



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



TABLE OF CONTENTS

RZAG-A

1	Features	4
	RZAG-A	4
2	Specifications	5
3	Electrical data	17
4	Options	20
5	Capacity tables	21
	Cooling Capacity Tables	21
	Cooling/Heating Capacity Tables	30
	Capacity Correction Factor	41
6	Dimensional drawings	42
7	Centre of gravity	43
8	Piping diagrams	44
9	Wiring diagrams	45
	Wiring Diagrams - Single Phase	45
10	Sound data	46
	Sound Power Spectrum	46
	Sound Pressure Spectrum	48
11	Operation range	50

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)



Guaranteed
operation
down to -20°C



Infrastructure
cooling



Inverter



Swing
compressor



Seasonal
efficiency -
Smart use of
energy



Replacement
technology



Auto cooling-
heating
changeover



Night quiet
mode

2 Specifications

2 - 1 Specifications

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	kg		52						
	Packed unit	kg		57						
Packing	Weight	kg		5						
Heat exchanger	Length		mm		920					
	Rows	Quantity		2						
	Fin pitch		mm		1.40					
	Passes	Quantity		2.0						
	Stages	Quantity		32						
	Tube type		ø7 Hi-XD							
	Fin	Type		Waffle fin (PE)						
	Fan	Type		Propeller fan						
Air flow rate		Cooling	Nom.	m³/min	55.1					
				cfm	1,947					
		Heating	Nom.	m³/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		cm³		650					
	Type		Hermetically sealed swing compressor							
	Output		W		1,300					
	Oil Type		FW68DA							
Sound power level	Cooling			dBA	62.0	63.0		64.0		
Sound power level	Heating			dBA	62.0	63.0		64.0		
Sound pressure level	Cooling	Nom.			dBA	48.0	49.0		50.0	
	Heating	Nom.			dBA	48.0	49.0		50.0	
Refrigerant	Type		R-32							
	Charge		kg		1.55					
	GWP		675.0							
Piping connections	Liquid	OD	mm		6.35					
	Gas	OD	mm		9.50	12.7				
	Drain	OD	mm		16					
	Piping	OU - IU	Max.	m	50					
	length	System	Chargeless	m	30					
	Additional refrigerant charge		kg/m		0.02 (for piping length exceeding 30m)					
	Level	IU - OU	Max.	m	30.0					
	difference									
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 |

Contains fluorinated greenhouse gases

2 Specifications

2 - 1 Specifications

2

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				
	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			A							C		B			
	Space cooling		Energy efficiency class	A++												
	Capacity		Pdesign kW	3.50		5.00		6.00								
Space heating (Average climate)	SEER			7.30	7.40	6.80		6.93		6.60		6.82				
	Annual energy consumption		kWh/a	168	166	257		252		318		308				
	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			3.73		3.96		4.00			
	Annual energy consumption		kWh/a	1,074	1,048	1,398		1,384		1,515		1,467				
Space cooling	Required back up heating cap at design conditions		kW	0.39		0.62			0.57		0.64		0.60			
	A Condition		Pdc kW	3.50		5.00		6.00								
	(35°C - 27/19)		EERd	4.40	4.57	3.90		3.98		3.40		3.79				
	Power input		kW	0.80	0.77	1.28		1.26		1.76		1.58				
	B Condition		Pdc kW	2.58		3.68		4.42								
	(30°C - 27/19)		EERd	7.04	6.92	5.82		5.95		5.74		5.92				
	Power input		kW	0.37		0.63			0.62		0.77		0.75			
	C Condition		Pdc kW	1.50	1.87	2.37		2.84								
	(25°C - 27/19)		EERd	9.98	10.74	8.41		8.54		7.65		7.89				
	Power input		kW	0.15	0.17	0.28		0.37								
	D Condition		Pdc kW	1.59	1.85		1.88		1.92							
	(20°C - 27/19)		EERd	13.20	13.42	12.89		13.30		12.82		12.98				
	Power input		kW	0.12	0.14		0.15									
	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			
Power input		kW	1.28	1.27	1.53		1.61		1.70		1.72					
TBivalent		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					
Power input		kW	1.08	1.05	1.43		1.42		1.57		1.51					
A Condition		Pdh (declared heating cap) kW	2.92		3.80		3.81		4.07							
(-7°C)		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 Condition		Pdh (declared heating cap) kW	1.78		2.32		2.48									
(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					
C Condition		Pdh (declared heating cap) kW	1.42	1.51		1.52		1.59								
(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							
D Condition		Pdh (declared heating cap) kW	1.57	1.60		1.61		1.63								
(12°C)		COPd (declared COP)	7.83	8.02	7.88		7.97		7.88		8.05					
Power input		kW	0.20													

2 Specifications

2 - 1 Specifications

Technical specifications					FCAG35B + RZAG35A	FCAG50B + RZAG35A	FCAG50B + RZAG50A	FCAG60B + RZAG50A	FCAG60B + RZAG60A	FCAG71B + RZAG60A
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0.000					
		Heating	PCK	kW	0.000					
	Off mode	Cooling	POFF	kW	0.012					
		Heating	POFF	kW	0.012					
	Standby mode	Cooling	PSB	kW	0.012					
Power consumption in other than active mode	Standby mode	Heating	PSB	kW	0.012					
	Thermo-stat-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.	dBa	62		63		64	
	Sound power level indoor	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			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			1.50							
	Min.		Btu/h	4,780.0	4,800.0		5,100.0							
	Min.		kcal/h	1,200.0			1,290.0		1,300.0		1,380.0			
	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			25,590.0				
	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			
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	Cooling		A				A						
	Heating													
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			
	PdH Heating capacity at -10°			kW	3.50	3.53		3.66		3.68		3.87		
Space heating (Average climate)	Annual energy consumption			kWh/a	1,546	1,455		1,501		1,474		1,558		
	Required back up heating cap at design conditions			kW	0.70	0.67		0.64		0.62		0.63		

2 Specifications

2 - 1 Specifications

2

Technical specifications					FFA35A9 + RZAG35A		FFA50A9 + RZAG35A		FFA50A9 + RZAG50A		FFA60A9 + RZAG50A		FFA60A9 + RZAG60A		
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	3.50				5.00				6.00		
		EERd			4.00		4.25	3.40		3.62	3.23				
		Power input		kW	0.88		0.82	1.47		1.38	1.86				
	B Condition (30°C - 27/19)	Pdc		kW	2.58				3.68				4.42		
		EERd			6.13		6.68	5.68		5.88	4.83				
		Power input		kW	0.42		0.39	0.65		0.63	0.92				
	C Condition (25°C - 27/19)	Pdc		kW	1.66		1.83	2.37				2.84			
		EERd			8.45		9.15	7.94		8.01	7.08				
		Power input		kW	0.20				0.30				0.40		
	D Condition (20°C - 27/19)	Pdc		kW	1.78		1.89	1.81		1.90	1.82				
		EERd			11.12		12.27	10.61		10.78	9.80				
		Power input		kW	0.16		0.15	0.17		0.18	0.19				
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 Condition (-7°C)	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					
	B Condition (2°C)	Pdh (declared heating cap)			kW	2.26				2.32				2.42	
		COPd (declared COP)				3.49	3.79	3.85	3.92	3.95					
		Power input			kW	0.65	0.60				0.59	0.61			
	C Condition (7°C)	Pdh (declared heating cap)			kW	1.52	1.56	1.55				1.59			
		COPd (declared COP)				5.39	5.59	5.26	5.36	5.09					
		Power input			kW	0.28				0.29				0.31	
	D Condition (12°C)	Pdh (declared heating cap)			kW	1.54	1.77	1.54				1.58			
		COPd (declared COP)				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 mode	Cooling	PCK	kW	0.000										
		Heating	PCK	kW	0.000										
	Off mode	Cooling	POFF	kW	0.012										
Power consumption in other than active mode	Off mode	Heating	POFF	kW	0.012										
	Standby mode	Cooling	PSB	kW	0.012										
		Heating	PSB	kW	0.012										
	Thermo-stat-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.	dBa	62			63				64			
		Cooling	Nom.	dBa	51	56			60						
	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		FBA71A2VEB9
Outdoor unit				-	RZAG35A2V1B	RZAG50A2V1B			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	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		5.0			6.0		7.0	
	Max.	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	

2 Specifications

2 - 1 Specifications

Technical specifications					FBA35A9 + RZAG35A	FBA50A9 + RZAG35A	FBA50A9 + RZAG50A	FBA60A9 + RZAG50A	FBA60A9 + RZAG60A	FBA71A9 + RZAG60A
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	1,500.0
	Nom.		kW	4.00			6.00		7.00	
	Nom.		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	
	Max.		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	1.81	
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		A					C	A
	Heating									
	Directive									
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	
	Pdh Heating capacity at -10°		kW	3.49	3.51	3.65	3.75	3.85	3.86	
Space heating (Average climate)	Annual energy consumption			kWh/a	1,434	1,420	1,469	1,406	1,537	1,508
	Required back up heating cap at design conditions			kW	0.71	0.69	0.65	0.55	0.65	0.64
Space cooling	A Condition	Pdc	kW	3.50		5.00		6.00		
	(35°C - 27/19)	EERd		4.50	4.62	4.00	4.11	4.05	4.31	
		Power input	kW	0.78	0.76	1.25	1.22	1.48	1.39	
	B Condition	Pdc	kW	2.58		3.68		4.42		
	(30°C - 27/19)	EERd		6.10	6.38	5.55	5.86	5.20	5.22	
		Power input	kW	0.42	0.40	0.66	0.63	0.85		
	C Condition	Pdc	kW	1.99	1.87	2.37		2.85	2.84	
	(25°C - 27/19)	EERd		8.14	8.00	8.12	8.65	7.65	7.76	
		Power input	kW	0.24	0.23	0.29	0.27	0.37		
	D Condition	Pdc	kW	1.92	1.85	1.92	1.88	1.93	1.92	
	(20°C - 27/19)	EERd		9.76	9.52	9.70	10.29	9.25	9.41	
		Power input	kW	0.20	0.19	0.20	0.18	0.21	0.20	
Space heating (Average climate)	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 Condition	Pdh (declared heating cap)	kW	3.73	3.71	3.80		3.98		
	(-7°C)	COPd (declared COP)		3.04	3.11	3.03	3.20	3.01	3.14	
		Power input	kW	1.23	1.19	1.25	1.19	1.32	1.27	
	B Condition	Pdh (declared heating cap)	kW	2.29	2.26	2.31	2.32	2.42		
	(2°C)	COPd (declared COP)		3.98	4.01	3.98	4.14	3.97	4.04	
		Power input	kW	0.58	0.56	0.58	0.56	0.61	0.60	
	C Condition	Pdh (declared heating cap)	kW	1.56	1.45	1.56	1.49	1.57	1.56	
	(7°C)	COPd (declared COP)		5.10	5.12	5.09	5.32	5.13	5.17	
		Power input	kW	0.31	0.28	0.31	0.28	0.31	0.30	
	D Condition	Pdh (declared heating cap)	kW	1.84	1.85	1.84	1.87	1.85	1.87	
	(12°C)	COPd (declared COP)		6.26		6.53		6.29	6.31	
		Power input	kW	0.29	0.300	0.29			0.30	
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0.000					
		Heating	PCK	kW	0.000					
	Off mode	Cooling	POFF	kW	0.012					
Power consumption in other than active mode	Off mode	Heating	POFF	kW	0.012					
	Standby mode	Cooling	PSB	kW	0.012					
		Heating	PSB	kW	0.012					
	Thermo-stat-off mode	Cooling	PTO	kW	0.004					
		Heating	PTO	kW	0.023					
Cooling	Cdc (Degradation cooling)			0.25						

2 Specifications

2 - 1 Specifications

2

Technical specifications					FBA35A9 + RZAG35A	FBA50A9 + RZAG35A	FBA50A9 + RZAG50A	FBA60A9 + RZAG50A	FBA60A9 + RZAG60A	FBA71A9 + RZAG60A
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	
	Sound power level indoor	Cooling	Nom.	dB(A)	60			56		
	Piping length	Cooling	Measuring condition	m	5.0					

Technical specifications				FHA35A9 + RZAG35A		FHA50A9 + RZAG35A		FHA50A9 + RZAG50A		FHA60A9 + RZAG50A		FHA60A9 + RZAG60A		FHA71A9 + RZAG60A	
Cooling capacity	Min.		kW	1.70						1.90					
	Min.		Btu/h	5,800.0						6,500.0					
	Min.		kcal/h	1,462.0						1,634.0					
	Nom.		kW	3.50				5.00				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	4.50				6.00				6.80			
	Max.		Btu/h	15,400.0				20,500.0				23,200.0			
	Max.		kcal/h	3,869.0				5,159.0				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	1,500.0			
	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		23,900.0					
	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		
	Max.		kcal/h	4,729.0				5,589.0				6,449.0			
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	Cooling		A						C	B				
		Heating	Directive	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						
	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						
	Required back up heating cap at design conditions		kW	0.35	0.33	0.54	0.52	0.97	0.64						
	Space cooling	A Condition	Pdc	kW	3.50				5.00				6.00		
(35°C - 27/19)		EERd		4.60	5.05	4.10	4.24	3.90	4.35						
		Power input	kW	0.76	0.69	1.22	1.18	1.54	1.38						
B Condition		Pdc	kW	2.58				3.68				4.42			
(30°C - 27/19)		EERd		6.47	6.72	6.29	6.60	5.55	5.74						
		Power input	kW	0.41	0.38	0.59	0.56	0.80	0.77						
C Condition		Pdc	kW	2.46	2.21	2.46	2.54	2.85	2.84						
(25°C - 27/19)		EERd		8.52	8.81	8.52	8.83	8.27	8.49						
		Power input	kW	0.29	0.25	0.29		0.34	0.33						
D Condition		Pdc	kW	2.05	2.17	2.10	2.20	2.12	2.26						
(20°C - 27/19)		EERd		11.30	11.50	11.19	11.49	10.98	11.15						
		Power input	kW	0.18	0.19				0.20						

2 Specifications

2 - 1 Specifications

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 Condition (-7°C)	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
	B Condition (2°C)	Pdh (declared heating cap)			kW	1.76	1.74	2.15		2.48	
		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 Condition (7°C)	Pdh (declared heating cap)			kW	1.63	1.65	1.64	1.65	1.64	1.66
		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 Condition (12°C)	Pdh (declared heating cap)			kW	1.77	1.80	1.79	1.80	1.78	1.81
		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 mode	Cooling	PCK	kW	0.000						
		Heating	PCK	kW	0.000						
	Off mode	Cooling	POFF	kW	0.012						
		Heating	POFF	kW	0.012						
	Standby mode	Cooling	PSB	kW	0.012						
Power consumption in other than active mode	Standby mode	Heating	PSB	kW	0.012						
	Thermo-stat-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	54				55	
	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			-		RZAG35A2V1B		RZAG50A2V1B				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		1,460.0		
	Nom.	kW	4.00			5.00				7.00		
	Nom.	Btu/h	13,700.0	13,600.0		17,100.0				23,900.0		
	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				25,590.0		
	Max.	kcal/h	4,299.0			5,159.0				6,449.0		

2 Specifications

2 - 1 Specifications

Technical specifications					FDXM35F9 + RZAG35A	FDXM50F9 + RZAG35A	FDXM50F9 + RZAG50A	FDXM60F9 + RZAG50A	FDXM60F9 + RZAG60A
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	Cooling					A		
	Directive	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 Condition	Pdc	kW		3.50		5.00		6.00
	(35°C - 27/19)	EERd			3.90	4.05	3.80	3.98	3.40
		Power input	kW		0.90	0.86	1.32	1.26	1.76
	B Condition	Pdc	kW		2.58		3.68		4.42
	(30°C - 27/19)	EERd			5.52	5.78	5.11	5.20	4.68
		Power input	kW		0.47	0.45	0.72	0.71	0.94
	C Condition	Pdc	kW		2.00	2.06	2.37		2.84
	(25°C - 27/19)	EERd			8.17	8.47	7.58	7.65	7.28
		Power input	kW		0.24		0.31		0.39
	D Condition	Pdc	kW		2.02		2.09		
	(20°C - 27/19)	EERd			9.76	10.09	9.11	9.15	8.85
		Power input	kW		0.21		0.23		0.24
	TOL	Tol (temperature operating limit)	°C				-20		
		Pdh (declared heating cap)	kW		2.64	2.72	3.01	3.08	3.30
		COPd (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
Space heating (Average climate)	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	2.58	2.32	2.34	2.31
		Power input	kW		1.24	1.44	1.66	1.62	1.72
	A Condition	Pdh (declared heating cap)	kW		3.10	3.72	3.80		3.98
	(-7°C)	COPd (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
	B Condition	Pdh (declared heating cap)	kW		1.89	2.26	2.32		2.42
	(2°C)	COPd (declared COP)			3.76	3.86	3.99	4.04	4.01
		Power input	kW		0.50	0.59	0.58	0.57	0.60
	C Condition	Pdh (declared heating cap)	kW		1.45	1.51		1.61	
	(7°C)	COPd (declared COP)			5.53	5.69	4.95	5.02	4.90
		Power input	kW		0.26	0.27	0.33	0.32	0.33
	D Condition	Pdh (declared heating cap)	kW		1.54	1.60	1.59	1.80	1.59
	(12°C)	COPd (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 mode	Cooling	PCK	kW			0.000		
		Heating	PCK	kW			0.000		
	Off mode	Cooling	POFF	kW			0.012		
		Heating	POFF	kW			0.012		
Power consumption in other than active mode	Standby mode	Cooling	PSB	kW			0.012		
		Heating	PSB	kW			0.012		
	Thermo-stat-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

2 - 1 Specifications

Technical specifications					FDXM35F9 + RZAG35A	FDXM50F9 + RZAG35A	FDXM50F9 + RZAG50A	FDXM60F9 + RZAG50A	FDXM60F9 + RZAG60A
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	62		63		64
	Sound power level indoor	Cooling	Nom.	dB(A)	53	55		56	
	Piping length	Cooling	Measuring condition	m	5.0				

