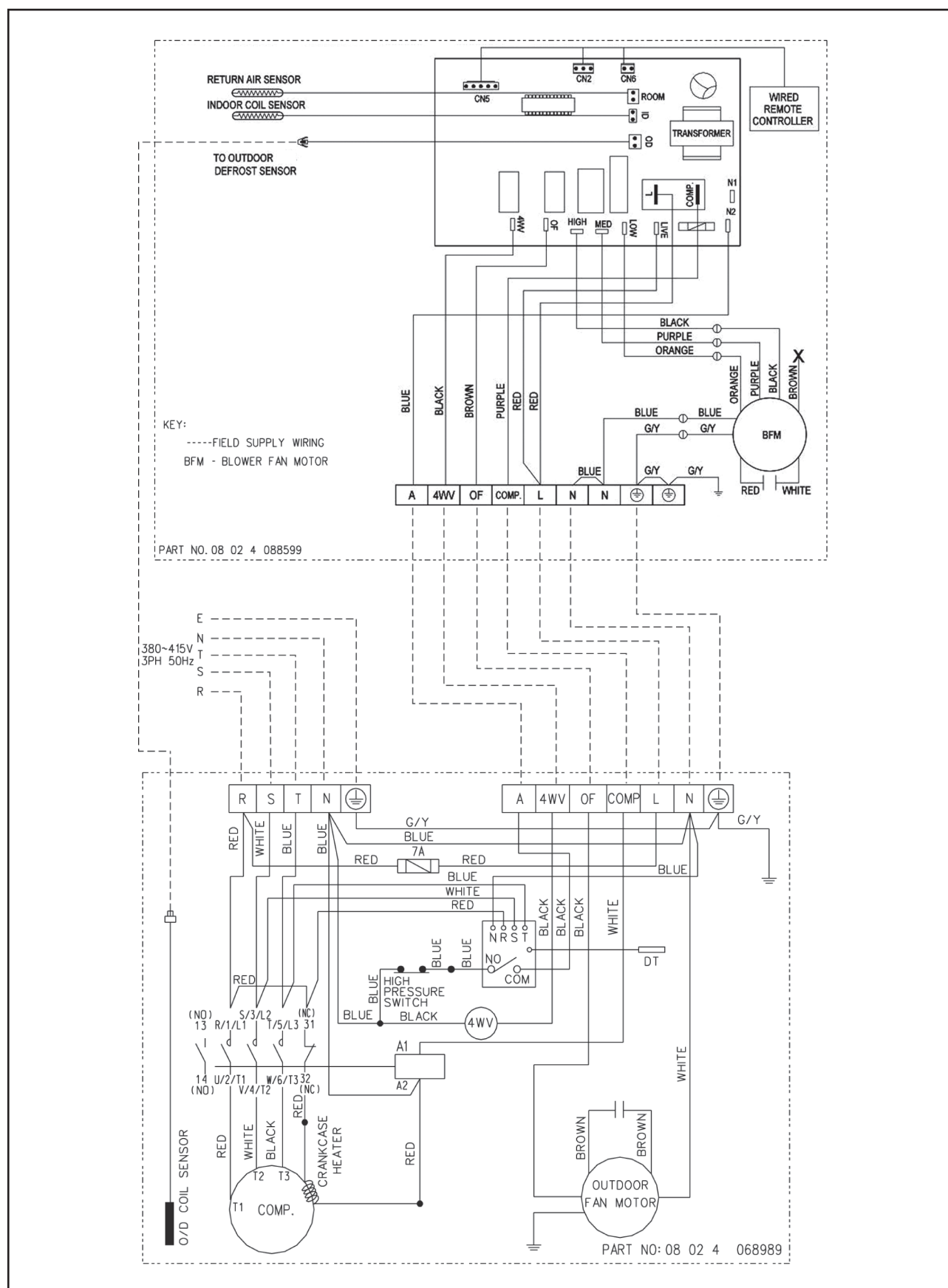


Indoor Unit

Model: FDYM28/30CXV1 / FDYB30CXV1

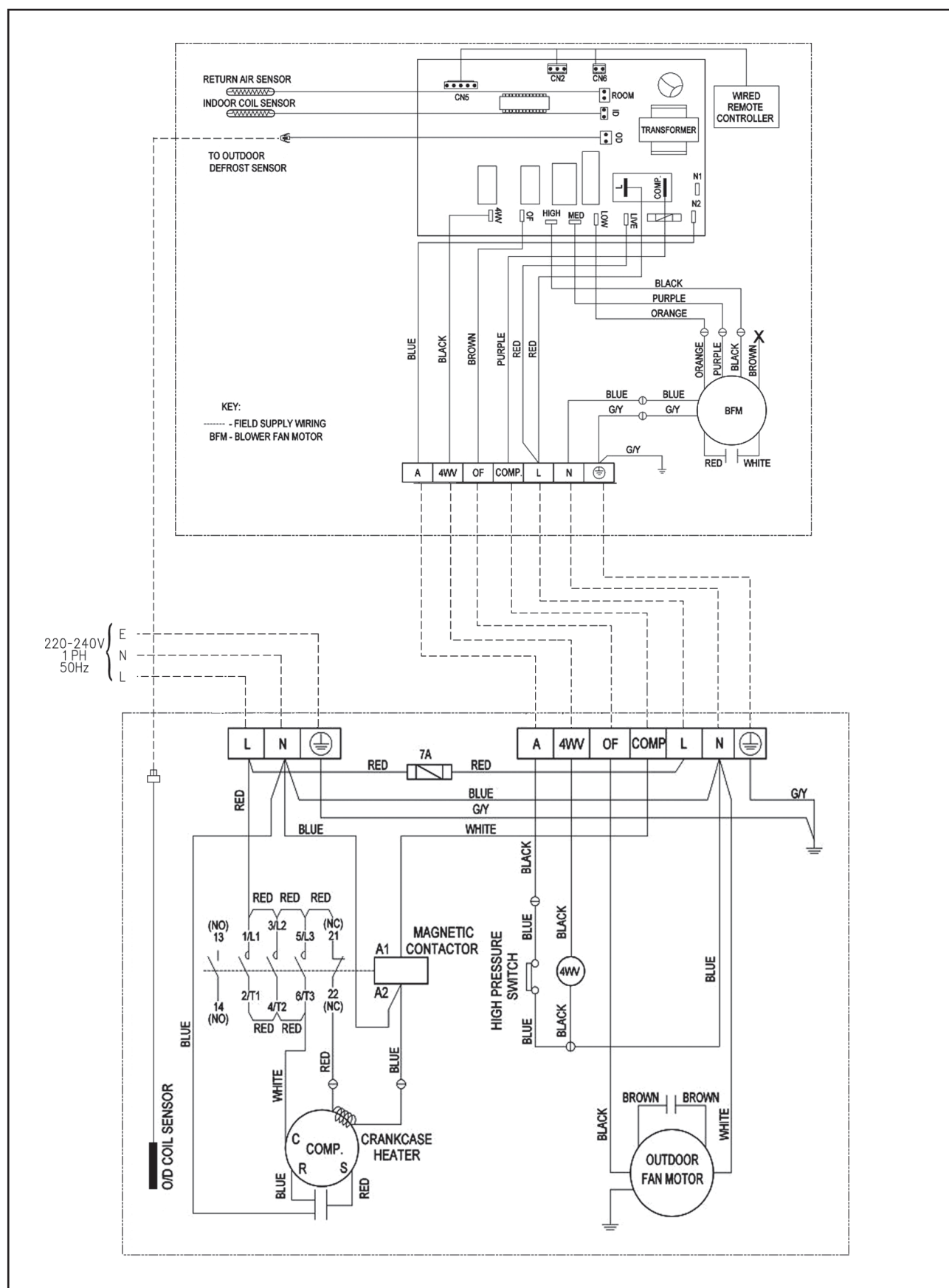
Outdoor Unit

