



# Sky Air Alpha-series Air Conditioning Technical Data RZAG-A





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# RZAG-A

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# 1 Features

## 1 - 1 RZAG-A

Industry leading technology for commercial applications and even for technical rooms

**1**

- › Top efficiency: - Energy labels up to A++ in both cooling and heating - compressor offers substantial efficiency improvements
- › Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has a lower refrigerant charge
- › Suits high sensible, infrastructure cooling applications
- › Replace existing systems with R-32 technology without needing to replace the piping
- › Guarantees operation in both heating and cooling mode down to -20°C
- › Maximum piping length up to 50m
- › Exclusively offered for pair applications (capacity from 35 up to 60)



Infrastructure cooling



Inverter



Auto cooling-heating changeover

## 2 Specifications

### 1 - 1 RZAG-A

Technical Specifications				RZAG35A	RZAG50A	RZAG60A	
Casing	Colour			Ivory white			
Dimensions	Unit	Height	mm	734			
		Width	mm	870			
		Depth	mm	373			
	Packed unit	Height	mm	820			
		Width	mm	1,050			
Depth		mm	480				
Weight	Unit			52			
	Packed unit			57			
Packing	Weight		kg	5			
Heat exchanger	Length			mm	920		
	Rows	Quantity		2			
	Fin pitch			mm	1.40		
	Passes	Quantity		2.2			
	Stages	Quantity		32			
	Tube type			ø7 Hi-XD			
	Fin	Type		Waffle fin (PE)			
	Fan	Type			Propeller fan		
		Air flow rate	Cooling	Nom.	m <sup>3</sup> /min	55.1	
				cfm	1,947		
		Heating	Nom.	m <sup>3</sup> /min	55.1		
			cfm	1,947			
Fan motor	Model			D55F-31			
	Output			W	55		
	Speed	Cooling	High	rpm	780		
			Nom.	rpm	740	780	
			Low	rpm	580	620	640
		Heating	High	rpm	740		
			Nom.	rpm	740		
Low			rpm	460			
Compressor	Model			2YC40JXD#C			
	Oil Amount			cm <sup>3</sup>	650		
	Type			Hermetically sealed swing compressor			
	Output			W	1,300		
	Oil Type			FW68DA			
Sound power level	Cooling		dB(A)	62.0	63.0	64.0	
	Heating		dB(A)	62.0	63.0	64.0	
Sound pressure level	Cooling	Nom.	dB(A)	48.0	49.0	50.0	
	Heating	Nom.	dB(A)	48.0	49.0	50.0	
Refrigerant	Type			R-32			
	Charge			kg	1.55		
	Charge			TCO <sub>2</sub> Eq	1.05		
	GWP			675.0			
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	9.50	12.7		
	Drain	OD	mm	16			
	Piping length	OU - IU	Max.	m	50		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)		
	Level difference	IU - OU	Max.	m	30.0		
	Heat insulation			Both liquid and gas pipes			
	Capacity control	Method			Variable (inverter)		

Standard accessories: Drain plug; Quantity: 1;

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Refrigerant charge label; Quantity: 1;

Standard accessories: Multilingual fluorinated greenhouse gases labels; Quantity: 1;

Standard accessories: Drain cap (1); Quantity: 6;

Standard accessories: Drain cap (2); Quantity: 3;

Standard accessories: General safety precautions; Quantity: 1;

Standard accessories: LOT10 Energy Label; Quantity: 1;

Electrical Specifications				RZAG35A	RZAG50A	RZAG60A	
Power supply	Phase			1~			
	Frequency			Hz	50		
	Voltage			V	220-240		
Wiring connections	For power supply	Remark		Earth wire included			
	For connection with indoor	Remark		Earth wire included			

See separate drawing for operation range |

See separate drawing for electrical data |

## 2 Specifications

### 1 - 1 RZAG-A

Contains fluorinated greenhouse gases

Technical specifications				FCAG35B + RZAG35A		FCAG50B + RZAG35A		FCAG50B + RZAG50A		FCAG60B + RZAG50A		FCAG60B + RZAG60A		FCAG71B + RZAG60A	
Cooling capacity	Min.		kW	1.6				1.7							
	Min.		Btu/h	5,500.0				5,800.0							
	Min.		kcal/h	1,376.0				1,462.0							
	Nom.		kW	3.5				5.0				6.0			
	Nom.		Btu/h	11,900.0				17,100.0				20,500.0			
	Nom.		kcal/h	3,009.0				4,299.0				5,159.0			
	Max.		kW	4.5				6.0				6.5			
	Max.		Btu/h	15,400.0				20,500.0				22,200.0			
Heating capacity	Min.		kW	1.40				1.50				1.60			
	Min.		Btu/h	4,800.0				5,100.0				5,500.0			
	Min.		kcal/h	1,200.0				1,290.0		1,300.0		1,380.0		1,400.0	
	Nom.		kW	4.00				5.80				7.00			
	Nom.		Btu/h	13,700.0		13,600.0		19,800.0				23,900.0			
	Nom.		kcal/h	3,439.0				4,987.0				6,019.0			
	Max.		kW	5.00				6.00				7.50			
	Max.		Btu/h	17,000.0		17,100.0		20,500.0				25,600.0			
Power input	Cooling	Nom.	kW	0.80	0.77	1.28	1.26	1.76	1.58						
	Heating	Nom.	kW	0.93	0.91	1.56	1.55	2.06	1.98						
Nominal efficiency	EER			4.40	4.57	3.90	3.98	3.40	3.79						
	COP			4.30	4.41	3.71	3.75	3.40	3.53						
	Annual energy consumption		kWh	398	383	641	628	882	792						
	Energy labeling Directive	Cooling		A				A				C	B		
Space cooling	Energy efficiency class			A++											
	Capacity	Pdesign	kW	3.50				5.00				6.00			
	SEER			7.30	7.40	6.80	6.93	6.60	6.82						
	Annual energy consumption		kWh/a	168	166	257	252	318	308						
Space heating (Average climate)	Energy efficiency class			A+											
	Capacity	Pdesign	kW	3.30				4.30				4.60			
	SCOP/A			4.30	4.41	4.30	4.35	4.25	4.39						
	SCOPnet/A			4.34	4.45	4.34	4.39	4.29	4.43						
	Pdh Heating capacity at -10°		kW	2.91				3.68				4.00			
	Annual energy consumption		kWh/a	1,074	1,048	1,398	1,384	1,515	1,467						
	Required back up heating cap at design conditions		kW	0.39				0.62				0.64			
Space cooling	A	Pdc	kW	3.50				5.00				6.00			
	Condition	EERd		4.40	4.57	3.90	3.98	3.40	3.79						
	(35°C - 27/19)	Power input	kW	0.80	0.77	1.28	1.26	1.76	1.58						
	B	Pdc	kW	2.58				3.68				4.42			
	Condition	EERd		7.04	6.92	5.82	5.95	5.74	5.92						
	(30°C - 27/19)	Power input	kW	0.37				0.63				0.77			
	C	Pdc	kW	1.50	1.87	2.37				2.84					
	Condition	EERd		9.98	10.74	8.41	8.54	7.65	7.89						
	(25°C - 27/19)	Power input	kW	0.15	0.17	0.28				0.37					
	D	Pdc	kW	1.59	1.85				1.88				1.92		
	Condition	EERd		13.20	13.42	12.89	13.30	12.82	12.98						
	(20°C - 27/19)	Power input	kW	0.12	0.14				0.15						

## 2 Specifications

### 1 - 1 RZAG-A

Technical specifications				FCAG35B + RZAG35A	FCAG50B + RZAG35A	FCAG50B + RZAG50A	FCAG60B + RZAG50A	FCAG60B + RZAG60A	FCAG71B + RZAG60A	
Space heating (Average climate)	TOL	Tol (temperature operating limit) °C			-20					
		Pdh (declared heating cap) kW	2.87	2.90	3.30	3.47	3.59	3.77		
		COPd (declared COP)	2.24	2.28	2.15	2.16	2.11	2.19		
	TBivalent	Power input kW			1.28	1.27	1.53	1.61	1.70	1.72
		Tbiv (bivalent temperature) °C	-7			-7.0	-7	-7.0	-7	-7.0
			Pdh (declared heating cap) kW	2.92		3.80	3.81	4.07		
	COPd (declared COP)		2.71	2.79	2.65	2.68	2.59	2.69		
	A	Power input kW			1.08	1.05	1.43	1.42	1.57	1.51
		Condition (-7°C)	Pdh (declared heating cap) kW	2.92		3.80	3.81	4.07		
			COPd (declared COP)	2.71	2.79	2.65	2.68	2.59	2.69	
	Power input kW		1.08	1.05	1.43	1.42	1.57	1.51		
	B	Pdh (declared heating cap) kW			1.78		2.32		2.48	
		Condition (2°C)	COPd (declared COP)	4.14	4.27	4.08	4.13	4.02	4.17	
			Power input kW	0.43	0.42	0.57	0.56	0.62	0.59	
	Pdh (declared heating cap) kW		1.42	1.51	1.52	1.59				
	C	Condition (7°C)	COPd (declared COP)	6.18	6.33	6.16	6.19	6.12	6.25	
			Power input kW	0.23	0.24	0.25		0.26	0.25	
			Pdh (declared heating cap) kW	1.57	1.60		1.61		1.63	
	D	Condition (12°C)	COPd (declared COP)	7.83	8.02	7.88	7.97	7.88	8.05	
			Power input kW	0.20						
Cooling PCK kW			0.000							
Power consumption in other than active mode	heater	Heating PCK kW			0.000					
		Off mode	Cooling POFF kW	0.012						
	Standby mode	Heating POFF kW			0.012					
		Cooling PSB kW	0.012							
Power consumption in other than active mode	Standby mode	Heating PSB kW			0.012					
		Thermostat-off mode	Cooling PTO kW	0.004						
Cooling	Cdc (Degradation cooling)	Heating PTO kW			0.023					
		0.25								
Heating	Cdh (Degradation heating)	0.25								
		Yes								
Cooling function included				Yes						
Heating function included				Yes						
Average climate included				Yes						
Cold season included				No						
Warm season included				No						
Eurovent	Sound power level outdoor	Cooling Nom. dBA	62		63		64			
		Cooling Nom. dBA	49			51				
	Piping length	Cooling Measuring condition m	5.0							

Technical specifications				FFA35A9 + RZAG35A	FFA50A9 + RZAG35A	FFA50A9 + RZAG50A	FFA60A9 + RZAG50A	FFA60A9 + RZAG60A
Indoor unit				-		FFA50A2VEB9		FFA60A2VEB9
Outdoor unit				-		RZAG35A2V1B		RZAG50A2V1B
Cooling capacity	Min.	kW		1.6		1.7		
		Btu/h		5,500.0		5,800.0		
	Min.	kcal/h		1,376.0		1,462.0		
		kW		3.5		5.0		6.0
	Nom.	Btu/h		11,900.0		17,100.0		20,500.0
		kcal/h		3,009.0		4,299.0		5,159.0
	Max.	kW		4.5		6.0		6.5
		Btu/h		15,400.0		20,500.0		22,200.0
	Max.	kcal/h		3,869.0		5,159.0		5,589.0
		Min.	kW		1.40		1.50	
	Min.		Btu/h		4,780.0		4,800.0	
		Min.	kcal/h		1,200.0		1,290.0	
Nom.	kW		4.00		5.80		7.00	
	Nom.	Btu/h		13,700.0		13,600.0		19,800.0
Nom.		kcal/h		3,439.0		4,987.0		6,019.0
	Max.	kW		5.00		6.00		7.50
Max.		Btu/h		17,000.0		17,100.0		20,500.0
	Max.	kcal/h		4,299.0		5,159.0		6,449.0
Power input		Cooling Nom. kW	0.88	0.82	1.47	1.38	1.86	
	Heating Nom. kW	1.08	1.02	1.87	1.84	2.41		

## 2 Specifications

### 1 - 1 RZAG-A

Technical specifications				FFA35A9 + RZAG35A	FFA50A9 + RZAG35A	FFA50A9 + RZAG50A	FFA60A9 + RZAG50A	FFA60A9 + RZAG60A
Nominal efficiency	EER			4.00	4.25	3.40	3.62	3.23
	COP			3.71	3.94	3.10	3.15	2.90
	Annual energy consumption	kWh		438	412	735	691	929
	Energy labeling Directive	Cooling Heating		A		A		D
Space cooling	Energy efficiency class			A++				A+
	Capacity Pdesign	kW		3.50		5.00		6.00
	SEER			6.40	6.81	6.30	6.43	5.80
	Annual energy consumption	kWh/a		191	180	278	272	362
Space heating (Average climate)	Energy efficiency class			A				A+
	Capacity Pdesign	kW		4.20		4.30		4.50
	SCOP/A			3.80	4.04	4.01	4.08	4.04
	SCOPnet/A			3.84	4.08	4.04	4.12	4.08
Space heating (Average climate)	Pdh Heating capacity at -10°	kW		3.50	3.53	3.66	3.68	3.87
	Annual energy consumption	kWh/a		1,546	1,455	1,501	1,474	1,558
Space cooling (Average climate)	Required back up heating cap at design conditions	kW		0.70	0.67	0.64	0.62	0.63
	A Pdc	kW		3.50		5.00		6.00
	Condition EERd (35°C - 27/19)	kW		4.00	4.25	3.40	3.62	3.23
	Power input	kW		0.88	0.82	1.47	1.38	1.86
	B Pdc	kW		2.58		3.68		4.42
	Condition EERd (30°C - 27/19)	kW		6.13	6.68	5.68	5.88	4.83
	Power input	kW		0.42	0.39	0.65	0.63	0.92
	C Pdc	kW		1.66	1.83	2.37		2.84
	Condition EERd (25°C - 27/19)	kW		8.45	9.15	7.94	8.01	7.08
	Power input	kW		0.20		0.30		0.40
	D Pdc	kW		1.78	1.89	1.81	1.90	1.82
	Condition EERd (20°C - 27/19)	kW		11.12	12.27	10.61	10.78	9.80
Space heating (Average climate)	TOL Tol (temperature operating limit)	°C						-20
	Pdh (declared heating cap)	kW		2.79	2.90	3.21	3.27	3.49
	COPd (declared COP)			2.20	2.14	2.12	2.08	
	Power input	kW		1.27	1.36	1.51	1.57	1.68
	TBivalent Tbiv (bivalent temperature)	°C		-7	-7.0	-7	-7.0	-7
	Pdh (declared heating cap)	kW		3.72	3.71	3.80		3.98
	COPd (declared COP)			2.64	2.81	2.83	2.88	2.91
	Power input	kW		1.41	1.32	1.34	1.32	1.37
	A Pdh (declared heating cap)	kW		3.72	3.71	3.80		3.98
	Condition COPd (declared COP) (-7°C)			2.64	2.81	2.83	2.88	2.91
	Power input	kW		1.41	1.32	1.34	1.32	1.37
	B Pdh (declared heating cap)	kW		2.26		2.32		2.42
	Condition COPd (declared COP) (2°C)			3.49	3.79	3.85	3.92	3.95
	Power input	kW		0.65	0.60		0.59	0.61
	C Pdh (declared heating cap)	kW		1.52	1.56	1.55		1.59
	Condition COPd (declared COP) (7°C)			5.39	5.59	5.26	5.36	5.09
	Power input	kW		0.28		0.29		0.31
	D Pdh (declared heating cap)	kW		1.54	1.77	1.54		1.58
Condition COPd (declared COP) (12°C)			6.36	6.45	6.08	6.19	5.89	
Power input	kW		0.24	0.270	0.25		0.27	
Power consumption in other than active mode	Crankcase heater Cooling PCK	kW						0.000
	Heating PCK	kW						0.000
Power consumption in other than active mode	Off mode Cooling POFF	kW						0.012
	Heating POFF	kW						0.012
Power consumption in other than active mode	Standby Cooling PSB	kW						0.012
	Heating PSB	kW						0.012
Thermostat-off mode	Cooling PTO	kW						0.004
	Heating PTO	kW						0.023
Cooling	Cdc (Degradation cooling)							0.25
Heating	Cdh (Degradation heating)							0.25
Cooling function included								Yes
Heating function included								Yes
Average climate included								Yes
Cold season included								No
Warm season included								No



## 2 Specifications

### 1 - 1 RZAG-A

Technical specifications					FFA35A9 + RZAG35A	FFA50A9 + RZAG35A	FFA50A9 + RZAG50A	FFA60A9 + RZAG50A	FFA60A9 + RZAG60A
Eurovent	Sound power level outdoor	Cooling	Nom.	dBa	62		63		64
	Sound power level indoor	Cooling	Nom.	dBa	51	56		60	
	Piping length	Cooling	Measuring condition	m	5.0				

Technical specifications					FDXM35F9 + RZAG35A	FDXM50F9 + RZAG35A	FDXM50F9 + RZAG50A	FDXM60F9 + RZAG50A	FDXM60F9 + RZAG60A		
Indoor unit					-		FDXM50F3V1B9		FDXM60F3V1B9		
Outdoor unit					-		RZAG50A2V1B		RZAG60A2V1B		
Cooling capacity	Min.			kW	1.6		1.7				
				Btu/h	5,500.0		5,800.0				
	Min.			kcal/h	1,376.0		1,462.0				
				kW	3.5		5.0		6.0		
	Nom.			Btu/h	11,900.0		17,100.0		20,500.0		
				kcal/h	3,009.0		4,299.0		5,159.0		
	Max.			kW	4.5		6.0		6.5		
				Btu/h	15,400.0		20,500.0		22,200.0		
	Max.			kcal/h	3,869.0		5,159.0		5,589.0		
Heating capacity	Min.			kW	1.40		1.70				
				Btu/h	4,780.0	4,800.0	5,800.0				
	Min.			kcal/h	1,200.0		1,460.0	1,500.0	1,460.0		
				kW	4.00		5.00		7.00		
	Nom.			Btu/h	13,700.0	13,600.0	17,100.0		23,900.0		
				kcal/h	3,439.0		4,299.0		6,019.0		
	Max.			kW	5.00		6.00		7.50		
				Btu/h	17,000.0	17,100.0	20,500.0		25,590.0		
	Max.			kcal/h	4,299.0		5,159.0		6,449.0		
Power input	Cooling	Nom.		kW	0.90	0.86	1.32	1.26	1.76		
	Heating	Nom.		kW	1.14	1.10	1.47	1.45	2.12		
Nominal efficiency	EER				3.90	4.05	3.80	3.98	3.40		
	COP				3.50	3.63	3.40	3.44	3.30		
	Annual energy consumption			kWh	449	432	658	628	882		
	Energy labeling Directive	Cooling					A				
	Heating				B	A	C	B	C		
Space cooling	Energy efficiency class				A+						
	Capacity	Pdesign		kW	3.50		5.00		6.00		
	SEER				5.90	6.08	5.90	5.98	5.70		
	Annual energy consumption			kWh/a	208	201	296	293	368		
Space heating (Average climate)	Energy efficiency class				A	A+	A				
	Capacity	Pdesign		kW	3.50	4.20	4.30		4.50		
	SCOP/A				3.90	4.05	3.90	3.94	3.90		
	SCOPnet/A				3.94	4.09	3.93	3.98	3.93		
	Pdh Heating capacity at -10°			kW	2.99	3.49	3.62	3.63	3.82		
Space heating (Average climate)	Annual energy consumption			kWh/a	1,255	1,451	1,544	1,526	1,616		
	Required back up heating cap at design conditions			kW	0.51	0.71	0.68	0.67	0.68		
Space cooling	A	Pdc		kW	3.50		5.00		6.00		
				Condition EERd	3.90		4.05	3.80	3.98	3.40	
	(35°C - 27/19)	Power input			kW	0.90	0.86	1.32	1.26	1.76	
					B	Pdc		kW	2.58		3.68
	(30°C - 27/19)	Power input			Condition EERd	5.52		5.78	5.11	5.20	4.68
					kW	0.47	0.45	0.72	0.71	0.94	
	C	Pdc			kW	2.00		2.37		2.84	
					Condition EERd	8.17		8.47	7.58	7.65	7.28
	(25°C - 27/19)	Power input			kW	0.24		0.31		0.39	
					D	Pdc		kW	2.02		2.09
	(20°C - 27/19)	Power input			Condition EERd	9.76		10.09	9.11	9.15	8.85
					kW	0.21		0.23		0.24	

## 2 Specifications

### 1 - 1 RZAG-A

2

Technical specifications				FDXM35F9 + RZAG35A	FDXM50F9 + RZAG35A	FDXM50F9 + RZAG50A	FDXM60F9 + RZAG50A	FDXM60F9 + RZAG60A	
Space heating (Average climate)	TOL	Tol (temperature operating °C limit)			-20				
		Pd <sub>h</sub> (declared heating cap) kW			2.64	2.72	3.01	3.08	3.30
		COP <sub>d</sub> (declared COP)			2.05	1.99	1.98	1.96	1.94
	Power input kW			1.29	1.37	1.52	1.57	1.70	
	TBivalent	Tbiv (bivalent temperature) °C			-7	-7.0	-7	-7.0	-7
		Pd <sub>h</sub> (declared heating cap) kW			3.10	3.72	3.80		3.98
		COP <sub>d</sub> (declared COP)			2.51	2.58	2.32	2.34	2.31
	Power input kW			1.24	1.44	1.66	1.62	1.72	
	A	Pd <sub>h</sub> (declared heating cap) kW			3.10	3.72	3.80		3.98
		COP <sub>d</sub> (declared COP)			2.51	2.58	2.32	2.34	2.31
	Condition (-7°C)	Power input kW			1.24	1.44	1.66	1.62	1.72
		B	Pd <sub>h</sub> (declared heating cap) kW			1.89	2.26	2.32	
	Condition (2°C)		COP <sub>d</sub> (declared COP)			3.76	3.86	3.99	4.04
		Power input kW			0.50	0.59	0.58	0.57	0.60
	C	Pd <sub>h</sub> (declared heating cap) kW			1.45	1.51	1.61		
		COP <sub>d</sub> (declared COP)			5.53	5.69	4.95	5.02	4.90
Condition (7°C)	Power input kW			0.26	0.27	0.33	0.32	0.33	
	D	Pd <sub>h</sub> (declared heating cap) kW			1.54	1.60	1.59	1.80	1.59
COP <sub>d</sub> (declared COP)			6.76	6.96	6.59	6.68	6.52		
Power input kW			0.23	0.230	0.24	0.27	0.24		
Power consumption in other than active mode	Crankcase heater	Cooling	PCK	kW	0.000				
		Heating	PCK	kW	0.000				
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.012				
		Heating	POFF	kW	0.012				
	Standby mode	Cooling	PSB	kW	0.012				
		Heating	PSB	kW	0.012				
Thermostat-off mode	Cooling	PTO	kW	0.004					
	Heating	PTO	kW	0.023					
Cooling	Cdc (Degradation cooling)			0.25					
Heating	Cdh (Degradation heating)			0.25					
Cooling function included				Yes					
Heating function included				Yes					
Average climate included				Yes					
Cold season included				No					
Warm season included				No					
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	62		63		64
		Cooling	Nom.	dB(A)	53	55		56	
	Piping length	Cooling	Measuring condition	m	5.0				