Technical specifications					FNA35A9 + RZAG35A	FNA50A9 + RZAG35A	FNA50A9 + RZAG50A	FNA60A9 + RZAG50A	FNA60A9 + RZAG60A
Indoor unit					-	FNA50A2VEB9		FNA60A2VEB9	
Outdoor unit					-	RZAG35A2V1B	RZAG50A2V1B		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		5,800.0		
	Min.			kcal/h	1,200.0		1,460.0		1,460.0
	Nom.			kW	4.00		5.00		7.00
	Nom.			Btu/h	13,700.0		17,100.0		23,900.0
	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		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				449	432	658	628	882
	Energy labeling	Cooling			A				
		Heating			A				
Space cooling	Directive				B	A	C	B	C
	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				208	201	297	293	368
Space heating (Average climate)	Energy efficiency class				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°				2.99	3.49	3.62	3.63	3.82
Space heating (Average climate)	Annual energy consumption				1,255	1,452	1,542	1,528	1,616
	Required back up heating cap at design conditions				0.51	0.71	0.68	0.67	0.68
Space cooling	A Condition	Pdc		kW	3.50		5.00		6.00
	(35°C - 27/19)	EERd			3.90	4.05	3.80	3.98	3.40
		Power input		kW	0.90	0.86	1.32	1.26	1.76
	B Condition	Pdc		kW	2.58		3.68		4.42
	(30°C - 27/19)	EERd			5.52	5.79	5.12	5.20	4.68
		Power input		kW	0.47	0.45	0.72	0.71	0.94
	C Condition	Pdc		kW	2.00		2.37		2.84
	(25°C - 27/19)	EERd			8.17	8.46	7.57	7.65	7.28
		Power input		kW	0.24		0.31		0.39
	D Condition	Pdc		kW	2.02		2.09		
	(20°C - 27/19)	EERd			9.76	10.07	9.09	9.14	8.85
		Power input		kW	0.21		0.23		0.24

2 Specifications

2 - 1 Specifications

2

Technical specifications					FNA35A9 + RZAG35A	FNA50A9 + RZAG35A	FNA50A9 + RZAG50A	FNA60A9 + RZAG50A	FNA60A9 + RZAG60A
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 Condition (-7°C)	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	1.64	1.62	1.72
	B Condition (2°C)	Pdh (declared heating cap) kW			1.89	2.26	2.32		2.42
		COPd (declared COP)			3.76	3.85	4.02	4.03	4.01
		Power input kW			0.50	0.59	0.58		0.60
	C Condition (7°C)	Pdh (declared heating cap) kW			1.45	1.51	1.61		
		COPd (declared COP)			5.53	5.69	4.90	5.02	4.90
		Power input kW			0.26	0.27	0.33	0.32	0.33
	D Condition (12°C)	Pdh (declared heating cap) kW			1.54	1.60	1.59	1.80	1.59
		COPd (declared COP)			6.76	6.97	6.53	6.70	6.52
		Power input kW			0.23	0.230	0.24	0.27	0.24
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0.000				
		Heating	PCK	kW	0.000				
	Off mode	Cooling	POFF	kW	0.012				
Power consumption in other than active mode	Off mode	Heating	POFF	kW	0.012				
		Cooling	PSB	kW	0.012				
	Standby mode	Heating	PSB	kW	0.012				
		Cooling	PTO	kW	0.004				
	Thermo-stat-off mode	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.	dBa	62		63		64
		Cooling	Nom.	dBa	53	56			
	Piping length	Cooling	Measuring condition	m	5.0				

Technical specifications					FTXM35R + RZAG35A	FTXM50R + RZAG35A	FTXM50R + RZAG50A	FTXM60R + RZAG50A	FTXM60R + RZAG60A	FTXM71R + RZAG60A
Cooling capacity	Min.	kW			1.6	1.60	1.7	1.70	1.7	1.70
	Min.	Btu/h			5,500.0	5,500	5,800.0	5,800	5,800.0	5,800
	Min.	kcal/h			1,376.0	1,376	1,462.0	1,462	1,462.0	1,462
	Nom.	kW			3.5	3.50	5.0	5.00	6.0	6.00
	Nom.	Btu/h			11,900.0	11,900	17,100.0	17,100	20,500.0	20,500
	Nom.	kcal/h			3,009.0	3,009	4,299.0	4,299	5,159.0	5,159
	Max.	kW			5.0	5.00	6.0	6.00	6.8	6.80
	Max.	Btu/h			17,000.0	17,100	20,500.0	20,500	23,200.0	23,200
	Max.	kcal/h			4,299.0	4,299	5,159.0	5,159	5,847.0	5,847
	Max.	kW								
Heating capacity	Min.	kW			1.40		1.50		1.60	
	Min.	Btu/h			4,780.0	4,800	5,100.0	5,100	5,500.0	5,500
	Min.	kcal/h			1,200.0	1,200	1,290.0	1,300	1,380.0	1,400
	Nom.	kW			4.00		6.00		7.00	
	Nom.	Btu/h			13,700.0	13,600	20,500.0	20,500	23,900.0	23,900
	Nom.	kcal/h			3,439.0	3,439	5,159.0	5,159	6,019.0	6,019
	Max.	kW			5.30		6.50		7.50	
	Max.	Btu/h			18,000.0	18,100	22,200.0	22,200	25,590.0	25,600
	Max.	kcal/h			4,557.0	4,557	5,589.0	5,589	6,449.0	6,449
	Max.	kW								
Power input	Cooling	Nom.	kW		0.81		1.25	1.24	1.71	
	Heating	Nom.	kW		1.04	1.02	1.50	1.47	1.94	1.90

2 Specifications

2 - 1 Specifications

Technical specifications					FTXM35R + RZAG35A	FTXM50R + RZAG35A	FTXM50R + RZAG50A	FTXM60R + RZAG50A	FTXM60R + RZAG60A	FTXM71R + RZAG60A	
Nominal efficiency	EER				4.30	4.32	4.00	4.04	3.50		
	COP				3.85	3.93	4.00	4.08	3.61	3.68	
	Annual energy consumption		kWh		407	405	625	619	857		
	Energy labeling	Cooling			A						
		Heating			A						
	Directive										
Space cooling	Energy efficiency class				A++						
	Capacity	Pdesign	kW		3.50		5.00		6.00		
	SEER				7.70	7.76	7.41	7.53	6.90		
	Annual energy consumption		kWh/a		159	158	236	232	304		
Space heating (Average climate)	Energy efficiency class				A++				A+		
	Capacity	Pdesign	kW		2.60		4.50		4.60	4.50	
	SCOP/A				4.60	4.68	4.60	4.69	4.35	4.40	
	SCOPnet/A				4.63	4.70	4.64	4.73	4.38	4.43	
	Pdh Heating capacity at -10°		kW		2.47		3.89		4.02	3.95	
	Annual energy consumption		kWh/a		790	778	1,369	1,344	1,480	1,433	
	Required back up heating cap at design conditions		kW		0.13		0.61		0.58	0.55	
Space cooling	A Condition	Pdc	kW		3.50		5.00		6.00		
	(35°C - 27/19)	EERd			4.30	4.32	4.00	4.04	3.50		
		Power input	kW		0.81		1.25	1.24	1.71		
	B Condition	Pdc	kW		2.58		3.68		4.42		
	(30°C - 27/19)	EERd			6.09	6.15	5.38	5.49	4.82		
		Power input	kW		0.42		0.68	0.67	0.92		
	C Condition	Pdc	kW		1.80		2.37		2.84		
	(25°C - 27/19)	EERd			9.34	9.43	8.82	8.99	8.15		
		Power input	kW		0.19		0.27	0.26	0.35		
	D Condition	Pdc	kW		1.91	1.89	2.08	2.10			
	(20°C - 27/19)	EERd			12.34	12.41	13.03	13.16	12.96		
		Power input	kW		0.15		0.16				
	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	2.24
			Power input	kW		1.29	1.28	1.58	1.56	1.73	1.72
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	2.77	
		Power input	kW		0.77	0.75	1.33	1.30	1.49	1.47	
A Condition		Pdh (declared heating cap)	kW		2.31	2.30	3.98		4.07		
(-7°C)		COPd (declared COP)			3.00	3.06	3.00	3.06	2.74	2.77	
		Power input	kW		0.77	0.75	1.33	1.30	1.49	1.47	
B Condition		Pdh (declared heating cap)	kW		1.35	1.40	2.44	2.42	2.48		
(2°C)		COPd (declared COP)			4.67	4.76	4.49	4.58	4.27	4.31	
		Power input	kW		0.29		0.54	0.53	0.58		
C Condition		Pdh (declared heating cap)	kW		1.31	1.42	1.56		1.59		
(7°C)		COPd (declared COP)			6.13	6.25	6.00	6.12	5.71	5.77	
		Power input	kW		0.21	0.23	0.26	0.25	0.28		
D Condition		Pdh (declared heating cap)	kW		1.54	1.66	1.67				
(12°C)		COPd (declared COP)			7.43	7.58	7.76	7.84	7.50	7.58	
		Power input	kW		0.21	0.22		0.21	0.22		
Power consumption in other than active mode	Crankcase heater mode	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						
		Heating	PSB	kW	0.001						
Power consumption in other than active mode	Standby mode	Heating	PSB	kW	0.001						
	Thermo-stat-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

2 - 1 Specifications

2

Technical specifications					FTXM35R + RZAG35A	FTXM50R + RZAG35A	FTXM50R + RZAG50A	FTXM60R + RZAG50A	FTXM60R + RZAG60A	FTXM71R + RZAG60A
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	62		63		64	
	Sound power level indoor	Cooling	Nom.	dB(A)	58			60		62
	Piping length	Cooling	Measuring condition	m	5.0	5.00	5.0	5.00	5.0	5.00

3 Electrical data

3 - 1 Electrical Data

RZAG35A

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG35A2V1B	FDXM35F3V1B9	50	220	Maximum ·50·Hz ·264·V	14,53	16	41	4,9	0,058	0,38	0,034	0,30
		50	230					4,7				
		50	240	Minimum ·50·Hz ·198·V				4,5				
RZAG35A2V1B	FFA35A2VEB9	50	220	Maximum ·50·Hz ·264·V	14,43	16	38	4,6	0,058	0,38	0,050	0,20
		50	230					4,4				
		50	240	Minimum ·50·Hz ·198·V				4,2				
RZAG35A2V1B	FBA35A2VEB9	50	220	Maximum ·50·Hz ·264·V	15,63	16	33	3,4	0,058	0,38	0,089	1,40
		50	230					3,3				
		50	240	Minimum ·50·Hz ·198·V				3,2				
RZAG35A2V1B	FCAG35BVEB	50	220	Maximum ·50·Hz ·264·V	14,53	16	37	4,3	0,058	0,38	0,048	0,30
		50	230					4,1				
		50	240	Minimum ·50·Hz ·198·V				3,9				
RZAG35A2V1B	FNA35A2VEB9	50	220	Maximum ·50·Hz ·264·V	14,73	16	41	4,9	0,058	0,38	0,034	0,50
		50	230					4,7				
		50	240	Minimum ·50·Hz ·198·V				4,5				
RZAG35A2V1B	FTXM35N2V1B	50	220	Maximum ·50·Hz ·264·V	14,48	16	40	5,1	0,058	0,38	0,028	0,25
		50	230					4,9				
		50	240	Minimum ·50·Hz ·198·V				4,7				
RZAG35A2V1B	FHA35AVEB98	50	220	Maximum ·50·Hz ·264·V	14,83	16	36	3,8	0,058	0,38	0,090	0,60
		50	230					3,6				
		50	240	Minimum ·50·Hz ·198·V				3,5				
RZAG35A2V1B	FDXM50F3V1B9	50	220	Maximum ·50·Hz ·264·V	15,23	16	41	4,8	0,058	0,38	0,060	0,90
		50	230					4,6				
		50	240	Minimum ·50·Hz ·198·V				4,4				
RZAG35A2V1B	FFA50A2VEB9	50	220	Maximum ·50·Hz ·264·V	14,63	16	38	4,6	0,058	0,38	0,050	0,40
		50	230					4,4				
		50	240	Minimum ·50·Hz ·198·V				4,2				
RZAG35A2V1B	FBA50A2VEB9	50	220	Maximum ·50·Hz ·264·V	15,63	16	33	3,4	0,058	0,38	0,089	1,40
		50	230					3,3				
		50	240	Minimum ·50·Hz ·198·V				3,2				
RZAG35A2V1B	FCAG50BVEB	50	220	Maximum ·50·Hz ·264·V	14,53	16	37	4,3	0,058	0,38	0,048	0,30
		50	230					4,1				
		50	240	Minimum ·50·Hz ·198·V				3,9				
RZAG35A2V1B	FNA50A2VEB9	50	220	Maximum ·50·Hz ·264·V	14,73	16	41	4,8	0,058	0,38	0,060	0,50
		50	230					4,6				
		50	240	Minimum ·50·Hz ·198·V				4,4				
RZAG35A2V1B	FTXM50N2V1B	50	220	Maximum ·50·Hz ·264·V	14,83	16	40	5,0	0,058	0,38	0,046	0,60
		50	230					4,8				
		50	240	Minimum ·50·Hz ·198·V				4,6				
RZAG35A2V1B	FHA50AVEB98	50	220	Maximum ·50·Hz ·264·V	14,83	16	36	3,8	0,058	0,38	0,090	0,60
		50	230					3,6				
		50	240	Minimum ·50·Hz ·198·V				3,5				
RZAG35A2V1B	FTXM35R2V1B	50	220	Maximum ·50·Hz ·264·V	14,53	16	40	5,1	0,058	0,38	0,030	0,30
		50	230					4,9				
		50	240	Minimum ·50·Hz ·198·V				4,7				
RZAG35A2V1B	FTXM35R5V1B	50	220	Maximum ·50·Hz ·264·V	14,53	16	40	5,1	0,058	0,38	0,030	0,30
		50	230					4,9				
		50	240	Minimum ·50·Hz ·198·V				4,7				
RZAG35A2V1B	FTXM50R2V1B	50	220	Maximum ·50·Hz ·264·V	14,83	16	40	5,0	0,058	0,38	0,046	0,60
		50	230					4,8				
		50	240	Minimum ·50·Hz ·198·V				4,6				

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]

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.

3D118439E

3 Electrical data

3 - 1 Electrical Data

RZAG50A

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG50A2V1B	FDXM50F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,23	16	57	5,4	0,058	0,38	0,060	0,9
		50	230					5,2				
		50	240					5,0				
RZAG50A2V1B	FFA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,63	16	62	5,5	0,058	0,38	0,050	0,4
		50	230					5,2				
		50	240					5,0				
RZAG50A2V1B	FBA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,63	16	53	6,8	0,058	0,38	0,089	1,4
		50	230					6,5				
		50	240					6,2				
RZAG50A2V1B	FCAG50BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,53	16	56	7,3	0,058	0,38	0,048	0,3
		50	230					7,0				
		50	240					6,7				
RZAG50A2V1B	FNA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,73	16	57	5,4	0,058	0,38	0,060	0,5
		50	230					5,2				
		50	240					5,0				
RZAG50A2V1B	FTXM50N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	54	6,5	0,058	0,38	0,046	0,6
		50	230					6,2				
		50	240					5,9				
RZAG50A2V1B	FHA50AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	52	5,0	0,058	0,38	0,090	0,6
		50	230					4,8				
		50	240					4,6				
RZAG50A2V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,23	16	57	5,4	0,058	0,38	0,060	0,9
		50	230					5,2				
		50	240					5,0				
RZAG50A2V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	62	5,5	0,058	0,38	0,050	0,6
		50	230					5,2				
		50	240					5,0				
RZAG50A2V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,53	16	53	6,9	0,058	0,38	0,070	1,3
		50	230					6,6				
		50	240					6,3				
RZAG50A2V1B	FCAG60BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,53	16	56	7,3	0,058	0,38	0,048	0,3
		50	230					7,0				
		50	240					6,7				
RZAG50A2V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	57	5,4	0,058	0,38	0,060	0,6
		50	230					5,2				
		50	240					5,0				
RZAG50A2V1B	FTXM60N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	54	6,5	0,058	0,38	0,046	0,6
		50	230					6,2				
		50	240					5,9				
RZAG50A2V1B	FHA60AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	52	5,0	0,058	0,38	0,091	0,6
		50	230					4,8				
		50	240					4,6				
RZAG50A2V1B	FTXM50R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	54	6,5	0,058	0,38	0,046	0,6
		50	230					6,2				
		50	240					5,9				
RZAG50A2V1B	FTXM60R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	54	6,5	0,058	0,38	0,046	0,6
		50	230					6,2				
		50	240					5,9				

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 Ampere [A]
kW: Fan motor rated output [kW]
RHz: Rated operating frequency [Hz]

3D118440D

3 Electrical data

3 - 1 Electrical Data

RZAG60A

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	Maximum :50·Hz ·264·V	17,10	20	70	7,3	0,058	0,38	0,060	0,9
		50	230					6,9				
		50	240	Minimum :50·Hz ·198·V				6,7				
RZAG60A2V1B	FFA60A2VEB9	50	220	Maximum :50·Hz ·264·V	16,70	20	70	9,0	0,058	0,38	0,050	0,6
		50	230					8,6				
		50	240	Minimum :50·Hz ·198·V				8,2				
RZAG60A2V1B	FBA60A2VEB9	50	220	Maximum :50·Hz ·264·V	17,40	20	65	7,0	0,058	0,38	0,070	1,3
		50	230					6,7				
		50	240	Minimum :50·Hz ·198·V				6,4				
RZAG60A2V1B	FCAG60BVEB	50	220	Maximum :50·Hz ·264·V	16,40	20	72	7,5	0,058	0,38	0,048	0,3
		50	230					7,2				
		50	240	Minimum :50·Hz ·198·V				6,9				
RZAG60A2V1B	FNA60A2VEB9	50	220	Maximum :50·Hz ·264·V	16,70	20	70	9,0	0,058	0,38	0,060	0,6
		50	230					8,6				
		50	240	Minimum :50·Hz ·198·V				8,3				
RZAG60A2V1B	FTXM60N2V1B	50	220	Maximum :50·Hz ·264·V	16,70	20	71	8,4	0,058	0,38	0,046	0,6
		50	230					8,1				
		50	240	Minimum :50·Hz ·198·V				7,7				
RZAG60A2V1B	FHA60AVEB98	50	220	Maximum :50·Hz ·264·V	16,70	20	67	8,1	0,058	0,38	0,091	0,6
		50	230					7,7				
		50	240	Minimum :50·Hz ·198·V				7,4				
RZAG60A2V1B	FBA71A2VEB9	50	220	Maximum :50·Hz ·264·V	17,40	20	65	8,9	0,058	0,38	0,070	1,3
		50	230					8,5				
		50	240	Minimum :50·Hz ·198·V				8,1				
RZAG60A2V1B	FCAG71BVEB	50	220	Maximum :50·Hz ·264·V	16,40	20	72	7,5	0,058	0,38	0,054	0,3
		50	230					7,2				
		50	240	Minimum :50·Hz ·198·V				6,9				
RZAG60A2V1B	FTXM71N2V1B	50	220	Maximum :50·Hz ·264·V	16,70	20	71	8,4	0,058	0,38	0,052	0,6
		50	230					8,0				
		50	240	Minimum :50·Hz ·198·V				7,7				
RZAG60A2V1B	FHA71AVEB98	50	220	Maximum :50·Hz ·264·V	16,90	20	67	8,1	0,058	0,38	0,110	0,8
		50	230					7,7				
		50	240	Minimum :50·Hz ·198·V				7,4				
RZAG60A2V1B	FTXM60R2V1B	50	220	Maximum :50·Hz ·264·V	16,70	20	71	8,4	0,058	0,38	0,046	0,6
		50	230					8,1				
		50	240	Minimum :50·Hz ·198·V				7,7				
RZAG60A2V1B	FTXM71R2V1B	50	220	Maximum :50·Hz ·264·V	16,70	20	71	8,4	0,058	0,38	0,052	0,6
		50	230					8,0				
		50	240	Minimum :50·Hz ·198·V				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]