Model: RY30DXY1



Indoor Unit
Model: FDYM38/40CXV1 / FDYB40CXV1

Outdoor Unit
Model: RY35/40DXV1

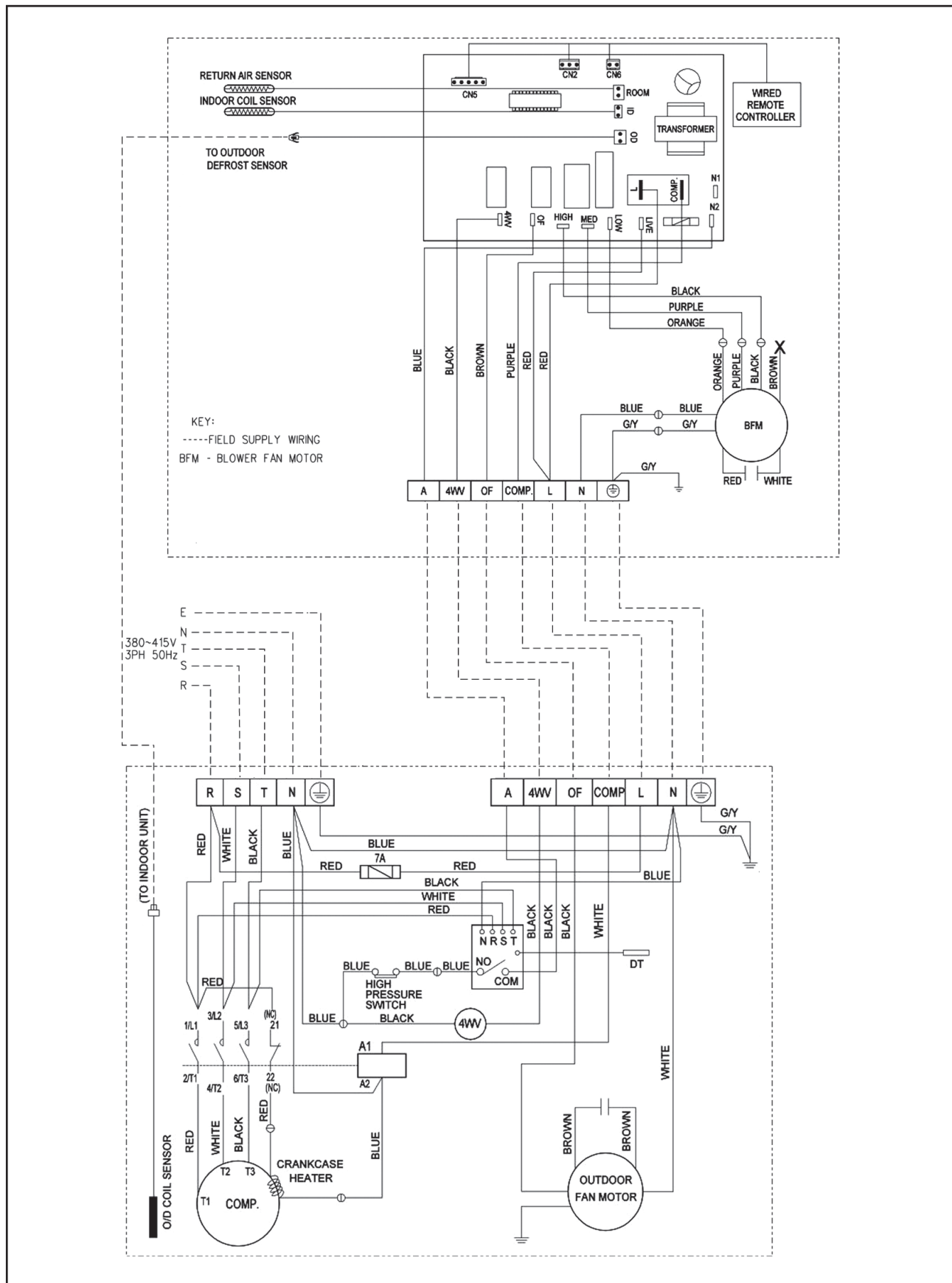


Indoor Unit