Technical specifications				FBA35A9 + RZAG35A	FBA50A9 + RZAG35A	FBA50A9 + RZAG50A	FBA60A9 + RZAG50A	FBA60A9 + RZAG60A	FBA71A9 + RZAG60A	
Indoor unit				-		FBA50A2VEB9		FBA60A2VEB9		
Outdoor unit				-		RZAG35A2V1B		RZAG60A2V1B		
Cooling capacity	Min.	kW		1.6		1.7				
		Btu/h		5,500.0		5,800.0				
	Min.	kcal/h		1,376.0		1,462.0				
		kW		3.5		5.0		6.0		6.00
	Nom.	Btu/h		11,900.0		17,100.0		20,500.0		20,500
		kcal/h		3,009.0		4,299.0		5,159.0		
	Max.	kW		5.0		6.0		7.0		
		Btu/h		17,000.0	17,100.0	20,500.0		23,900.0		
	Max.	kcal/h		4,299.0		5,159.0		6,019.0		
		kW		1.40		1.70				
Heating capacity	Min.	Btu/h		4,780.0	4,800.0		5,800.0			
		kcal/h		1,200.0		1,460.0	1,500.0	1,460.0	1,500.0	
	Nom.	kW		4.00		6.00		7.00		
		Btu/h		13,700.0	13,600.0		20,500.0		23,900.0	
	Nom.	kcal/h		3,439.0		5,159.0		6,019.0		
		kW		5.00		6.00		7.50		
	Max.	Btu/h		17,000.0	17,100.0		20,500.0		25,590.0	25,600.0
		kcal/h		4,299.0		5,159.0		6,449.0		
	Power input	Cooling	Nom.	kW	0.78	0.76	1.25	1.22	1.48	1.39
			Heating	Nom.	kW	0.91	0.90	1.58	1.51	2.06

## 2 Specifications

### 1 - 1 RZAG-A

Technical specifications				FBA35A9 + RZAG35A	FBA50A9 + RZAG35A	FBA50A9 + RZAG50A	FBA60A9 + RZAG50A	FBA60A9 + RZAG60A	FBA71A9 + RZAG60A
Nominal efficiency	EER			4.50	4.62	4.00	4.11	4.05	4.31
	COP			4.40	4.44	3.80	3.97	3.80	3.87
	Annual energy consumption	kWh		389	379	625	608	741	696
	Energy labeling	Cooling Heating Directive		A				C	A
Space cooling	Energy efficiency class			A++					
	Capacity Pdesign	kW		3.50		5.00		6.00	
	SEER			6.12	6.17	6.30	6.63	6.15	6.25
	Annual energy consumption	kWh/a		200	199	278	264	341	336
Space heating (Average climate)	Energy efficiency class			A+					
	Capacity Pdesign	kW		4.20		4.30		4.50	
	SCOP/A			4.10	4.14	4.10	4.28	4.10	4.18
	SCOPnet/A			4.14	4.18	4.13	4.32	4.13	4.21
Space heating (Average climate)	Pdh Heating capacity at -10°	kW		3.49	3.51	3.65	3.75	3.85	3.86
	Annual energy consumption	kWh/a		1,434	1,420	1,469	1,406	1,537	1,508
Space cooling	Required back up heating cap at design conditions	kW		0.71	0.69	0.65	0.55	0.65	0.64
	A Pdc	kW		3.50		5.00		6.00	
	Condition EERd			4.50	4.62	4.00	4.11	4.05	4.31
	(35°C - 27/19) Power input	kW		0.78	0.76	1.25	1.22	1.48	1.39
	B Pdc	kW		2.58		3.68		4.42	
	Condition EERd			6.10	6.38	5.55	5.86	5.20	5.22
	(30°C - 27/19) Power input	kW		0.42	0.40	0.66	0.63	0.85	
	C Pdc	kW		1.99	1.87	2.37		2.85	2.84
	Condition EERd			8.14	8.00	8.12	8.65	7.65	7.76
	(25°C - 27/19) Power input	kW		0.24	0.23	0.29	0.27	0.37	
Space heating (Average climate)	D Pdc	kW		1.92	1.85	1.92	1.88	1.93	1.92
	Condition EERd			9.76	9.52	9.70	10.29	9.25	9.41
	(20°C - 27/19) Power input	kW		0.20	0.19	0.20	0.18	0.21	0.20
	TOL Tol (temperature operating limit)	°C		-20					
	Pdh (declared heating cap)	kW		2.74	2.84	3.15	3.59	3.42	3.48
	COPd (declared COP)			2.14	2.21	2.06	2.26	2.02	2.24
	Power input	kW		1.28	1.29	1.53	1.59	1.69	1.55
	TBivalent Tbiv (bivalent temperature)	°C		-7	-7.0	-7	-7.0	-7	-7.0
	Pdh (declared heating cap)	kW		3.73	3.71	3.80		3.98	
	COPd (declared COP)			3.04	3.14	3.03	3.20	3.01	3.14
	Power input	kW		1.23	1.18	1.25	1.19	1.32	1.27
	A Pdh (declared heating cap)	kW		3.73	3.71	3.80		3.98	
	Condition COPd (declared COP)			3.04	3.11	3.03	3.20	3.01	3.14
	(-7°C) Power input	kW		1.23	1.19	1.25	1.19	1.32	1.27
	B Pdh (declared heating cap)	kW		2.29	2.26	2.31	2.32	2.42	
	Condition COPd (declared COP)			3.98	4.01	3.98	4.14	3.97	4.04
	(2°C) Power input	kW		0.58	0.56	0.58	0.56	0.61	0.60
	C Pdh (declared heating cap)	kW		1.56	1.45	1.56	1.49	1.57	1.56
	Condition COPd (declared COP)			5.10	5.12	5.09	5.32	5.13	5.17
	(7°C) Power input	kW		0.31	0.28	0.31	0.28	0.31	0.30
D Pdh (declared heating cap)	kW		1.84	1.85	1.84	1.87	1.85	1.87	
Condition COPd (declared COP)			6.26		6.53		6.29	6.31	
(12°C) Power input	kW		0.29	0.300	0.29		0.30		
Power consumption in other than active mode	Crankcase heater	Cooling PCK Heating PCK	kW	0.000					
	Off mode	Cooling POFF Heating POFF	kW	0.012					
Power consumption in other than active mode	Standby mode	Cooling PSB Heating PSB	kW	0.012					
	Thermostat-off mode	Cooling PTO Heating PTO	kW	0.004					
Cooling	Cdc (Degradation cooling)		0.25						
Heating	Cdh (Degradation heating)		0.25						
Cooling function included			Yes						
Heating function included			Yes						
Average climate included			Yes						
Cold season included			No						
Warm season included			No						

## 2 Specifications

### 1 - 1 RZAG-A

2

Technical specifications					FBA35A9 + RZAG35A	FBA50A9 + RZAG35A	FBA50A9 + RZAG50A	FBA60A9 + RZAG50A	FBA60A9 + RZAG60A	FBA71A9 + RZAG60A
Eurovent	Sound power level outdoor	Cooling	Nom.	dBa	62		63		64	
	Sound power level indoor	Cooling	Nom.	dBa	60			56		
	Piping length	Cooling	Measuring condition	m	5.0					

Technical specifications				FTXM35R + RZAG35A	FTXM35R + RZAG35A	FTXM50R + RZAG35A	FTXM50R + RZAG50A	FTXM60R + RZAG50A	FTXM60R + RZAG60A		
Cooling capacity	Min.		kW	1.6		1.60		1.70		1.7	
	Min.		Btu/h	5,500.0		5,500		5,800.0		5,800.0	
	Min.		kcal/h	1,376.0		1,376		1,462.0		1,462.0	
	Nom.		kW	3.5		3.50		5.0		5.00	
	Nom.		Btu/h	11,900.0		11,900		17,100.0		17,100	
	Nom.		kcal/h	3,009.0		3,009		4,299.0		4,299	
	Max.		kW	5.0		5.00		6.0		6.00	
	Max.		Btu/h	17,000.0		17,100		20,500.0		20,500	
	Max.		kcal/h	4,299.0		4,299		5,159.0		5,159	
	Heating capacity	Min.		kW	1.40				1.50		1.60
Min.			Btu/h	4,780.0		4,800		5,100.0		5,100	
Min.			kcal/h	1,200.0		1,200		1,290.0		1,300	
Nom.			kW	4.00				6.00		7.00	
Nom.			Btu/h	13,700.0		13,600		20,500.0		20,500	
Nom.			kcal/h	3,439.0		3,439		5,159.0		5,159	
Max.			kW	5.30				6.50		7.50	
Max.			Btu/h	18,000.0		18,100		22,200.0		22,200	
Max.			kcal/h	4,557.0		4,557		5,589.0		5,589	
Power input		Cooling	Nom.	kW	0.81				1.25		1.24
	Heating	Nom.	kW	1.04		1.02		1.50		1.47	
Nominal efficiency	EER			4.30		4.32		4.00		4.04	
	COP			3.85		3.93		4.00		4.08	
	Annual energy consumption		kWh	407		405		625		619	
	Energy labeling Directive	Cooling						A		A	
Space cooling	Energy efficiency class									A++	
	Capacity Pdesign		kW	3.50				5.00		6.00	
	SEER			7.70		7.76		7.41		7.53	
	Annual energy consumption		kWh/a	159		158		236		232	
Space heating (Average climate)	Energy efficiency class									A+	
	Capacity Pdesign		kW	2.60				4.50		4.60	
	SCOP/A			4.60		4.68		4.60		4.69	
	SCOPnet/A			4.63		4.70		4.64		4.73	
	Pdh Heating capacity at -10°		kW	2.47				3.89		4.02	
	Annual energy consumption		kWh/a	790		778		1,369		1,344	
	Required back up heating cap at design conditions		kW	0.13				0.61		0.58	
	Space cooling	A	Pdc	kW	3.50				5.00		6.00
		Condition (35°C - 27/19)	EERd		4.30		4.32		4.00		4.04
			Power input	kW	0.81				1.25		1.24
B		Pdc	kW	2.58				3.68		4.42	
		EERd		6.09		6.15		5.38		5.49	
Condition (30°C - 27/19)		Power input	kW	0.42				0.68		0.67	
		C	Pdc	kW	1.80				2.37		2.84
Condition (25°C - 27/19)		EERd		9.34		9.43		8.82		8.99	
		Power input	kW	0.19				0.27		0.26	
D		Pdc	kW	1.91		1.89		2.08		2.10	
		Condition (20°C - 27/19)	EERd		12.34		12.41		13.03		13.16
Power input		kW	0.15				0.16				

## 2 Specifications

### 1 - 1 RZAG-A

Technical specifications				FTXM35R + RZAG35A	FTXM35R + RZAG35A	FTXM50R + RZAG35A	FTXM50R + RZAG50A	FTXM60R + RZAG50A	FTXM60R + RZAG60A
Space heating (Average climate)	TOL	Tol (temperature operating limit) °C		-20					
		Pdh (declared heating cap) kW		3.03		3.61		3.85	
		COPd (declared COP)		2.35	2.37	2.29	2.31	2.22	
	Power input kW		1.29	1.28	1.58	1.56	1.73		
	TBivalent	Tbiv (bivalent temperature) °C		-7					
		Pdh (declared heating cap) kW		2.31	2.30	3.98		4.07	
		COPd (declared COP)		3.00	3.06	3.00	3.06	2.74	
	Power input kW		0.77	0.75	1.33	1.30	1.49		
	A	Pdh (declared heating cap) kW		2.31	2.30	3.98		4.07	
		COPd (declared COP)		3.00	3.06	3.00	3.06	2.74	
		Power input kW		0.77	0.75	1.33	1.30	1.49	
	Condition (-7°C)	Pdh (declared heating cap) kW		1.35	1.40	2.44	2.42	2.48	
		COPd (declared COP)		4.67	4.76	4.49	4.58	4.27	
		Power input kW		0.29		0.54	0.53	0.58	
	C	Pdh (declared heating cap) kW		1.31	1.42	1.56		1.59	
		COPd (declared COP)		6.13	6.25	6.00	6.12	5.71	
		Power input kW		0.21	0.23	0.26	0.25	0.28	
	D	Pdh (declared heating cap) kW		1.54	1.66	1.67		1.67	
		COPd (declared COP)		7.43	7.58	7.76	7.84	7.50	
		Power input kW		0.21		0.22	0.21	0.22	
Power consumption in other than active mode	Crankcase heater	Cooling PCK	kW		0.000				
		Heating PCK	kW		0.000				
	Off mode	Cooling POFF	kW		0.001				
		Heating POFF	kW		0.001				
	Standby mode	Cooling PSB	kW		0.001				
Power consumption in other than active mode	Standby mode	Heating PSB	kW		0.001				
		Thermostat-off mode	Cooling PTO	kW		0.012			
Heating PTO	kW		0.013						
Cooling	Cdc (Degradation cooling)				0.25				
Heating	Cdh (Degradation heating)				0.25				
Cooling function included				Yes					
Heating function included				Yes					
Average climate included				Yes					
Cold season included				No					
Warm season included				No					
Eurovent	Sound power level outdoor	Cooling	Nom.	dBa	62		63		64
	Sound power level indoor	Cooling	Nom.	dBa	58			60	
	Piping length	Cooling	Measuring condition	m	5.0	5.00	5.0	5.00	5.0

Technical specifications				FTXM71R + RZAG60A				
Cooling capacity	Min.	kW		1.70				
	Min.	Btu/h		5,800				
	Min.	kcal/h		1,462				
	Nom.	kW		6.00				
	Nom.	Btu/h		20,500				
	Nom.	kcal/h		5,159				
	Max.	kW		6.80				
	Max.	Btu/h		23,200				
Heating capacity	Min.	kW		1.60				
	Min.	Btu/h		5,500				
	Min.	kcal/h		1,400				
	Nom.	kW		7.00				
	Nom.	Btu/h		23,900				
	Nom.	kcal/h		6,019				
	Max.	kW		7.50				
	Max.	Btu/h		25,600				
Power input	Cooling	Nom.	kW	1.71				
	Heating	Nom.	kW	1.90				

## 2 Specifications

### 1 - 1 RZAG-A

Technical specifications				FTXM71R + RZAG60A		
Nominal efficiency	EER			3.50		
	COP			3.68		
	Annual energy consumption	kWh		857		
	Energy labeling	Cooling		A		
		Heating		A		
Directive						
Space cooling	Energy efficiency class			A++		
	Capacity	Pdesign	kW	6.00		
	SEER			6.90		
	Annual energy consumption	kWh/a		304		
Space heating (Average climate)	Energy efficiency class			A+		
	Capacity	Pdesign	kW	4.50		
	SCOP/A			4.40		
	SCOPnet/A			4.43		
	Pdh Heating capacity at -10°	kW		3.95		
	Annual energy consumption	kWh/a		1,433		
	Required back up heating cap at design conditions	kW		0.55		
Space cooling	A	Pdc	kW	6.00		
	Condition	EERd		3.50		
	(35°C - 27/19)	Power input	kW	1.71		
	B	Pdc	kW	4.42		
	Condition	EERd		4.82		
	(30°C - 27/19)	Power input	kW	0.92		
	C	Pdc	kW	2.84		
	Condition	EERd		8.15		
	(25°C - 27/19)	Power input	kW	0.35		
	D	Pdc	kW	2.10		
	Condition	EERd		12.96		
	(20°C - 27/19)	Power input	kW	0.16		
	Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-20	
			Pdh (declared heating cap)	kW	3.85	
			COPd (declared COP)		2.24	
		Power input	kW	1.72		
TBivalent		Tbiv (bivalent temperature)	°C	-7		
		Pdh (declared heating cap)	kW	4.07		
		COPd (declared COP)		2.77		
		Power input	kW	1.47		
A		Pdh (declared heating cap)	kW	4.07		
Condition		COPd (declared COP)		2.77		
(-7°C)		Power input	kW	1.47		
B		Pdh (declared heating cap)	kW	2.48		
Condition		COPd (declared COP)		4.31		
(2°C)		Power input	kW	0.58		
C		Pdh (declared heating cap)	kW	1.59		
Condition		COPd (declared COP)		5.77		
(7°C)		Power input	kW	0.28		
D		Pdh (declared heating cap)	kW	1.67		
Condition		COPd (declared COP)		7.58		
(12°C)		Power input	kW	0.22		
Power consumption in other than active mode		Crankcase heater	Cooling	PCK	kW	0.000
			Heating	PCK	kW	0.000
		Off mode	Cooling	POFF	kW	0.001
	Heating		POFF	kW	0.001	
	Standby mode	Cooling	PSB	kW	0.001	
Power consumption in other than active mode	Standby mode	Heating	PSB	kW	0.001	
	Thermostat-off mode	Cooling	PTO	kW	0.012	
		Heating	PTO	kW	0.013	
Cooling	Cdc (Degradation cooling)			0.25		
Heating	Cdh (Degradation heating)			0.25		
Cooling function included				Yes		
Heating function included				Yes		
Average climate included				Yes		
Cold season included				No		
Warm season included				No		

## 2 Specifications

### 1 - 1 RZAG-A

Technical specifications					FTXM71R + RZAG60A	
Eurovent	Sound power level outdoor	Cooling	Nom.	dBa	64	
	Sound power level indoor	Cooling	Nom.	dBa	62	
	Piping length	Cooling	Measuring condition	m	5.00	

Technical specifications				FHA35A9 + RZAG35A	FHA50A9 + RZAG35A	FHA50A9 + RZAG50A	FHA60A9 + RZAG50A	FHA60A9 + RZAG60A	FHA71A9 + RZAG60A
Indoor unit				-		FHA50AVEB9		FHA60AVEB9	
Outdoor unit				-		RZAG35A2V1B		RZAG50A2V1B	
Cooling capacity						RZAG60A2V1B			
Cooling capacity	Min.		kW	1.7				1.9	
	Min.		Btu/h	5,800.0				6,500.0	
	Min.		kcal/h	1,462.0				1,634.0	
	Nom.		kW	3.5		5.0		6.0	6.00
	Nom.		Btu/h	11,900.0		17,100.0		20,500.0	20,500
	Nom.		kcal/h	3,009.0		4,299.0		5,159.0	
	Max.		kW	4.5		6.0		6.8	
	Max.		Btu/h	15,400.0		20,500.0		23,200.0	5,847.0
Heating capacity	Min.		kW	1.40		1.70			
	Min.		Btu/h	4,780.0		4,800.0		5,800.0	
	Min.		kcal/h	1,200.0		1,460.0		1,500.0	1,460.0
	Nom.		kW	4.00		5.80		6.00	7.00
	Nom.		Btu/h	13,700.0		13,600.0		19,800.0	20,500.0
	Nom.		kcal/h	3,439.0		4,987.0		5,159.0	6,019.0
	Max.		kW	5.50		6.50		7.50	
	Max.		Btu/h	18,800.0		22,200.0		25,590.0	25,600.0
Power input	Cooling	Nom.	kW	0.76	0.69	1.22	1.18	1.54	1.38
	Heating	Nom.	kW	0.98	0.96	1.56	1.60	2.06	1.99
Nominal efficiency	EER			4.60	5.05	4.10	4.24	3.90	4.35
	COP			4.10	4.18	3.71	3.75	3.40	3.52
	Annual energy consumption		kWh	380	347	610	590	769	690
	Energy labeling Directive	Cooling Heating		A				C	B
Space cooling	Energy efficiency class			A++					
	Capacity Pdesign		kW	3.50		5.00		6.00	
	SEER			6.40	6.65	6.80	7.02	6.60	6.81
	Annual energy consumption		kWh/a	191	184	257	249	318	308
Space heating (Average climate)	Energy efficiency class			A+					
	Capacity Pdesign		kW	3.10		4.00		4.60	
	SCOP/A			4.10	4.18	4.30	4.44	4.20	4.35
	SCOPnet/A			4.13	4.22	4.34	4.48	4.25	4.39
Space heating (Average climate)	Pdh Heating capacity at -10°		kW	2.75	2.77	3.46	3.48	3.93	3.96
	Annual energy consumption		kWh/a	1,058	1,038	1,302	1,261	1,633	1,480
Space cooling	Required back up heating cap at design conditions		kW	0.35	0.33	0.54	0.52	0.97	0.64
	A	Pdc	kW	3.50		5.00		6.00	
	Condition (35°C - 27/19)	EERd Power input	kW	4.60	5.05	4.10	4.24	3.90	4.35
			kW	0.76	0.69	1.22	1.18	1.54	1.38
	B	Pdc	kW	2.58		3.68		4.42	
	Condition (30°C - 27/19)	EERd Power input	kW	6.47	6.72	6.29	6.60	5.55	5.74
			kW	0.41	0.38	0.59	0.56	0.80	0.77
	C	Pdc	kW	2.46	2.21	2.46	2.54	2.85	2.84
	Condition (25°C - 27/19)	EERd Power input	kW	8.52	8.81	8.52	8.83	8.27	8.49
			kW	0.29	0.25	0.29		0.34	0.33
	D	Pdc	kW	2.05	2.17	2.10	2.20	2.12	2.26
	Condition (20°C - 27/19)	EERd Power input	kW	11.30	11.50	11.19	11.49	10.98	11.15
		kW	0.18		0.19			0.20	

## 2 Specifications

### 1 - 1 RZAG-A

2

Technical specifications				FHA35A9 + RZAG35A	FHA50A9 + RZAG35A	FHA50A9 + RZAG50A	FHA60A9 + RZAG50A	FHA60A9 + RZAG60A	FHA71A9 + RZAG60A
Space heating (Average climate)	TOL	Tol (temperature operating limit) °C		-20					
		Pdh (declared heating cap) kW		2.79	2.87	3.20	3.30	3.48	3.59
		COPd (declared COP)		2.12	2.05	2.09	1.98	2.00	2.02
		Power input kW		1.32	1.40	1.53	1.67	1.74	1.78
TBivalent	Tbiv	(bivalent temperature) °C		-7	-7.0	-7	-7.0	-7	-7.0
		Pdh (declared heating cap) kW		2.74		3.54		4.07	
		COPd (declared COP)		2.90	2.96	2.93	3.03	2.73	3.04
		Power input kW		0.94	0.93	1.21	1.17	1.49	1.34
A		Pdh (declared heating cap) kW		2.74		3.54		4.07	
	Condition (-7°C)	COPd (declared COP)		2.90	2.96	2.93	3.03	2.73	3.04
		Power input kW		0.94	0.93	1.21	1.17	1.49	1.34
B		Pdh (declared heating cap) kW		1.76	1.74	2.15		2.48	
	Condition (2°C)	COPd (declared COP)		4.00	4.08	4.17	4.35	4.07	4.14
		Power input kW		0.44	0.43	0.52	0.49	0.61	0.60
C		Pdh (declared heating cap) kW		1.63	1.65	1.64	1.65	1.64	1.66
	Condition (7°C)	COPd (declared COP)		5.59	5.70	5.79	5.97	5.68	5.76
		Power input kW		0.29		0.28		0.29	
D		Pdh (declared heating cap) kW		1.77	1.80	1.79	1.80	1.78	1.81
	Condition (12°C)	COPd (declared COP)		6.86	7.03	7.18	7.02	7.06	7.09
		Power input kW		0.26	0.260	0.25	0.26	0.25	0.26
Power consumption in other than active mode	Crankcase heater	Cooling	PCK			0.000			
		Heating	PCK			0.000			
Power consumption in other than active mode	Off mode	Cooling	POFF			0.012			
		Heating	POFF			0.012			
	Standby mode	Cooling	PSB			0.012			
		Heating	PSB			0.012			
Thermostat-off mode		Cooling	PTO			0.004			
		Heating	PTO			0.023			
Cooling	Cdc (Degradation cooling)					0.25			
Heating	Cdh (Degradation heating)					0.25			
Cooling function included						Yes			
Heating function included						Yes			
Average climate included						Yes			
Cold season included						No			
Warm season included						No			
Eurovent	Sound power level outdoor	Cooling	Nom.	62		63		64	
	Sound power level indoor	Cooling	Nom.	53		54		55	
	Piping length	Cooling	Measuring condition			5.0			