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4 Options

4 - 1 Options

RZAG35A

RZAG60A

4

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

4D121273

5 Capacity tables

5 - 1 Cooling Capacity Tables

FCAG50B / RZAG35A

Cooling

Indoor			Outdoor temperature [°C DB]																							
			-20				-15				-10				-5				0				5			
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
%	°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
41.8	11	18	2.64	2.64	0.20	2.64	2.64	0.22	2.64	2.64	0.24	2.64	2.64	0.27	2.64	2.64	0.29	2.64	2.64	0.32	2.64	2.64	0.39	2.64	2.64	0.45
57	13		3.51	2.61	0.25	3.51	2.61	0.27	3.51	2.61	0.30	3.51	2.61	0.33	3.51	2.61	0.36	3.51	2.61	0.39	3.51	2.61	0.46	3.51	2.61	0.53
31.4	11		2.63	2.63	0.20	2.63	2.63	0.22	2.63	2.63	0.24	2.63	2.63	0.27	2.63	2.63	0.29	2.63	2.63	0.32	2.63	2.63	0.38	2.63	2.63	0.45
44.9	13	20	3.51	3.02	0.25	3.51	3.02	0.27	3.51	3.02	0.30	3.51	3.02	0.33	3.51	3.02	0.36	3.51	3.02	0.39	3.51	3.02	0.46	3.51	3.02	0.53
52	14		3.59	2.79	0.27	3.59	2.79	0.30	3.59	2.79	0.32	3.59	2.79	0.36	3.59	2.79	0.39	3.59	2.79	0.42	3.59	2.79	0.47	3.59	2.79	0.53
22.8	11		2.62	2.62	0.20	2.62	2.62	0.22	2.62	2.62	0.24	2.62	2.62	0.27	2.62	2.62	0.29	2.62	2.62	0.32	2.62	2.62	0.38	2.62	2.62	0.45
34.8	13		3.51	3.44	0.25	3.51	3.44	0.27	3.51	3.44	0.30	3.51	3.44	0.33	3.51	3.44	0.36	3.51	3.44	0.39	3.51	3.44	0.46	3.51	3.44	0.53
47.6	15	22	3.67	2.98	0.36	3.67	2.98	0.39	3.67	2.98	0.42	3.67	2.98	0.42	3.67	2.98	0.42	3.67	2.98	0.42	3.67	2.98	0.48	3.67	2.98	0.53
54.3	16		3.75	2.75	0.48	3.75	2.75	0.48	3.75	2.75	0.48	3.75	2.75	0.48	3.75	2.75	0.48	3.75	2.75	0.48	3.75	2.75	0.48	3.75	2.75	0.53
21.2	12		3.11	3.11	0.21	3.11	3.11	0.25	3.11	3.11	0.27	3.11	3.11	0.30	3.11	3.11	0.33	3.11	3.11	0.36	3.11	3.11	0.42	3.11	3.11	0.49
32.1	14	24	3.59	3.59	0.27	3.59	3.59	0.30	3.59	3.59	0.32	3.59	3.59	0.36	3.59	3.59	0.39	3.59	3.59	0.42	3.59	3.59	0.47	3.59	3.59	0.53
43.8	16		3.75	3.16	0.48	3.75	3.16	0.48	3.75	3.16	0.48	3.75	3.16	0.48	3.75	3.16	0.48	3.75	3.16	0.48	3.75	3.16	0.48	3.75	3.16	0.53
50	17		3.83	2.93	0.48	3.83	2.93	0.48	3.83	2.93	0.48	3.83	2.93	0.48	3.83	2.93	0.48	3.83	2.93	0.48	3.83	2.93	0.48	3.83	2.93	0.54
21.5	14		3.59	3.59	0.27	3.59	3.59	0.29	3.59	3.59	0.32	3.59	3.59	0.36	3.59	3.59	0.39	3.59	3.59	0.42	3.59	3.59	0.47	3.59	3.59	0.53
26.3	15	27	3.67	3.67	0.36	3.67	3.67	0.39	3.67	3.67	0.42	3.67	3.67	0.42	3.67	3.67	0.42	3.67	3.67	0.42	3.67	3.67	0.42	3.67	3.67	0.53
31.3	16		3.75	3.75	0.48	3.75	3.75	0.48	3.75	3.75	0.48	3.75	3.75	0.48	3.75	3.75	0.48	3.75	3.75	0.48	3.75	3.75	0.48	3.75	3.75	0.53

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

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FCAG60B / RZAG50A

Cooling

Indoor			Outdoor temperature [°C DB]																							
			-20				-15				-10				-5				0				5			
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
%	°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
41.8	11	18	2.93	2.93	0.26	2.93	2.93	0.29	2.93	2.93	0.32	2.93	2.93	0.35	2.93	2.93	0.39	2.93	2.93	0.43	2.93	2.93	0.51	2.93	2.93	0.71
57	13		4.07	2.99	0.34	4.07	2.99	0.37	4.07	2.99	0.41	4.07	2.99	0.45	4.07	2.99	0.49	4.07	2.99	0.54	4.07	2.99	0.64	4.07	2.99	0.85
31.4	11		2.93	2.93	0.26	2.93	2.93	0.29	2.93	2.93	0.32	2.93	2.93	0.35	2.93	2.93	0.39	2.93	2.93	0.43	2.93	2.93	0.51	2.93	2.93	0.71
44.9	13	20	4.06	3.44	0.34	4.06	3.44	0.37	4.06	3.44	0.41	4.06	3.44	0.45	4.06	3.44	0.49	4.06	3.44	0.54	4.06	3.44	0.64	4.06	3.44	0.85
52	14		4.66	3.44	0.27	4.66	3.44	0.41	4.66	3.44	0.45	4.66	3.44	0.49	4.66	3.44	0.54	4.66	3.44	0.59	4.66	3.44	0.69	4.66	3.44	0.91
22.9	11		2.92	2.92	0.26	2.92	2.92	0.29	2.92	2.92	0.32	2.92	2.92	0.35	2.92	2.92	0.38	2.92	2.92	0.42	2.92	2.92	0.51	2.92	2.92	0.71
34.8	13	22	4.05	3.90	0.33	4.05	3.90	0.37	4.05	3.90	0.40	4.05	3.90	0.44	4.05	3.90	0.49	4.05	3.90	0.53	4.05	3.90	0.63	4.05	3.90	0.85
47.6	15		5.24	3.88	0.40	5.24	3.88	0.44	5.24	3.88	0.49	5.24	3.88	0.53	5.24	3.88	0.58	5.24	3.88	0.63	5.24	3.88	0.74	5.24	3.88	0.97
54.3	16		5.35	3.61	0.44	5.35	3.61	0.48	5.35	3.61	0.53	5.35	3.61	0.57	5.35	3.61	0.63	5.35	3.61	0.68	5.35	3.61	0.78	5.35	3.61	0.97
21.2	12		3.46	3.46	0.30	3.46	3.46	0.33	3.46	3.46	0.36	3.46	3.46	0.40	3.46	3.46	0.44	3.46	3.46	0.48	3.46	3.46	0.57	3.46	3.46	0.78
32.1	14	24	4.64	4.35	0.27	4.64	4.35	0.41	4.64	4.35	0.45	4.64	4.35	0.49	4.64	4.35	0.54	4.64	4.35	0.58	4.64	4.35	0.69	4.64	4.35	0.91
43.8	16		5.35	4.08	0.43	5.35	4.08	0.48	5.35	4.08	0.52	5.35	4.08	0.57	5.35	4.08	0.63	5.35	4.08	0.68	5.35	4.08	0.78	5.35	4.08	0.97
50	17		5.47	3.81	0.50	5.47	3.81	0.54	5.47	3.81	0.59	5.47	3.81	0.65	5.47	3.81	0.69	5.47	3.81	0.74	5.47	3.81	0.88	5.47	3.81	0.97
21.5	14		4.62	4.62	0.37	4.62	4.62	0.40	4.62	4.62	0.44	4.62	4.62	0.49	4.62	4.62	0.53	4.62	4.62	0.58	4.62	4.62	0.69	4.62	4.62	0.91
26.3	15	27	5.24	5.04	0.40	5.24	5.04	0.44	5.24	5.04	0.48	5.24	5.04	0.53	5.24	5.04	0.58	5.24	5.04	0.63	5.24	5.04	0.74	5.24	5.04	0.97
31.3	16		5.35	4.77	0.43	5.35	4.77	0.48	5.35	4.77	0.52	5.35	4.77	0.57	5.35	4.77	0.62	5.35	4.77	0.68	5.35	4.77	0.78	5.35	4.77	0.97

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

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5 Capacity tables

5 - 1 Cooling Capacity Tables

FCAG71B / RZAG60A

Cooling

Indoor			Outdoor temperature [°C DB]																																
			-20			-15			-10			-5			0			5			10			15			20			25			30		
			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
RM	EWB	EDB	kW	kW	°C	kW	kW	°C	kW	kW	°C	kW	kW	°C	kW	kW	°C	kW	kW	°C	kW	kW	°C	kW	kW	°C	kW	kW	°C	kW	kW	°C	kW	kW	°C
41.8	11	18	3.40	3.40	0.44	3.40	3.40	0.48	3.40	3.40	0.53	3.40	3.40	0.59	3.40	3.40	0.67	3.40	3.40	0.75	3.40	3.40	0.95	3.40	3.40	1.09	3.40	3.40	1.20	3.40	3.40	1.32	3.40	3.40	1.44
57	13		4.72	3.46	0.49	4.72	3.46	0.54	4.72	3.46	0.60	4.72	3.46	0.66	4.72	3.46	0.73	4.72	3.46	0.81	4.72	3.46	0.97	4.72	3.46	1.09	4.72	3.46	1.21	4.72	3.46	1.33	4.72	3.46	1.45
31.4	11		3.39	3.39	0.44	3.39	3.39	0.48	3.39	3.39	0.53	3.39	3.39	0.59	3.39	3.39	0.67	3.39	3.39	0.75	3.39	3.39	0.95	3.39	3.39	1.09	3.39	3.39	1.20	3.39	3.39	1.32	3.39	3.39	1.44
44.9	13	20	4.71	3.99	0.49	4.71	3.99	0.54	4.71	3.99	0.60	4.71	3.99	0.66	4.71	3.99	0.73	4.71	3.99	0.81	4.71	3.99	0.97	4.71	3.99	1.09	4.71	3.99	1.21	4.71	3.99	1.33	4.71	3.99	1.45
52	14		5.40	3.99	0.51	5.40	3.99	0.57	5.40	3.99	0.63	5.40	3.99	0.69	5.40	3.99	0.76	5.40	3.99	0.83	5.40	3.99	0.98	5.40	3.99	1.10	5.40	3.99	1.22	5.40	3.99	1.33	5.40	3.99	1.45
22.9	11		3.38	3.38	0.44	3.38	3.38	0.48	3.38	3.38	0.53	3.38	3.38	0.59	3.38	3.38	0.66	3.38	3.38	0.75	3.38	3.38	0.95	3.38	3.38	1.09	3.38	3.38	1.20	3.38	3.38	1.32	3.38	3.38	1.44
34.8	13		4.69	4.52	0.49	4.69	4.52	0.54	4.69	4.52	0.60	4.69	4.52	0.66	4.69	4.52	0.73	4.69	4.52	0.81	4.69	4.52	0.97	4.69	4.52	1.09	4.69	4.52	1.21	4.69	4.52	1.33	4.69	4.52	1.45
47.6	15	22	6.11	4.52	0.53	6.11	4.52	0.59	6.11	4.52	0.65	6.11	4.52	0.71	6.11	4.52	0.78	6.11	4.52	0.85	6.11	4.52	0.98	6.11	4.52	1.10	6.11	4.52	1.22	6.01	4.46	1.34	5.73	4.32	1.44
54.3	16		6.42	4.30	0.55	6.42	4.30	0.61	6.42	4.30	0.67	6.42	4.30	0.74	6.42	4.30	0.80	6.42	4.30	0.86	6.42	4.30	0.99	6.42	4.30	1.11	6.42	4.30	1.22	6.14	4.16	1.34	5.86	4.02	1.44
21.2	12		4.01	4.01	0.47	4.01	4.01	0.51	4.01	4.01	0.57	4.01	4.01	0.63	4.01	4.01	0.70	4.01	4.01	0.78	4.01	4.01	0.96	4.01	4.01	1.08	4.01	4.01	1.21	4.01	4.01	1.33	4.01	4.01	1.45
32.1	14		5.38	5.05	0.51	5.38	5.05	0.57	5.38	5.05	0.63	5.38	5.05	0.69	5.38	5.05	0.76	5.38	5.05	0.83	5.38	5.05	0.98	5.38	5.05	1.10	5.38	5.05	1.22	5.38	5.05	1.33	5.38	5.05	1.45
43.8	16	24	6.42	4.83	0.55	6.42	4.83	0.61	6.42	4.83	0.67	6.42	4.83	0.73	6.42	4.83	0.80	6.42	4.83	0.86	6.42	4.83	0.99	6.42	4.83	1.11	6.42	4.83	1.22	6.14	4.69	1.34	5.86	4.56	1.44
50	17		6.56	4.52	0.57	6.56	4.52	0.63	6.56	4.52	0.69	6.56	4.52	0.75	6.56	4.52	0.82	6.56	4.52	0.87	6.56	4.52	0.99	6.56	4.52	1.11	6.56	4.52	1.23	6.28	4.39	1.34	6.00	4.25	1.44
21.5	14		5.36	5.36	0.51	5.36	5.36	0.57	5.36	5.36	0.63	5.36	5.36	0.69	5.36	5.36	0.76	5.36	5.36	0.83	5.36	5.36	0.98	5.36	5.36	1.10	5.36	5.36	1.22	5.36	5.36	1.33	5.36	5.36	1.44
26.3	15	27	6.08	5.84	0.53	6.08	5.84	0.59	6.08	5.84	0.65	6.08	5.84	0.71	6.08	5.84	0.78	6.08	5.84	0.85	6.08	5.84	0.98	6.08	5.84	1.10	6.08	5.84	1.22	6.01	5.80	1.34	5.73	5.66	1.44
31.3	16		6.42	5.64	0.55	6.42	5.64	0.61	6.42	5.64	0.67	6.42	5.64	0.73	6.42	5.64	0.80	6.42	5.64	0.86	6.42	5.64	0.99	6.42	5.64	1.11	6.42	5.64	1.22	6.14	5.50	1.34	5.86	5.36	1.44