Model: FDYM38/40/50CXV1 / FDYB40/50CXV1

Outdoor Unit

Model: RY40/50DXY1

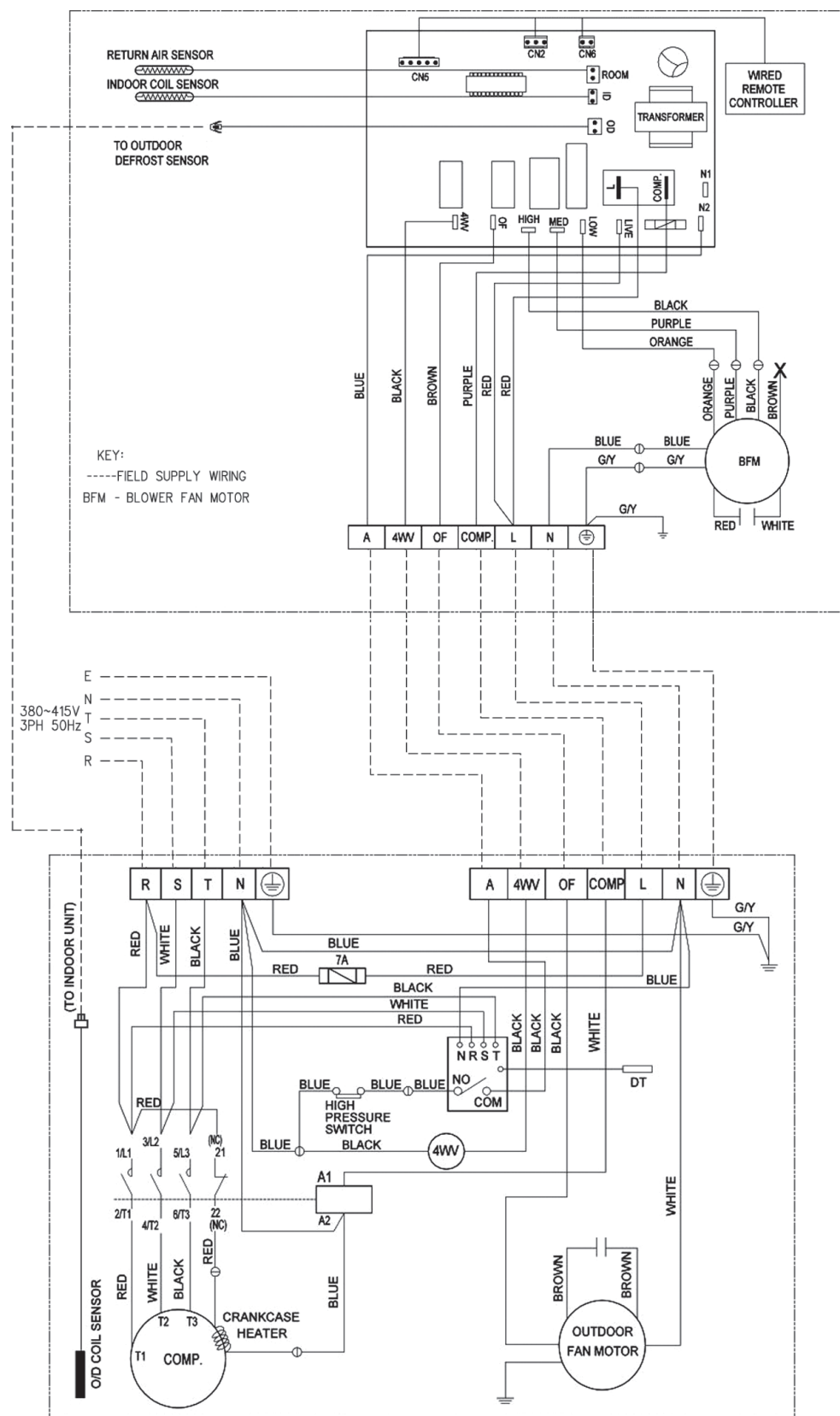


Indoor Unit

Model: FDYM60CXV1 / FDYB60CXV1

Outdoor Unit

Model: RY61DXY1



Service & Maintenance



Warning

Disconnect from main supply before servicing the air conditioner.