Technical specifications				FNA35A9 + RZAG35A	FNA50A9 + RZAG35A	FNA50A9 + RZAG50A	FNA60A9 + RZAG50A	FNA60A9 + RZAG60A
Indoor unit				-		FNA50A2VEB9		FNA60A2VEB9
Outdoor unit				-		RZAG35A2V1B		RZAG60A2V1B
Cooling capacity	Min.	kW		1.6		1.7		
	Min.	Btu/h		5,500.0		5,800.0		
	Min.	kcal/h		1,376.0		1,462.0		
	Nom.	kW		3.5		5.0		6.0
	Nom.	Btu/h		11,900.0		17,100.0		20,500.0
	Nom.	kcal/h		3,009.0		4,299.0		5,159.0
	Max.	kW		4.5		6.0		6.5
	Max.	Btu/h		15,400.0		20,500.0		22,200.0
	Max.	kcal/h		3,869.0		5,159.0		5,589.0
Heating capacity	Min.	kW		1.40		1.70		
	Min.	Btu/h		4,780.0		4,800.0		5,800.0
	Min.	kcal/h		1,200.0		1,460.0		1,500.0
	Nom.	kW		4.00		5.00		7.00
	Nom.	Btu/h		13,700.0		13,600.0		17,100.0
	Nom.	kcal/h		3,439.0		4,299.0		6,019.0
	Max.	kW		5.00		6.00		7.50
	Max.	Btu/h		17,000.0		17,100.0		20,500.0
	Max.	kcal/h		4,299.0		5,159.0		6,449.0
Power input	Cooling	Nom.	kW	0.90	0.86	1.32	1.26	1.76
	Heating	Nom.	kW	1.14	1.10	1.47	1.45	2.12



## 2 Specifications

### 1 - 1 RZAG-A

Technical specifications				FNA35A9 + RZAG35A	FNA50A9 + RZAG35A	FNA50A9 + RZAG50A	FNA60A9 + RZAG50A	FNA60A9 + RZAG60A
Nominal efficiency	EER			3.90	4.05	3.80	3.98	3.40
	COP			3.50	3.63	3.40	3.44	3.30
	Annual energy consumption	kWh		449	432	658	628	882
	Energy labeling	Cooling				A		
	Heating		B	A	C	B	C	
	Directive							
Space cooling	Energy efficiency class					A+		
	Capacity	Pdesign	kW	3.50		5.00		6.00
	SEER			5.90	6.08	5.90	5.98	5.70
	Annual energy consumption		kWh/a	208	201	297	293	368
Space heating (Average climate)	Energy efficiency class			A	A+	A		
	Capacity	Pdesign	kW	3.50	4.20	4.30		4.50
	SCOP/A			3.90	4.05	3.90	3.94	3.90
	SCOPnet/A			3.94	4.09	3.94	3.97	3.93
	Pdh Heating capacity at -10°		kW	2.99	3.49	3.62	3.63	3.82
Space heating (Average climate)	Annual energy consumption		kWh/a	1,255	1,452	1,542	1,528	1,616
	Required back up heating cap at design conditions		kW	0.51	0.71	0.68	0.67	0.68
Space cooling	A	Pdc	kW	3.50		5.00		6.00
	Condition	EERd		3.90	4.05	3.80	3.98	3.40
	(35°C - 27/19)	Power input	kW	0.90	0.86	1.32	1.26	1.76
	B	Pdc	kW	2.58		3.68		4.42
	Condition	EERd		5.52	5.79	5.12	5.20	4.68
	(30°C - 27/19)	Power input	kW	0.47	0.45	0.72	0.71	0.94
	C	Pdc	kW	2.00	2.06	2.37		2.84
	Condition	EERd		8.17	8.46	7.57	7.65	7.28
	(25°C - 27/19)	Power input	kW	0.24		0.31		0.39
	D	Pdc	kW	2.02		2.09		
	Condition	EERd		9.76	10.07	9.09	9.14	8.85
	(20°C - 27/19)	Power input	kW	0.21		0.23		0.24
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-20				
	Pdh (declared heating cap)		kW	2.64	2.73	3.01	3.08	3.30
	COPd (declared COP)			2.05	1.98		1.96	1.94
	Power input		kW	1.29	1.38	1.52	1.57	1.70
	TBivalent	Tbiv (bivalent temperature)	°C	-7	-7.0	-7	-7.0	-7
	Pdh (declared heating cap)		kW	3.10	3.72	3.80		3.98
	COPd (declared COP)			2.51	2.59	2.32	2.34	2.31
	Power input		kW	1.24	1.44	1.66	1.62	1.72
	A	Pdh (declared heating cap)	kW	3.10	3.72	3.80		3.98
	Condition	COPd (declared COP)		2.51	2.59	2.32	2.34	2.31
	(-7°C)	Power input	kW	1.24	1.44	1.64	1.62	1.72
	B	Pdh (declared heating cap)	kW	1.89	2.26	2.32		2.42
	Condition	COPd (declared COP)		3.76	3.85	4.02	4.03	4.01
	(2°C)	Power input	kW	0.50	0.59	0.58		0.60
	C	Pdh (declared heating cap)	kW	1.45	1.51			1.61
	Condition	COPd (declared COP)		5.53	5.69	4.90	5.02	4.90
	(7°C)	Power input	kW	0.26	0.27	0.33	0.32	0.33
	D	Pdh (declared heating cap)	kW	1.54	1.60	1.59	1.80	1.59
	Condition	COPd (declared COP)		6.76	6.97	6.53	6.70	6.52
	(12°C)	Power input	kW	0.23	0.230	0.24	0.27	0.24
Power consumption in other than active mode	Crankcase heater	Cooling	PCK	kW	0.000			
		Heating	PCK	kW	0.000			
	Off mode	Cooling	POFF	kW	0.012			
	Off mode	Heating	POFF	kW	0.012			
	Standby mode	Cooling	PSB	kW	0.012			
		Heating	PSB	kW	0.012			
Power consumption in other than active mode	Thermostat-off mode	Cooling	PTO	kW	0.004			
		Heating	PTO	kW	0.023			
Cooling	Cdc (Degradation cooling)			0.25				
Heating	Cdh (Degradation heating)			0.25				
Cooling function included				Yes				
Heating function included				Yes				
Average climate included				Yes				
Cold season included				No				
Warm season included				No				

## 2 Specifications

### 1 - 1 RZAG-A

2

Technical specifications					FNA35A9 + RZAG35A	FNA50A9 + RZAG35A	FNA50A9 + RZAG50A	FNA60A9 + RZAG50A	FNA60A9 + RZAG60A
Eurovent	Sound power level outdoor	Cooling	Nom.	dBa	62		63		64
	Sound power level indoor	Cooling	Nom.	dBa	53	56			
	Piping length	Cooling	Measuring condition	m	5.0				



# 3 Electrical data

## 3 - 1 Electrical Data

### RZAG60A

3

Unit combination restrictions		Power supply				COMP		OFM		IFM		
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG60A2V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17,10	20	70	7,3	0,058	0,38	0,060	0,9
		50	230					6,9				
		50	240					6,7				
RZAG60A2V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,70	20	70	9,0	0,058	0,38	0,050	0,6
		50	230					8,6				
		50	240					8,2				
RZAG60A2V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17,40	20	65	7,0	0,058	0,38	0,070	1,3
		50	230					6,7				
		50	240					6,4				
RZAG60A2V1B	FCAG60BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,40	20	72	7,2	0,058	0,38	0,048	0,3
		50	230					6,9				
		50	240					6,9				
RZAG60A2V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,70	20	70	9,0	0,058	0,38	0,060	0,6
		50	230					8,6				
		50	240					8,3				
RZAG60A2V1B	FTXM60N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,70	20	71	8,4	0,058	0,38	0,046	0,6
		50	230					8,1				
		50	240					7,7				
RZAG60A2V1B	FHA60AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,70	20	67	8,1	0,058	0,38	0,091	0,6
		50	230					7,7				
		50	240					7,4				
RZAG60A2V1B	FBA71A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17,40	20	65	8,9	0,058	0,38	0,070	1,3
		50	230					8,5				
		50	240					8,1				
RZAG60A2V1B	FCAG71BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,40	20	72	7,5	0,058	0,38	0,054	0,3
		50	230					7,2				
		50	240					6,9				
RZAG60A2V1B	FTXM71N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,70	20	71	8,4	0,058	0,38	0,052	0,6
		50	230					8,0				
		50	240					7,7				
RZAG60A2V1B	FHA71AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,90	20	67	8,1	0,058	0,38	0,091	0,8
		50	230					7,7				
		50	240					7,4				
RZAG60A2V1B	FTXM60R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,70	20	71	8,4	0,058	0,38	0,046	0,6
		50	230					8,1				
		50	240					7,7				
RZAG60A2V1B	FTXM71R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,70	20	71	8,4	0,058	0,38	0,052	0,6
		50	230					8,0				
		50	240					7,7				

Notes

1) The 'RLA' is based on the following conditions.

Outdoor temperature -35°C DB

Indoor temperature -27°C DB / -19°C WB

2) Select the wire size according to the MCA.

3) The maximum allowable voltage that is unbalanced between phases is -2%.

4) Use a circuit breaker instead of a fuse.

Symbols

MCA: Minimum Circuit Ampere [A]

MFA: Maximum Fuse Ampere [A]

RLA: Rated load amps [A]

OFM: Outdoor fan motor

IFM: Indoor fan motor

FLA: Full load amps [A]

kW: Fan motor rated output [kW]

RHz: Rated operating frequency [Hz]

**3D118441B**

# 4 Options

## 4 - 1 Options

RZAG35A  
RZAG60A

Option kit	Description	Product name	
		RZAG35A2V1B	RZAG60A2V1B
ASYCPIR	Asymmetric combinations piping reducer	✓	✓

**4D121273**

5 Capacity tables
5 - 1 Cooling Capacity Tables

FCAG50B / RZAG35A

Cooling

Table with columns for Indoor (RH, EWB, EDB, %), Outdoor temperature (°C DB) from -20 to 25, and rows for various indoor conditions (e.g., 18°C, 20°C, 22°C, 24°C, 27°C).

Symbols

- EWB : Entering wet-bulb temperature (°C WB)
EDB : Entering dry-bulb temperature (°C DB)
TC : Total capacity [kW]
SHC : Sensible heat capacity [kW]
PI : Power input [kW]
RH : Relative humidity [%]

Notes

- 1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. When the system performs indoor de-icing operation, these net capacities may change.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. The capacities are based on the following conditions: Corresponding refrigerant piping length: 5- m Level difference: 0-m

3D120435A

FCAG60B / RZAG50A

Cooling

Table with columns for Indoor (RH, EWB, EDB, %), Outdoor temperature (°C DB) from -20 to 30, and rows for various indoor conditions (e.g., 18°C, 20°C, 22°C, 24°C, 27°C).

Symbols

- EWB : Entering wet-bulb temperature (°C WB)
EDB : Entering dry-bulb temperature (°C DB)
TC : Total capacity [kW]
SHC : Sensible heat capacity [kW]
PI : Power input [kW]
RH : Relative humidity [%]

Notes

- 1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. When the system performs indoor de-icing operation, these net capacities may change.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. The capacities are based on the following conditions: Corresponding refrigerant piping length: 5- m Level difference: 0-m

3D120436A

5 Capacity tables
5 - 1 Cooling Capacity Tables

FCAG71B / RZAG60A

Cooling

Table with columns for Indoor (RH, EWB, EDB, % °C, °C) and Outdoor temperature (°C DB) ranging from -20 to 30. Rows show capacity values for various indoor conditions and outdoor temperatures.

Symbols

- EWB : Entering wet-bulb temperature (°C WB)
EDB : Entering dry-bulb temperature (°C DB)
TC : Total capacity [kW]
SHC : Sensible heat capacity [kW]
PI : Power input [kW]
RH : Relative humidity [%]

Notes

- 1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. When the system performs indoor de-icing operation, these net capacities may change.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. The capacities are based on the following conditions: Corresponding refrigerant piping length: 5 m Level difference: 0m

3D120437A

FFA50A9 / RZAG35A

Cooling

Table with columns for Indoor (RH, EWB, EDB, % °C, °C) and Outdoor temperature (°C DB) ranging from -20 to 40. Rows show capacity values for various indoor conditions and outdoor temperatures.

Symbols

- EWB : Entering wet-bulb temperature (°C WB)
EDB : Entering dry-bulb temperature (°C DB)
TC : Total capacity [kW]
SHC : Sensible heat capacity [kW]
PI : Power input [kW]
RH : Relative humidity [%]

Notes

- 1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. When the system performs indoor de-icing operation, these net capacities may change.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. The capacities are based on the following conditions: Corresponding refrigerant piping length: 5 m Level difference: 0m

3D120430





# 5 Capacity tables

## 5 - 1 Cooling Capacity Tables

### FDXM60F9 / RZAG50A

**Cooling**

Indoor		Outdoor temperature [°C DB]																																																						
		-20			-15			-10			-5			0			5			10			15			20			25			30			35			40																		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI													
RH	EWB	EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
% °C	°C	°C	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI
41.8	11	18	3.64	3.64	0.31	3.64	3.64	0.34	3.64	3.64	0.38	3.64	3.64	0.42	3.64	3.64	0.46	3.64	3.64	0.50	3.64	3.64	0.60	3.64	3.64	0.71	3.64	3.64	0.82	3.64	3.64	0.93	3.64	3.64	1.05	3.64	3.64	1.17	3.64	3.64	1.17	3.64	3.64	1.17	3.64	3.64	1.30	3.64	3.64	1.33	3.64	3.64	1.33			
57	13	18	5.01	3.68	0.40	5.01	3.68	0.44	5.01	3.68	0.48	5.01	3.68	0.53	5.01	3.68	0.57	5.01	3.68	0.63	5.01	3.68	0.74	5.01	3.68	0.85	5.01	3.68	0.96	4.77	3.56	1.05	4.54	3.45	1.15	4.31	3.33	1.24	4.08	3.22	1.33	4.08	3.22	1.33	4.08	3.22	1.33	4.08	3.22	1.33						
31.4	11	18	3.63	3.63	0.31	3.63	3.63	0.34	3.63	3.63	0.38	3.63	3.63	0.42	3.63	3.63	0.46	3.63	3.63	0.50	3.63	3.63	0.60	3.63	3.63	0.70	3.63	3.63	0.81	3.63	3.63	0.93	3.63	3.63	1.05	3.63	3.63	1.17	3.63	3.63	1.17	3.63	3.63	1.17	3.63	3.63	1.30	3.63	3.63	1.33	3.63	3.63	1.33			
44.9	13	20	5.01	4.25	0.40	5.01	4.25	0.44	5.01	4.25	0.48	5.01	4.25	0.52	5.01	4.25	0.57	5.01	4.25	0.63	5.01	4.25	0.73	5.01	4.25	0.85	5.01	4.25	0.96	4.77	4.14	1.05	4.54	4.02	1.15	4.31	3.91	1.24	4.08	3.79	1.33	4.08	3.79	1.33	4.08	3.79	1.33	4.08	3.79	1.33	4.08	3.79	1.33			
52	14	20	5.12	3.94	0.43	5.12	3.94	0.48	5.12	3.94	0.53	5.12	3.94	0.57	5.12	3.94	0.63	5.12	3.94	0.68	5.12	3.94	0.78	5.12	3.94	0.87	5.12	3.94	0.96	4.89	3.83	1.06	4.66	3.71	1.15	4.42	3.60	1.24	4.19	3.49	1.33	4.19	3.49	1.33	4.19	3.49	1.33	4.19	3.49	1.33						
22.9	11	18	3.62	3.62	0.31	3.62	3.62	0.34	3.62	3.62	0.38	3.62	3.62	0.42	3.62	3.62	0.46	3.62	3.62	0.50	3.62	3.62	0.60	3.62	3.62	0.70	3.62	3.62	0.81	3.62	3.62	0.93	3.62	3.62	1.05	3.62	3.62	1.17	3.62	3.62	1.17	3.62	3.62	1.17	3.62	3.62	1.30	3.62	3.62	1.33	3.62	3.62	1.33			
34.8	13	22	5.01	4.83	0.39	5.01	4.83	0.43	5.01	4.83	0.48	5.01	4.83	0.52	5.01	4.83	0.57	5.01	4.83	0.62	5.01	4.83	0.73	5.01	4.83	0.85	5.01	4.83	0.96	4.77	4.71	1.05	4.54	4.54	1.15	4.31	4.31	1.24	4.08	4.08	1.33	4.08	4.08	1.33	4.08	4.08	1.33	4.08	4.08	1.33						
47.6	15	18	5.24	4.19	0.54	5.24	4.19	0.59	5.24	4.19	0.64	5.24	4.19	0.69	5.24	4.19	0.69	5.24	4.19	0.69	5.24	4.19	0.69	5.24	4.19	0.87	5.24	4.19	0.87	5.00	4.08	1.06	4.77	3.97	1.15	4.54	3.87	1.24	4.31	3.76	1.34	4.31	3.76	1.34	4.31	3.76	1.34	4.31	3.76	1.34						
54.3	16	18	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.78	5.35	3.87	0.88	5.35	3.87	0.97	5.12	3.77	1.06	4.89	3.66	1.15	4.65	3.56	1.25	4.42	3.45	1.34	4.42	3.45	1.34	4.42	3.45	1.34						
21.2	12	18	4.29	4.29	0.35	4.29	4.29	0.39	4.29	4.29	0.43	4.29	4.29	0.47	4.29	4.29	0.52	4.29	4.29	0.56	4.29	4.29	0.67	4.29	4.29	0.78	4.29	4.29	0.89	4.29	4.29	1.01	4.29	4.29	1.13	4.19	4.19	1.24	3.96	3.96	1.33	3.96	3.96	1.33	3.96	3.96	1.33									
32.1	14	24	5.12	5.08	0.43	5.12	5.08	0.48	5.12	5.08	0.52	5.12	5.08	0.57	5.12	5.08	0.63	5.12	5.08	0.68	5.12	5.08	0.78	5.12	5.08	0.87	5.12	5.08	0.96	4.89	4.89	1.06	4.66	4.66	1.15	4.42	4.42	1.24	4.19	4.19	1.33	4.19	4.19	1.33	4.19	4.19	1.33									
43.8	16	24	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.88	5.35	4.44	0.97	5.12	4.34	1.06	4.89	4.23	1.15	4.65	4.13	1.25	4.42	4.03	1.34	4.42	4.03	1.34	4.42	4.03	1.34									
50	17	24	5.47	4.12	0.79	5.47	4.12	0.79	5.47	4.12	0.79	5.47	4.12	0.79	5.47	4.12	0.79	5.47	4.12	0.79	5.47	4.12	0.79	5.47	4.12	0.88	5.47	4.12	0.97	5.24	4.02	1.06	5.00	3.91	1.16	4.77	3.81	1.25	4.54	3.71	1.34	4.54	3.71	1.34	4.54	3.71	1.34									
21.5	14	24	5.12	5.12	0.43	5.12	5.12	0.48	5.12	5.12	0.52	5.12	5.12	0.57	5.12	5.12	0.62	5.12	5.12	0.68	5.12	5.12	0.78	5.12	5.12	0.87	5.12	5.12	0.96	4.89	4.89	1.06	4.66	4.66	1.15	4.42	4.42	1.24	4.19	4.19	1.33	4.19	4.19	1.33	4.19	4.19	1.33									
26.3	15	27	5.24	5.24	0.54	5.24	5.24	0.59	5.24	5.24	0.64	5.24	5.24	0.69	5.24	5.24	0.69	5.24	5.24	0.69	5.24	5.24	0.69	5.24	5.24	0.78	5.24	5.24	0.87	5.24	5.24	0.97	5.00	5.00	1.06	4.77	4.77	1.15	4.54	4.54	1.24	4.31	4.31	1.34	4.31	4.31	1.34	4.31	4.31	1.34						
31.3	16	27	5.35	5.30	0.69	5.35	5.30	0.69	5.35	5.30	0.69	5.35	5.30	0.69	5.35	5.30	0.69	5.35	5.30	0.69	5.35	5.30	0.69	5.35	5.30	0.78	5.35	5.30	0.88	5.35	5.30	0.97	5.12	5.12	1.06	4.89	4.89	1.15	4.65	4.65	1.25	4.42	4.42	1.34	4.42	4.42	1.34	4.42	4.42	1.34						

**Symbols**

- EWB : Entering wet-bulb temperature (°C WB)
- EDB : Entering dry-bulb temperature (°C DB)
- TC : Total capacity [kW]
- SHC : Sensible heat capacity [kW]
- PI : Power input [kW]
- RH : Relative humidity [%]

**Notes**

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- When the system performs indoor de-icing operation, these net capacities may change.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- The capacities are based on the following conditions:  
 Corresponding refrigerant piping length: 5 m  
 Level difference: 0m

**3D120429**

### FBA50A9 / RZAG35A

**Cooling**

Indoor		Outdoor temperature [°C DB]																																																															
		-20			-15			-10			-5			0			5			10			15			20			25			30			35			40																											
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI																
RH	EWB	EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
% °C	°C	°C	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI	kW kW	kW	PI			
41.8	11	18	3.34	3.34	0.25	3.34	3.34	0.27	3.34	3.34	0.30	3.34	3.34	0.33	3.34	3.34	0.36	3.34	3.34	0.39	3.34	3.34	0.46	3.34	3.34	0.52	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.69	2.85	2.85	0.74	2.69	2.69	0.80	2.69	2.69	0.80	2.69	2.69	0.80	2.69	2.69	0.80	2.69	2.69	0.80												
57	13	18	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.47	3.51	2.92	0.52	3.51	2.92	0.58	3.34	2.85	0.64	3.18	2.77	0.69	3.02	2.69	0.75	2.85	2.62	0.80	2.85	2.62	0.80	2.85	2.62	0.80	2.85	2.62	0.80															
31.4	11	18	3.34	3.34	0.25	3.34	3.34	0.27	3.34	3.34	0.30	3.34	3.34	0.33	3.34	3.34	0.36	3.34	3.34	0.39	3.34	3.34	0.46	3.34	3.34	0.52	3.34																																						

# 5 Capacity tables

## 5 - 1 Cooling Capacity Tables

### FBA60A9 / RZAG50A

5

#### Cooling

Indoor			Outdoor temperature [°C DB]																																
RH	EWB	EDB	-20		-15		-10		-5		0		5		10		15		20		25		30		35		40								
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI			
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-

**Symbols**

- EWB : Entering wet-bulb temperature (°C WB)
- EDB : Entering dry-bulb temperature (°C DB)
- TC : Total capacity [kW]
- SHC : Sensible heat capacity [kW]
- PI : Power input [kW]
- RH : Relative humidity [%]