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

3D120437A

FFA50A9 / RZAG35A

Cooling

Indoor			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	-						
41.8	11	18	2.82	2.82	0.21	2.82	2.82	0.24	2.82	2.82	0.26	2.82	2.82	0.29	2.82	2.82	0.31	2.82	2.82	0.34	2.82	2.82	0.41	2.82	2.82	0.48	2.82	2.82	0.55	2.82	2.82	0.63	2.82	2.82	0.71	2.82	2.82	0.80	2.69	2.69	0.87									
57	13		3.51	2.67	0.28	3.51	2.67	0.31	3.51	2.67	0.34	3.51	2.67	0.37	3.51	2.67	0.40	3.51	2.67	0.44	3.51	2.67	0.51	3.51	2.67	0.57	3.51	2.67	0.63	3.34	2.59	0.69	3.18	2.51	0.75	3.02	2.43	0.81	2.85	2.35	0.87									
31.4	11		2.81	2.81	0.21	2.81	2.81	0.24	2.81	2.81	0.26	2.81	2.81	0.28	2.81	2.81	0.31	2.81	2.81	0.34	2.81	2.81	0.41	2.81	2.81	0.47	2.81	2.81	0.55	2.81	2.81	0.63	2.81	2.81	0.71	2.81	2.81	0.80	2.69	2.69	0.87									
44.9	13	20	3.51	3.11	0.28	3.51	3.11	0.31	3.51	3.11	0.34	3.51	3.11	0.37	3.51	3.11	0.40	3.51	3.11	0.44	3.51	3.11	0.51	3.51	3.11	0.57	3.51	3.11	0.63	3.34	3.03	0.69	3.18	2.95	0.75	3.02	2.87	0.81	2.85	2.79	0.87									
52	14		3.59	2.87	0.35	3.59	2.87	0.38	3.59	2.87	0.42	3.59	2.87	0.45	3.59	2.87	0.48	3.59	2.87	0.51	3.59	2.87	0.57	3.59	2.87	0.63	3.42	2.79	0.69	3.26	2.71	0.75	3.10	2.64	0.81	2.93	2.56	0.87												
22.9	11		2.81	2.81	0.21	2.81	2.81	0.23	2.81	2.81	0.26	2.81	2.81	0.28	2.81	2.81	0.31	2.81	2.81	0.34	2.81	2.81	0.40	2.81	2.81	0.47	2.81	2.81	0.55	2.81	2.81	0.63	2.81	2.81	0.71	2.81	2.81	0.80	2.69	2.69	0.87									
34.8	13	22	3.51	3.51	0.28	3.51	3.51	0.31	3.51	3.51	0.34	3.51	3.51	0.37	3.51	3.51	0.40	3.51	3.51	0.44	3.51	3.51	0.51	3.51	3.51	0.57	3.51	3.51	0.63	3.34	3.34	0.69	3.18	3.18	0.75	3.02	3.02	0.81	2.85	2.85	0.87									
47.6	15		3.67	3.07	0.45	3.67	3.07	0.45	3.67	3.07	0.45	3.67	3.07	0.45	3.67	3.07	0.45	3.67	3.07	0.45	3.67	3.07	0.51	3.67	3.07	0.57	3.67	3.07	0.63	3.50	2.99	0.69	3.34	2.92	0.75	3.18	2.84	0.82	3.01	2.77	0.88									
54.3	16		3.75	2.82	0.51	3.75	2.82	0.51	3.75	2.82	0.51	3.75	2.82	0.51	3.75	2.82	0.51	3.75	2.82	0.51	3.75	2.82	0.57	3.75	2.82	0.63	3.58	2.75	0.70	3.42	2.67	0.76	3.26	2.60	0.82	3.10	2.53	0.88												
21.2	12	24	3.33	3.33	0.25	3.33	3.33	0.27	3.33	3.33	0.30	3.33	3.33	0.33	3.33	3.33	0.36	3.33	3.33	0.39	3.33	3.33	0.46	3.33	3.33	0.54	3.33	3.33	0.61	3.26	3.26	0.69	3.10	3.10	0.75	3.04	2.94	0.81	2.77	2.77	0.87									
32.1	14		3.59	3.59	0.35	3.59	3.59	0.38	3.59	3.59	0.42	3.59	3.59	0.45	3.59	3.59	0.48	3.59	3.59	0.51	3.59	3.59	0.57	3.59	3.59	0.63	3.42	3.42	0.69	3.26	3.26	0.75	3.10	3.10	0.81	2.93	2.93	0.87												
43.8	16		3.75	3.26	0.51	3.75	3.26	0.51	3.75	3.26	0.51	3.75	3.26	0.51	3.75	3.26	0.51	3.75	3.26	0.51	3.75	3.26	0.57	3.75	3.26	0.63	3.58	3.19	0.70	3.42	3.12	0.76	3.26	3.05	0.82	3.10	2.98	0.87												
50	17	27	3.83	3.01	0.52	3.83	3.01	0.52	3.83	3.01	0.52	3.83	3.01	0.52	3.83	3.01	0.52	3.83	3.01	0.52	3.83	3.01	0.52	3.83	3.01	0.58	3.83	3.01	0.64	3.66	2.94	0.70	3.50	2.87	0.76	3.34	2.81	0.82	3.18	2.74	0.88									
21.5	14		3.59	3.59	0.35	3.59	3.59	0.38	3.59	3.59	0.42	3.59	3.59	0.45	3.59	3.59	0.48	3.59	3.59	0.51	3.59	3.59	0.57	3.59	3.59	0.63	3.42	3.42	0.69	3.26	3.26	0.75	3.10	3.10	0.81	2.93	2.93	0.87												
26.3	15		3.67	3.67	0.45	3.67	3.67	0.45	3.67	3.67	0.45	3.67	3.67	0.45	3.67	3.67	0.45	3.67	3.67	0.45	3.67	3.67	0.51	3.67	3.67	0.57	3.67	3.67	0.63	3.50	3.50	0.69	3.34	3.34	0.75	3.18	3.18	0.82	3.01	3.01	0.87									
31.3	16		3.75	3.75	0.51	3.75	3.75	0.51	3.75	3.75	0.51	3.75	3.75	0.51	3.75	3.75	0.51	3.75	3.75	0.51	3.75	3.75	0.57	3.75	3.75	0.63	3.58	3.58	0.70	3.42	3.42	0.76	3.26	3.26	0.82	3.10	3.10	0.87												
36.1	17		3.83	3.83	0.52	3.83	3.83	0.52	3.83	3.83	0.52	3.83	3.83	0.52	3.83	3.83	0.52	3.83	3.83	0.52	3.83	3.83	0.58	3.83	3.83	0.64	3.66	3.66	0.70	3.50	3.50	0.76	3.34	3.34	0.82	3.18	3.18	0.87												

5

Cooling

Indoor			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	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
41.8	11	18	3.37	3.37	0.33	3.37	3.37	0.36	3.37	3.37	0.40	3.37	3.37	0.44	3.37	3.37	0.53	3.37	3.37	0.64	3.37	3.37	0.75	3.37	3.37	0.87	3.37	3.37	1.00	3.37	3.37	1.16	3.37	3.37	1.26	3.37	3.37	1.41	3.37	3.37	1.56	3.37	3.37	1.71	3.37	3.37	1.86	3.37	3.37	2.01	3.37	3.37	2.16	3.37	3.37	2.31	3.37	3.37	2.46	3.37	3.37	2.61	3.37	3.37	2.76	3.37	3.37	2.91	3.37	3.37	3.06	3.37	3.37	3.21	3.37	3.37	3.36	3.36	0.36	3.36	3.36	0.46	3.36	3.36	0.54	3.36	3.36	0.64	3.36	3.36	0.76	3.36	3.36	0.87	3.36	3.36	0.99	3.36	3.36	1.12	3.36	3.36	1.26	3.36	3.36	1.40	3.36	3.36	1.54	3.36	3.36	1.69	3.36	3.36	1.83	3.36	3.36	1.98	3.36	3.36	2.12	3.36	3.36	2.27	3.36	3.36	2.41	3.36	3.36	2.56	3.36	3.36	2.70	3.36	3.36	2.85	3.36	3.36	2.99	3.36	3.36	3.13	3.36	3.36	3.28	3.36	3.36	3.42	3.36	3.36	3.57	3.36	3.36	3.71	3.36	3.36	3.86	3.36	3.36	4.00	3.36	3.36	4.15	3.36	3.36	4.29	3.36	3.36	4.44	3.36	3.36	4.58	3.36	3.36	4.73	3.36	3.36	4.87	3.36	3.36	5.02	3.36	3.36	5.16	3.36	3.36	5.31	3.36	3.36	5.45	3.36	3.36	5.60	3.36	3.36	5.74	3.36	3.36	5.89	3.36	3.36	6.03	3.36	3.36	6.18	3.36	3.36	6.32	3.36	3.36	6.47	3.36	3.36	6.61	3.36	3.36	6.76	3.36	3.36	6.90	3.36	3.36	7.05	3.36	3.36	7.19	3.36	3.36	7.34	3.36	3.36	7.48	3.36	3.36	7.62	3.36	3.36	7.77	3.36	3.36	7.91	3.36	3.36	8.06	3.36	3.36	8.20	3.36	3.36	8.35	3.36	3.36	8.49	3.36	3.36	8.63	3.36	3.36	8.78	3.36	3.36	8.92	3.36	3.36	9.07	3.36	3.36	9.21	3.36	3.36	9.35	3.36	3.36	9.50	3.36	3.36	9.64	3.36	3.36	9.79	3.36	3.36	9.93	3.36	3.36	10.07	3.36	3.36	10.22	3.36	3.36	10.36	3.36	3.36	10.50	3.36	3.36	10.65	3.36	3.36	10.79	3.36	3.36	10.93	3.36	3.36	11.08	3.36	3.36	11.22	3.36	3.36	11.36	3.36	3.36	11.51	3.36	3.36	11.65	3.36	3.36	11.79	3.36	3.36	11.94	3.36	3.36	12.08	3.36	3.36	12.22	3.36	3.36	12.37	3.36	3.36	12.51	3.36	3.36	12.65	3.36	3.36	12.80	3.36	3.36	12.94	3.36	3.36	13.08	3.36	3.36	13.22	3.36	3.36	13.37	3.36	3.36	13.51	3.36	3.36	13.66	3.36	3.36	13.80	3.36	3.36	13.94	3.36	3.36	14.09	3.36	3.36	14.23	3.36	3.36	14.37	3.36	3.36	14.52	3.36	3.36	14.66	3.36	3.36	14.80	3.36	3.36	14.95	3.36	3.36	15.09	3.36	3.36	15.23	3.36	3.36	15.38	3.36	3.36	15.52	3.36	3.36	15.66	3.36	3.36	15.81	3.36	3.36	15.95	3.36	3.36	16.09	3.36	3.36	16.24	3.36	3.36	16.38	3.36	3.36	16.52	3.36	3.36	16.67	3.36	3.36	16.81	3.36	3.36	16.95	3.36	3.36	17.10	3.36	3.36	17.24	3.36	3.36	17.38	3.36	3.36	17.52	3.36	3.36	17.67	3.36	3.36	17.81	3.36	3.36	17.95	3.36	3.36	18.10	3.36	3.36	18.24	3.36	3.36	18.38	3.36	3.36	18.52	3.36	3.36	18.67	3.36	3.36	18.81	3.36	3.36	18.95	3.36	3.36	19.10	3.36	3.36	19.24	3.36	3.36	19.38	3.36	3.36	19.52	3.36	3.36	19.67	3.36	3.36	19.81	3.36	3.36	19.95	3.36	3.36	20.10	3.36	3.36	20.24	3.36	3.36	20.38	3.36	3.36	20.52	3.36	3.36	20.67	3.36	3.36	20.81	3.36	3.36	20.95	3.36	3.36	21.10	3.36	3.36	21.24	3.36	3.36	21.38	3.36	3.36	21.52	3.36	3.36	21.67	3.36	3.36	21.81	3.36	3.36	21.95	3.36	3.36	22.10	3.36	3.36	22.24	3.36	3.36	22.38	3.36	3.36	22.52	3.36	3.36	22.67	3.36	3.36	22.81	3.36	3.36	22.95	3.36	3.36	23.10	3.36	3.36	23.24	3.36	3.36	23.38	3.36	3.36	23.52	3.36	3.36	23.67	3.36	3.36	23.81	3.36	3.36	23.95	3.36	3.36	24.10	3.36	3.36	24.24	3.36	3.36	24.38	3.36	3.36	24.52	3.36	3.36	24.67	3.36	3.36	24.81	3.36	3.36	24.95	3.36	3.36	25.10	3.36	3.36	25.24	3.36	3.36	25.38	3.36	3.36	25.52	3.36	3.36	25.67	3.36	3.36	25.81	3.36	3.36	25.95	3.36	3.36	26.10	3.36	3.36	26.24	3.36	3.36	26.38	3.36	3.36	26.52	3.36	3.36	26.67	3.36	3.36	26.81	3.36	3.36	26.95	3.36	3.36	27.10	3.36	3.36	27.24	3.36	3.36	27.38	3.36	3.36	27.52	3.36	3.36	27.67	3.36	3.36	27.81	3.36	3.36	27.95	3.36	3.36	28.10	3.36	3.36	28.24	3.36	3.36	28.38	3.36	3.36	28.52	3.36	3.36	28.67	3.36	3.36	28.81	3.36	3.36	28.95	3.36	3.36	29.10	3.36	3.36	29.24	3.36	3.36	29.38	3.36	3.36	29.52	3.36	3.36	29.67	3.36	3.36	29.81	3.36	3.36	29.95	3.36	3.36	30.10	3.36	3.36	30.24	3.36	3.36	30.38	3.36	3.36	30.52	3.36	3.36	30.67	3.36	3.36	30.81	3.36	3.36	30.95	3.36	3.36	31.10	3.36	3.36	31.24	3.36	3.36	31.38	3.36	3.36	31.52	3.36	3.36	31.67	3.36	3.36	31.81	3.36	3.36	31.95	3.36	3.36	32.10	3.36	3.36	32.24	3.36	3.36	32.38	3.36	3.36	32.52	3.36	3.36	32.67	3.36	3.36	32.81	3.36	3.36	32.95	3.36	3.36	33.10	3.36	3.36	33.24	3.36	3.36	33.38	3.36	3.36	33.52	3.36	3.36	33.67	3.36	3.36	33.81	3.36	3.36	33.95	3.36	3.36	34.10	3.36	3.36	34.24	3.36	3.36	34.38	3.36	3.36	34.52	3.36	3.36	34.67	3.36	3.36	34.81	3.36	3.36	34.95	3.36	3.36	35.10	3.36	3.36	35.24	3.36	3.36	35.38	3.36	3.36	35.52	3.36	3.36	35.67	3.36	3.36	35.81	3.36	3.36	35.95	3.36	3.36	36.10	3.36	3.36	36.24	3.36	3.36	36.38	3.36	3.36	36.52	3.36	3.36	36.67	3.36	3.36	36.81	3.36	3.36	36.95	3.36	3.36	37.10	3.36	3.36	37.24	3.36	3.36	37.38	3.36	3.36	37.52	3.36	3.36	37.67	3.36	3.36	37.81	3.36	3.36	37.95	3.36	3.36	38.10	3.36	3.36	38.24	3.36	3.36	38.38	3.36	3.36	38.52	3.36	3.36	38.67	3.36	3.36	38.81	3.36	3.36	38.95	3.36	3.36	39.10	3.36	3.36	39.24	3.36	3.36	39.38	3.36	3.36	39.52	3.36	3.36	39.67	3.36	3.36	39.81	3.36	3.36	39.95	3.36	3.36	40.10	3.36	3.36	40.24	3.36	3.36	40.38	3.36	3.36	40.52	3.36	3.36	40.67	3.36	3.36	40.81	3.36	3.36	40.95	3.36	3.36	41.10	3.36	3.36	41.24	3.36	3.36	41.38	3.36	3.36	41.52	3.36	3.36	41.67	3.36	3.36	41.81	3.36	3.36	41.95	3.36	3.36	42.10	3.36	3.36	42.24	3.36	3.36	42.38	3.36	3.36	42.52	3.36	3.36	42.67	3.36	3.36	42.81	3.36	3.36	42.95	3.36	3.36	43.10	3.36	3.36	43.24	3.36	3.36	43.38	3.36	3.36	43.52	3.36	3.36	43.67	3.36	3.36	43.81	3.36	3.36	43.95	3.36	3.36	44.10	3.36	3.36	44.24	3.36	3.36	44.38	3.36	3.36	44.52	3.36	3.36	44.67	3.36	3.36	44.81	3.36	3.36	44.95	3.36	3.36	45.10	3.36	3.36	45.24	3.36	3.36	45.38	3.36	3.36	45.52	3.36	3.36	45.67	3.36	3.36	45.81	3.36	3.36	45.95	3.36	3.36	46.10	3.36	3.36	46.24	3.36	3.36	46.38	3.36	3.36	46.52	3.36	3.36	46.67	3.36	3.36	46.81	3.36	3.36	46.95	3.36	3.36	47.10	3.36	3.36	47.24	3.36	3.36	47.38	3.36	3.36	47.52	3.36	3.36	47.67	3.36	3.36	47.81	3.36	3.36	47.95	3.36	3.36	48.10	3.36	3.36	48.24	3.36	3.36	48.38	3.36	3.36	48.52	3.36	3.36	48.67	3.36	3.36	48.81	3.36	3.36	48.95	3.36	3.36	49.10	3.36	3.36	49.24	3.36	3.36	49.38	3.36	3.36	49.52	3.36	3.36	49.67	3.36	3.36	49.81	3.36	3.36	49.95	3.36	3.36	50.10	3.36	3.36	50.24	3.36	3.36	50.38	3.36	3.36	50.52	3.36	3.36	50.67	3.36	3.36	50.81	3.36	3.36	50.95	3.36	3.36	51.10	3.36	3.36	51.24	3.36	3.36	51.38	3.36	3.36	51.52	3.36	3.36	51.67	3.36	3.36	51.81	3.36	3.36	51.95	3.36	3.36	52.10	3.36	3.36	52.24	3.36	3.36	52.38	3.36	3.36	52.52	3.36	3.36	52.67	3.36	3.36	52.81	3.36	3.36	52.95	3.36	3.36	53.10	3.36	3.36	53.24	3.36	3.36	53.38	3.36	3.36	53.52	3.36	3.36	53.67	3.36	3.36	53.81	3.36	3.36	53.95	3.36	3.36	54.10	3.36	3.36	54.24	3.36	3.36	54.38	3.36	3.36	54.52	3.36	3.36	54.67	3.36	3.36	54.81	3.36	3.36	54.95	3.36	3.36	55.10	3.36	3.36	55.24	3.36	3.36	55.38	3.36	3.36	55.52	3.36	3.36	55.67	3.36	3.36	55.81	3.36	3.36	55.95	3.36	3.36	56.10	3.36	3.36	56.24	3.36	3.36

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

3D120431

Cooling

Indoor			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	-						
41.8	11	18	3.34	3.34	0.29	3.34	3.34	0.31	3.34	3.34	0.35	3.34	3.34	0.38	3.34	3.34	0.42	3.34	3.34	0.45	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	2.85	2.85	0.95						
57	13		3.51	2.95	0.47	3.51	2.95	0.47	3.51	2.95	0.47	3.51	2.95	0.47	3.51	2.95	0.47	3.51	2.95	0.47	3.51	2.95	0.66	3.34	3.34	0.73	3.18	2.79	0.79	3.02	2.72	0.85	2.85	2.65	0.91	2.85	2.65	0.95												
34.1	11		3.34	3.34	0.28	3.34	3.34	0.31	3.34	3.34	0.35	3.34	3.34	0.38	3.34	3.34	0.41	3.34	3.34	0.45	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	2.85	2.85	0.95						
44.9	13	20	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.66	3.34	3.34	0.73	3.18	3.18	0.79	3.02	3.02	0.85	2.85	2.85	0.91	2.85	2.85	0.95												
52	14		3.59	3.21	0.54	3.59	3.21	0.54	3.59	3.21	0.54	3.59	3.21	0.54	3.59	3.21	0.54	3.59	3.21	0.54	3.59	3.21	0.66	3.34	3.34	0.73	3.18	3.18	0.79	3.02	3.02	0.85	2.85	2.85	0.91	2.85	2.85	0.95												
22.9	11		3.34	3.34	0.28	3.34	3.34	0.31	3.34	3.34	0.35	3.34	3.34	0.38	3.34	3.34	0.41	3.34	3.34	0.45	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	2.85	2.85	0.95						
34.8	13	22	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.66	3.34	3.34	0.73	3.18	3.18	0.79	3.02	3.02	0.85	2.85	2.85	0.91	2.85	2.85	0.95												
47.6	15		3.67	3.47	0.54	3.67	3.47	0.54	3.67	3.47	0.54	3.67	3.47	0.54	3.67	3.47	0.54	3.67	3.47	0.54	3.67	3.47	0.67	3.50	3.40	0.73	3.34	3.33	0.79	3.18	3.18	0.86	3.01	3.01	0.91	3.01	3.01	0.95												
54.3	16		3.75	3.16	0.54	3.75	3.16	0.54	3.75	3.16	0.54	3.75	3.16	0.54	3.75	3.16	0.54	3.75	3.16	0.54	3.75	3.16	0.67	3.50	3.40	0.73	3.34	3.33	0.80	3.26	3.26	0.86	3.10	3.10	0.91	3.10	3.10	0.95												
21.2	12	24	3.42	3.42	0.37	3.42	3.42	0.40	3.42	3.42	0.43	3.42	3.42	0.47	3.42	3.42	0.47	3.42	3.42	0.47	3.42	3.42	0.53	3.42	3.42	0.60	3.42	3.42	0.66	3.26	3.26	0.72	3.10	3.10	0.79	2.94	2.94	0.85	2.77	2.77	0.91	2.94	2.94	0.95						
32.1	14		3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.66	3.34	3.34	0.73	3.18	3.18	0.79	3.02	3.02	0.86	3.10	3.10	0.86	3.23	3.23	0.91	3.23	3.23	0.95									
43.8	16		3.75	3.73	0.54	3.75	3.73	0.54	3.75	3.73	0.54	3.75	3.73	0.54	3.75	3.73	0.54	3.75	3.73	0.54	3.75	3.73	0.67	3.58	3.58	0.73	3.42	3.42	0.80	3.26	3.26	0.86	3.10	3.10	0.91	3.10	3.10	0.95												
50	17	26	3.83	3.42	0.54	3.83	3.42	0.54	3.83	3.42	0.54	3.83	3.42	0.54	3.83	3.42	0.54	3.83	3.42	0.54	3.83	3.42	0.67	3.66	3.63	0.81	3.42	3.42	0.86	3.30	3.28	0.80	3.34	3.32	0.86	3.18	3.15	0.91	3.18	3.15	0.95									
21.5	14		3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.66	3.34	3.34	0.73	3.18	3.18	0.79	3.02	3.02	0.86	3.23	3.23	0.91	3.23	3.23	0.95												
26.3	15		3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.67	3.50	3.50	0.73	3.34	3.34	0.80	3.18	3.18	0.86	3.01	3.01	0.91	3.01	3.01	0.95												
31.3	16	27	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.67	3.58	3.58	0.73	3.42	3.42	0.86	3.26	3.26	0.91	3.10	3.10	0.91	3.10	3.10	0.95												