The unit is designed to give long life operation with minimum maintenance required. However, it should be regularly checked and the following items should be given due attention.

Components	Maintenance Procedure	Recommended Schedule
Air filter (Indoor Unit)	1. Remove the ionizer filter before cleaning the filter. 2. Remove the dust adhering on the filter by using a vacuum cleaner or wash using water less than 40°C with a neutral cleaning detergent. 3. Rinse and dry it before fitting back the ionizer filter and set it back to unit. 4. Note : Never use petrol thinner, benzene or any other chemicals.	At least once a month.
Indoor unit	1. Clean away dirt or dust on grille or panel by wiping with soft cloth soaked in lukewarm (or cool) water or neutral detergent solution. 2. Note : Never user petrol, thinner, benzene or other volatile chemicals, which may cause plastic surface to deform.	At least once a month.
Condense Drain Pan & Pipe	1. Check the cleanliness and clean it if necessary. 2. Check the condensate water flow.	Every 3 months.
Indoor Fan	Check if there is any abnormal noise.	If necessary.
Indoor/Outdoor Coil	1. Check and remove the dirt between the fins. 2. Check and remove any obstacles which hinder air flow through the indoor or outdoor.	Every month.
Power Supply	1. Check the running current and voltage for indoor and outdoor unit. 2. Check the electrical wiring and tighten the wire onto the terminal block if necessary.	Every 2 months. Every year.
Compressor	No maintenance needed if refrigerant circuit remains sealed. However, check for refrigerant leak at joint and fitting.	Every 6 months.
Compressor Oil	Oil is factory charged. Not necessary to add oil if circuit remains sealed.	No maintenance required.
Fan Motor Oil	All motors are pre-lubricated and sealed at factory.	No maintenance required.