**Notes**

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- When the system performs indoor de-icing operation, these net capacities may change.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5 m  
Level difference: 0m

3D120433

### FBA71A9 / RZAG60A

#### Cooling

Indoor			Outdoor temperature [°C DB]																																
RH	EWB	EDB	-20		-15		-10		-5		0		5		10		15		20		25		30		35		40								
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI			
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-

**Symbols**

- EWB : Entering wet-bulb temperature (°C WB)
- EDB : Entering dry-bulb temperature (°C DB)
- TC : Total capacity [kW]
- SHC : Sensible heat capacity [kW]
- PI : Power input [kW]
- RH : Relative humidity [%]

**Notes**

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- When the system performs indoor de-icing operation, these net capacities may change.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5 m  
Level difference: 0m

3D120434

# 5 Capacity tables

## 5 - 1 Cooling Capacity Tables

### FTXM50N / RZAG35A FTXM50R / RZAG35A

Cooling

Indoor temperature		Outdoor temperature [°C DB]																																																	
		-20				-15				-10				-5				0				5				10				15				20				25				30				35				40	
RH	EWB	EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI										
[%]	°C	°C	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW							
41.8	11	18	2.91	2.91	0.26	2.91	2.91	0.28	2.91	2.91	0.30	2.91	2.91	0.33	2.91	2.91	0.36	2.91	2.91	0.39	2.91	2.91	0.42	2.91	2.91	0.45	2.91	2.91	0.47	2.91	2.91	0.50	2.91	2.91	0.52	2.91	2.91	0.55	2.91	2.91	0.57	2.91	2.91	0.60	2.91	2.91					
57	13	18	3.51	2.70	0.34	3.51	2.70	0.37	3.51	2.70	0.40	3.51	2.70	0.43	3.51	2.70	0.47	3.51	2.70	0.50	3.51	2.70	0.53	3.51	2.70	0.56	3.51	2.70	0.60	3.51	2.70	0.62	3.51	2.70	0.65	3.51	2.70	0.68	3.51	2.70	0.71	3.51	2.70	0.74	3.51	2.70					
31.4	11	20	2.90	2.90	0.26	2.90	2.90	0.28	2.90	2.90	0.30	2.90	2.90	0.33	2.90	2.90	0.36	2.90	2.90	0.39	2.90	2.90	0.42	2.90	2.90	0.45	2.90	2.90	0.47	2.90	2.90	0.50	2.90	2.90	0.52	2.90	2.90	0.55	2.90	2.90	0.57	2.90	2.90	0.60	2.90	2.90					

Symbols  
 EWB: Entering wet-bulb temperature (°C WB)  
 EDB: Entering dry-bulb temperature (°C DB)  
 TC: Total capacity [kW]  
 SHC: Sensible heat capacity [kW]  
 PI: Power input [kW]  
 RH: Relative humidity [%]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- When the system performs indoor de-icing operation, these net capacities may change.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- The capacities are based on the following conditions:  
 Corresponding refrigerant piping length: 5- m  
 Level difference: 0- m

3D122105A

### FTXM60N / RZAG50A FTXM60R / RZAG50A

Cooling

Indoor temperature		Outdoor temperature [°C DB]																																																	
		-20				-15				-10				-5				0				5				10				15				20				25				30				35				40	
RH	EWB	EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI							
[%]	°C	°C	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW				
41.8	11	18	3.27	3.27	0.44	3.27	3.27	0.47	3.27	3.27	0.51	3.27	3.27	0.56	3.27	3.27	0.62	3.27	3.27	0.68	3.27	3.27	0.75	3.27	3.27	0.85	3.27	3.27	0.94	3.27	3.27	1.03	3.27	3.27	1.13	3.27	3.27	1.22	3.27	3.27	1.31	3.27	3.27	1.41	3.27	3.27					
57	13	18	4.54	3.33	0.46	4.54	3.33	0.50	4.54	3.33	0.55	4.54	3.33	0.60	4.54	3.33	0.65	4.54	3.33	0.71	4.54	3.33	0.76	4.54	3.33	0.86	4.54	3.33	0.95	4.54	3.33	1.04	4.54	3.33	1.13	4.54	3.33	1.22	4.54	3.33	1.31	4.54	3.33	1.41	4.54	3.33					
31.4	11	20	3.26	3.26	0.44	3.26	3.26	0.47	3.26	3.26	0.51	3.26	3.26	0.56	3.26	3.26	0.62	3.26	3.26	0.68	3.26	3.26	0.75	3.26	3.26	0.85	3.26	3.26	0.94	3.26	3.26	1.03	3.26	3.26	1.13	3.26	3.26	1.22	3.26	3.26	1.31	3.26	3.26	1.41	3.26	3.26					

Symbols  
 EWB: Entering wet-bulb temperature (°C WB)  
 EDB: Entering dry-bulb temperature (°C DB)  
 TC: Total capacity [kW]  
 SHC: Sensible heat capacity [kW]  
 PI: Power input [kW]  
 RH: Relative humidity [%]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- When the system performs indoor de-icing operation, these net capacities may change.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- The capacities are based on the following conditions:  
 Corresponding refrigerant piping length: 5- m  
 Level difference: 0- m

3D122107A



# 5 Capacity tables

## 5 - 1 Cooling Capacity Tables

**FHA60A9 / RZAG50A****Cooling**

Indoor			Outdoor temperature [°C DB]																																																			
RH	EWB	EDB	-20				-15				-10				-5				0				5				10				15				20				25				30				35				40			
			TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-								
%	°C	°C	kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW													
42	11	18	4.03	4.03	0.32	4.03	4.03	0.35	4.03	4.03	0.39	4.03	4.03	0.43	4.03	4.03	0.47	4.03	4.03	0.51	4.03	4.03	0.61	4.03	4.03	0.71	4.03	4.03	0.82	4.03	4.03	0.93	4.03	4.03	1.04	4.03	4.03	1.15	3.85	3.85	1.25													
57	13	18	5.01	3.81	0.40	5.01	3.81	0.44	5.01	3.81	0.49	5.01	3.81	0.53	5.01	3.81	0.58	5.01	3.81	0.63	5.01	3.81	0.73	5.01	3.81	0.82	5.01	3.81	0.90	4.77	3.69	0.99	4.54	3.58	1.08	4.31	3.47	1.16	4.08	3.36	1.25													
31	11	20	4.02	4.02	0.32	4.02	4.02	0.35	4.02	4.02	0.39	4.02	4.02	0.43	4.02	4.02	0.47	4.02	4.02	0.51	4.02	4.02	0.61	4.02	4.02	0.71	4.02	4.02	0.82	4.02	4.02	0.93	4.02	4.02	1.04	4.02	4.02	1.15	3.85	3.85	1.25													
45	13	20	5.01	4.44	0.40	5.01	4.44	0.44	5.01	4.44	0.49	5.01	4.44	0.53	5.01	4.44	0.58	5.01	4.44	0.63	5.01	4.44	0.73	5.01	4.44	0.82	5.01	4.44	0.90	4.77	4.33	0.99	4.54	4.21	1.08	4.31	4.10	1.16	4.08	3.99	1.25													
52	14	24	5.12	4.10	0.50	5.12	4.10	0.55	5.12	4.10	0.60	5.12	4.10	0.64	5.12	4.10	0.64	5.12	4.10	0.64	5.12	4.10	0.73	5.12	4.10	0.82	5.12	4.10	0.91	4.89	3.99	0.99	4.66	3.88	1.08	4.42	3.77	1.17	4.19	3.66	1.25													
23	11	22	4.01	4.01	0.32	4.01	4.01	0.35	4.01	4.01	0.39	4.01	4.01	0.43	4.01	4.01	0.47	4.01	4.01	0.51	4.01	4.01	0.61	4.01	4.01	0.71	4.01	4.01	0.82	4.01	4.01	0.93	4.01	4.01	1.04	4.01	4.01	1.15	3.85	3.85	1.25													
35	13	22	5.01	5.01	0.40	5.01	5.01	0.44	5.01	5.01	0.48	5.01	5.01	0.53	5.01	5.01	0.58	5.01	5.01	0.63	5.01	5.01	0.73	5.01	5.01	0.82	5.01	5.01	0.90	4.77	4.77	0.99	4.54	4.54	1.08	4.31	4.31	1.16	4.08	4.08	1.25													
48	15	23	5.24	4.38	0.65	5.24	4.38	0.65	5.24	4.38	0.65	5.24	4.38	0.65	5.24	4.38	0.65	5.24	4.38	0.65	5.24	4.38	0.73	5.24	4.38	0.82	5.24	4.38	0.91	5.00	4.27	1.00	4.77	4.17	1.08	4.54	4.06	1.17	4.31	3.96	1.26													
54	16	24	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.82	5.35	4.03	0.91	5.12	3.92	1.00	4.89	3.82	1.08	4.65	3.72	1.17	4.42	3.62	1.26																
21	12	24	4.76	4.76	0.36	4.76	4.76	0.40	4.76	4.76	0.44	4.76	4.76	0.48	4.76	4.76	0.52	4.76	4.76	0.57	4.76	4.76	0.67	4.76	4.76	0.78	4.76	4.76	0.89	4.66	4.66	0.99	4.43	4.43	1.07	4.19	4.19	1.16	3.96	3.96	1.25													
32	14	24	5.12	5.12	0.50	5.12	5.12	0.55	5.12	5.12	0.60	5.12	5.12	0.64	5.12	5.12	0.64	5.12	5.12	0.64	5.12	5.12	0.73	5.12	5.12	0.82	5.12	5.12	0.91	4.89	4.89	0.99	4.66	4.66	1.08	4.42	4.42	1.17	4.19	4.19	1.25													
44	16	24	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.82	5.35	4.66	0.91	5.12	4.56	1.00	4.89	4.46	1.08	4.65	4.35	1.17	4.42	4.25	1.26																
50	17	27	5.47	4.30	0.74	5.47	4.30	0.74	5.47	4.30	0.74	5.47	4.30	0.74	5.47	4.30	0.74	5.47	4.30	0.74	5.47	4.30	0.83	5.47	4.30	0.91	5.24	4.20	1.00	5.00	4.11	1.09	4.77	4.01	1.17	4.54	3.91	1.26																
22	14	27	5.12	5.12	0.50	5.12	5.12	0.55	5.12	5.12	0.60	5.12	5.12	0.64	5.12	5.12	0.64	5.12	5.12	0.64	5.12	5.12	0.73	5.12	5.12	0.82	5.12	5.12	0.91	4.89	4.89	0.99	4.66	4.66	1.08	4.42	4.42	1.17	4.19	4.19	1.25													
26	15	27	5.24	5.24	0.65	5.24	5.24	0.65	5.24	5.24	0.65	5.24	5.24	0.65	5.24	5.24	0.65	5.24	5.24	0.65	5.24	5.24	0.73	5.24	5.24	0.82	5.24	5.24	0.91	5.00	5.00	1.00	4.77	4.77	1.08	4.54	4.54	1.17	4.31	4.31	1.26													
31	16	27	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.82	5.35	5.35	0.91	5.12	5.12	1.00	4.89	4.89	1.08	4.65	4.65	1.17	4.42	4.42	1.26																

**Symbols**

EWB : Entering wet-bulb temperature (°C WB)  
EDB : Entering dry-bulb temperature (°C DB)  
TC : Total capacity [kW]  
SHC : Sensible heat capacity [kW]  
PI : Power input [kW]  
RH : Relative humidity [%]

**Notes**

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- When the system performs indoor de-icing operation, these net capacities may change.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5 m  
Level difference: 0m

**3D120441****FHA71A9 / RZAG60A****Cooling**

Indoor			Outdoor temperature [°C DB]																																																			
RH	EWB	EDB	-20				-15				-10				-5				0				5				10				15				20				25				30				35				40			
			TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-	TC	SHC	PI	-								
%	°C	°C	kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW		kW													
42	11	18	4.61	4.61	0.41	4.61	4.61	0.45	4.61	4.61	0.50	4.61	4.61	0.55	4.61	4.61	0.61	4.61	4.61	0.67	4.61	4.61	0.80	4.61	4.61	0.93	4.61	4.61	1.05	4.61	4.61	1.15	4.61	4.61	1.25	4.61	4.61	1.35	4.61	4.61	1.46													
57	13	18	6.01	4.50	0.47	6.01	4.50	0.51	6.01	4.50	0.57	6.01	4.50	0.62	6.01	4.50	0.68	6.01	4.50	0.74	6.01	4.50	0.85	6.01	4.50	0.95	6.01	4.50	1.05	5.73	4.36	1.16	5.45	4.22	1.26	5.17	4.81	1.36	4.89	3.95	1.46													
31	11	20	4.59	4.59	0.41	4.59	4.59	0.45	4.59	4.59	0.50	4.59	4.59	0.55	4.59	4.59	0.61	4.59	4.59	0.67	4.59	4.59	0.80	4.59	4.59	0.93	4.59	4.59	1.05	4.59	4.59	1.15	4.59	4.59	1.25	4.59	4.59	1.35	4.59	4.59	1.46													
45	13	20	6.01	5.22	0.47	6.01	5.22	0.51	6.01	5.22	0.57	6.01	5.22	0.62	6.01	5.22	0.68	6.01	5.22	0.74	6.01	5.22	0.85	6.01	5.22	0.95	6.01	5.22	1.05	5.73	5.08	1.16	5.45	4.94	1.26	5.17	4.81	1.36	4.89	4.67	1.46													
52	14	24	6.15	4.82	0.54	6.15	4.82	0.59	6.15	4.82	0.64	6.15	4.82	0.70	6.15	4.82	0.75	6.15	4.82	0.81	6.15	4.82	0.93	6.15	4.82	1.06	6.15	4.82	1.16	5.87	4.69	1.26	5.59	4.56	1.26	5.31	4.42	1.36	5.03	4.29	1.47													
23	11	22	4.58	4.58	0.41	4.58	4.58	0.45	4.58	4.58	0.50	4.58	4.58	0.55	4.58	4.58	0.61	4.58	4.58	0.67	4.58	4.58	0.80	4.58	4.58	0.93	4.58	4.58	1.05	4.58	4.58	1.15	4.58	4.58	1.25	4.58	4.58	1.35	4.58	4.58	1.46													
35	13	22	6.01	5.94	0.47	6.01	5.94	0.51	6.01	5.94	0.57	6.01	5.94	0.62	6.01	5.94	0.68	6.01	5.94	0.74	6.01	5.94	0.85	6.01	5.94	0.95	6.01	5.94	1.05	5.73	5.73	1.16	5.45	5.45	1.26	5.17	5.17	1.36	4.89	4.89	1.46													
48	15	23	6.29	5.15	0.70	6.29	5.15	0.76	6.29	5.15	0.76	6.29	5.15	0.76	6.29	5.15	0.76	6.29	5.15	0.76	6.29	5.15	0.86	6.29	5.15	0.96	6.29	5.15	1.06	6.01	5.02	1.16	5.73	4.89	1.26	5.45	4.76	1.37	5.17	4.63	1.47													
54	16	24	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.96	6.42	4.74	1.06	6.42	4.74	1.16	6.14	4.62	1.26	5.86	4.49	1.27	5.59	4.37	1.37	5.31	4.25	1.47													
21	12	24	5.44	5.44	0.44	5.44	5.44	0.48	5.44	5.44	0.53	5.44	5.44	0.59	5.44	5.44	0.64	5.44	5.44	0.70	5.44	5.44	0.83	5.44	5.44	0.94	5.44	5.44	1.05	5.44	5.44	1.15	5.31	5.31	1.26	5.03	5.03	1.36	4.75	4.75	1.46													
32	14	24	6.15	6.15	0.54	6.15	6.15	0.59	6.15	6.15	0.64	6.15	6.15	0.70	6.15	6.15	0.75	6.15	6.15	0.81	6.15	6.15	0.93	6.15	6.15	1.06	6.15	6.15	1.16	5.86	5.86	1.26	5.59	5.59	1.26	5.31	5.31	1.36	5.03	5.03	1.47													
44	16	24	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47																																												

# 5 Capacity tables

## 5 - 1 Cooling Capacity Tables

5

FNA50A9 / RZAG35A

Cooling

Indoor			Outdoor temperature [°C DB]																																																
RH	EWB	EDB																																																	
			-20				-15				-10				-5				0				5				10				15				20				25				30				35				40
%	°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	
41.8	11	18	3.34	3.34	0.29	3.34	3.34	0.32	3.34	3.34	0.35	3.34	3.34	0.38	3.34	3.34	0.42	3.34	3.34	0.46	3.34	3.34	0.53	3.34	3.34	0.59	3.34	3.34	0.66	3.18	3.18	0.72	3.02	3.02	0.79	2.85	2.85	0.85	2.69	2.69	0.91										

Symbols

- EWB : Entering wet-bulb temperature (°C WB)
- EDB : Entering dry-bulb temperature (°C DB)
- TC : Total capacity [kW]
- SHC : Sensible heat capacity [kW]
- PI : Power input [kW]
- RH : Relative humidity [%]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. When the system performs indoor de-icing operation, these net capacities may change.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5 m  
Level difference: 0m

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FNA60A / RZAG50A

Cooling

Indoor			Outdoor temperature [°C DB]																																																
RH	EWB	EDB																																																	
			-20				-15				-10				-5				0				5				10				15				20				25				30				35				40
%	°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	
41.8	11	18	3.64	3.64	0.31	3.64	3.64	0.34	3.64	3.64	0.38	3.64	3.64	0.42	3.64	3.64	0.46	3.64	3.64	0.50	3.64	3.64	0.56	3.64	3.64	0.62	3.64	3.64	0.68	3.50	3.50	0.74	3.34	3.34	0.80	3.18	3.18	0.86	3.02	3.02	0.92	2.86	2.86	0.98	2.70	2.70	1.04				

Symbols

- EWB : Entering wet-bulb temperature (°C WB)
- EDB : Entering dry-bulb temperature (°C DB)
- TC : Total capacity [kW]
- SHC : Sensible heat capacity [kW]
- PI : Power input [kW]
- RH : Relative humidity [%]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. When the system performs indoor de-icing operation, these net capacities may change.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5 m  
Level difference: 0m

3D120439

# 5 Capacity tables

## 5 - 2 Cooling/Heating Capacity Tables

### FCAG35B / RZAG35A

Cooling      ·50· Hz      ·220· - 240· V

AFR	12.5
BF	0.24

Indoor temperature		Outdoor temperature [°C DB]																			
°C	°C	20				25				30				35				40			
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI		
14.0	20	3.59	2.72	0.61	3.42	2.64	0.67	3.26	2.56	0.73	3.10	2.53	0.75	3.10	2.48	0.79	2.93	2.41	0.84		
16.0	22	3.75	2.67	0.61	3.58	2.60	0.67	3.42	2.53	0.73	3.36	2.50	0.75	3.26	2.45	0.79	3.10	2.38	0.85		
18.0	25	3.91	2.81	0.62	3.75	2.74	0.68	3.58	2.67	0.73	3.52	2.64	0.76	3.42	2.60	0.79	3.26	2.54	0.85		
19.0	27	3.99	2.97	0.62	3.83	2.91	0.68	3.66	2.84	0.74	3.60	2.81	0.76	3.50	2.77	0.80	3.34	2.71	0.85		
22.0	30	4.23	2.87	0.62	4.07	2.81	0.68	3.90	2.75	0.74	3.84	2.73	0.77	3.74	2.69	0.80	3.58	2.64	0.86		
24.0	32	4.39	2.80	0.63	4.23	2.74	0.69	4.07	2.69	0.75	4.00	2.67	0.77	3.90	2.64	0.80	3.74	2.58	0.86		

Heating      ·50· Hz      ·220· - 240· V

AFR	12.5
-----	------

Indoor temperature		Outdoor temperature [°C WB]																	
°C	°C	-15			-10			-5			0			6			10		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
15.0	20	1.90	0.75	2.29	0.79	2.67	0.82	3.06	0.86	4.14	0.91	4.50	0.94						
20.0		1.79	0.77	2.17	0.81	2.56	0.85	2.94	0.88	4.00	0.93	4.36	0.96						
22.0		1.74	0.78	2.12	0.82	2.51	0.85	2.89	0.89	3.94	0.94	4.31	0.97						
24.0		1.69	0.79	2.08	0.82	2.46	0.86	2.85	0.90	3.89	0.95	4.25	0.98						
25.0		1.67	0.79	2.05	0.83	2.44	0.87	2.82	0.90	3.86	0.95	4.22	0.98						
27.0		1.62	0.80	2.01	0.84	2.39	0.88	2.77	0.91	3.81	0.96	4.17	0.99						

Symbols

- AFR : Air flow rate [m<sup>3</sup>/min]
- BF : Bypass factor
- EWB : Entering wet-bulb temperature [°C WB]
- EDB : Entering dry-bulb temperature [°C DB]
- TC : Total capacity [kW]
- SHC : Sensible heat capacity [kW]
- PI : Power input [kW]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. On the figure the □ · mark shows the rated capacity and rated coefficient of the power input.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:  
Corresponding refrigerant piping length: ·5· m  
Level difference: ·0· m
6. The air flow rate and bypass factor are mentioned in the table.

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### FCAG50B / RZAG50A

Cooling      ·50· Hz      ·220· - 240· V

AFR	12.6
BF	0.21

Indoor temperature		Outdoor temperature [°C DB]																			
°C	°C	20				25				30				35				40			
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI		
14.0	20	4.66	3.02	0.93	4.66	3.02	1.05	4.66	3.02	1.17	4.56	3.02	1.21	4.42	3.02	1.27	4.19	3.02	1.36		
16.0	22	5.35	3.42	0.99	5.12	3.38	1.08	4.89	3.26	1.18	4.79	3.22	1.22	4.65	3.15	1.27	4.42	3.04	1.37		
18.0	25	5.58	3.62	0.99	5.35	3.51	1.09	5.12	3.40	1.18	5.02	3.36	1.22	4.88	3.30	1.28	4.65	3.19	1.37		
19.0	27	5.70	3.78	1.00	5.47	3.68	1.09	5.23	3.57	1.19	5.14	3.53	1.23	5.00	3.47	1.28	4.77	3.37	1.38		
22.0	30	6.04	3.63	1.01	5.81	3.54	1.10	5.58	3.45	1.20	5.49	3.41	1.23	5.35	3.35	1.29	5.11	3.26	1.39		
24.0	32	6.27	3.52	1.01	6.04	3.44	1.11	5.81	3.35	1.20	5.72	3.32	1.24	5.58	3.27	1.30	5.34	3.19	1.39		

Heating      ·50· Hz      ·220· - 240· V

AFR	12.6
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Indoor temperature		Outdoor temperature [°C WB]																	
°C	°C	-15			-10			-5			0			6			10		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
15.0	20	2.76	1.26	3.32	1.32	3.88	1.39	4.43	1.45	6.00	1.53	6.52	1.58						
20.0		2.59	1.29	3.15	1.36	3.71	1.42	4.26	1.49	5.80	1.56	6.32	1.61						
22.0		2.52	1.31	3.08	1.37	3.64	1.44	4.19	1.50	5.72	1.58	6.24	1.63						
24.0		2.46	1.32	3.01	1.39	3.57	1.45	4.13	1.51	5.64	1.59	6.16	1.64						
25.0		2.42	1.33	2.98	1.39	3.54	1.46	4.09	1.52	5.60	1.60	6.12	1.65						
27.0		2.35	1.34	2.91	1.41	3.47	1.47	4.02	1.54	5.52	1.61	6.04	1.62						

Symbols

- AFR : Air flow rate [m<sup>3</sup>/min]
- BF : Bypass factor
- EWB : Entering wet-bulb temperature [°C WB]
- EDB : Entering dry-bulb temperature [°C DB]
- TC : Total capacity [kW]
- SHC : Sensible heat capacity [kW]
- PI : Power input [kW]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. On the figure the □ · mark shows the rated capacity and rated coefficient of the power input.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:  
Corresponding refrigerant piping length: ·5· m  
Level difference: ·0· m
6. The air flow rate and bypass factor are mentioned in the table.