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

3D120428

5 Capacity tables

5 - 1 Cooling Capacity Tables

FBA60A9 / RZAG50A

Cooling

[illegible]

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

3D120433

FBA71A9 / RZAG60A

Cooling

Indoor			Outdoor temperature [°C DB]																																															
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40											
RH	EWB	EDB	TC	SWC	PI	TC	SWC	PI	TC	SWC	PI	TC	SWC	PI	TC	SWC	PI	TC	SWC	PI	TC	SWC	PI	TC	SWC	PI	TC	SWC	PI	TC	SWC	PI	TC	SWC	PI	TC	SWC	PI	TC	SWC	PI	TC	SWC	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	-						
41.8	11	18	4.05	4.05	0.39	4.05	4.05	0.42	4.05	4.05	0.47	4.05	4.05	0.52	4.05	4.05	0.57	4.05	4.05	0.62	4.05	4.05	0.77	4.05	4.05	0.92	4.05	4.05	1.06	4.05	4.05	1.16	4.05	4.05	1.27	4.05	4.05	1.37	4.05	4.05	1.47	4.05	4.05	1.47						
57	13		5.61	4.12	0.45	5.61	4.12	0.49	5.61	4.12	0.54	5.61	4.12	0.60	5.61	4.12	0.65	5.61	4.12	0.71	5.61	4.12	0.83	5.61	4.12	0.95	5.61	4.12	1.07	5.61	4.12	1.17	5.45	4.03	1.27	5.17	3.89	1.37	4.89	3.76	1.48	4.03	1.47							
34.4	11		4.03	4.03	0.39	4.03	4.03	0.42	4.03	4.03	0.47	4.03	4.03	0.52	4.03	4.03	0.57	4.03	4.03	0.62	4.03	4.03	0.77	4.03	4.03	0.92	4.03	4.03	1.06	4.03	4.03	1.16	4.03	4.03	1.27	4.03	4.03	1.37	4.03	4.03	1.47	4.03	4.03	1.47						
41.9	13	20	5.60	4.75	0.44	5.60	4.75	0.49	5.60	4.75	0.54	5.60	4.75	0.59	5.60	4.75	0.65	5.60	4.75	0.71	5.60	4.75	0.83	5.60	4.75	0.95	5.60	4.75	1.07	5.60	4.75	1.17	5.45	4.67	1.27	5.17	4.53	1.37	4.89	4.30	1.48	4.03	1.47							
52	14		6.15	4.60	0.47	6.15	4.60	0.52	6.15	4.60	0.57	6.15	4.60	0.63	6.15	4.60	0.68	6.15	4.60	0.74	6.15	4.60	0.86	6.15	4.60	0.97	6.15	4.60	1.07	5.87	4.47	1.17	5.59	4.33	1.27	5.31	4.19	1.38	5.03	4.06	1.48	4.03	1.47							
22.9	11		4.02	4.02	0.38	4.02	4.02	0.42	4.02	4.02	0.47	4.02	4.02	0.52	4.02	4.02	0.57	4.02	4.02	0.64	4.02	4.02	0.77	4.02	4.02	0.92	4.02	4.02	1.06	4.02	4.02	1.16	4.02	4.02	1.27	4.02	4.02	1.37	4.02	4.02	1.47	4.02	4.02	1.47						
34.9	13	22	5.59	5.38	0.44	5.59	5.38	0.49	5.59	5.38	0.54	5.59	5.38	0.59	5.59	5.38	0.65	5.59	5.38	0.71	5.59	5.38	0.83	5.59	5.38	0.95	5.59	5.38	1.07	5.59	5.38	1.17	5.45	5.31	1.27	5.17	5.17	1.37	4.89	4.89	1.48	4.03	1.47							
47.6	15		6.29	4.89	0.49	6.29	4.89	0.54	6.29	4.89	0.60	6.29	4.89	0.65	6.29	4.89	0.69	6.29	4.89	0.76	6.29	4.89	0.87	6.29	4.89	0.97	6.29	4.89	1.07	6.01	4.75	1.18	5.73	4.62	1.28	5.45	4.38	1.38	5.17	4.36	1.48	4.03	1.47							
54.3	16		6.42	4.52	0.66	6.42	4.52	0.71	6.42	4.52	0.77	6.42	4.52	0.82	6.42	4.52	0.87	6.42	4.52	0.92	6.42	4.52	0.87	6.42	4.52	0.97	6.42	4.52	1.07	6.14	4.39	1.18	5.86	4.22	1.28	5.59	4.14	1.38	5.31	4.01	1.49	4.03	1.47							
21.2	12	24	4.78	4.78	0.42	4.78	4.78	0.46	4.78	4.78	0.50	4.78	4.78	0.56	4.78	4.78	0.61	4.78	4.78	0.68	4.78	4.78	0.81	4.78	4.78	0.94	4.78	4.78	1.08	4.78	4.78	1.17	4.78	4.78	1.27	4.78	4.78	1.37	4.78	4.78	1.47	4.78	4.78	1.47						
32.1	14		5.15	5.88	0.47	6.15	5.88	0.52	6.15	5.88	0.57	6.15	5.88	0.63	6.15	5.88	0.68	6.15	5.88	0.74	6.15	5.88	0.86	6.15	5.88	0.97	6.15	5.88	1.07	5.87	5.74	1.17	5.59	5.59	1.27	5.31	4.31	1.38	5.03	4.03	1.48	4.03	1.47							
43.8	16		6.42	5.16	0.66	6.42	5.16	0.71	6.42	5.16	0.77	6.42	5.16	0.77	6.42	5.16	0.77	6.42	5.16	0.77	6.42	5.16	0.87	6.42	5.16	0.87	6.42	5.16	0.97	6.42	5.16	1.07	6.14	5.03	1.18	5.86	4.90	1.28	5.59	4.78	1.38	5.31	4.65	1.49						
50	17	27	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	1.08	6.28	4.67	1.18	6.00	4.55	1.28	5.72	4.42	1.39	5.44	4.30	1.49	4.03	1.47							
21.5	14		6.15	6.15	0.47	6.15	6.15	0.52	6.15	6.15	0.57	6.15	6.15	0.62	6.15	6.15	0.68	6.15	6.15	0.74	6.15	6.15	0.87	6.15	6.15	0.97	6.15	6.15	1.07	5.87	5.87	1.17	5.59	5.59	1.27	5.31	5.31	1.38	5.03	5.03	1.48	4.03	1.47							
26.3	15		6.29	6.29	0.49	6.29	6.29	0.54	6.29	6.29	0.60	6.29	6.29	0.65	6.29	6.29	0.71	6.29	6.29	0.76	6.29	6.29	0.87	6.29	6.29	0.97	6.29	6.29	1.07	6.01	6.01	1.17	5.73	5.73	1.28	5.45	5.45	1.38	5.17	5.17	1.48	4.03	1.47							
31.3	16		6.42	6.12	0.66	6.42	6.12	0.71	6.42	6.12	0.77	6.42	6.12	0.82	6.42	6.12	0.87	6.42	6.12	0.92	6.42	6.12	0.87	6.42	6.12	0.97	6.42	6.12	1.07	6.14	5.99	1.18	5.86	5.86	1.28	5.59	5.59	1.38	5.31	5.31	1.49	4.03	1.47							

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

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	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	kW	kW	kW	kW	kW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
18	18	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	0.49	2.91	2.91	0.57	2.91	2.91	0.64	2.91	2.91	0.72	2.85	2.85	0.80	2.69	2.69	0.86	2.69	2.69	0.93	2.69	2.69	1.00	2.69	2.69	1.07	2.69	2.69	1.14	2.69	2.69	1.21	2.69	2.69	1.28	2.69	2.69	1.35	2.69	2.69	1.42	2.69	2.69	1.49	2.69	2.69	1.56	2.69	2.69	1.63	2.69	2.69	1.70	2.69	2.69	1.77	2.69	2.69	1.84	2.69	2.69	1.91	2.69	2.69	1.98	2.69	2.69	2.05	2.69	2.69	2.12	2.69	2.69	2.19	2.69	2.69	2.26	2.69	2.69	2.33	2.69	2.69	2.40	2.69	2.69	2.47	2.69	2.69	2.54	2.69	2.69	2.61	2.69	2.69	2.68	2.69	2.69	2.75	2.69	2.69	2.82	2.69	2.69	2.89	2.69	2.69	2.96	2.69	2.69	3.03	2.69	2.69	3.10	2.69	2.69	3.17	2.69	2.69	3.24	2.69	2.69	3.31	2.69	2.69	3.38	2.69	2.69	3.45	2.69	2.69	3.52	2.69	2.69	3.59	2.69	2.69	3.66	2.69	2.69	3.73	2.69	2.69	3.80	2.69	2.69	3.87	2.69	2.69	3.94	2.69	2.69	4.01	2.69	2.69	4.08	2.69	2.69	4.15	2.69	2.69	4.22	2.69	2.69	4.29	2.69	2.69	4.36	2.69	2.69	4.43	2.69	2.69	4.50	2.69	2.69	4.57	2.69	2.69	4.64	2.69	2.69	4.71	2.69	2.69	4.78	2.69	2.69	4.85	2.69	2.69	4.92	2.69	2.69	4.99	2.69	2.69	5.06	2.69	2.69	5.13	2.69	2.69	5.20	2.69	2.69	5.27	2.69	2.69	5.34	2.69	2.69	5.41	2.69	2.69	5.48	2.69	2.69	5.55	2.69	2.69	5.62	2.69	2.69	5.69	2.69	2.69	5.76	2.69	2.69	5.83	2.69	2.69	5.90	2.69	2.69	5.97	2.69	2.69	6.04	2.69	2.69	6.11	2.69	2.69	6.18	2.69	2.69	6.25	2.69	2.69	6.32	2.69	2.69	6.39	2.69	2.69	6.46	2.69	2.69	6.53	2.69	2.69	6.60	2.69	2.69	6.67	2.69	2.69	6.74	2.69	2.69	6.81	2.69	2.69	6.88	2.69	2.69	6.95	2.69	2.69	7.02	2.69	2.69	7.09	2.69	2.69	7.16	2.69	2.69	7.23	2.69	2.69	7.30	2.69	2.69	7.37	2.69	2.69	7.44	2.69	2.69	7.51	2.69	2.69	7.58	2.69	2.69	7.65	2.69	2.69	7.72	2.69	2.69	7.79	2.69	2.69	7.86	2.69	2.69	7.93	2.69	2.69	8.00	2.69	2.69	8.07	2.69	2.69	8.14	2.69	2.69	8.21	2.69	2.69	8.28	2.69	2.69	8.35	2.69	2.69	8.42	2.69	2.69	8.49	2.69	2.69	8.56	2.69	2.69	8.63	2.69	2.69	8.70	2.69	2.69	8.77	2.69	2.69	8.84	2.69	2.69	8.91	2.69	2.69	8.98	2.69	2.69	9.05	2.69	2.69	9.12	2.69	2.69	9.19	2.69	2.69	9.26	2.69	2.69	9.33	2.69	2.69	9.40	2.69	2.69	9.47	2.69	2.69	9.54	2.69	2.69	9.61	2.69	2.69	9.68	2.69	2.69	9.75	2.69	2.69	9.82	2.69	2.69	9.89	2.69	2.69	9.96	2.69	2.69	10.03	2.69	2.69	10.10	2.69	2.69	10.17	2.69	2.69	10.24	2.69	2.69	10.31	2.69	2.69	10.38	2.69	2.69	10.45	2.69	2.69	10.52	2.69	2.69	10.59	2.69	2.69	10.66	2.69	2.69	10.73	2.69	2.69	10.80	2.69	2.69	10.87	2.69	2.69	10.94	2.69	2.69	11.01	2.69	2.69	11.08	2.69	2.69	11.15	2.69	2.69	11.22	2.69	2.69	11.29	2.69	2.69	11.36	2.69	2.69	11.43	2.69	2.69	11.50	2.69	2.69	11.57	2.69	2.69	11.64	2.69	2.69	11.71	2.69	2.69	11.78	2.69	2.69	11.85	2.69	2.69	11.92	2.69	2.69	11.99	2.69	2.69	12.06	2.69	2.69	12.13	2.69	2.69	12.20	2.69	2.69	12.27	2.69	2.69	12.34	2.69	2.69	12.41	2.69	2.69	12.48	2.69	2.69	12.55	2.69	2.69	12.62	2.69	2.69	12.69	2.69	2.69	12.76	2.69	2.69	12.83	2.69	2.69	12.90	2.69	2.69	12.97	2.69	2.69	13.04	2.69	2.69	13.11	2.69	2.69	13.18	2.69	2.69	13.25	2.69	2.69	13.32	2.69	2.69	13.39	2.69	2.69	13.46	2.69	2.69	13.53	2.69	2.69	13.60	2.69	2.69	13.67	2.69	2.69	13.74	2.69	2.69	13.81	2.69	2.69	13.88	2.69	2.69	13.95	2.69	2.69	14.02	2.69	2.69	14.09	2.69	2.69	14.16	2.69	2.69	14.23	2.69	2.69	14.30	2.69	2.69	14.37	2.69	2.69	14.44	2.69	2.69	14.51	2.69	2.69	14.58	2.69	2.69	14.65	2.69	2.69	14.72	2.69	2.69	14.79	2.69	2.69	14.86	2.69	2.69	14.93	2.69	2.69	15.00	2.69	2.69	15.07	2.69	2.69	15.14	2.69	2.69	15.21	2.69	2.69	15.28	2.69	2.69	15.35	2.69	2.69	15.42	2.69	2.69	15.49	2.69	2.69	15.56	2.69	2.69	15.63	2.69	2.69	15.70	2.69	2.69	15.77	2.69	2.69	15.84	2.69	2.69	15.91	2.69	2.69	15.98	2.69	2.69	16.05	2.69	2.69	16.12	2.69	2.69	16.19	2.69	2.69	16.26	2.69	2.69	16.33	2.69	2.69	16.40	2.69	2.69	16.47	2.69	2.69	16.54	2.69	2.69	16.61	2.69	2.69	16.68	2.69	2.69	16.75	2.69	2.69	16.82	2.69	2.69	16.89	2.69	2.69	16.96	2.69	2.69	17.03	2.69	2.69	17.10	2.69	2.69	17.17	2.69	2.69	17.24	2.69	2.69	17.31	2.69	2.69	17.38	2.69	2.69	17.45	2.69	2.69	17.52	2.69	2.69	17.59	2.69	2.69	17.66	2.69	2.69	17.73	2.69	2.69	17.80	2.69	2.69	17.87	2.69	2.69	17.94	2.69	2.69	18.01	2.69	2.69	18.08	2.69	2.69	18.15	2.69	2.69	18.22	2.69	2.69	18.29	2.69	2.69	18.36	2.69	2.69	18.43	2.69	2.69	18.50	2.69	2.69	18.57	2.69	2.69	18.64	2.69	2.69	18.71	2.69	2.69	18.78	2.69	2.69	18.85	2.69	2.69	18.92	2.69	2.69	18.99	2.69	2.69	19.06	2.69	2.69	19.13	2.69	2.69	19.20	2.69	2.69	19.27	2.69	2.69	19.34	2.69	2.69	19.41	2.69	2.69	19.48	2.69	2.69	19.55	2.69	2.69	19.62	2.69	2.69	19.69	2.69	2.69	19.76	2.69	2.69	19.83	2.69	2.69	19.90	2.69	2.69	19.97	2.69	2.69	20.04	2.69	2.69	20.11	2.69	2.69	20.18	2.69	2.69	20.25	2.69	2.69	20.32	2.69	2.69	20.39	2.69	2.69	20.46	2.69	2.69	20.53	2.69	2.69	20.60	2.69	2.69	20.67	2.69	2.69	20.74	2.69	2.69	20.81	2.69	2.69	20.88	2.69	2.69	20.95	2.69	2.69	21.02	2.69	2.69	21.09	2.69	2.69	21.16	2.69	2.69	21.23	2.69	2.69	21.30	2.69	2.69	21.37	2.69	2.69	21.44	2.69	2.69	21.51	2.69	2.69	21.58	2.69	2.69	21.65	2.69	2.69	21.72	2.69	2.69	21.79	2.69	2.69	21.86	2.69	2.69	21.93	2.69	2.69	22.00	2.69	2.69	22.07	2.69	2.69	22.14	2.69	2.69	22.21	2.69	2.69	22.28	2.69	2.69	22.35	2.69	2.69	22.42	2.69	2.69	22.49	2.69	2.69	22.56	2.69	2.69	22.63	2.69	2.69	22.70	2.69	2.69	22.77	2.69	2.69	22.84	2.69	2.69	22.91	2.69	2.69	22.98	2.69	2.69	23.05	2.69	2.69	23.12	2.69	2.69	23.19	2.69	2.69	23.26	2.69	2.69	23.33	2.69	2.69	23.40	2.69	2.69	23.47	2.69	2.69	23.54	2.69	2.69	23.61	2.69	2.69	23.68	2.69	2.69	23.75	2.69	2.69	23.82	2.69	2.69	23.89	2.69	2.69	23.96	2.69	2.69	24.03	2.69	2.69	24.10	2.69	2.69	24.17	2.69	2.69	24.24	2.69	2.69	24.31	2.69	2.69	24.38	2.69	2.69	24.45	2.69	2.69	24.52	2.69	2.69	24.59	2.69	2.69	24.66	2.69	2.69	24.73	2.69	2.69	24.80	2.69	2.69	24.87	2.69	2.69	24.94	2.69	2.69	25.01	2.69	2.69	25.08	2.69	2.69	25.15	2.69	2.69	25.22	2.69	2.69	25.29	2.69	2.69	25.36	2.69	2.69	25.43	2.69	2.69	25.50	2.69	2.69	25.57	2.69	2.69	25.64	2.69	2.69	25.71	2.69	2.69	25.78	2.69	2.69	25.85	2.69	2.69	25.92	2.69	2.69	25.99	2.69	2.69	26.06	2.69	2.69	26.13	2.69	2.69	26.20	2.69	2.69	26.27	2.69	2.69	26.34	2.69	2.69	26.41	2.69	2.69	26.48	2.69	2.69	26.55	2.69	2.69	26.62	2.69	2.69	26.69	2.69	2.69	26.76	2.69	2.69	26.83	2.69	2.69	26.90	2.69	2.69	26.97	2.69	2.69	27.04	2.69	2.69	27.11	2.69	2.69	27.18	2.69	2.69	27.25	2.69	2.69	27.32	2.69	2.69	27.39	2.69	2.69	27.46	2.69	2.69	27.53	2.69	2.69	27.60	2.69	2.69	27.67	2.69	2.69	27.74	2.69	2.69	27.81	2.69	2.69	27.88	2.69	2.69	27.95	2.69	2.69	28.02	2.69	2.69	28.09	2.69	2.69	28.16	2.69	2.69	28.23	2.69	2.69	28.30	2.69	2.69	28.37	2.69	2.69	28.44	2.69	2.69	28.51	2.69	2.69	28.58	2.69	2.69	28.65	2.69	2.69	28.72	2.69	2.69	28.79	2.69	2.69	28.86	2.69	2.69	28.93	2.69	2.69	29.00	2.69	2.69	29.07	2.69	2.69	29.14	2.6