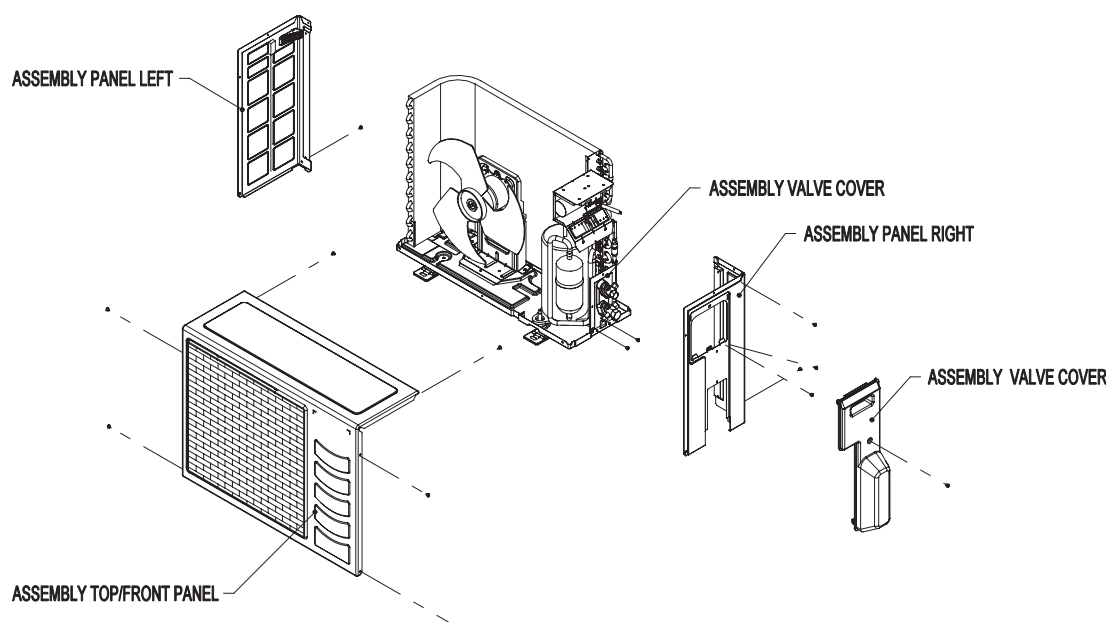
Pre Start Up Maintenance

(After Extended Shutdown)

- Inspect thoroughly and clean indoor and outdoor units.
- Clean or replace air filters.
- Clean condensates drain line.
- Clean clogged indoor and outdoor coils.
- Check fan imbalance before operation.
- Tighten all wiring connections and panels.
- Check for refrigerant leakage.

For R/RV-C/D Outdoor Models

The design of the R/RV-C/D outdoor series allows servicing to be carried out easily. The removal of the top, front and side panels makes almost every part accessible.



Under normal circumstances, these outdoor units only require a check and cleaning of air intake coil surface once every 3 months. However, if a unit is installed in areas subjected to much oil mist and dust, the coils must be regularly cleaned by qualified Air Conditioner Service Technicians to ensure sufficient heat exchange and proper operation. Otherwise, the systems life span may be shortened.



Caution

Do not charge **OXYGEN, ACETYLENE OR OTHER FLAMMABLE** and poisonous gases into the unit when performing a leakage test or an air tight test. These gases could cause severe explosion and damage if expose to high temperature and pressure. It is recommended that only nitrogen or refrigerant be charged when performing the leakage or airtight test.

Troubleshooting

Cooling / Heat pump Model

Seven Segments	Faulty Indication
E1 Blinking	Room air sensor contact loose/short
E2 Blinking	Indoor coil sensor contact loose/short
E3 Blinking	Outdoor coil sensor contact loose/short
E4 Blinking	Compressor overload protection
E5 Blinking	Gas leak
HEAT LED blinking	Defrost mode (SLM3 only)

Phase Sequencer

The unit with Scroll Compressor only can rotate in one direction. For this reason, a protective device (phase sequencer) is fitted to prevent incorrect wiring of the electrical phases. When the three phases are not connected correctly, the phase sequencer operates, and the unit will not start.

This device is located in the control box of the outdoor unit.

The following table shows the LED indicator light for phase sequencer under normal operation and fault conditions.

LED Description	PW (Red)	P_R (Yellow)	P_S (Yellow)	P_T (Yellow)	Actions
Normal Operation	○	●	●	●	-
Reverse Phase	◐	◐	◐	◐	Switch off the unit. Check the 3 phase wiring.
T Phase Missing	◐	●	●	◐	Switch off the unit. Check the 3 phase wiring.
S Phase Missing	◐	●	◐	●	Switch off the unit. Check the 3 phase wiring.
R Phase Missing	●	●	●	●	Switch off the unit. Check the 3 phase wiring.
S & T Phase Missing*	◐	●	◐	◐	Switch off the unit. Check the 3 phase wiring.
Overload*	◐	●	●	●	High discharge temperature. Check refrigerant system.
Sensor Missing*	◐	○	○	○	Switch off the unit. Plug in sensor.

○ ON ● OFF ◐ BLINK

Note:

1. “*” indicates additional function for PP01 phase sequencer.
2. When R phase missing, no LED or buzzer will indicate the error, but relay 71 (COMMON) and 81 (NO) will cut off.
3. The unit will check discharge sensor availability only during power up.
4. All errors can only recover through manually reset.

Error Code / Fault Condition

When a malfunction of the air conditioner unit is detected, immediately switch off the main power supply before proceeding with the following troubleshooting procedures.