3D120372A

# 5 Capacity tables

## 5 - 2 Cooling/Heating Capacity Tables

5

### FCAG60B / RZAG60A

Cooling      ·50· Hz      ·220 - 240· V

AFR	13,6
BF	0,19

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	4,86	3,34	1,35	4,86	3,34	1,48	4,86	3,34	1,61	4,86	3,34	1,67	4,86	3,34	1,74	4,86	3,34	1,87
16,0	22	6,17	3,78	1,36	6,14	3,78	1,49	5,86	3,78	1,62	5,75	3,78	1,67	5,59	3,70	1,75	5,31	3,56	1,88
18,0	25	6,70	4,26	1,37	6,42	4,13	1,50	6,14	3,99	1,63	6,03	3,94	1,68	5,86	3,86	1,76	5,58	3,73	1,89
19,0	27	6,84	4,44	1,37	6,56	4,30	1,50	6,28	4,17	1,63	6,17	4,12	1,69	6,00	4,05	1,76	5,72	3,92	1,89
22,0	30	7,25	4,26	1,38	6,97	4,14	1,51	6,69	4,02	1,65	6,58	3,98	1,70	6,41	3,91	1,78	6,14	3,80	1,91
24,0	32	7,53	4,12	1,39	7,25	4,02	1,52	6,97	3,91	1,65	6,86	3,87	1,71	6,69	3,81	1,78	6,41	3,70	1,91

Heating      ·50· Hz      ·220 - 240· V

AFR	13,6
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		3,39	1,66	4,08	1,74	4,76	1,83	5,44	1,91	7,24	2,01	7,87	2,08
20,0		3,18	1,70	3,87	1,79	4,55	1,87	5,23	1,96	7,00	2,06	7,63	2,13
22,0		3,10	1,72	3,78	1,81	4,47	1,89	5,15	1,97	6,90	2,08	7,54	2,14
24,0		3,02	1,74	3,70	1,82	4,38	1,91	5,07	1,99	6,81	2,10	7,44	2,16
25,0		2,97	1,75	3,66	1,83	4,34	1,92	5,03	2,00	6,76	2,10	7,39	2,17
27,0		2,89	1,77	3,57	1,85	4,26	1,94	4,94	2,02	6,66	2,12	7,29	2,19

**Symbols**

- AFR : Air flow rate [m<sup>3</sup>/min]
- BF : Bypass factor
- EWB : Entering wet-bulb temperature (°C WB)
- EDB : Entering dry-bulb temperature (°C DB)
- TC : Total capacity [kW]
- SHC : Sensible heat capacity [kW]
- PI : Power input [kW]

**Notes**

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:  
Corresponding refrigerant piping length: ·5· m  
Level difference: ·0· m
6. The air flow rate and bypass factor are mentioned in the table.

3D120373A

### FFA35A9 / RZAG35A

Cooling      ·50· Hz      ·220 - 240· V

AFR	10,0
BF	0,2

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	3,59	2,42	0,67	3,42	2,42	0,74	3,26	2,41	0,80	3,19	2,38	0,83	3,10	2,33	0,87	2,93	2,25	0,93
16,0	22	3,75	2,53	0,68	3,58	2,46	0,74	3,42	2,38	0,80	3,36	2,35	0,83	3,26	2,30	0,87	3,10	2,22	0,93
18,0	25	3,91	2,64	0,68	3,75	2,57	0,74	3,58	2,49	0,81	3,52	2,47	0,83	3,42	2,42	0,87	3,26	2,35	0,94
19,0	27	3,99	2,77	0,68	3,83	2,70	0,75	3,66	2,63	0,81	3,60	2,60	0,84	3,50	2,56	0,88	3,34	2,49	0,94
22,0	30	4,23	2,67	0,69	4,07	2,61	0,75	3,90	2,54	0,82	3,84	2,52	0,84	3,74	2,48	0,88	3,58	2,42	0,95
24,0	32	4,39	2,60	0,69	4,23	2,54	0,76	4,07	2,48	0,82	4,00	2,46	0,85	3,90	2,43	0,88	3,74	2,37	0,95

Heating      ·50· Hz      ·220 - 240· V

AFR	10,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		1,90	0,87	2,29	0,91	2,67	0,96	3,06	1,00	4,14	1,05	4,50	1,09
20,0		1,79	0,89	2,17	0,94	2,56	0,98	2,94	1,02	4,00	1,08	4,36	1,11
22,0		1,74	0,90	2,12	0,95	2,51	0,99	2,89	1,03	3,94	1,09	4,31	1,12
24,0		1,69	0,91	2,08	0,96	2,46	1,00	2,85	1,04	3,89	1,10	4,25	1,13
25,0		1,67	0,92	2,05	0,96	2,44	1,00	2,82	1,05	3,86	1,10	4,22	1,14
27,0		1,62	0,93	2,01	0,97	2,39	1,01	2,77	1,06	3,81	1,11	4,17	1,15

**Symbols**

- AFR: Air flow rate [m<sup>3</sup>/min]
- BF: Bypass factor
- EWB: Entering wet-bulb temperature (°C WB)
- EDB: Entering dry-bulb temperature (°C DB)
- TC: Total capacity [kW]
- SHC: Sensible heat capacity [kW]
- PI: Power input [kW]

**Notes**

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:  
Corresponding refrigerant piping length: ·5· m  
Level difference: ·0· m
6. The air flow rate and bypass factor are mentioned in the table.

3D120375



# 5 Capacity tables

## 5 - 2 Cooling/Heating Capacity Tables

### FFA50A9 / RZAG50A

Cooling 50 Hz 220 - 240 V 

AFR	12,7
BF	0,14

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	4,69	3,31	1,08	4,69	3,31	1,22	4,66	3,31	1,35	4,56	3,31	1,39	4,42	3,28	1,45	4,19	3,16	1,56
16,0	22	5,35	3,58	1,13	5,12	3,46	1,24	4,89	3,35	1,35	4,79	3,30	1,40	4,65	3,24	1,46	4,42	3,13	1,57
18,0	25	5,58	3,72	1,14	5,35	3,61	1,25	5,12	3,51	1,36	5,02	3,47	1,40	4,88	3,40	1,47	4,65	3,30	1,58
19,0	27	5,70	3,90	1,14	5,47	3,79	1,25	5,23	3,69	1,36	5,14	3,65	1,40	5,00	3,59	1,47	4,77	3,49	1,58
22,0	30	6,04	3,75	1,15	5,81	3,66	1,26	5,58	3,57	1,37	5,49	3,53	1,41	5,35	3,48	1,48	5,11	3,39	1,59
24,0	32	6,27	3,64	1,16	6,04	3,56	1,27	5,81	3,48	1,38	5,72	3,44	1,42	5,58	3,40	1,49	5,34	3,32	1,59

Heating 50 Hz 220 - 240 V 

AFR	12,7
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		2,76	1,51	3,32	1,58	3,88	1,66	4,43	1,74	6,00	1,83	6,52	1,89
20,0		2,59	1,55	3,15	1,62	3,71	1,70	4,26	1,78	5,80	1,87	6,32	1,93
22,0		2,52	1,56	3,08	1,64	3,64	1,72	4,19	1,80	5,72	1,89	6,24	1,95
24,0		2,46	1,58	3,01	1,66	3,57	1,74	4,13	1,81	5,64	1,90	6,16	1,97
25,0		2,42	1,59	2,98	1,67	3,54	1,74	4,09	1,82	5,60	1,91	6,12	1,97
27,0		2,35	1,61	2,91	1,68	3,47	1,76	4,02	1,84	5,52	1,93	6,06	1,95

**Symbols**

AFR : Air flow rate [m³/min]  
 BF : Bypass factor  
 EDB : Entering wet-bulb temperature (°C WB)  
 EWB : Entering dry-bulb temperature (°C DB)  
 TC : Total capacity [kW]  
 SHC : Sensible heat capacity [kW]  
 PI : Power input [kW]

**Notes**

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:  
 Corresponding refrigerant piping length: 5 m  
 Level difference: 0m
- The air flow rate and bypass factor are mentioned in the table.

3D120376

### FFA60A9 / RZAG60A

Cooling 50 Hz 220 - 240 V 

AFR	14,5
BF	0,1

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,36	3,96	1,42	5,36	3,96	1,56	5,36	3,96	1,70	5,36	3,96	1,75	5,31	3,93	1,84	5,03	3,79	1,97
16,0	22	6,42	4,29	1,43	6,14	4,15	1,57	5,86	4,01	1,71	5,75	3,96	1,76	5,59	3,88	1,84	5,31	3,75	1,98
18,0	25	6,70	4,46	1,44	6,42	4,33	1,58	6,14	4,20	1,72	6,03	4,15	1,77	5,86	4,08	1,85	5,58	3,95	1,99
19,0	27	6,84	4,67	1,45	6,56	4,55	1,58	6,28	4,42	1,72	6,17	4,38	1,77	6,00	4,30	1,86	5,72	4,19	1,99
22,0	30	7,25	4,49	1,46	6,97	4,38	1,59	6,69	4,27	1,73	6,58	4,23	1,79	6,41	4,17	1,87	6,14	4,06	2,01
24,0	32	7,53	4,36	1,47	7,25	4,26	1,60	6,97	4,17	1,74	6,86	4,13	1,80	6,69	4,07	1,88	6,41	3,97	2,01

Heating 50 Hz 220 - 240 V 

AFR	14,5
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		3,33	1,94	4,01	2,04	4,68	2,14	5,35	2,24	7,24	2,36	7,87	2,44
20,0		3,13	2,00	3,80	2,10	4,47	2,19	5,14	2,29	7,00	2,41	7,63	2,49
22,0		3,05	2,02	3,72	2,12	4,39	2,22	5,06	2,32	6,90	2,43	7,54	2,51
24,0		2,96	2,04	3,64	2,14	4,31	2,24	4,98	2,34	6,81	2,46	7,44	2,54
25,0		2,92	2,05	3,59	2,15	4,27	2,25	4,94	2,35	6,76	2,47	7,37	2,55
27,0		2,84	2,07	3,51	2,17	4,18	2,27	4,86	2,37	6,66	2,49	7,27	2,57

**Symbols**

AFR : Air flow rate [m³/min]  
 BF : Bypass factor  
 EWB : Entering wet-bulb temperature (°C WB)  
 EDB : Entering dry-bulb temperature (°C DB)  
 TC : Total capacity [kW]  
 SHC : Sensible heat capacity [kW]  
 PI : Power input [kW]

**Notes**

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:  
 Corresponding refrigerant piping length: 5 m  
 Level difference: 0m
- The air flow rate and bypass factor are mentioned in the table.

3D120377

# 5 Capacity tables

## 5 - 2 Cooling/Heating Capacity Tables

5

### FDXM35F9 / RZAG35A

Cooling 50 Hz 220 - 240 V

AFR	8,7
BF	0,16

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	3,11	2,22	0,65	3,11	2,22	0,73	3,11	2,22	0,81	3,11	2,22	0,84	3,10	2,22	0,89	2,93	2,18	0,95
16,0	22	3,75	2,48	0,69	3,58	2,39	0,76	3,42	2,31	0,82	3,36	2,28	0,85	3,26	2,24	0,89	3,10	2,16	0,96
18,0	25	3,91	2,57	0,70	3,75	2,49	0,76	3,58	2,42	0,83	3,52	2,39	0,86	3,42	2,34	0,90	3,26	2,27	0,96
19,0	27	3,99	2,69	0,70	3,83	2,61	0,76	3,66	2,54	0,83	3,60	2,51	0,86	3,50	2,47	0,90	3,34	2,40	0,96
22,0	30	4,23	2,58	0,70	4,07	2,52	0,77	3,90	2,45	0,84	3,84	2,43	0,86	3,74	2,39	0,90	3,58	2,33	0,97
24,0	32	4,39	2,51	0,71	4,23	2,45	0,77	4,07	2,39	0,84	4,00	2,37	0,87	3,90	2,33	0,91	3,74	2,28	0,97

Heating 50 Hz 220 - 240 V

AFR	8,7
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Indoor temperature		Outdoor temperature [°C WB]												Symbols	
EDB	°C	-15		-10		-5		0		6		10		AFR : Air flow rate [m³/min]	BF : Bypass factor
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	EWB : Entering wet-bulb temperature (°C WB)	EDB : Entering dry-bulb temperature (°C DB)
15,0	20	1,90	0,92	2,29	0,97	2,67	1,01	3,06	1,06	4,14	1,12	4,50	1,15	TC : Total capacity [kW]	SHC : Sensible heat capacity [kW]
20,0	25	1,79	0,94	2,17	0,99	2,56	1,04	2,94	1,09	4,00	1,14	4,36	1,18	PI : Power input [kW]	
22,0	27	1,74	0,95	2,12	1,00	2,51	1,05	2,89	1,10	3,94	1,15	4,31	1,19		
24,0	30	1,69	0,97	2,08	1,01	2,46	1,06	2,85	1,11	3,89	1,16	4,25	1,20		
25,0	32	1,67	0,97	2,05	1,02	2,44	1,06	2,82	1,11	3,86	1,17	4,22	1,21		
27,0	34	1,62	0,98	2,01	1,03	2,39	1,07	2,77	1,12	3,81	1,18	4,17	1,22		

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the □mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5 m  
Level difference: 0m
- The air flow rate and bypass factor are mentioned in the table.

3D120378

### FDXM50F9 / RZAG50A

50 Hz 220 - 240 V

AFR	15,8
BF	0,15

Cooling

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,12	3,87	1,01	4,89	3,76	1,11	4,66	3,65	1,20	4,56	3,60	1,24	4,42	3,53	1,30	4,19	3,42	1,40
16,0	22	5,35	3,81	1,01	5,12	3,70	1,11	4,89	3,59	1,21	4,79	3,55	1,25	4,65	3,49	1,31	4,42	3,38	1,40
18,0	25	5,58	4,00	1,02	5,35	3,90	1,12	5,12	3,80	1,21	5,02	3,76	1,25	4,88	3,70	1,31	4,65	3,61	1,41
19,0	27	5,70	4,23	1,02	5,47	4,13	1,12	5,23	4,04	1,22	5,14	4,00	1,26	5,00	3,94	1,32	4,77	3,85	1,41
22,0	30	6,04	4,08	1,03	5,81	4,00	1,13	5,58	3,91	1,23	5,49	3,88	1,27	5,35	3,83	1,32	5,11	3,75	1,42
24,0	32	6,27	3,98	1,04	6,04	3,90	1,14	5,81	3,82	1,23	5,72	3,79	1,27	5,58	3,75	1,33	5,34	3,67	1,43

50 Hz 220 - 240 V

AFR	15,8
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Heating

Indoor temperature		Outdoor temperature [°C WB]												Symbols	
EDB	°C	-15		-10		-5		0		6		10		AFR : Air flow rate [m³/min]	BF : Bypass factor
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	EWB : Entering wet-bulb temperature (°C WB)	EDB : Entering dry-bulb temperature (°C DB)
15,0	20	2,38	1,18	2,86	1,24	3,34	1,30	3,82	1,36	5,17	1,44	5,62	1,49	TC : Total capacity [kW]	SHC : Sensible heat capacity [kW]
20,0	25	2,23	1,22	2,71	1,28	3,19	1,34	3,67	1,40	5,00	1,47	5,45	1,52	PI : Power input [kW]	
22,0	27	2,18	1,23	2,66	1,29	3,14	1,35	3,62	1,41	4,93	1,48	5,38	1,53		
24,0	30	2,12	1,24	2,60	1,30	3,08	1,36	3,56	1,42	4,86	1,50	5,31	1,54		
25,0	32	2,09	1,25	2,57	1,31	3,05	1,37	3,53	1,43	4,83	1,50	5,28	1,55		
27,0	34	2,03	1,26	2,51	1,32	2,99	1,38	3,47	1,44	4,76	1,52	5,21	1,56		

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the □mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5 m  
Level difference: 0m
- The air flow rate and bypass factor are mentioned in the table.

3D120379

# 5 Capacity tables

## 5 - 2 Cooling/Heating Capacity Tables

### FDXM60F9 / RZAG60A

Cooling 50 Hz 220 - 240 V

AFR	16,0
BF	0,12

Indoor temperature		Outdoor temperature [°C DB]																	
EWB °C	EDB °C	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,78	4,27	1,32	5,78	4,27	1,48	5,59	4,17	1,61	5,48	4,11	1,67	5,31	4,03	1,74	5,03	3,89	1,87
16,0	22	6,42	4,38	1,36	6,14	4,24	1,49	5,86	4,11	1,62	5,75	4,06	1,67	5,59	3,98	1,75	5,31	3,85	1,88
18,0	25	6,70	4,57	1,37	6,42	4,44	1,50	6,14	4,32	1,63	6,03	4,27	1,68	5,86	4,20	1,76	5,58	4,08	1,89
19,0	27	6,84	4,80	1,37	6,56	4,68	1,50	6,28	4,56	1,63	6,17	4,51	1,69	6,00	4,44	1,76	5,72	4,33	1,89
22,0	30	7,25	4,62	1,38	6,97	4,52	1,51	6,69	4,41	1,65	6,58	4,37	1,70	6,41	4,31	1,78	6,14	4,20	1,91
24,0	32	7,53	4,50	1,39	7,25	4,40	1,52	6,97	4,30	1,65	6,86	4,26	1,71	6,69	4,21	1,78	6,41	4,11	1,91

Heating 50 Hz 220 - 240 V

AFR	16,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB °C	TC	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	3,39	1,71	4,08	1,79	4,76	1,88	5,44	1,97	7,24	2,07	7,87	2,14	
20,0	3,18	1,75	3,87	1,84	4,55	1,93	5,23	2,02	7,00	2,12	7,63	2,19	
22,0	3,10	1,77	3,78	1,86	4,47	1,95	5,15	2,04	6,90	2,14	7,54	2,21	
24,0	3,02	1,79	3,70	1,88	4,38	1,97	5,07	2,05	6,81	2,16	7,44	2,23	
25,0	2,97	1,80	3,66	1,89	4,34	1,98	5,03	2,06	6,76	2,17	7,39	2,24	
27,0	2,89	1,82	3,57	1,91	4,26	2,00	4,94	2,08	6,66	2,19	7,29	2,26	

**Symbols**

- AFR : Air flow rate [m³/min]
- BF : Bypass factor
- EWB : Entering wet-bulb temperature (°C WB)
- EDB : Entering dry-bulb temperature (°C DB)
- TC : Total capacity [kW]
- SHC : Sensible heat capacity [kW]
- PI : Power input [kW]

**Notes**

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5 m  
Level difference: 0m
- The air flow rate and bypass factor are mentioned in the table.

3D120381

### FBA35A9 / RZAG35A

Cooling 50 Hz 220 - 240 V

AFR	15,0
BF	0,1

Indoor temperature		Outdoor temperature [°C DB]																	
EWB °C	EDB °C	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	3,59	3,15	0,60	3,42	3,07	0,65	3,26	3,00	0,71	3,19	2,97	0,73	3,10	2,93	0,77	2,93	2,85	0,83
16,0	22	3,75	3,10	0,60	3,58	3,03	0,66	3,42	2,96	0,71	3,36	2,93	0,74	3,26	2,89	0,77	3,10	2,82	0,83
18,0	25	3,91	3,31	0,60	3,75	3,25	0,66	3,58	3,18	0,72	3,52	3,16	0,74	3,42	3,12	0,78	3,26	3,06	0,83
19,0	27	3,99	3,56	0,60	3,83	3,49	0,66	3,66	3,43	0,72	3,60	3,41	0,74	3,50	3,37	0,78	3,34	3,31	0,83
22,0	30	4,23	3,45	0,61	4,07	3,40	0,67	3,90	3,34	0,72	3,84	3,32	0,75	3,74	3,29	0,78	3,58	3,24	0,84
24,0	32	4,39	3,38	0,61	4,23	3,33	0,67	4,07	3,28	0,73	4,00	3,27	0,75	3,90	3,24	0,79	3,74	3,19	0,84

Heating 50 Hz 220 - 240 V

AFR	15,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB °C	TC	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	1,90	0,73	2,29	0,77	2,67	0,81	3,06	0,84	4,14	0,89	4,50	0,92	
20,0	1,79	0,75	2,17	0,79	2,56	0,83	2,94	0,86	4,00	0,91	4,36	0,94	
22,0	1,74	0,76	2,12	0,80	2,51	0,83	2,89	0,87	3,94	0,92	4,31	0,95	
24,0	1,69	0,77	2,08	0,81	2,46	0,84	2,85	0,88	3,89	0,93	4,25	0,96	
25,0	1,67	0,77	2,05	0,81	2,44	0,85	2,82	0,88	3,86	0,93	4,22	0,96	
27,0	1,62	0,78	2,01	0,82	2,39	0,86	2,77	0,89	3,81	0,94	4,17	0,97	

**Symbols**

- AFR: Air flow rate [m³/min]
- BF: Bypass factor
- EWB: Entering wet-bulb temperature (°C WB)
- EDB: Entering dry-bulb temperature (°C DB)
- TC: Total capacity [kW]
- SHC: Sensible heat capacity [kW]
- PI: Power input [kW]

**Notes**

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5 m  
Level difference: 0 m
- The air flow rate and bypass factor are mentioned in the table.

3D120368

# 5 Capacity tables

## 5 - 2 Cooling/Heating Capacity Tables

### FBA50A9 / RZAG50A

Cooling -50· Hz ·220 - 240· V

AFR	15,0
BF	0,12

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,12	3,85	0,96	4,89	3,74	1,05	4,66	3,62	1,14	4,56	3,58	1,18	4,42	3,51	1,24	4,19	3,40	1,33
16,0	22	5,35	3,78	0,96	5,12	3,68	1,06	4,89	3,57	1,15	4,79	3,53	1,19	4,65	3,46	1,24	4,42	3,36	1,33
18,0	25	5,58	3,97	0,97	5,35	3,87	1,06	5,12	3,77	1,15	5,02	3,73	1,19	4,88	3,67	1,25	4,65	3,58	1,34
19,0	27	5,70	4,20	0,97	5,47	4,10	1,07	5,23	4,00	1,16	5,14	3,97	1,19	5,00	3,91	1,25	4,77	3,81	1,34
22,0	30	6,04	4,05	0,98	5,81	3,96	1,07	5,58	3,88	1,17	5,49	3,85	1,20	5,35	3,80	1,26	5,11	3,71	1,35
24,0	32	6,27	3,95	0,99	6,04	3,87	1,08	5,81	3,79	1,17	5,72	3,76	1,21	5,58	3,71	1,26	5,34	3,64	1,36

Heating -50· Hz ·220 - 240· V

AFR	15,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		2,86	1,27	3,43	1,34	4,01	1,40	4,58	1,47	6,21	1,54	6,75	1,60
20,0		2,68	1,31	3,26	1,37	3,83	1,44	4,41	1,50	6,00	1,58	6,54	1,63
22,0		2,61	1,32	3,19	1,39	3,76	1,45	4,34	1,52	5,92	1,59	6,46	1,65
24,0		2,54	1,33	3,12	1,40	3,69	1,46	4,27	1,53	5,83	1,61	6,38	1,66
25,0		2,51	1,34	3,08	1,41	3,66	1,47	4,23	1,54	5,79	1,61	6,33	1,67
27,0		2,43	1,36	3,01	1,42	3,59	1,49	4,16	1,55	5,71	1,63	6,25	1,68

**Symbols**

- AFR: Air flow rate [m³/min]
- BF: Bypass factor
- EWB: Entering wet-bulb temperature (°C WB)
- EDB: Entering dry-bulb temperature (°C DB)
- TC: Total capacity [kW]
- SHC: Sensible heat capacity [kW]
- PI: Power input [kW]

**Notes**

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:  
Corresponding refrigerant piping length: -5· m  
Level difference: -0·m
- The air flow rate and bypass factor are mentioned in the table.