Symbols

EWB: Entering wet-bulb temperature ($^{\circ}\text{C WB}$)

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

3D122105A

FTXM60N / RZAG50A

FTXM60R / RZAG50A

Cooling

[illegible]

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

3D122107A

5 Capacity tables

5 - 1 Cooling Capacity Tables

FTXM71N / RZAG60A

FTXM71R / RZAG60A

Cooling

[illegible]

Symbols

EWB: Entering wet-bulb temperature ($^{\circ}\text{C}$ WB)

EDB: Entering dry-bulb temperature ($^{\circ}\text{C DB}$)

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: -0.0 m

3D122109A

FHA50A98 / RZAG35A

Performance characteristics for ·EDP· room

FHA50AVEB99+RZAG35A2V1B

FHA50AVEB98+RZAG35A2V1B

Indoor			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			
%	°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	-
41,8	11	18	3,34	3,34	0,22	3,34	3,34	0,24	3,34	3,34	0,27	3,34	3,34	0,29	3,34	3,34	0,32	3,34	3,34	0,35	3,34	3,34	0,41	3,34	3,34	0,47	3,34	3,34	0,53	3,18	3,18	0,58	3,02	3,02	0,63	2,85	2,85	0,68	2,69	2,69	0,73
57	13		3,51	2,88	0,35	3,51	2,88	0,38	3,51	2,88	0,38	3,51	2,88	0,38	3,51	2,88	0,38	3,51	2,88	0,43	3,51	2,88	0,48	3,51	2,88	0,48	3,51	2,88	0,53	3,18	3,18	0,63	3,02	2,65	0,68	2,85	2,58	0,74			
34	11	20	3,34	3,34	0,22	3,34	3,34	0,24	3,34	3,34	0,27	3,34	3,34	0,29	3,34	3,34	0,32	3,34	3,34	0,35	3,34	3,34	0,41	3,34	3,34	0,47	3,34	3,34	0,53	3,18	3,18	0,58	3,02	3,02	0,63	2,85	2,85	0,68	2,69	2,69	0,73
44,9	13		3,51	3,42	0,35	3,51	3,42	0,38	3,51	3,42	0,38	3,51	3,42	0,38	3,51	3,42	0,38	3,51	3,42	0,43	3,51	3,42	0,48	3,51	3,42	0,48	3,51	3,42	0,53	3,34	3,34	0,58	3,18	3,18	0,63	3,02	3,02	0,68	2,85	2,85	0,74
52	14	22	3,59	3,13	0,43	3,59	3,13	0,43	3,59	3,13	0,43	3,59	3,13	0,43	3,59	3,13	0,43	3,59	3,13	0,43	3,59	3,13	0,43	3,59	3,13	0,43	3,59	3,13	0,53	3,42	3,06	0,58	3,26	2,98	0,63	3,10	2,91	0,69	2,93	2,84	0,74
22	11		3,34	3,34	0,22	3,34	3,34	0,24	3,34	3,34	0,27	3,34	3,34	0,29	3,34	3,34	0,32	3,34	3,34	0,35	3,34	3,34	0,41	3,34	3,34	0,47	3,34	3,34	0,53	3,18	3,18	0,58	3,02	3,02	0,63	2,85	2,85	0,68	2,69	2,69	0,73
34,8	13	22	3,51	3,51	0,35	3,51	3,51	0,38	3,51	3,51	0,38	3,51	3,51	0,38	3,51	3,51	0,38	3,51	3,51	0,43	3,51	3,51	0,48	3,51	3,51	0,48	3,51	3,51	0,53	3,34	3,34	0,58	3,18	3,18	0,63	3,02	3,02	0,68	2,85	2,85	0,74
47,6	15		3,67	3,38	0,43	3,67	3,38	0,43	3,67	3,38	0,43	3,67	3,38	0,43	3,67	3,38	0,43	3,67	3,38	0,48	3,67	3,38	0,53	3,67	3,38	0,53	3,67	3,38	0,58	3,34	3,23	0,64	3,18	3,16	0,69	3,01	3,01	0,74			
54,3	16	24	3,75	3,08	0,43	3,75	3,08	0,43	3,75	3,08	0,43	3,75	3,08	0,43	3,75	3,08	0,43	3,75	3,08	0,48	3,75	3,08	0,53	3,75	3,08	0,53	3,75	3,08	0,58	3,58	3,01	0,58	3,42	2,94	0,64	3,26	2,87	0,69	3,10	2,81	0,74
21,2	12		3,42	3,42	0,24	3,42	3,42	0,26	3,42	3,42	0,29	3,42	3,42	0,32	3,42	3,42	0,35	3,42	3,42	0,37	3,42	3,42	0,43	3,42	3,42	0,48	3,42	3,42	0,53	3,26	3,26	0,58	3,10	3,10	0,63	2,94	2,94	0,68	2,77	2,77	0,73
32,1	14	24	3,59	3,59	0,43	3,59	3,59	0,43	3,59	3,59	0,43	3,59	3,59	0,43	3,59	3,59	0,43	3,59	3,59	0,43	3,59	3,59	0,43	3,59	3,59	0,43	3,59	3,59	0,53	3,42	3,42	0,58	3,26	3,26	0,63	3,10	3,10	0,69	2,93	2,93	0,74
43,8	16		3,75	3,62	0,43	3,75	3,62	0,43	3,75	3,62	0,43	3,75	3,62	0,43	3,75	3,62	0,43	3,75	3,62	0,48	3,75	3,62	0,48	3,75	3,62	0,48	3,75	3,62	0,53	3,58	3,55	0,59	3,42	3,42	0,64	3,26	3,26	0,69	3,10	3,10	0,74
50	17	27	3,83	3,32	0,43	3,83	3,32	0,43	3,83	3,32	0,43	3,83	3,32	0,43	3,83	3,32	0,43	3,83	3,32	0,43	3,83	3,32	0,43	3,83	3,32	0,43	3,83	3,32	0,54	3,66	3,26	0,59	3,50	3,19	0,64	3,34	3,12	0,69	3,18	3,06	0,74
21,5	14		3,59	3,59	0,38	3,59	3,59	0,38	3,59	3,59	0,38	3,59	3,59	0,38	3,59	3,59	0,38	3,59	3,59	0,38	3,59	3,59	0,43	3,59	3,59	0,43	3,59	3,59	0,53	3,42	3,42	0,58	3,26	3,26	0,63	3,10	3,10	0,69	2,93	2,93	0,74
26,3	15	27	3,67	3,67	0,43	3,67	3,67	0,43	3,67	3,67	0,43	3,67	3,67	0,43	3,67	3,67	0,43	3,67	3,67	0,43	3,67	3,67	0,43	3,67	3,67	0,48	3,67	3,67	0,53	3,50	3,50	0,58	3,34	3,34	0,64	3,18	3,18	0,69	3,01	3,01	0,74
31,3	16		3,75	3,75	0,43	3,75	3,75	0,43	3,75	3,75	0,43	3,75	3,75	0,43	3,75	3,75	0,43	3,75	3,75	0,43	3,75	3,75	0,43	3,75	3,75	0,48	3,75	3,75	0,53	3,58	3,58	0,59	3,42	3,42	0,64	3,26	3,26	0,69	3,10	3,10	0,74

Symbols

RH: Relative humidity [%]

BF: Bypass factor

[°C WB]: Entering wet-bulb temperature [°C WB]

[°C DB]: 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. 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).

. The capacities are based on the following conditions:

Corresponding refrige

Level difference: 0.0 m

3D120440B

5 Capacity tables

5 - 1 Cooling Capacity Tables

FHA60A98 / RZAG50A

Performance characteristics for ·EDP· room

FHA60AVEB9 + RZAG50A2V1B

FHA60AVEB99+RZAG50A2V1B

FHA60AVEB98+RZAG50A2V1B

Cooling

Indoor			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	-				
41.8	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		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							
31.4	11		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							
44.9	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		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							
22.9	11		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							
34.8	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							
47.6	15		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							
54.3	16		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	0.74	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							
21.2	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							
32.1	14		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							
43.8	16		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	0.74	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	26	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	0.74	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							
21.5	14		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							
26.3	15		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							
31.3	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	0.74	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: ·0·m

3D120441B

FHA71A98 / RZAG60A

Performance characteristics for ·EDP· room

FHA71AVEB9 + RZAG60A2V1B

FHA71AVEB99+RZAG60A2V1B

FHA71AVEB98+RZAG60A2V1B

Cooling

Indoor			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	-				
41.8	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		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	4.08	1.36	4.89	3.95	1.46							
31.4	11		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							
44.9	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		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	0.95	6.15	4.82	1.06	6.15	4.82	1.16	5.87	4.69	1.26	5.59	4.56	1.36	5.31	4.42	1.36	5.03	4.29	1.47							
22.9	11		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							
34.8	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							
47.6	15		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	0.76	6.29	5.15	0.76	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							
54.3	16		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	0.86	6.42	4.74	0.86	6.42	4.74	1.06	6.14	4.62	1.17	5.86	4.49	1.27	5.59	4.37	1.37	5.31	4.25	1.47							
21.2	12		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							
32.1	14		6.15	5.15	0.54	6.15	5.15	0.59	6.15	5.15	0.64	6.15	5.15	0.70	6.15	5.15	0.75	6.15	5.15	0.75	6.15	5.15	0.85	6.15	5.15	0.96	6.15	5.15	1.06	5.87	5.87	1.16	5.59	5.59	1.26	5.31	5.31	1.36	5.03	5.03	1.47							
43.8	16		6.42	4.97	0.86	6.42	4.97	0.86	6.42	4.97	0.86	6.42	4.97	0.86	6.42	4.97	0.86	6.42	4.97	0.86	6.42	4.97	0.86	6.42	4.97	0.86	6.42	4.97	1.06	6.14	5.34	1.17	5.86	5.22	1.27	5.59	5.09	1.37	5.31	4.97	1.47							
50	17		6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.97	6.56	5.06	1.07	6.28	6.28	1.17	6.00	4.81	1.27	5.72	4.70	1.37	5.44	4.58	1.47							
21.5	14		6.15	6.15	0.48	6.15	6.15	0.54	6.15	6.15	0.59	6.15	6.15	0.65	6.15	6.15	0.70	6.15	6.15	0.75	6.15	6.15	0.85	6.15	6.15	0.96	6.15	6.15	1.06	5.87	5.87	1.16	5.59	5.59	1.26	5.31	5.31	1.36	5.03	5.03	1.47							
26.3	15	27	6.29	6.29	0.65	6.29	6.29	0.70	6.29	6.29	0.76	6.29	6.29	0.76	6.29	6.29	0.76	6.29	6.29	0.76	6.29	6.29	0.86	6.29	6.29	0.96	6.29	6.29	1.06	6.01	6.01	1.16	5.73	5.73	1.26	5.45	5.45	1.37	5.17	5.17	1.47							
31.3	16		6.42	6.42	0.86	6.42	6.42	0.86	6.42	6.42	0.86	6.42	6.42	0.86	6.42	6.42	0.86	6.42	6.42	0.86	6.42	6.42	0.86	6.42	6.42	0.86	6.42	6.42	1.06	6.14	6.14	1.17	5.86	5.86	1.27	5.59	5.59	1.37	5.31	5.31	1.47							

5

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	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C			
41.8	11	18	3.34	3.34	0.29	3.34	3.34	0.32	3.34	3.34	0.33	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	0.9	2.85	2.69	0.9	2.69	0.9	0.9				
57	13	18	3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.60	3.51	2.96	0.66	3.34	2.89	0.73	3.18	2.81	0.79	3.02	2.74	0.85	2.85	2.66	0.9	2.85	2.66	0.9	2.66	0.9	0.9							
34.4	11	20	3.34	3.34	0.29	3.34	3.34	0.32	3.34	3.34	0.33	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	0.9	2.85	2.69	0.9	2.69	0.9	0.9				
41.9	13	20	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.60	3.51	3.51	0.66	3.34	3.34	0.73	3.18	3.18	0.79	3.02	3.02	0.85	2.85	2.85	0.9	2.85	2.85	0.9	2.85	2.85	0.9	2.85	2.85	0.9				
52	14	20	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.60	3.59	3.23	0.66	3.42	3.16	0.73	3.26	3.08	0.79	3.10	3.01	0.86	2.93	2.93	0.9	3.10	2.93	0.9	2.93	0.9	0.9				
35.9	13	22	3.34	3.34	0.29	3.34	3.34	0.32	3.34	3.34	0.33	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	0.9	2.85	2.69	0.9	2.69	0.9	0.9				
44.8	13	22	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.60	3.51	3.51	0.66	3.34	3.34	0.73	3.18	3.18	0.79	3.02	3.02	0.85	2.85	2.85	0.9	2.85	2.85	0.9	2.85	2.85	0.9	2.85	2.85	0.9				
47.6	15	22	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.60	3.67	3.50	0.67	3.50	3.42	0.73	3.34	3.34	0.79	3.18	3.18	0.86	3.01	3.01	0.9	3.18	3.01	0.9	3.01	0.9	0.9				
54.3	16	22	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.60	3.75	3.18	0.67	3.58	3.11	0.73	3.42	3.40	0.80	3.26	2.97	0.86	3.10	3.10	0.9	3.10	2.97	0.9	3.10	2.97	0.9	3.10	2.97	0.9				
21.2	12	24	3.42	3.42	0.37	3.42	3.42	0.40	3.42	3.42	0.43	3.42	3.42	0.47	3.42	3.42	0.47	3.42	3.42	0.47	3.42	3.42	0.47	3.42	3.42	0.53	3.42	3.42	0.60	3.42	3.42	0.66	3.26	3.26	0.72	3.10	3.10	0.79	3.10	2.94	0.85	2.77	2.77	0.9	3.10	2.77	0.9	2.77	0.9	0.9				
32.1	14	24	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.60	3.59	3.59	0.66	3.42	3.42	0.73	3.26	3.26	0.79	3.10	3.10	0.86	2.93	2.93	0.9	3.10	2.93	0.9	2.93	0.9	0.9				
48.8	16	24	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.60	3.75	3.75	0.67	3.58	3.58	0.73	3.42	3.42	0.80	3.26	3.26	0.86	3.10	3.10	0.9	3.10	3.10	0.9	3.10	3.10	0.9	3.10	3.10	0.9				
50	17	24	3.83	3.44	0.54	3.83	3.44	0.54	3.83	3.44	0.54	3.83	3.44	0.54	3.83	3.44	0.54	3.83	3.44	0.54	3.83	3.44	0.54	3.83	3.44	0.54	3.83	3.44	0.61	3.83	3.44	0.67	3.66	3.37	0.73	3.50	3.31	0.80	3.34	3.24	0.86	3.18	3.18	0.9	3.18	3.18	0.9	3.18	3.18	0.9				
21.5	14	27	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.60	3.59	3.59	0.66	3.42	3.42	0.73	3.26	3.26	0.79	3.10	3.10	0.86	2.93	2.93	0.9	3.10	2.93	0.9	2.93	0.9	0.9				
26.3	15	27	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.60	3.67	3.67	0.67	3.50	3.50	0.73	3.34	3.34	0.79	3.18	3.18	0.86	3.01	3.01	0.9	3.18	3.01	0.9	3.01	0.9	0.9				
31.3	16	27	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.54	3.75	3.75	0.60	3.75	3.75	0.67	3.58	3.58	0.73	3.42	3.42	0.80	3.26	3.26	0.86	3.10	3.10	0.9	3.10	3.10	0.9	3.10	3.10	0.9	3.10	3.10	0.9				

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

3D120438

Cooling

[illegible]

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]															
EWB	EDB	20				25				30				35			
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
14,0	20	3,59	2,72	0,61	3,42	2,64	0,67	3,26	2,56	0,73	3,19	2,53	0,75	3,10	2,48	0,79	2,93
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
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
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
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
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

Heating -50· Hz -220 - 240· V

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

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.

3D120371A

FCAG50B / RZAG50A

Cooling -50· Hz -220 - 240· V

AFR	12,6
BF	0,21

Indoor temperature		Outdoor temperature [°C DB]															
EWB	EDB	20				25				30				35			
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
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
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
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
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
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
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

Heating -50· Hz -220 - 240· V

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

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.