The following are common fault conditions and simple troubleshooting tips. If any other fault conditions which are not listed occur, contact your nearest local dealer. DO NOT attempt to troubleshoot the unit by yourself.

No	Fault conditions	Possible causes / corrective actions
1	The air conditioner unit will not resume after power failure.	The auto restart function is not functioning. Please turn on the unit with the wireless / wired controller.
2	The compressor does not operate 3 minutes after the air conditioner unit is started.	- Protection against frequent starting. - Wait for 3 or 4 minutes for the compressor to start operating by it self.
3	The airflow is too slow or room cannot be cooled sufficiently.	- The air filter is dirty. - The doors and windows are opened. - The air suction and discharge of both indoor and outdoor units are clogged or blocked. - The regulated temperature or temperature setting is not low enough.
4	Discharge airflow has bad odor.	- Cigarettes, smoke particles, perfume and others, which might have adhered onto the coil, may cause odor. - Contact your nearest dealer.
5	Condensation on the front air grille of the indoor unit.	- This is caused by air humidity after an extended period of operation. - The set temperature is too low. Increase the temperature setting and operate the unit at high fan speed.
6	Water flowing out from the air conditioner.	Switch off the unit and contact your nearest dealer. This might be due to tilted installation.
7	Hissing airflow sound from the air conditioner unit during operation.	Liquid refrigerant flowing into the evaporator coil.
8	The wireless controller display is dim.	- The batteries are discharged. - The batteries are not correctly inserted. - The assembly is not good.
9	Compressor operates continuously.	- Dirty air filter. Clean the air filter. - Temperature setting too low (cooling). Use higher temperature setting. - Temperature setting too high (heating). Use lower temperature setting.
10	No cool air comes out during cooling cycle, or no hot air comes out during heating cycle.	- Temperature setting too high (cooling). Use lower temperature setting. - Temperature setting too low (heating). Use higher temperature setting.
11	On heating cycle, warm air does not come out.	Unit is in defrost mode. Heating operation will resume after defrost cycle ends.