3D120369

### FBA60A9 / RZAG60A

Cooling 50 Hz 220 - 240 V

AFR	18,0
BF	0,15

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	6,15	4,57	1,14	5,87	4,43	1,25	5,59	4,29	1,36	5,48	4,24	1,40	5,31	4,16	1,46	5,03	4,02	1,57
16,0	22	6,42	4,49	1,14	6,14	4,36	1,25	5,86	4,23	1,36	5,75	4,18	1,41	5,59	4,10	1,47	5,31	3,97	1,58
18,0	25	6,70	4,70	1,15	6,42	4,58	1,26	6,14	4,46	1,37	6,03	4,41	1,41	5,86	4,34	1,48	5,58	4,22	1,59
19,0	27	6,84	4,96	1,15	6,56	4,84	1,26	6,28	4,73	1,37	6,17	4,68	1,42	6,00	4,61	1,48	5,72	4,50	1,59
22,0	30	7,25	4,79	1,16	6,97	4,68	1,27	6,69	4,58	1,38	6,58	4,54	1,43	6,41	4,48	1,49	6,14	4,38	1,60
24,0	32	7,53	4,66	1,17	7,25	4,57	1,28	6,97	4,47	1,39	6,86	4,43	1,43	6,69	4,38	1,50	6,41	4,29	1,61

Heating 50 Hz 220 - 240 V

AFR	18,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		3,39	1,48	4,08	1,56	4,76	1,63	5,44	1,71	7,24	1,80	7,87	1,86
20,0		3,18	1,52	3,87	1,60	4,55	1,68	5,23	1,75	7,00	1,84	7,63	1,90
22,0		3,10	1,54	3,78	1,62	4,47	1,69	5,15	1,77	6,90	1,86	7,54	1,92
24,0		3,02	1,56	3,70	1,63	4,38	1,71	5,07	1,78	6,81	1,88	7,44	1,94
25,0		2,97	1,56	3,66	1,64	4,34	1,72	5,03	1,79	6,76	1,88	7,39	1,94
27,0		2,89	1,58	3,57	1,66	4,26	1,73	4,94	1,81	6,66	1,90	7,29	1,96

**Symbols**

- AFR: Air flow rate [m³/min]
- BF: Bypass factor
- EWB: Entering wet-bulb temperature (°C WB)
- EDB: Entering dry-bulb temperature (°C DB)
- TC: Total capacity [kW]
- SHC: Sensible heat capacity [kW]
- PI: Power input [kW]

**Notes**

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5· m  
Level difference: 0·m
- The air flow rate and bypass factor are mentioned in the table.

3D120370

# 5 Capacity tables

## 5 - 2 Cooling/Heating Capacity Tables

### FTXM35N / RZAG35A

### FTXM35R / RZAG35A

Cooling ·50· Hz ·220 - 240· V

AFR	12,3
BF	0,21

Indoor		Outdoor temperature [°C DB]																	
EWB	WDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,59	2,67	0,62	3,42	2,62	0,68	3,26	2,57	0,74	3,19	2,55	0,77	3,10	2,53	0,80	2,93	2,50	0,86
16	22	3,75	2,64	0,62	3,58	2,59	0,68	3,42	2,52	0,74	3,36	2,49	0,77	3,26	2,45	0,80	3,10	2,39	0,86
18	25	3,91	2,80	0,63	3,75	2,72	0,69	3,58	2,68	0,75	3,52	2,63	0,77	3,42	2,60	0,81	3,26	2,55	0,87
19	27	3,99	2,95	0,63	3,83	2,90	0,69	3,66	2,88	0,75	3,60	2,87	0,77	3,50	2,86	0,81	3,34	2,84	0,87
22	30	4,23	2,89	0,64	4,07	2,86	0,70	3,90	2,78	0,76	3,84	2,77	0,78	3,74	2,74	0,82	3,58	2,65	0,88
24	32	4,39	2,82	0,64	4,23	2,78	0,70	4,07	2,74	0,76	4,00	2,72	0,78	3,90	2,69	0,82	3,74	2,59	0,88

Heating ·50· Hz ·220 - 240· V

AFR	10,8
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Indoor		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	15	1,87	0,82	2,40	0,86	2,94	0,90	3,49	0,94	4,21	0,99	4,53	1,01
20	16,6	0,88	2,19	0,91	2,73	0,95	3,28	0,99	4,00	1,04	4,32	1,06	
22	1,58	0,90	2,11	0,93	2,64	0,97	3,20	1,01	3,92	1,06	4,23	1,08	
24	1,49	0,92	2,03	0,95	2,56	0,99	3,12	1,03	3,83	1,07	4,15	1,10	
25	1,45	0,93	1,98	0,96	2,52	1,00	3,07	1,04	3,79	1,07	4,11	1,11	
27	1,37	0,95	1,90	0,99	2,43	1,02	2,99	1,06	3,71	1,08	4,02	1,14	

Symbols

- AFR: Air flow rate [m³/min]
- BF: Bypass factor
- EWB: Entering wet-bulb temperature (°C WB)
- EDB: Entering dry-bulb temperature (°C DB)
- TC: Total capacity [kW]
- SHC: Sensible heat capacity [kW]
- PI: Power input [kW]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the  mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:  
Corresponding refrigerant piping length: ·5· m  
Level difference: ·0· m
- The air flow rate and bypass factor are mentioned in the table.

3D122104A

### FTXM50N / RZAG50A

### FTXM50R / RZAG50A

Cooling ·50· Hz ·220 - 240· V

AFR	16,1
BF	0,13

Indoor		Outdoor temperature [°C DB]																	
EWB	WDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,12	3,70	0,96	4,89	3,59	1,05	4,66	3,52	1,14	4,56	3,49	1,18	4,42	3,40	1,24	4,19	3,23	1,33
16	22	5,35	3,55	0,96	5,12	3,45	1,06	4,89	3,36	1,15	4,79	3,33	1,19	4,65	3,28	1,24	4,42	3,21	1,33
18	25	5,58	3,69	0,97	5,35	3,61	1,06	5,12	3,54	1,15	5,02	3,51	1,19	4,88	3,48	1,25	4,65	3,43	1,34
19	27	5,70	3,93	0,97	5,47	3,88	1,07	5,23	3,83	1,16	5,14	3,82	1,19	5,00	3,81	1,25	4,77	3,70	1,34
22	30	6,04	3,72	0,98	5,81	3,65	1,07	5,58	3,58	1,17	5,49	3,56	1,20	5,35	3,43	1,26	5,11	3,39	1,35
24	32	6,27	3,60	0,99	6,04	3,55	1,08	5,81	3,45	1,17	5,72	3,41	1,21	5,58	3,35	1,26	5,34	3,31	1,36

Heating ·50· Hz ·220 - 240· V

AFR	17,1
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Indoor		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	15	3,87	1,28	4,40	1,32	4,82	1,36	5,23	1,40	6,21	1,45	6,53	1,47
20	3,66	1,34	4,19	1,37	4,62	1,41	5,06	1,45	6,00	1,50	6,32	1,52	
22	3,58	1,36	4,11	1,39	4,54	1,43	4,97	1,47	5,92	1,53	6,23	1,54	
24	3,49	1,38	4,03	1,41	4,46	1,45	4,89	1,49	5,83	1,54	6,15	1,56	
25	3,45	1,39	3,98	1,42	4,41	1,46	4,83	1,50	5,79	1,55	6,11	1,57	
27	3,37	1,41	3,90	1,45	4,32	1,48	4,74	1,52	5,71	1,56	6,02	1,60	

Symbols

- AFR: Air flow rate [m³/min]
- BF: Bypass factor
- EWB: Entering wet-bulb temperature (°C WB)
- EDB: Entering dry-bulb temperature (°C DB)
- TC: Total capacity [kW]
- SHC: Sensible heat capacity [kW]
- PI: Power input [kW]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the  mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:  
Corresponding refrigerant piping length: ·5· m  
Level difference: ·0· m
- The air flow rate and bypass factor are mentioned in the table.

3D122106A

# 5 Capacity tables

## 5 - 2 Cooling/Heating Capacity Tables

5

### FTXM60N / RZAG60A FTXM60R / RZAG60A

Cooling -50· Hz -220 - 240· V

AFR	17,1
BF	0,17

Indoor		Outdoor temperature [°C DB]																	
EWB	WDB	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	6,12	4,35	1,28	5,83	4,25	1,44	5,59	4,16	1,57	5,48	4,11	1,62	5,31	4,06	1,70	5,03	3,97	1,82
16	22	6,42	4,21	1,32	6,14	4,09	1,45	5,86	3,98	1,58	5,75	3,93	1,63	5,59	3,87	1,70	5,31	3,78	1,83
18	25	6,70	4,37	1,33	6,42	4,26	1,46	6,14	4,17	1,58	6,03	4,14	1,63	5,86	4,09	1,71	5,58	4,02	1,84
19	27	6,84	4,63	1,33	6,56	4,55	1,46	6,28	4,49	1,59	6,17	4,47	1,64	6,00	4,44	1,71	5,72	4,42	1,84
22	30	7,25	4,26	1,35	6,97	4,17	1,47	6,69	4,09	1,60	6,58	4,06	1,65	6,41	4,02	1,73	6,14	3,97	1,85
24	32	7,53	4,02	1,35	7,25	3,93	1,48	6,97	3,85	1,61	6,86	3,82	1,66	6,69	3,77	1,73	6,41	3,71	1,86

Heating -50· Hz -220 - 240· V

AFR	17,7
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Indoor		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	4,87	1,72	5,40	1,76	6,17	1,80	6,46	1,83	7,21	1,89	7,53	1,91	
20	4,66	1,77	5,19	1,81	6,00	1,85	6,28	1,89	7,00	1,94	7,32	1,96	
22	4,58	1,79	5,11	1,83	5,96	1,87	6,24	1,91	6,92	1,97	7,23	1,98	
24	4,49	1,82	5,03	1,85	5,90	1,89	6,17	1,93	6,83	1,99	7,15	2,00	
25	4,45	1,83	4,98	1,86	5,87	1,90	6,14	1,94	6,79	2,00	7,11	2,01	
27	4,37	1,85	4,90	1,88	5,79	1,92	6,06	1,96	6,71	2,02	7,02	2,03	

**Symbols**

- AFR: Air flow rate [m³/min]
- BF: Bypass factor
- EWB: Entering wet-bulb temperature (°C WB)
- EDB: Entering dry-bulb temperature (°C DB)
- TC: Total capacity [kW]
- SHC: Sensible heat capacity [kW]
- PI: Power input [kW]

**Notes**

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:  
Corresponding refrigerant piping length: ·5· m  
Level difference: ·0· m
- The air flow rate and bypass factor are mentioned in the table.

3D122108A

### FHA35A9 / RZAG35A

Cooling

·50· Hz ·220 - 240· V

AFR	14,0
BF	0,16

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	3,59	2,96	0,58	3,42	2,88	0,64	3,26	2,80	0,70	3,19	2,77	0,72	3,10	2,73	0,75	2,93	2,66	0,81
16,0	22	3,75	2,91	0,59	3,58	2,84	0,64	3,42	2,77	0,70	3,36	2,74	0,72	3,26	2,70	0,75	3,10	2,63	0,81
18,0	25	3,91	3,09	0,59	3,75	3,02	0,65	3,58	2,96	0,70	3,52	2,93	0,72	3,42	2,89	0,76	3,26	2,83	0,81
19,0	27	3,99	3,30	0,59	3,83	3,23	0,65	3,66	3,17	0,70	3,60	3,14	0,73	3,50	3,11	0,76	3,34	3,04	0,82
22,0	30	4,23	3,19	0,60	4,07	3,14	0,65	3,90	3,08	0,71	3,84	3,06	0,73	3,74	3,03	0,77	3,58	2,97	0,82
24,0	32	4,39	3,12	0,60	4,23	3,07	0,66	4,07	3,02	0,71	4,00	3,00	0,73	3,90	2,97	0,77	3,74	2,92	0,82

Heating

·50· Hz ·220 - 240· V

AFR	14,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	1,90	0,79	2,29	0,83	2,67	0,87	3,06	0,91	4,14	0,95	4,50	0,99	
20,0	1,79	0,81	2,17	0,85	2,56	0,89	2,94	0,93	4,00	0,98	4,36	1,01	
22,0	1,74	0,82	2,12	0,86	2,51	0,90	2,89	0,94	3,94	0,98	4,31	1,02	
24,0	1,69	0,82	2,08	0,86	2,46	0,91	2,85	0,95	3,89	0,99	4,25	1,03	
25,0	1,67	0,83	2,05	0,87	2,44	0,91	2,82	0,95	3,86	1,00	4,22	1,03	
27,0	1,62	0,84	2,01	0,88	2,39	0,92	2,77	0,96	3,81	1,01	4,17	1,04	

**Symbols**

- AFR: Air flow rate [m³/min]
- BF: Bypass factor
- EWB: Entering wet-bulb temperature (°C WB)
- EDB: Entering dry-bulb temperature (°C DB)
- TC: Total capacity [kW]
- SHC: Sensible heat capacity [kW]
- PI: Power input [kW]

**Notes**

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:  
Corresponding refrigerant piping length: ·5· m  
Level difference: ·0· m
- The air flow rate and bypass factor are mentioned in the table.

3D120386

# 5 Capacity tables

## 5 - 2 Cooling/Heating Capacity Tables

### FHA50A9 / RZAG50A

Cooling 50 Hz 220 - 240 V 

AFR	15,0
BF	0,17

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,11	3,77	0,93	4,89	3,66	1,03	4,66	3,55	1,12	4,56	3,50	1,15	4,42	3,43	1,21	4,19	3,32	1,30
16,0	22	5,35	3,71	0,94	5,12	3,60	1,03	4,89	3,49	1,12	4,79	3,45	1,16	4,65	3,39	1,21	4,42	3,28	1,30
18,0	25	5,58	3,89	0,95	5,35	3,78	1,04	5,12	3,68	1,13	5,02	3,64	1,16	4,88	3,58	1,22	4,65	3,48	1,31
19,0	27	5,70	4,10	0,95	5,47	4,00	1,04	5,23	3,90	1,13	5,14	3,86	1,16	5,00	3,80	1,22	4,77	3,71	1,31
22,0	30	6,04	3,95	0,96	5,81	3,86	1,05	5,58	3,77	1,14	5,49	3,74	1,17	5,35	3,69	1,23	5,11	3,60	1,32
24,0	32	6,27	3,84	0,96	6,04	3,76	1,05	5,81	3,68	1,14	5,72	3,65	1,18	5,58	3,61	1,23	5,34	3,53	1,32

Heating 50 Hz 220 - 240 V 

AFR	15,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		2,76	1,26	3,32	1,32	3,88	1,39	4,43	1,45	6,00	1,53	6,52	1,58
20,0		2,59	1,29	3,15	1,36	3,71	1,42	4,26	1,49	5,80	1,56	6,32	1,61
22,0		2,52	1,31	3,08	1,37	3,64	1,44	4,19	1,50	5,72	1,58	6,24	1,63
24,0		2,46	1,32	3,01	1,39	3,57	1,45	4,13	1,51	5,64	1,59	6,16	1,64
25,0		2,42	1,33	2,98	1,39	3,54	1,46	4,09	1,52	5,60	1,60	6,12	1,65
27,0		2,35	1,34	2,91	1,41	3,47	1,47	4,02	1,54	5,52	1,61	6,04	1,66

**Symbols**

AFR : Air flow rate [m³/min]

BF : Bypass factor

EWB : Entering wet-bulb temperature (°C WB)

EDB : Entering dry-bulb temperature (°C DB)

TC : Total capacity [kW]

SHC : Sensible heat capacity [kW]

PI : Power input [kW]

**Notes**

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the □mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5 m  
Level difference: 0m
- The air flow rate and bypass factor are mentioned in the table.

3D120387

### FHA60A9 / RZAG60A

Cooling 50 Hz 220 - 240 V 

AFR	19,5
BF	0,2

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	6,15	4,60	1,18	5,87	4,46	1,29	5,59	4,32	1,41	5,48	4,27	1,45	5,31	4,19	1,52	5,03	4,05	1,63
16,0	22	6,42	4,52	1,19	6,14	4,39	1,30	5,86	4,26	1,41	5,75	4,21	1,46	5,59	4,13	1,53	5,31	4,01	1,64
18,0	25	6,70	4,74	1,19	6,42	4,62	1,31	6,14	4,50	1,42	6,03	4,45	1,47	5,86	4,38	1,53	5,58	4,26	1,65
19,0	27	6,84	5,00	1,20	6,56	4,89	1,31	6,28	4,77	1,42	6,17	4,72	1,47	6,00	4,66	1,54	5,72	4,54	1,65
22,0	30	7,25	4,83	1,21	6,97	4,72	1,32	6,69	4,62	1,43	6,58	4,58	1,48	6,41	4,52	1,55	6,14	4,42	1,66
24,0	32	7,53	4,70	1,21	7,25	4,61	1,33	6,97	4,51	1,44	6,86	4,48	1,49	6,69	4,42	1,56	6,41	4,33	1,67

Heating 50 Hz 220 - 240 V 

AFR	19,5
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		3,33	1,66	4,01	1,74	4,68	1,83	5,35	1,91	7,24	2,01	7,87	2,08
20,0		3,13	1,70	3,80	1,79	4,47	1,87	5,14	1,96	7,00	2,06	7,63	2,13
22,0		3,05	1,72	3,72	1,81	4,39	1,89	5,06	1,98	6,90	2,08	7,54	2,15
24,0		2,96	1,74	3,64	1,82	4,31	1,91	4,98	1,99	6,81	2,10	7,44	2,16
25,0		2,92	1,75	3,59	1,83	4,27	1,92	4,94	2,00	6,76	2,11	7,39	2,17
27,0		2,84	1,77	3,51	1,85	4,18	1,94	4,86	2,02	6,66	2,12	7,29	2,19

**Symbols**

AFR : Air flow rate [m³/min]

BF : Bypass factor

EWB : Entering wet-bulb temperature (°C WB)

EDB : Entering dry-bulb temperature (°C DB)

TC : Total capacity [kW]

SHC : Sensible heat capacity [kW]

PI : Power input [kW]

**Notes**

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the □mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5 m  
Level difference: 0m
- The air flow rate and bypass factor are mentioned in the table.

3D120388

# 5 Capacity tables

## 5 - 2 Cooling/Heating Capacity Tables

### FNA35A9 / RZAG35A

Cooling 50 Hz 220 - 240 V

AFR	8,7
BF	0,16

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	3,11	2,22	0,65	3,11	2,22	0,73	3,11	2,22	0,81	3,11	2,22	0,84	3,10	2,22	0,89	2,93	2,18	0,95
16,0	22	3,75	2,48	0,69	3,58	2,39	0,76	3,42	2,31	0,82	3,36	2,28	0,85	3,26	2,24	0,89	3,10	2,16	0,96
18,0	25	3,91	2,57	0,70	3,75	2,49	0,76	3,58	2,42	0,83	3,52	2,39	0,86	3,42	2,34	0,90	3,26	2,27	0,96
19,0	27	3,99	2,69	0,70	3,83	2,61	0,76	3,66	2,54	0,83	3,60	2,51	0,86	3,50	2,47	0,90	3,34	2,40	0,96
22,0	30	4,23	2,58	0,70	4,07	2,52	0,77	3,90	2,45	0,84	3,84	2,43	0,86	3,74	2,39	0,90	3,58	2,33	0,97
24,0	32	4,39	2,51	0,71	4,23	2,45	0,77	4,07	2,39	0,84	4,00	2,37	0,87	3,90	2,33	0,91	3,74	2,28	0,97

Heating 50 Hz 220 - 240 V

AFR	8,7
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		1,90	0,92	2,29	0,97	2,67	1,01	3,06	1,06	4,14	1,12	4,50	1,15
20,0		1,79	0,94	2,17	0,99	2,56	1,04	2,94	1,09	4,00	1,14	4,36	1,18
22,0		1,74	0,95	2,12	1,00	2,51	1,05	2,89	1,10	3,94	1,15	4,31	1,19
24,0		1,69	0,97	2,08	1,01	2,46	1,06	2,85	1,11	3,89	1,16	4,25	1,20
25,0		1,67	0,97	2,05	1,02	2,44	1,06	2,82	1,11	3,86	1,17	4,22	1,21
27,0		1,62	0,98	2,01	1,03	2,39	1,07	2,77	1,12	3,81	1,18	4,17	1,22

**Symbols**

- AFR : Air flow rate [m³/min]
- BF : Bypass factor
- EWB : Entering wet-bulb temperature (°C WB)
- EDB : Entering dry-bulb temperature (°C DB)
- TC : Total capacity [kW]
- SHC : Sensible heat capacity [kW]
- PI : Power input [kW]

**Notes**

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5 m  
The air flow rate and bypass factor are mentioned in the table.
6. Level difference: 0m

3D120389

### FNA50A9 / RZAG50A

Cooling 50 Hz 220 - 240 V

AFR	16,0
BF	0,12

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,12	3,94	1,01	4,89	3,83	1,11	4,66	3,71	1,20	4,56	3,67	1,24	4,42	3,60	1,30	4,19	3,49	1,40
16,0	22	5,35	3,87	1,01	5,12	3,77	1,11	4,89	3,66	1,21	4,79	3,62	1,25	4,65	3,56	1,31	4,42	3,45	1,40
18,0	25	5,58	4,08	1,02	5,35	3,98	1,12	5,12	3,88	1,21	5,02	3,84	1,25	4,88	3,78	1,31	4,65	3,69	1,41
19,0	27	5,70	4,32	1,02	5,47	4,22	1,12	5,23	4,13	1,22	5,14	4,09	1,26	5,00	4,04	1,32	4,77	3,94	1,41
22,0	30	6,04	4,17	1,03	5,81	4,09	1,13	5,58	4,00	1,23	5,49	3,97	1,27	5,35	3,92	1,32	5,11	3,84	1,42
24,0	32	6,27	4,07	1,04	6,04	3,99	1,14	5,81	3,92	1,23	5,72	3,89	1,27	5,58	3,84	1,33	5,34	3,77	1,43

Heating 50 Hz 220 - 240 V

AFR	16,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		2,38	1,18	2,86	1,24	3,34	1,30	3,82	1,36	5,17	1,44	5,62	1,49
20,0		2,23	1,22	2,71	1,28	3,19	1,34	3,67	1,40	5,00	1,47	5,45	1,52
22,0		2,18	1,23	2,66	1,29	3,14	1,35	3,62	1,41	4,93	1,48	5,38	1,53
24,0		2,12	1,24	2,60	1,30	3,08	1,36	3,56	1,42	4,86	1,50	5,31	1,54
25,0		2,09	1,25	2,57	1,31	3,05	1,37	3,53	1,43	4,83	1,50	5,28	1,55
27,0		2,03	1,26	2,51	1,32	2,99	1,38	3,47	1,44	4,76	1,52	5,21	1,56

**Symbols**

- AFR : Air flow rate [m³/min]
- BF : Bypass factor
- EWB : Entering wet-bulb temperature (°C WB)
- EDB : Entering dry-bulb temperature (°C DB)
- TC : Total capacity [kW]
- SHC : Sensible heat capacity [kW]
- PI : Power input [kW]

**Notes**

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5 m  
Level difference: 0m
6. The air flow rate and bypass factor are mentioned in the table.