3D120372A

5 Capacity tables

5 - 2 Cooling/Heating Capacity Tables

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		
°C	°C	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		-15			-10			-5			0		
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		3,39	1,66	4,08	1,74	4,75	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 [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.

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		
°C	°C	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		-15			-10			-5			0		
°C	°C	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

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.

3D120375

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]

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	°C	-15		-10		-5		0		6		10	
°C	°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	°C	-15		-10		-5		0		6		10	
°C	°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

EDB : 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

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		-15			-10			-5			0				6			10		
°C		TC	PI	TC	PI	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							

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.

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

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	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
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Indoor temperature		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
15,0	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	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	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	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	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	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	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	3,59	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	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	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	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	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	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	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	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: 0m
- 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		
°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	3,85	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
-----	------

Indoor temperature		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
15,0	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		
°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	4,57	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	
°C	°C	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			
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
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
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
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
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
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
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

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	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	1,66	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			
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
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
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
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
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
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
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

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	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

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		
°C	°C	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		-15			-10			-5			0		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	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

FHA35A98 / RZAG35A

FHA35AVEB99 + RZAG35A2V1B

FHA35AVEB98 + RZAG35A2V1B

Cooling 50·Hz 220 - 240·V

AFR	14,0
BF	0,16

Indoor temperature		Outdoor temperature [°C DB]																	
[°C WB]	[°C DB]	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	20,0	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	22,0	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	25,0	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	27,0	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	0,81
22,0	30,0	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	0,81
24,0	32,0	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	0,81

Heating 50·Hz 220 - 240·V

AFR	14,0
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Indoor temperature		Outdoor temperature [°C WB]											
[°C DB]		-15			-10			-5			0		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	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

[°C WB]: Entering wet-bulb temperature [°C WB]

[°C DB]: 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.
- = Nominal capacity
- 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.

3D120386B

5 Capacity tables

5 - 2 Cooling/Heating Capacity Tables

FHA50A98 / RZAG50A

FHA50AVEB99 + RZAG50A2V1B

FHA50AVEB98 + RZAG50A2V1B

Cooling 50 Hz 220 - 240 V

AFR	15,0
BF	0,17

Indoor temperature		Outdoor temperature [°C DB]																	
[°C WB]	[°C DB]	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	5,11	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
-----	------

Indoor temperature		Outdoor temperature [°C WB]											
[°C DB]		-15		-10		-5		0		6		10	
		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

[°C WB]: Entering wet-bulb temperature [°C WB]

[°C DB]: 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.
- = Nominal capacity
- 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.

3D120387B

FHA60A98 / RZAG60A

FHA60AVEB99 + RZAG60A2V1B

FHA60AVEB98 + RZAG60A2V1B

Cooling 50 Hz 220 - 240 V

AFR	19,5
BF	0,2

Indoor temperature		Outdoor temperature [°C DB]																	
°C	°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	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
-----	------

Indoor temperature		Outdoor temperature [°C WB]											
°C	°C	-15		-10		-5		0		6		10	
		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

[°C WB]: Entering wet-bulb temperature [°C WB]

[°C DB]: 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.
- = Nominal capacity
- 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.

3D120388B

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
-----	-----

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

- 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
The air flow rate and bypass factor are mentioned in the table.
- 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
-----	------

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

- 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.

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 [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

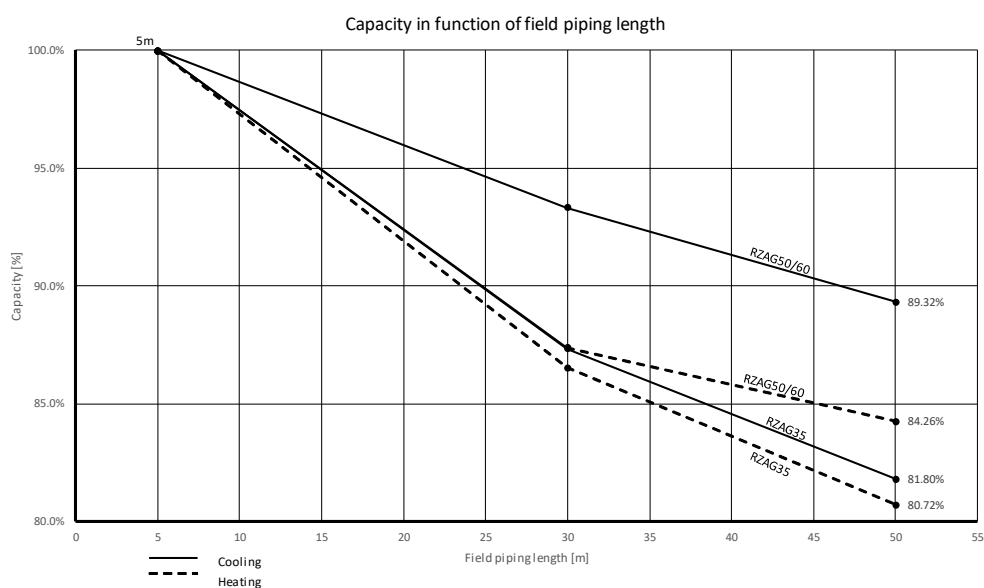
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures 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.

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5 Capacity tables

5 - 3 Capacity Correction Factor

RZAG-A



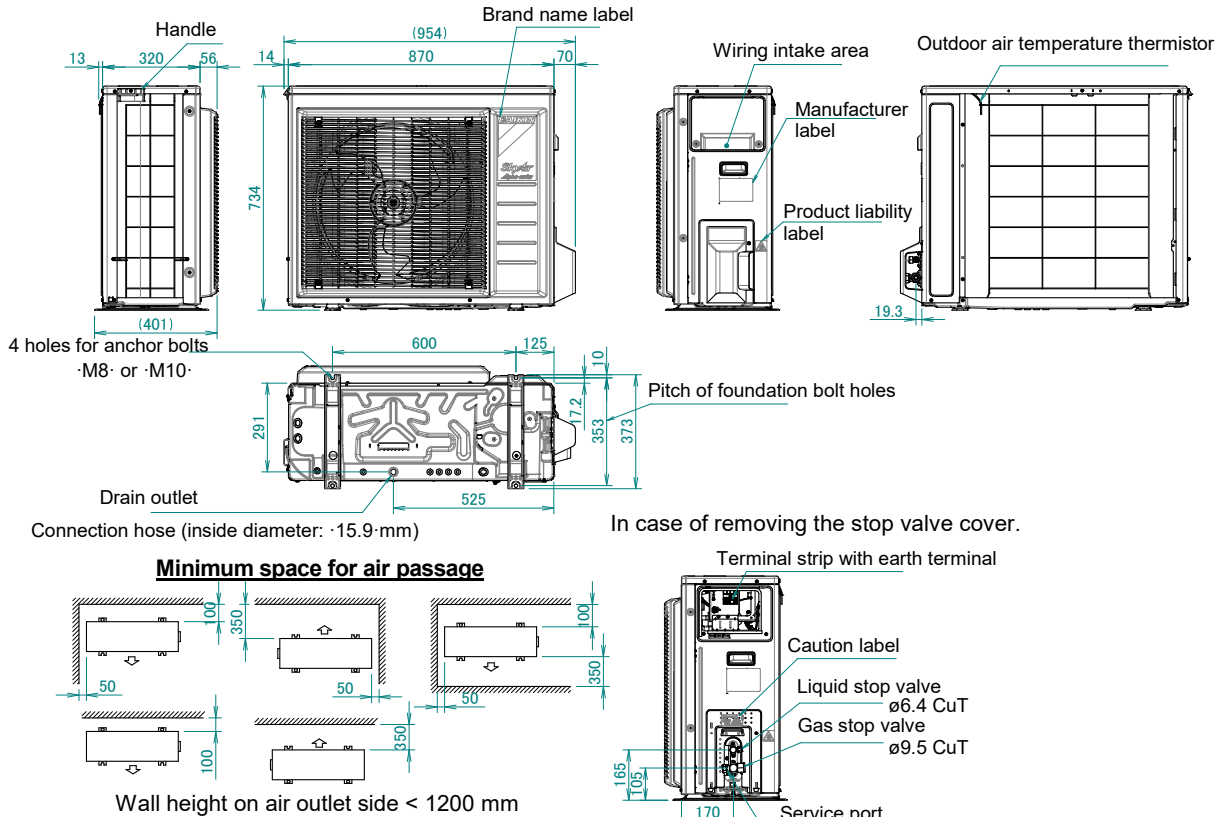
3D121942

6 Dimensional drawings

6 - 1 Dimensional Drawings

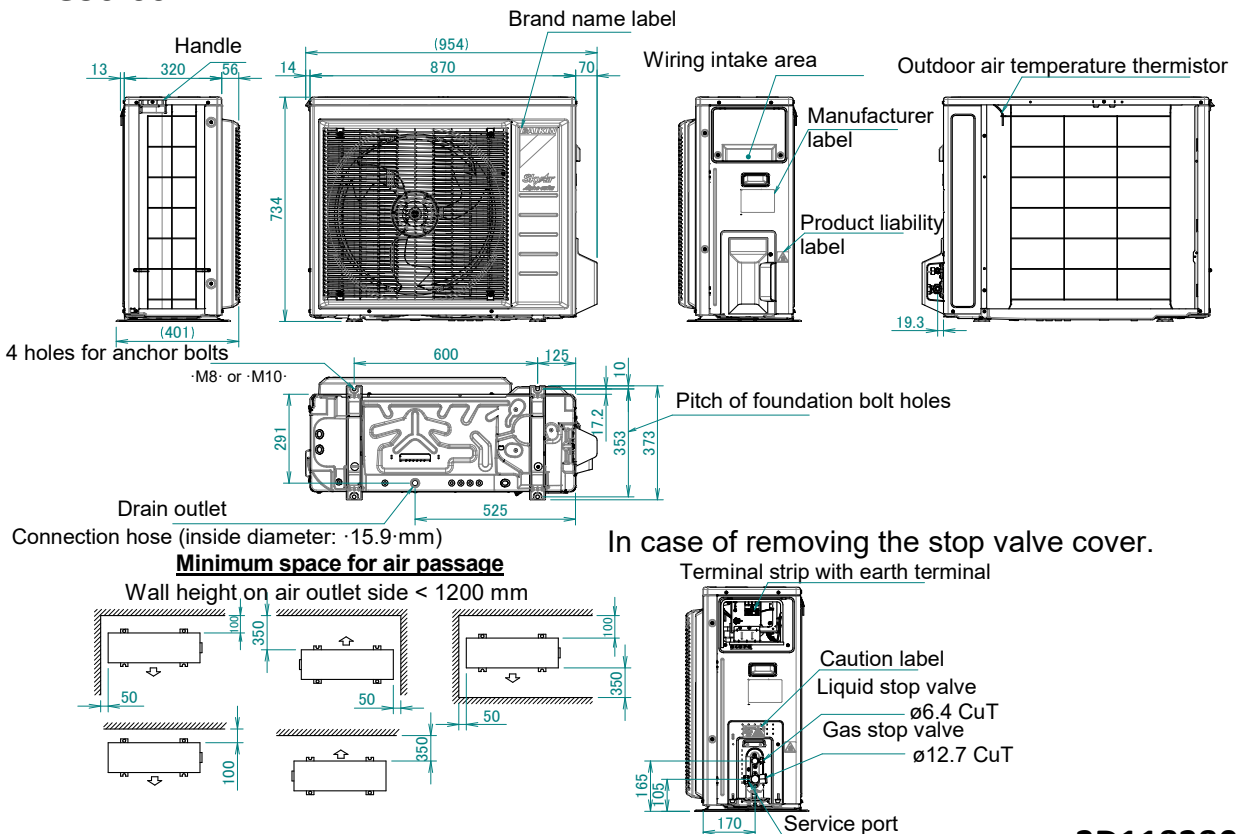
6

RZAG35A



3D118381A

RZAG50-60A

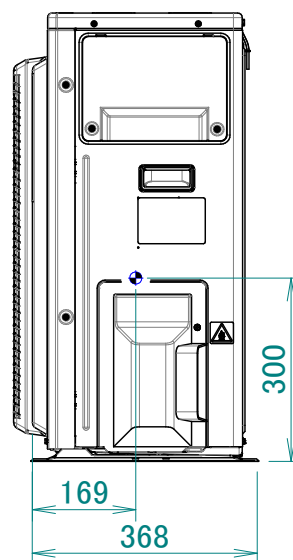
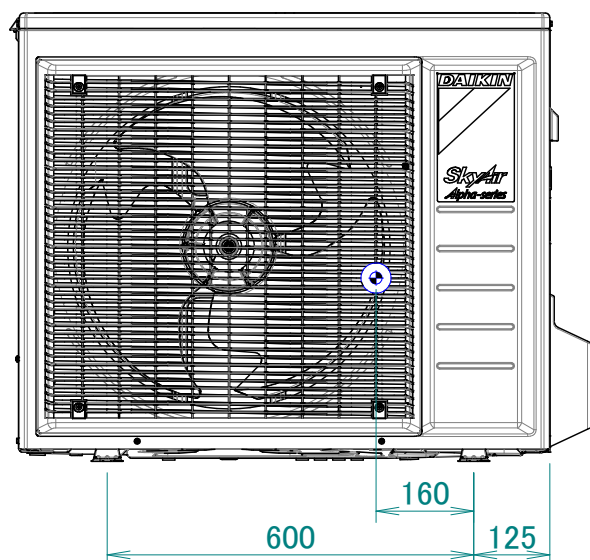