Diagnostic Guidelines

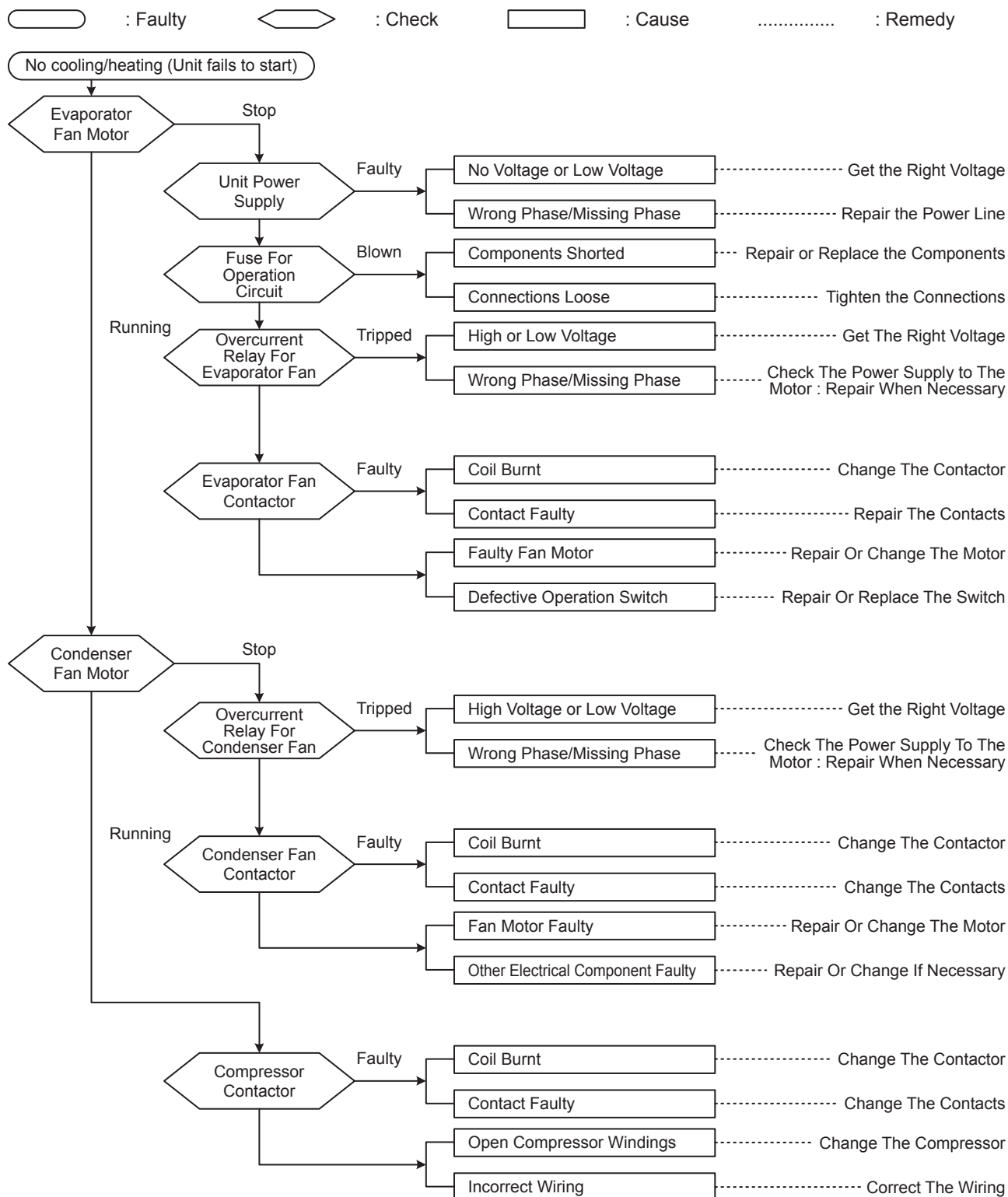
By means of pressure readings:

Data Circuit	Pressure					Probable cause
	Too low	A little low	Normal	A little high	Too high	
High side Low side					• •	1. Overcharged with refrigerant. 2. Non-condensable gases in refrigerant circuit (e.g. air) 3. Obstructed air-intake / discharge. 4. Hot air short circuiting in outdoor unit.
High side Low side	•				•	1. Poor compression / no compression (compressor defective) 2. Reversing valve leaking.
High side Low side	•	•				1. Undercharged with refrigerant. 2. Refrigerant leakage. 3. Air filter clogged / dirty (indoor unit). 4. Indoor fan locked / seized. 5. Defective defrost control, outdoor coil freeze up (heating). 6. Outdoor fan locked / seized (heating).
High side Low side				•	•	1. Outdoor fan blocked (cooling). 2. Outdoor coil dirty (cooling). 3. Indoor fan locked / seized (heating). 4. Indoor air filter clogged / dirty (heating). 5. Non-condensable gases in refrigerant circuit (e.g. air)
High side Low side				•	•	1. Air intake temperature of indoor unit too high.

BY MEANS OF DIAGNOSTIC FLOW CHART :

Generally, there are two kinds of problems, i.e. starting failure and insufficient cooling/heating. “Starting failure” is caused by electrical defect while improper application or defects in refrigerant circuit causes “Insufficient cooling / heating”.

i) Diagnosis of Electric Circuit



The most common causes of air conditioner failure to “start” are :

- a) Voltage not within $\pm 10\%$ of rated voltage.
- b) Power supply interrupted.
- c) Improper control settings.
- d) Air conditioner is disconnected from main power source.
- e) Fuse blown or circuit breaker off.

ii) Diagnosis of Refrigerant Circuit / Application

There might be some causes where the unit starts running but does not perform satisfactorily, i.e. insufficient cooling. Judgement could be made by measuring temperature difference of indoor unit's intake and discharge air as well as running current.