3D120390



# 5 Capacity tables

## 5 - 2 Cooling/Heating Capacity Tables

### FNA60A9 / RZAG60A

Cooling 50 Hz 220 - 240 V

AFR	16,0
BF	0,12

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,78	4,27	1,32	5,78	4,27	1,48	5,59	4,17	1,61	5,48	4,11	1,67	5,31	4,03	1,74	5,03	3,89	1,87
16,0	22	6,42	4,38	1,36	6,14	4,24	1,49	5,86	4,11	1,62	5,75	4,06	1,67	5,59	3,98	1,75	5,31	3,85	1,88
18,0	25	6,70	4,57	1,37	6,42	4,44	1,50	6,14	4,32	1,63	6,03	4,27	1,68	5,86	4,20	1,76	5,58	4,08	1,89
19,0	27	6,84	4,80	1,37	6,56	4,68	1,50	6,28	4,56	1,63	6,17	4,51	1,69	6,00	4,44	1,76	5,72	4,33	1,89
22,0	30	7,25	4,62	1,38	6,97	4,52	1,51	6,69	4,41	1,65	6,58	4,37	1,70	6,41	4,31	1,78	6,14	4,20	1,91
24,0	32	7,53	4,50	1,39	7,25	4,40	1,52	6,97	4,30	1,65	6,86	4,26	1,71	6,69	4,21	1,78	6,41	4,11	1,91

Heating 50 Hz 220 - 240 V

AFR	16,0
-----	------

Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		3,39	1,71	4,08	1,79	4,76	1,88	5,44	1,97	7,24	2,07	7,87	2,14
20,0		3,18	1,75	3,87	1,84	4,55	1,93	5,23	2,02	7,00	2,12	7,63	2,19
22,0		3,10	1,77	3,78	1,86	4,47	1,95	5,15	2,04	6,90	2,14	7,54	2,21
24,0		3,02	1,79	3,70	1,88	4,38	1,97	5,07	2,05	6,81	2,16	7,44	2,23
25,0		2,97	1,80	3,66	1,89	4,34	1,98	5,03	2,06	6,76	2,17	7,39	2,24
27,0		2,89	1,82	3,57	1,91	4,26	2,00	4,94	2,08	6,66	2,19	7,29	2,26

**Symbols**

- AFR : Air flow rate [m<sup>3</sup>/min]
- BF : Bypass factor
- EWB : Entering wet-bulb temperature (°C WB)
- EDB : Entering dry-bulb temperature (°C DB)
- TC : Total capacity [kW]
- SHC : Sensible heat capacity [kW]
- PI : Power input [kW]

**Notes**

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5 m  
Level difference: 0m
6. The air flow rate and bypass factor are mentioned in the table.

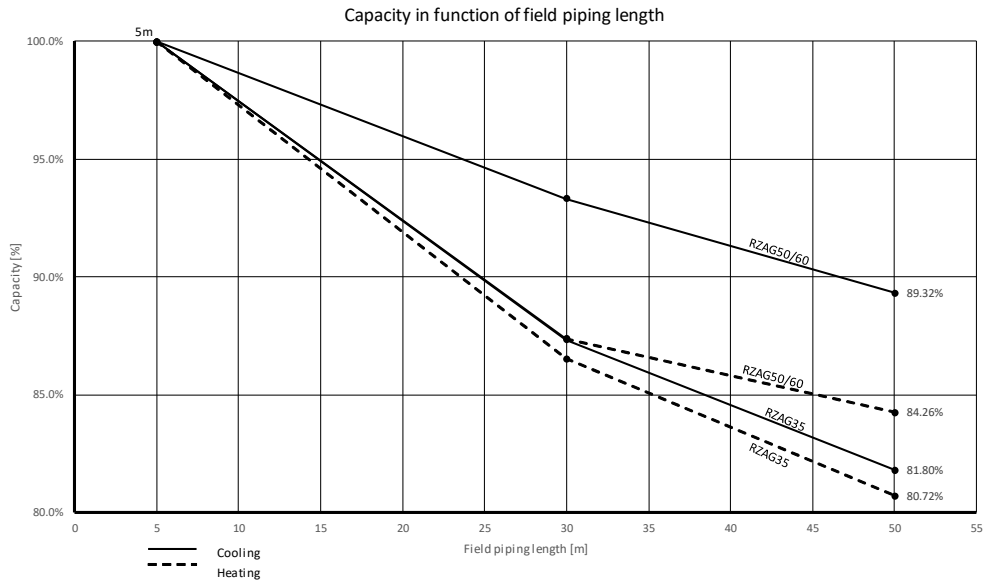
3D120391

# 5 Capacity tables

## 5 - 3 Capacity Correction Factor

5

RZAG-A

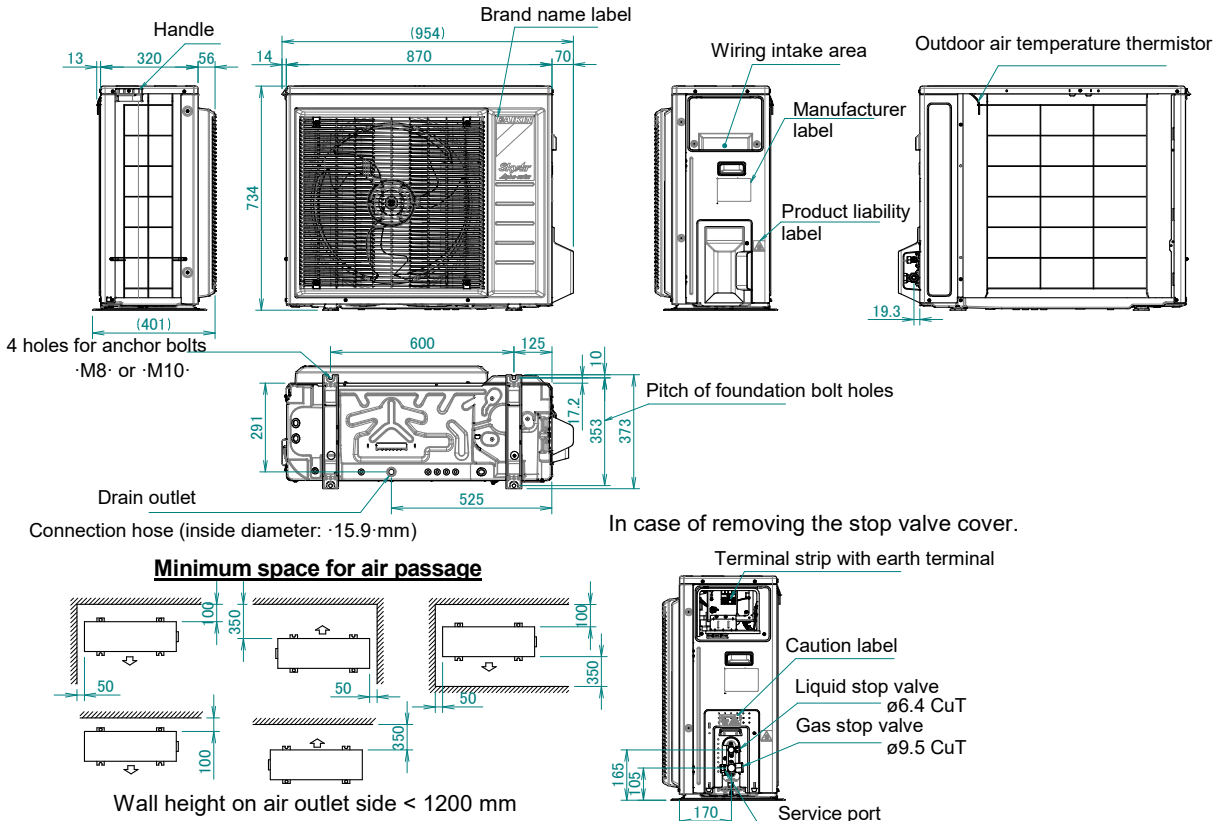


3D121942

# 6 Dimensional drawings

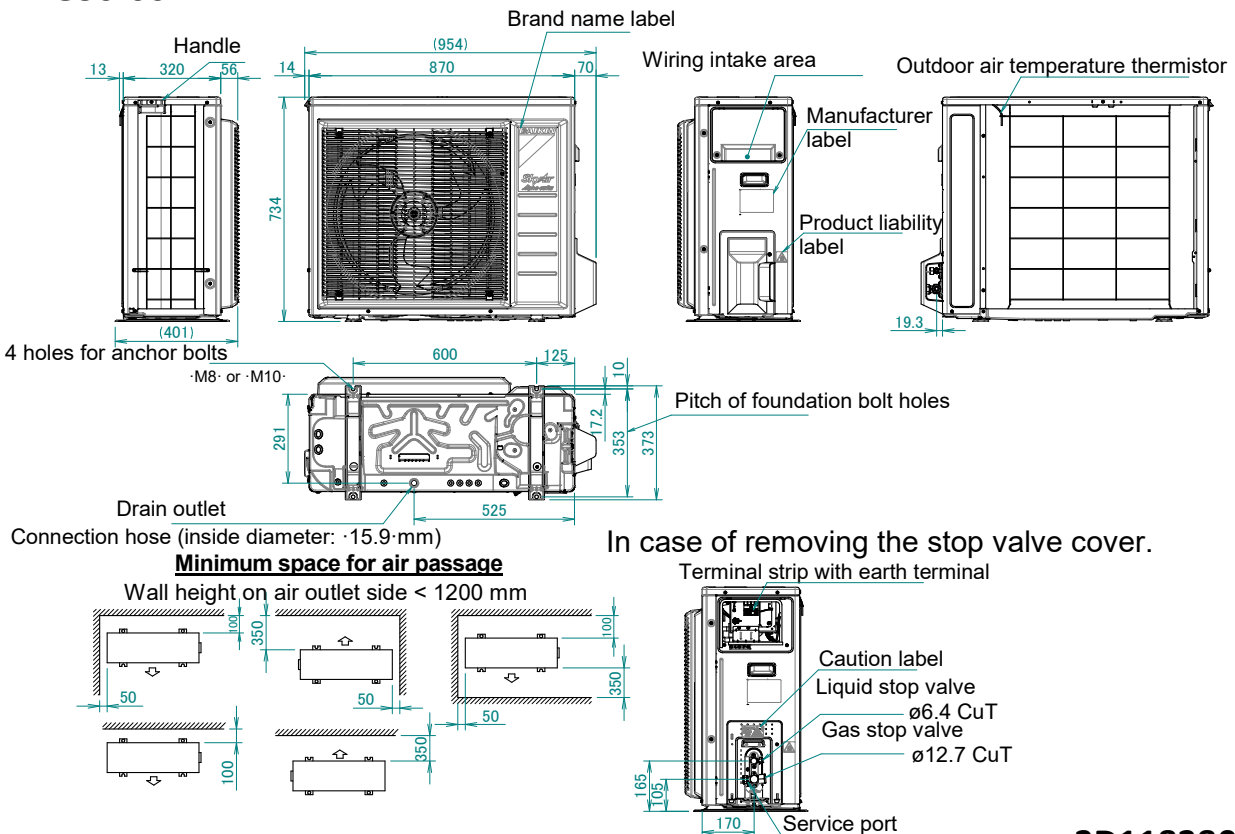
## 6 - 1 Dimensional Drawings

### RZAG35A



**3D118381A**

### RZAG50-60A



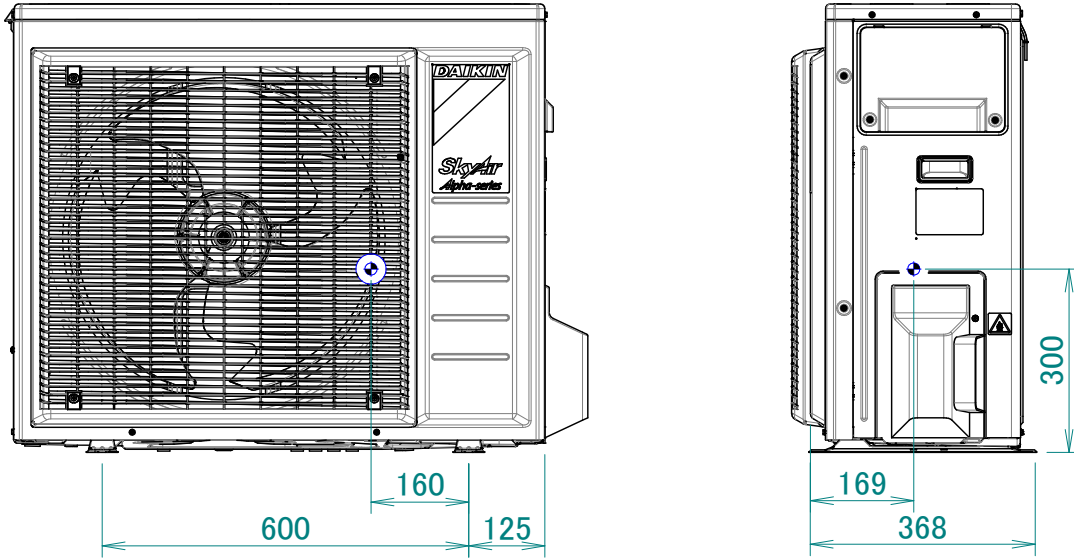
**3D118380A**

# 7 Centre of gravity

## 7 - 1 Centre of Gravity

7

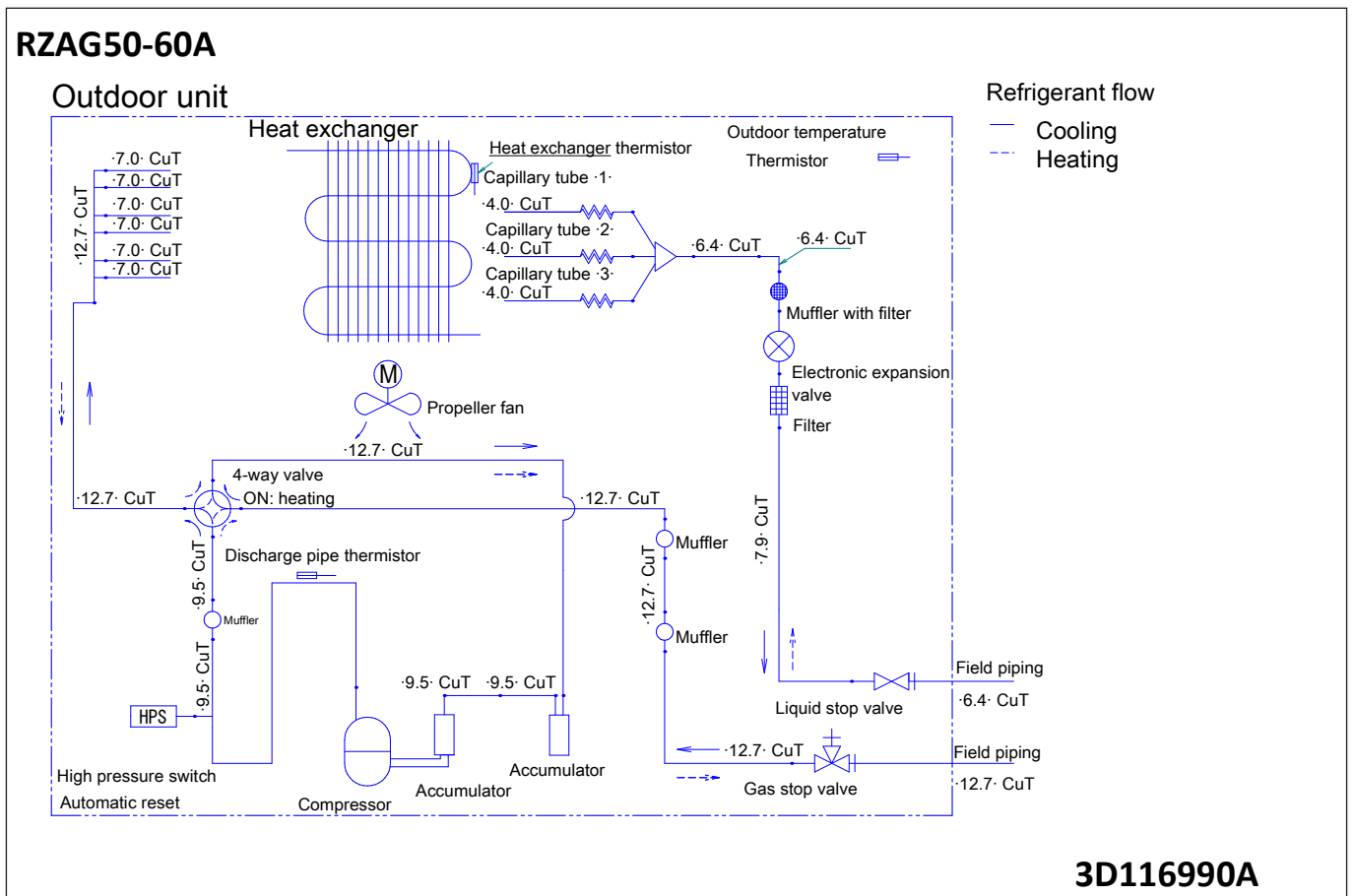
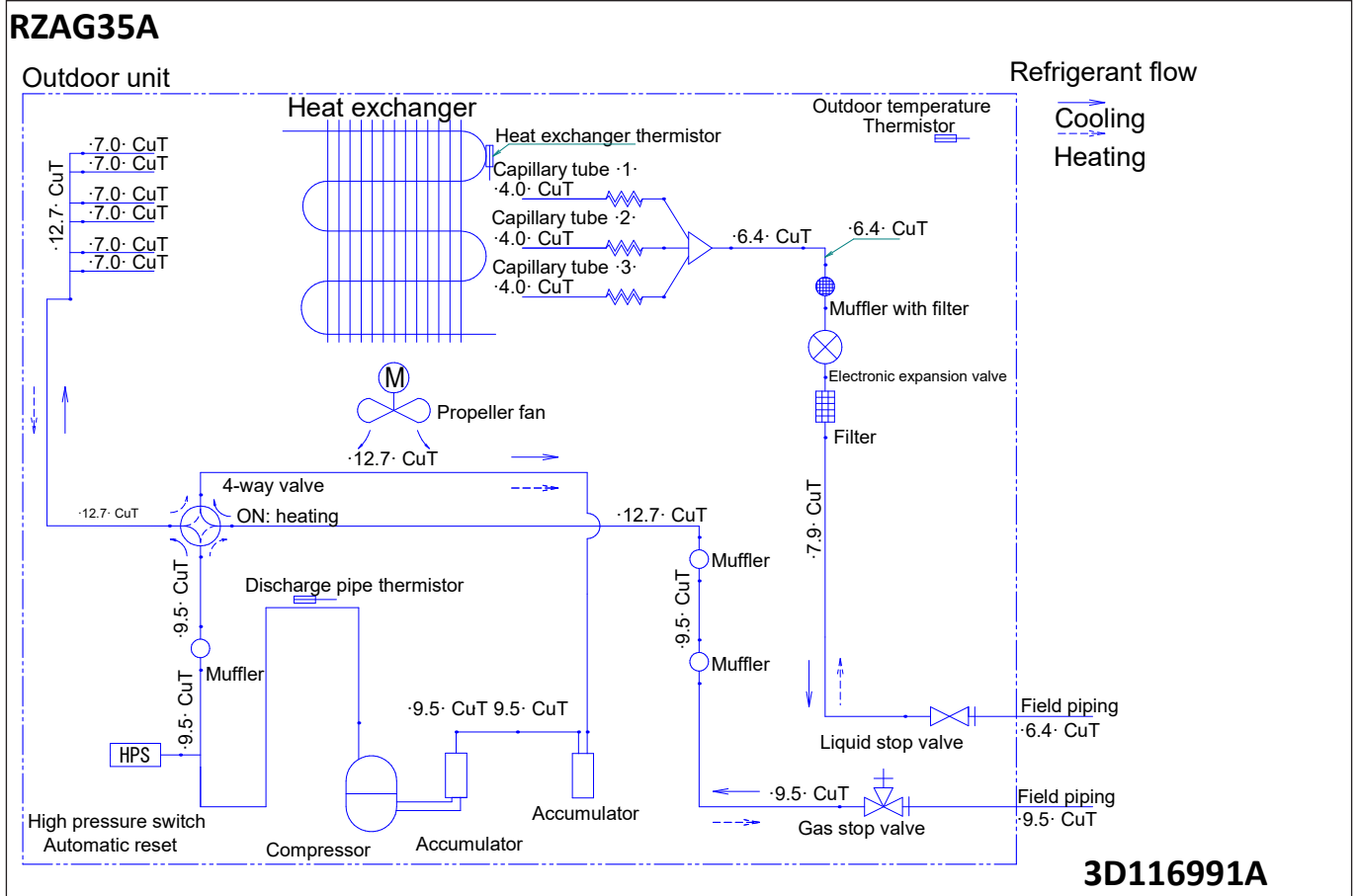
RZAG35-60A