3D118380A

7 Centre of gravity

7 - 1 Centre of Gravity

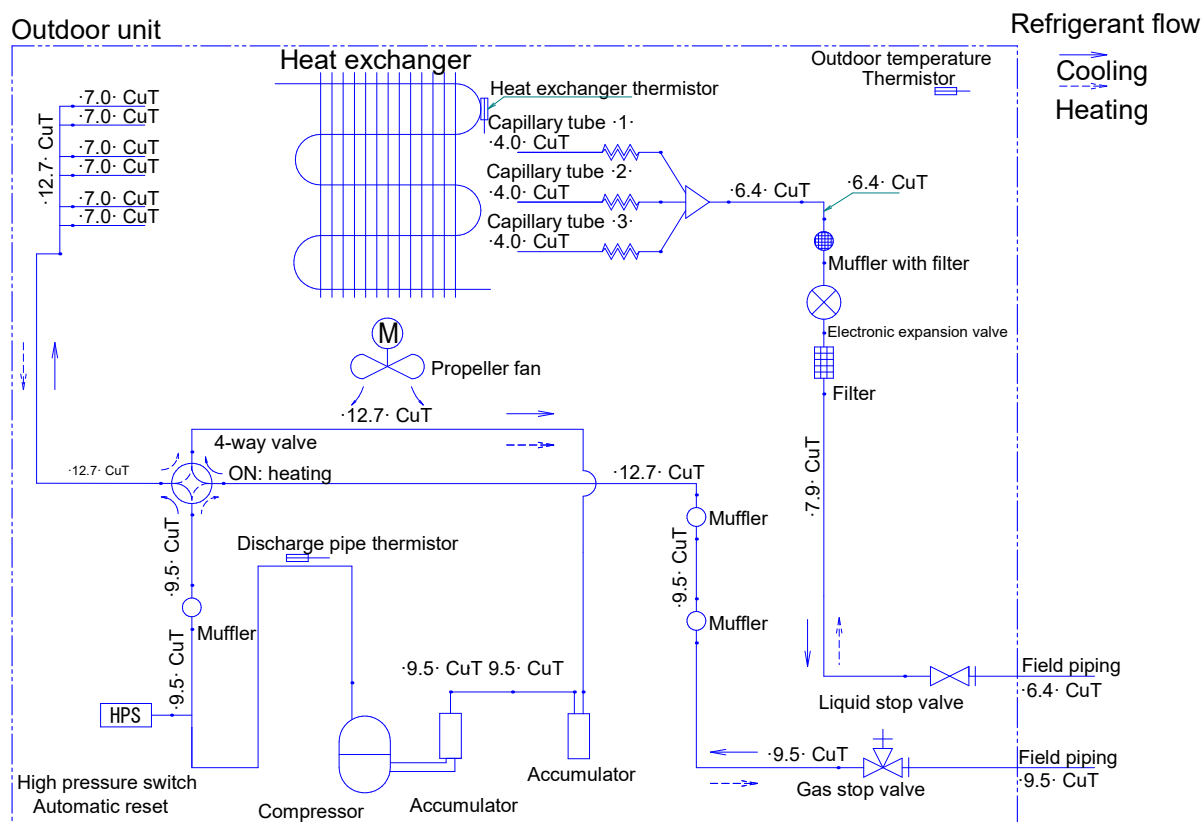
RZAG35-60A



4D118389

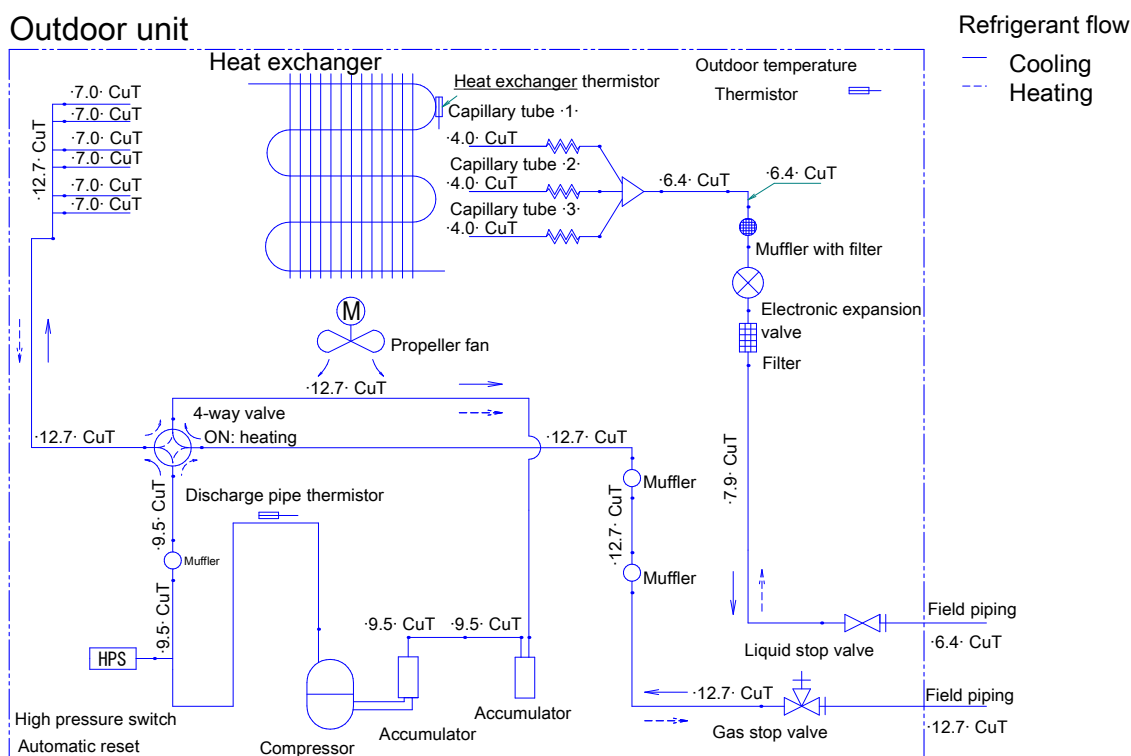
8 - 1 Piping Diagrams

Outdoor unit



3D116991A

Outdoor unit

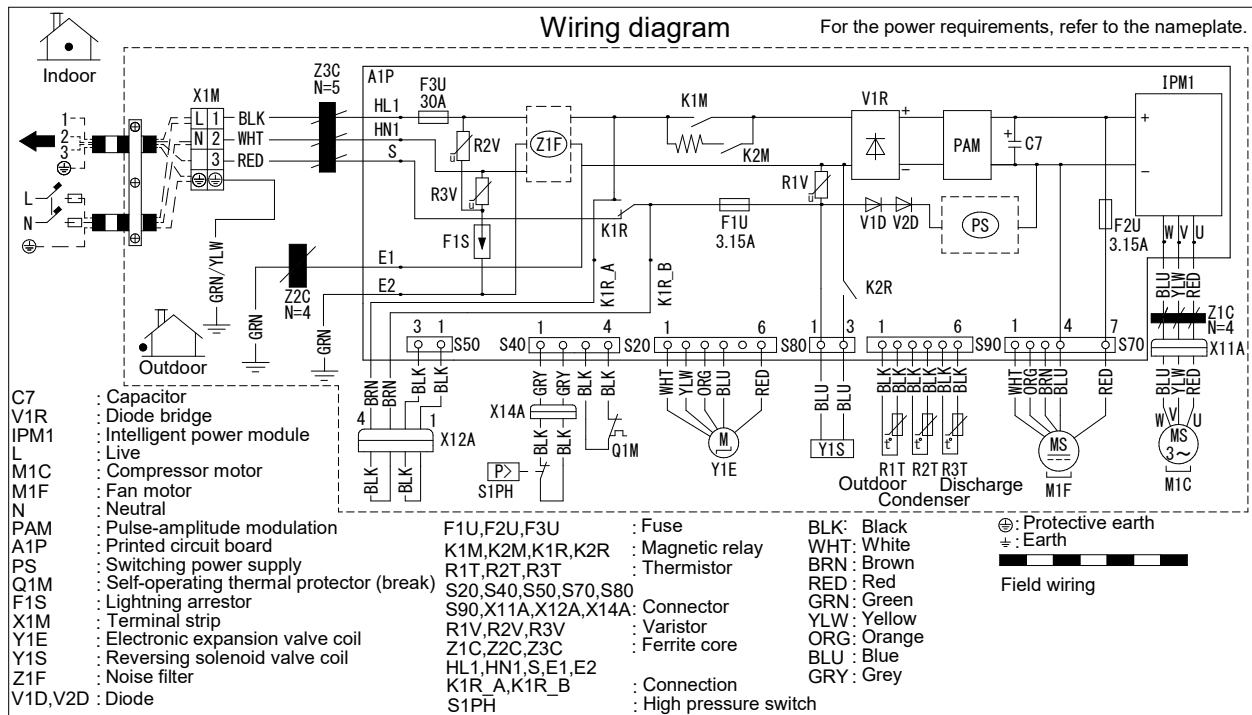


3D116990A

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

RZAG35-60A



NOTES:

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

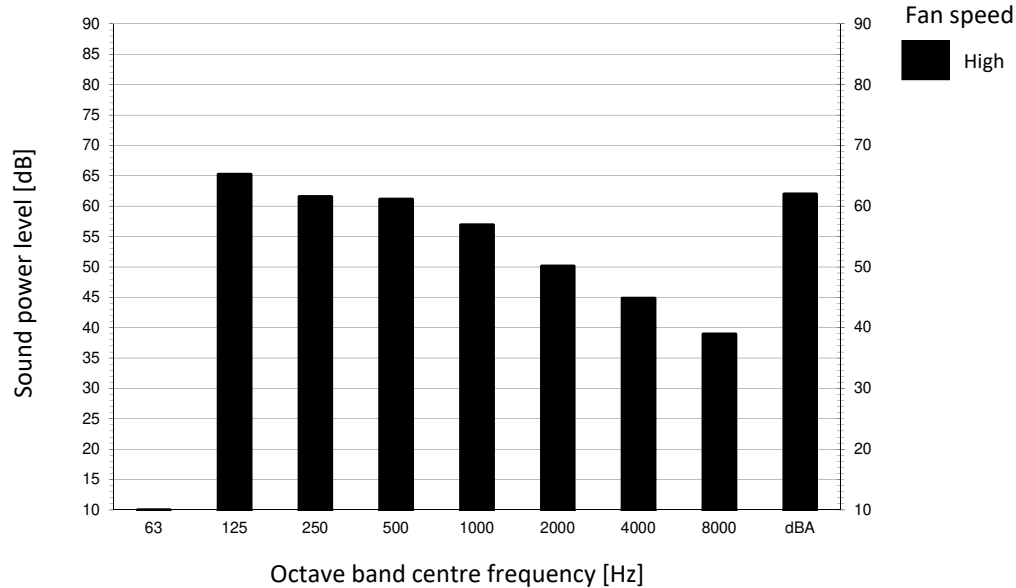
3D117016

10 Sound data

10 - 1 Sound Power Spectrum

RZAG35A

Cooling mode



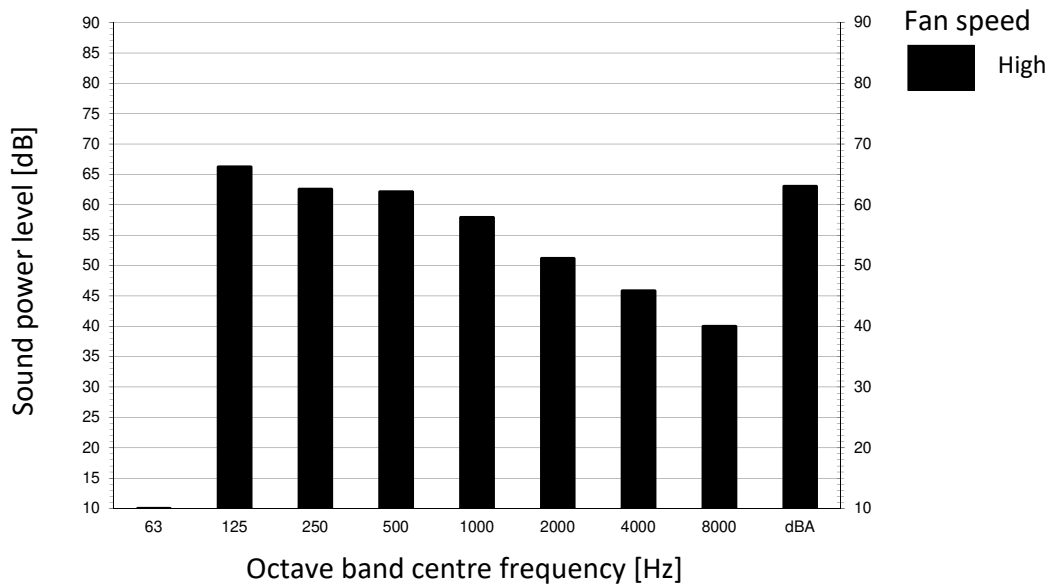
Notes

- 1 dBA = A-weighted sound power level (A scale according to IEC).
- 2 Reference acoustic pressure 0 dB = 20 μ Pa
- 3 Measured according to ISO 3744

3D120220

RZAG50A

Cooling mode



Notes

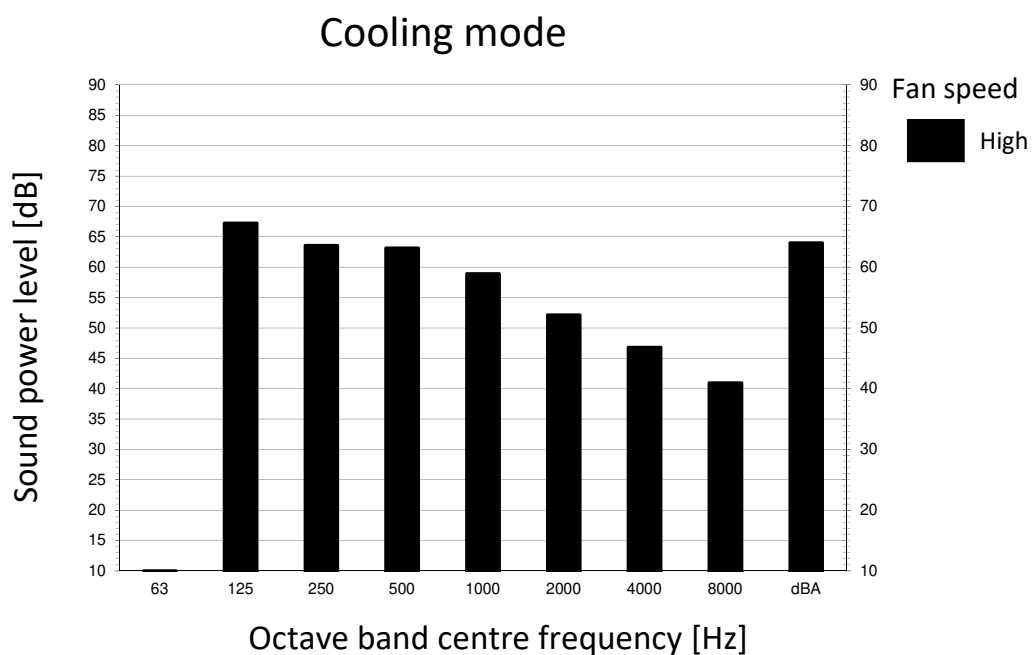
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic pressure 0 dB = 20 μ Pa
3. Measured according to ISO 3744

3D120219

10 Sound data

10 - 1 Sound Power Spectrum

RZAG60A



Notes

1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic pressure 0 dB = 20 μ Pa
3. Measured according to ISO 3744

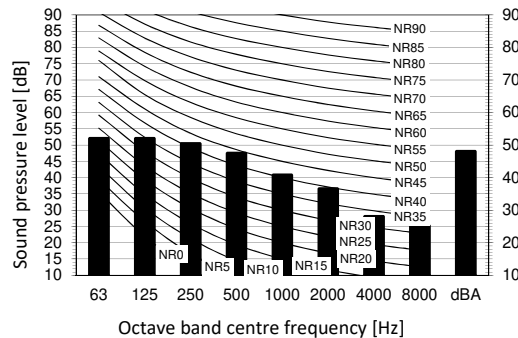
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10 Sound data

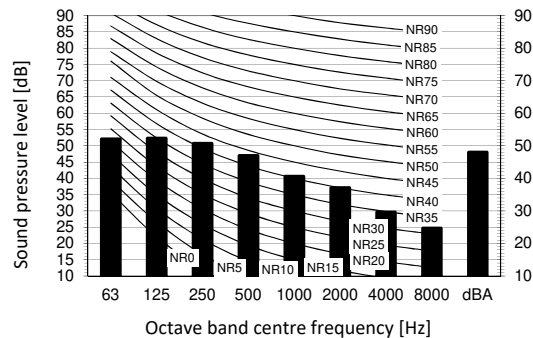
10 - 2 Sound Pressure Spectrum

RZAG35A

Cooling mode



Heating mode



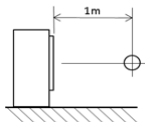
Legend

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

A Scale

B Fan speed: High

Location of microphone



Total dB	
A	B
dBA	48,0

Total dB	
A	B
dBA	48,0

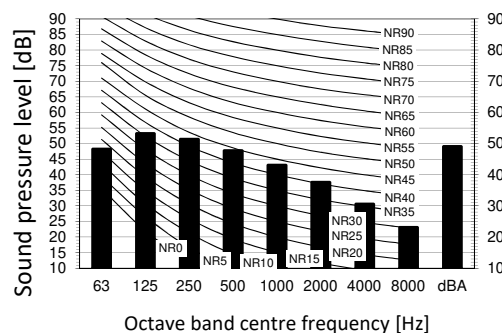
Notes

- 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

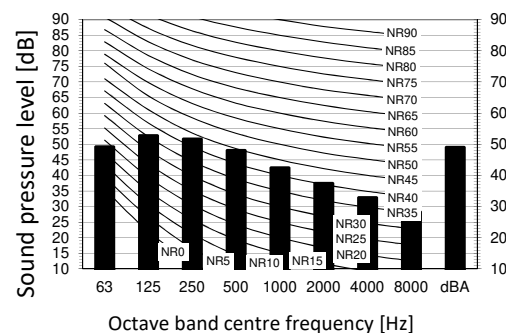
3D120183

RZAG50A

Cooling mode



Heating mode



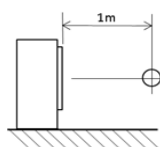
Legend

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

A Scale

B Fan speed: High

Location of microphone



Total dB	
A	B
dBA	49,0

Total dB	
A	B
dBA	49,0

Notes

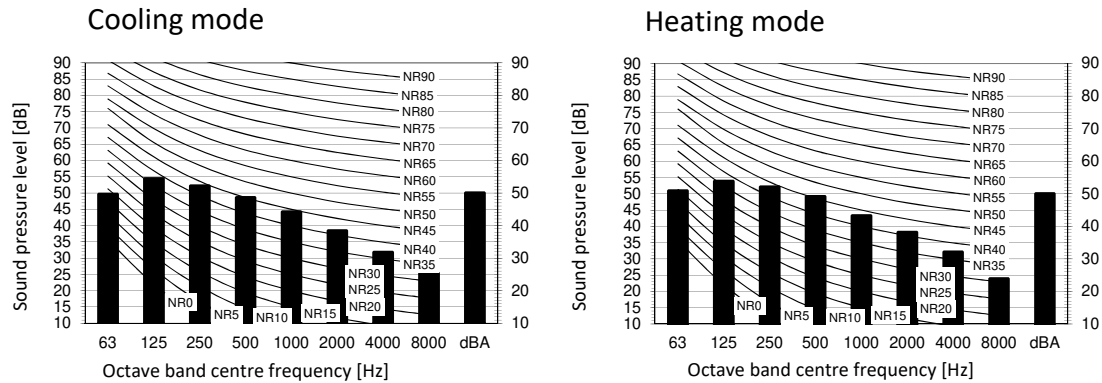
- 1 Operating noise varies depending on operation and ambient conditions.
- 2 The operation noise measuring method is in accordance with JISC9612.
- 3 Background noise already taken into account.
- 4 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 5 Measuring location: anechoic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

3D120184

10 Sound data

10 - 2 Sound Pressure Spectrum

RZAG60A



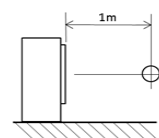
Legend

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

A Scale

B Fan speed: High

Location of microphone



Total dB	
A	B
dBA	50,1

Total dB	
A	B
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

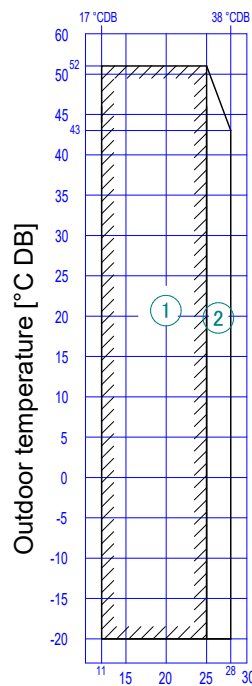
11 Operation range

11 - 1 Operation Range

11

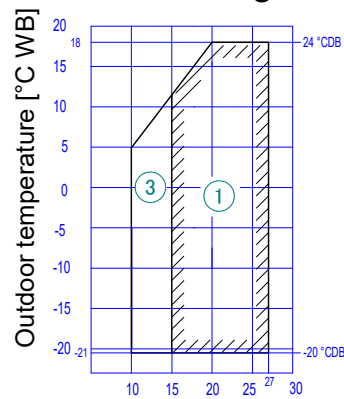
RZAG35-60A

Cooling



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

Heating



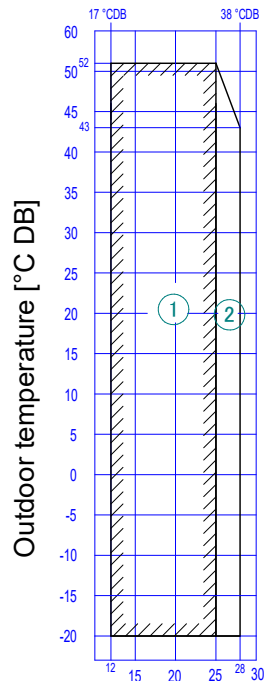
Notes

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

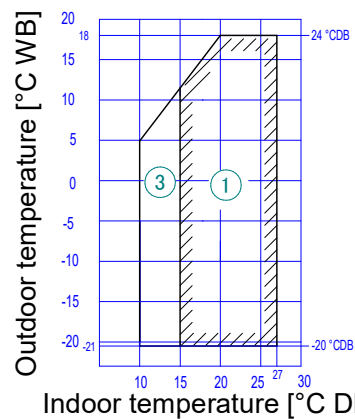
RZAG35-60A

Cooling



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

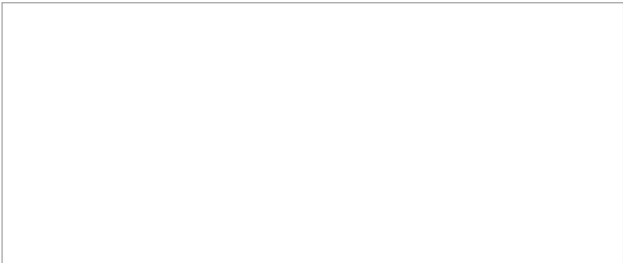
Heating



Notes

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



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03/2023



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