4D118389

# 8 Piping diagrams

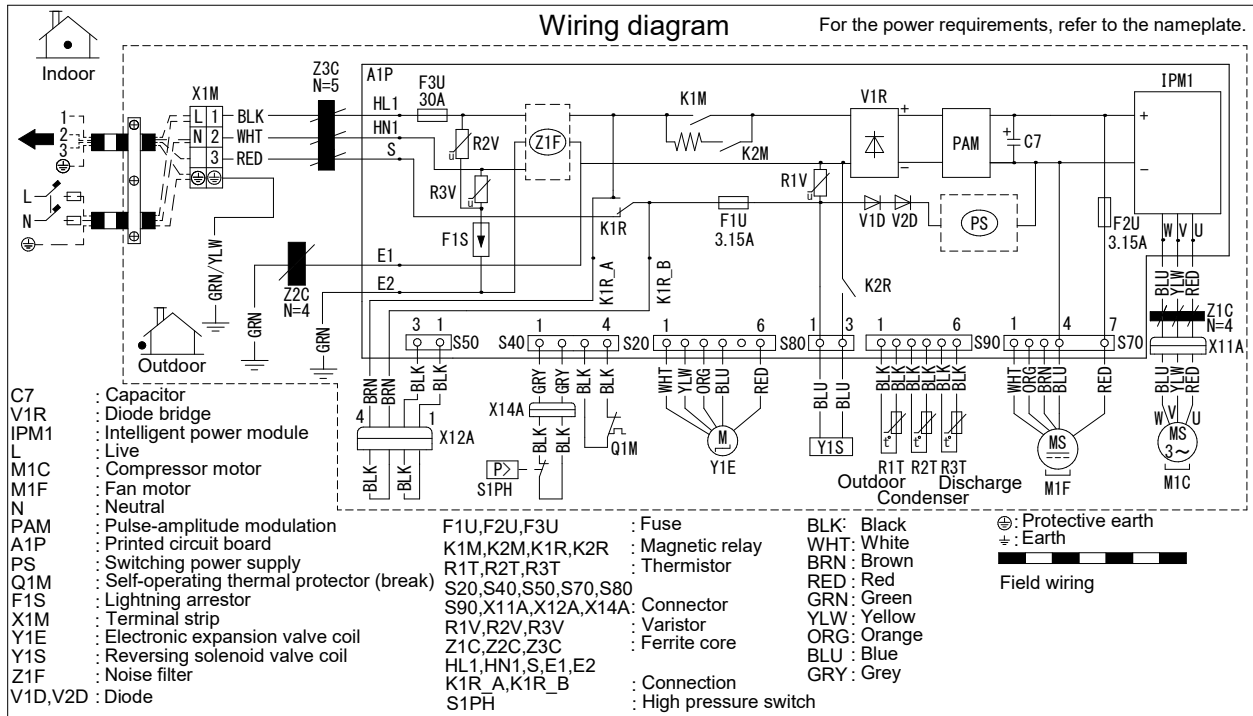
## 8 - 1 Piping Diagrams



# 9 Wiring diagrams

## 9 - 1 Wiring Diagrams - Single Phase

### RZAG35-60A



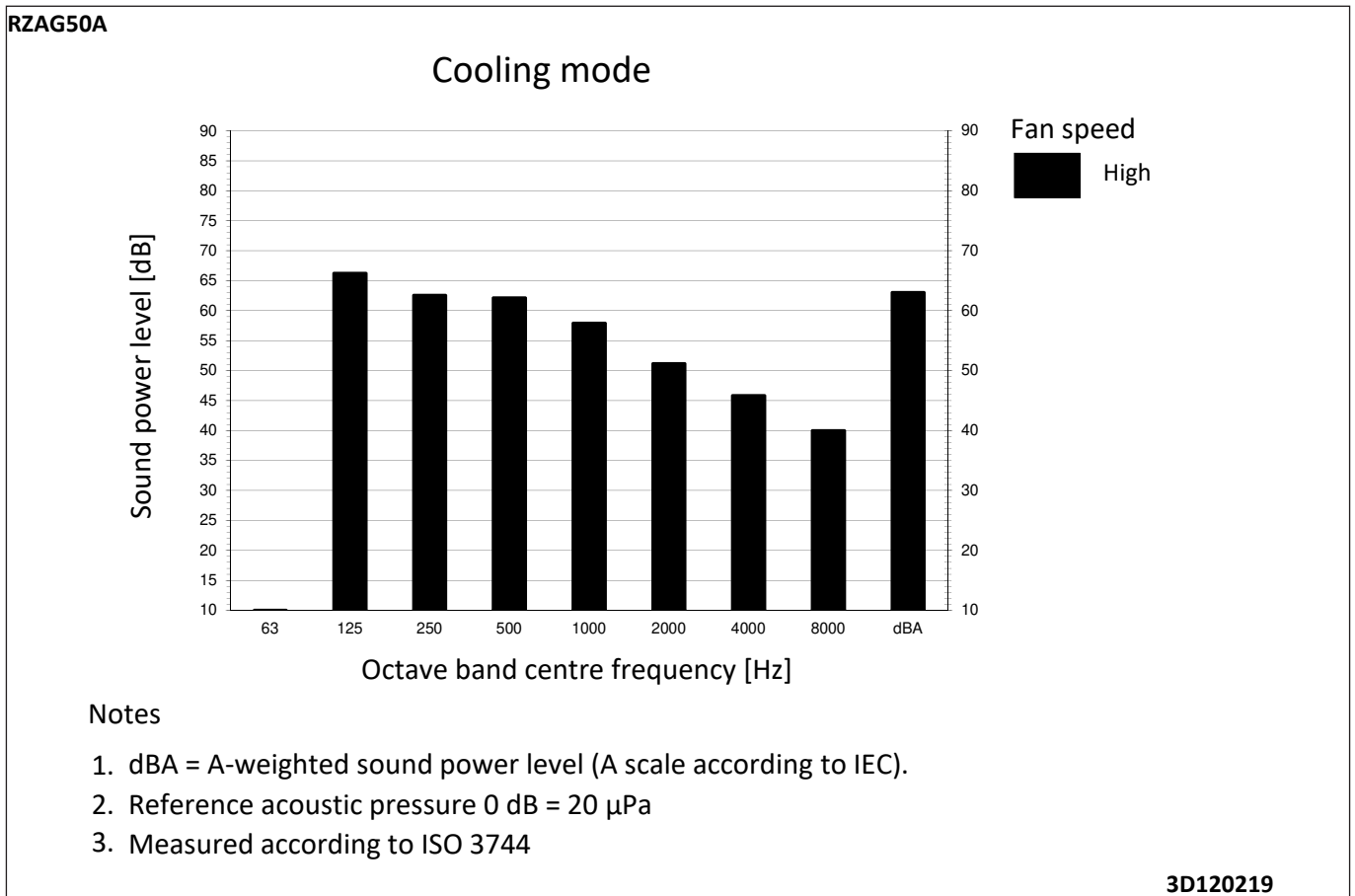
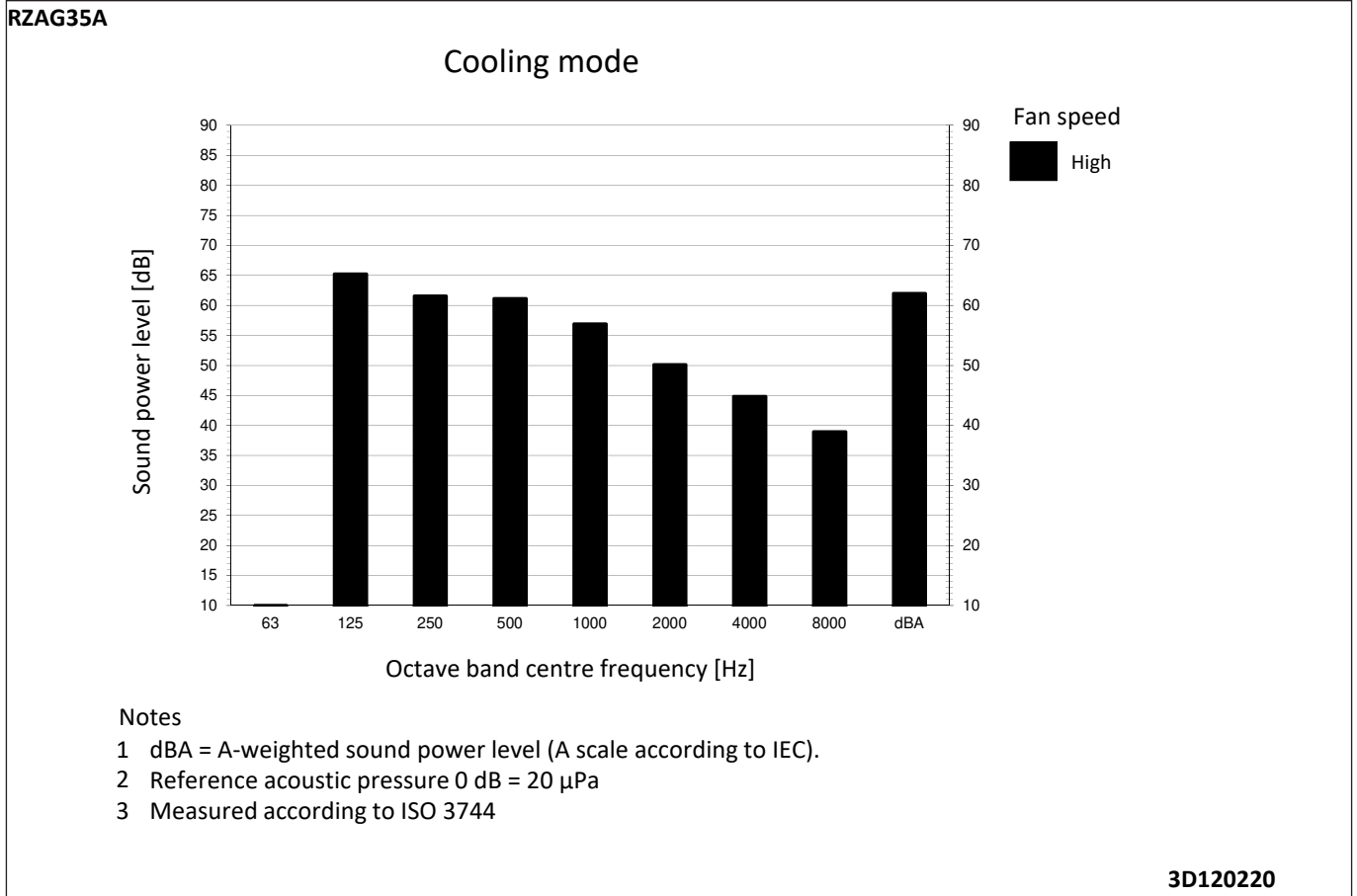
**NOTES:**

1. Size: length 105 x width 185.
2. Refer to purchasing specification AS303002 unless otherwise specified.

**3D117016**

# 10 Sound data

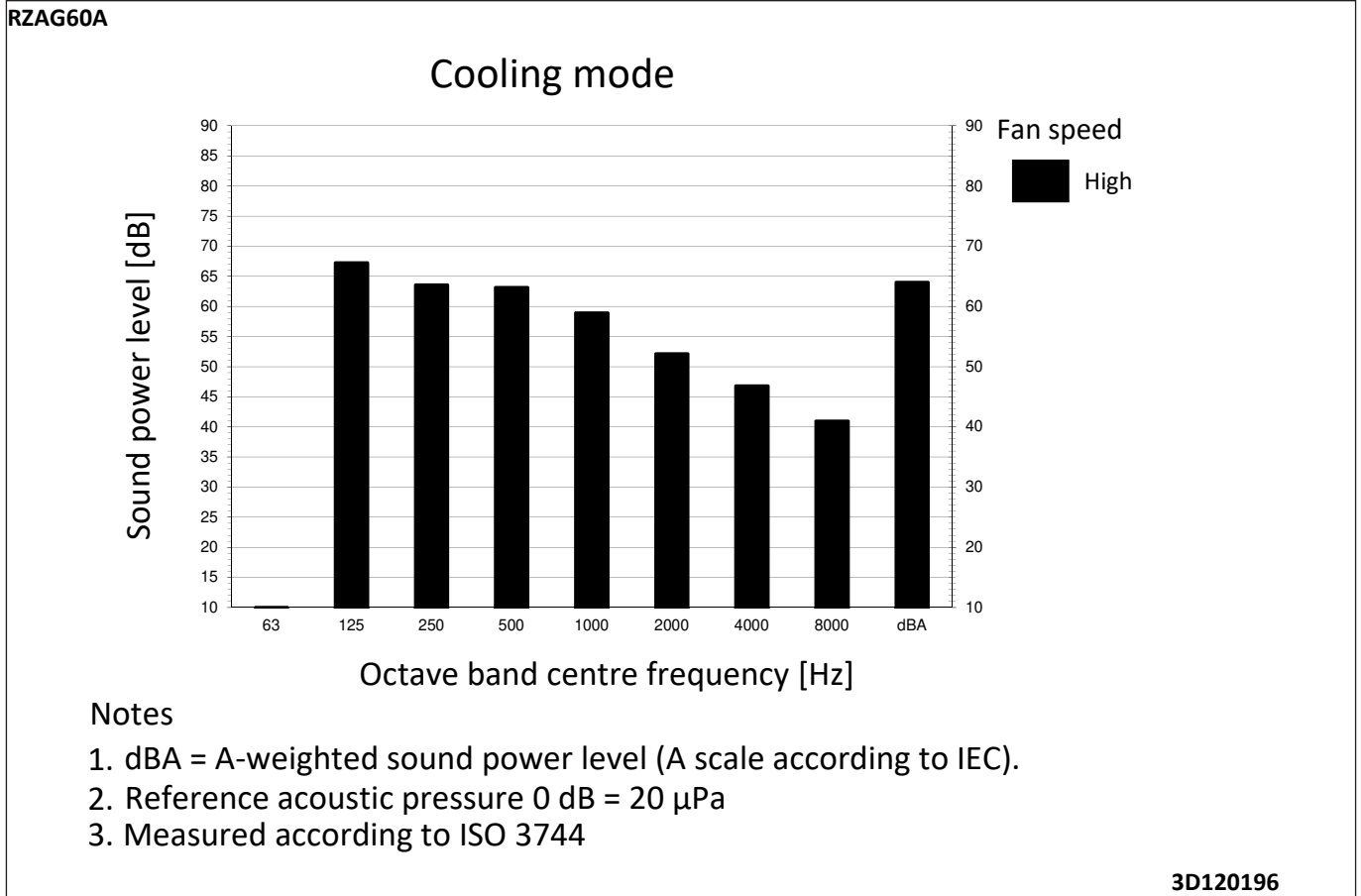
## 10 - 1 Sound Power Spectrum



# 10 Sound data

## 10 - 1 Sound Power Spectrum

10

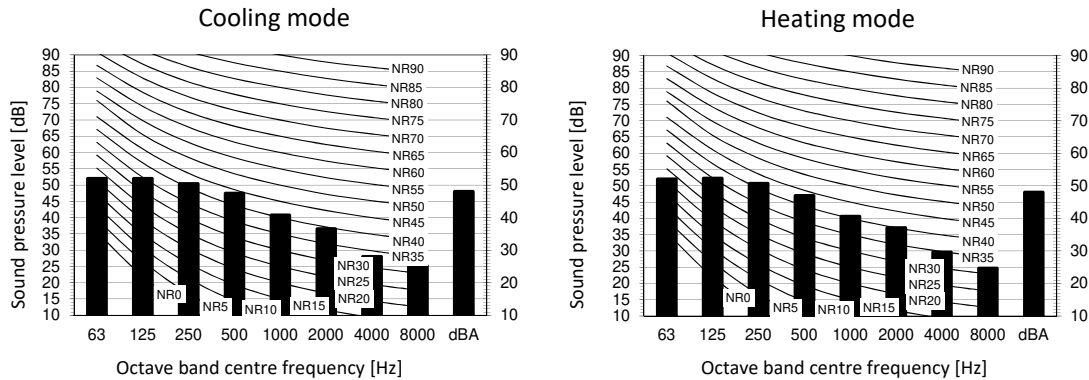




# 10 Sound data

## 10 - 2 Sound Pressure Spectrum

### RZAG35A

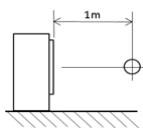


**Legend**

dBA = A-weighted sound pressure level (A scale according to IEC).

- A Scale
- B  Fan speed: High

Location of microphone



Cooling		Total dB	
A	B	A	B
dBA			48,0

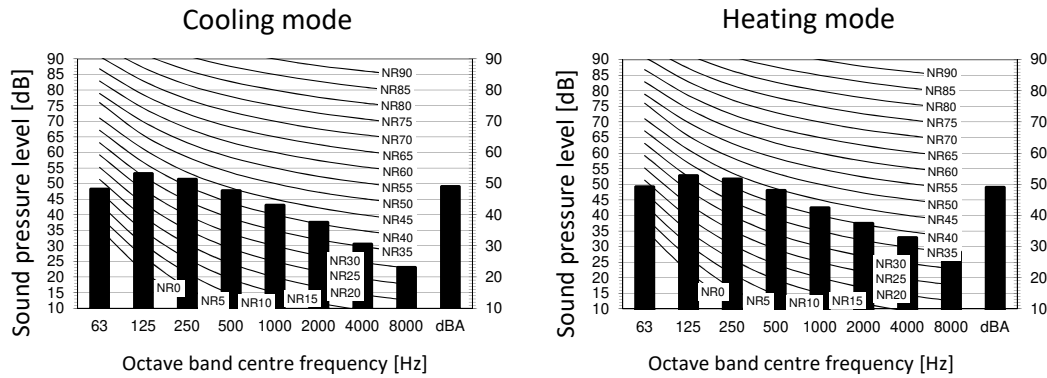
Heating		Total dB	
A	B	A	B
dBA			48,0

**Notes**

- 1 The operation noise measuring method is in accordance with JISC9612.
- 2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 3 Operating noise varies depending on operation and ambient conditions.
- 4 Background noise already taken into account.
- 5 Measuring location: anechoic chamber

3D120183

### RZAG50A

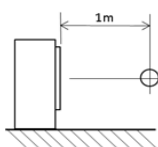


**Legend**

dBA = A-weighted sound pressure level (A scale according to IEC).

- A Scale
- B  Fan speed: High

Location of microphone



Cooling		Total dB	
A	B	A	B
dBA			49,0

Heating		Total dB	
A	B	A	B
dBA			49,0

**Notes**

- 1 Operating noise varies depending on operation and ambient conditions.
- 2 The operation noise measuring method is in accordance with JISC9612.
- 3 Background noise already taken into account.
- 4 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 5 Measuring location: anechoic chamber

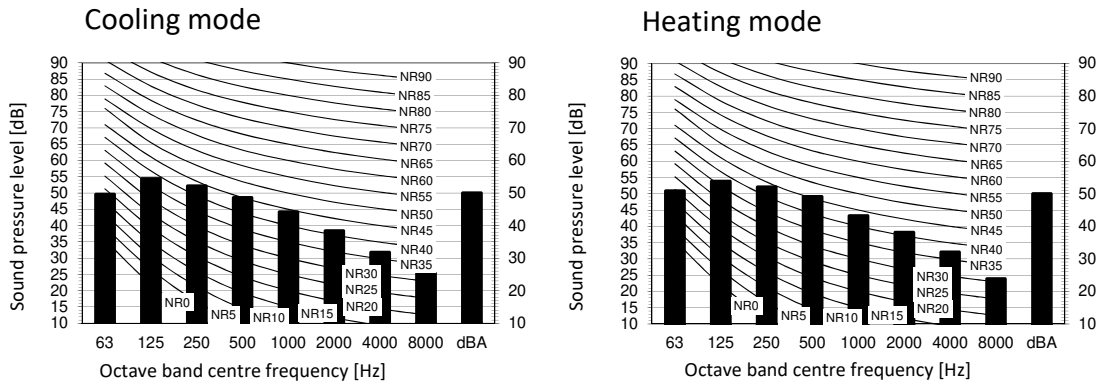
3D120184

# 10 Sound data

## 10 - 2 Sound Pressure Spectrum

10

RZAG60A

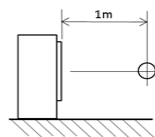


**Legend**

dBA = A-weighted sound pressure level (A scale according to IEC).

- A Scale
- B Fan speed: High

**Location of microphone**



Cooling		Heating	
Total dB		Total dB	
A	B	A	B
dBA	50,1	dBA	50,1

**Notes**

- 1 Background noise already taken into account.
- 2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 3 Operating noise varies depending on operation and ambient conditions.
- 4 The operation noise measuring method is in accordance with JISC9612.
- 5 Measuring location: anechoic chamber

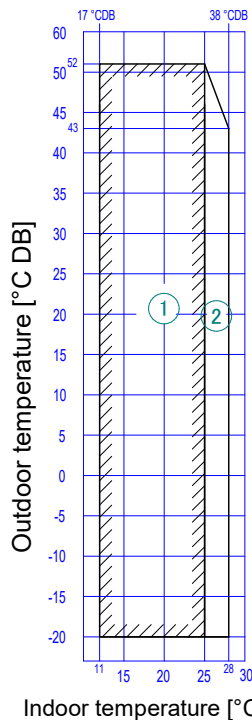
3D120185

# 11 Operation range

## 11 - 1 Operation Range

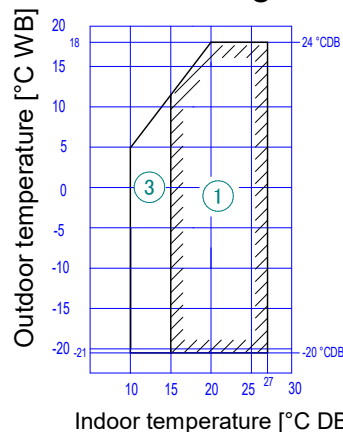
### RZAG35-60A

#### Cooling



- ① Operation range
- ② Pull-down operation range
- ③ Warm-up operation range

#### Heating



Notes

Indoor temperature [°C WB]

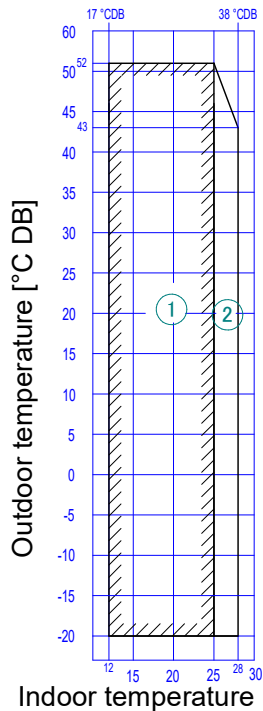
Indoor temperature [°C DB]

1. Depending on operation and installation conditions, the indoor unit can change over to freeze-up operation (indoor de-icing).
2. To reduce the freeze-up operation (indoor de-icing) frequency, it is recommended to install the outdoor unit in a location not exposed to wind.

**3D120009**

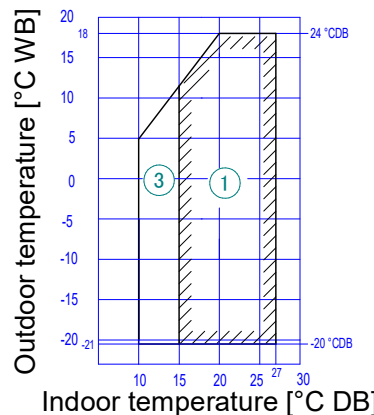
### RZAG35-60A

#### Cooling



- ① Operation range
- ② Pull-down operation range
- ③ Warm-up operation range

#### Heating



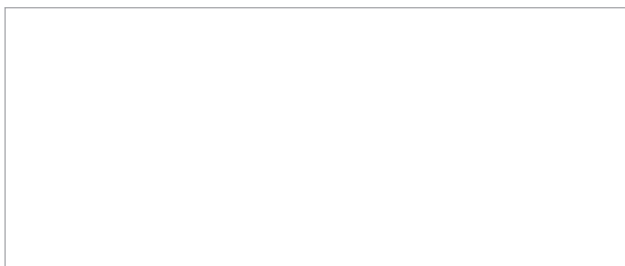
Notes

Indoor temperature [°C WB]

Indoor temperature [°C DB]

1. Depending on operation and installation conditions, the indoor unit can change over to freeze-up operation (indoor de-icing).
2. To reduce the freeze-up operation (indoor de-icing) frequency, it is recommended to install the outdoor unit in a location not exposed to wind.

**3D120010**



EEEDEN21

01/2021



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