



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



TABLE OF CONTENTS

RZAG-B

1	Features	4
	RZAG-B	4
2	Specifications	5
3	Electrical data	18
4	Options	21
5	Capacity tables	22
	Cooling Capacity Tables	22
	Cooling/Heating Capacity Tables	31
	Capacity Correction Factor	42
6	Dimensional drawings	43
7	Centre of gravity	44
8	Piping diagrams	45
9	Wiring diagrams	46
	Wiring Diagrams - Single Phase	46
10	Sound data	47
	Sound Power Spectrum	47
	Sound Pressure Spectrum	49
11	Operation range	51

Features

1 - 1 RZAG-B

Industry leading technology for commercial applications and even for technical rooms

- › 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 30% 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)



-20°

Guaranteed operation down to -20°C



Infrastructure cooling



INVERTER

Inverter



Swing compressor (optional)



Seasonal efficiency - Smart use of energy



Replacement technology



Auto cooling-heating changeover (optional)



Night quiet mode (optional)



2 Specifications

2 - 1 Specifications

Technical Specifications					RZAG35B		RZAG50B		RZAG60B				
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			1.4								
	Passes	Quantity			2.2								
	Stages	Quantity			32								
	Tube type				ø7 Hi-XD								
	Fin	Type			Waffle fin (PE)								
	Fan	Type				Propeller fan							
	Air flow rate	Cooling	Nom.	m³/min	55.1								
					cfm						1,947		
	Heating	Nom.	m³/min	55.1									
				cfm						1,947			
Fan motor	Model				DFC07A1VA								
	Output	W			55								
	Speed	Cooling	High	Nom.	rpm	740		780					
						Low	rpm	580		620		640	
		Heating	High	rpm	740								
					Nom.	rpm	740						
							460						
Compressor	Model				2Y147BKBX1P#D								
	Oil Amount	cm³			650								
	Type				Hermetically sealed swing compressor								
	Output	W			1,300								
	Oil Type				FW68DA								
Operation range	Cooling	Ambient	Min.	°CDB	-20								
Operation range	Cooling	Ambient	Max.	°CDB	52								
	Heating	Ambient	Min.	°CWB	-21								
					Max.	°CWB	18						
Sound power level	Cooling	dBA					62		63		64		
	Heating	dBA			62		63		64				
Sound pressure level	Cooling	Nom.	dBA		48		49		50				
	Heating	Nom.	dBA		48		49		50				
Refrigerant	Type				R-32								
	Charge	kg			1.55								
	GWP				675								
Piping connections	Liquid	OD	mm		6.35								
	Gas	OD	mm		9.52		12.7						
	Drain	OD	mm		16								
	Piping length	OU - IU	Max.	m	50								
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)								
	Level difference	IU - OU	Max.	m	30								
	Heat insulation			Both liquid and gas pipes									
	Method			Variable (inverter)									
Capacity control													

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Refrigerant charge label;Quantity: 1;

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

Standard accessories: General safety precautions;Quantity: ;

Standard accessories: LOT10 Energy Label;Quantity: ;

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

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

Standard accessories: Drain plug;Quantity: 1;

2 Specifications

2 - 1 Specifications

2

Electrical Specifications			RZAG35B	RZAG50B	RZAG60B
Power supply	Phase			1~	
	Hz			50	
	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

Technical specifications				FCAG35B + RZAG35B	FCAG50B + RZAG35B	FCAG50B + RZAG50B	FCAG60B + RZAG50B	FCAG60B + RZAG60B	FCAG71B + RZAG60B
Heating capacity	Min.		kW	1.4		1.5		1.6	
	Min.		Btu/h	4,800		5,100		5,500	
	Min.		kcal/h	1,200		1,290	1,300	1,380	1,400
	Nom.		kW	4		5.8		7	
	Nom.		Btu/h	13,700	13,600	19,800		23,900	
	Nom.		kcal/h	3,439		4,987		6,019	
	Max.		kW	5		6		7.5	
	Max.		Btu/h	17,000	17,100	20,500		25,600	
	Max.		kcal/h	4,299		5,159		6,449	
Power input	Cooling	Nom.	kW	0.8	0.77	1.28	1.26	1.76	1.58
	Heating	Nom.	kW	0.93	0.91	1.56	1.55	2.06	1.98
Nominal efficiency	EER			4.4	4.57	3.9	3.98	3.4	3.79
	COP			4.3	4.41	3.71	3.75	3.4	3.53
	Annual energy consumption		kWh	398	383	641	628	882	792
	Energy labeling	Cooling		A					
Space cooling	Heating			A				C	B
	Directive								
	Energy efficiency class			A++					
Space heating (Average climate)	Capacity	Pdesign	kW	3.5		5		6	
	SEER			7.3	7.4	6.8	6.93	6.6	6.82
	Annual energy consumption		kWh/a	168	166	257	252	318	308
	Energy efficiency class			A+					
Space heating (Warm climate)	Capacity	Pdesign	kW	3.3		4.3		4.6	
	SCOP/A			4.3	4.41	4.3	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
	Annual energy consumption		kWh/a	1,074	1,048	1,398	1,384	1,515	1,467
	Required back up heating cap at design conditions		kW	0.39		0.62	0.57	0.64	0.6
	Energy efficiency class			A+++					
Space cooling	Capacity	Pdesignh	kW	1.78		2.32		2.48	
	SCOP			5.79	5.89	6.05	6.1	6.06	6.19
	SCOPnet			6.04	6.15	6.25	6.31	6.25	6.39
	Annual energy consumption		kWh/a	430	423	537	532	573	561
Space cooling	Required back up heating cap at design conditions		kW	0					
	A Condition	Pdc	kW	3.5		5		6	
	(35°C - 27/19)	EERd		4.4	4.57	3.9	3.98	3.4	3.79
		Power input	kW	0.8	0.77	1.28	1.26	1.76	1.58
Space cooling	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	1.5	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	0.36
	D Condition	Pdc	kW	1.59	1.85		1.88		1.92
	(20°C - 27/19)	EERd		13.2	13.42	12.89	13.3	12.82	12.98
		Power input	kW	0.12		0.14		0.15	

2 Specifications

2 - 1 Specifications

Technical specifications					FCAG35B + RZAG35B	FCAG50B + RZAG35B	FCAG50B + RZAG50B	FCAG60B + RZAG50B	FCAG60B + RZAG60B	FCAG71B + RZAG60B	
Space heating (Average climate)	TOL	Tol (temperature operating limit)			°C	-10					
	TBivalent	Tbiv (bivalent temperature)			°C	-7					
		Pdh (declared heating cap)			kW	2.92		3.8	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 (-7°C)	Pdh (declared heating cap)			kW	2.92		3.8	3.81	4.07	
		COPd (declared COP)				2.71	2.79	2.65	2.68	2.59	2.69
		Power input			kW	1.08	1.05	1.43	1.42	1.57	1.51
	B Condition (2°C)	Pdh (declared heating cap)			kW	1.78		2.32		2.48	
		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 (7°C)	Pdh (declared heating cap)			kW	1.42	1.51		1.52	1.59	
		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 (12°C)	Pdh (declared heating cap)			kW	1.57	1.6		1.61		1.63
		COPd (declared COP)				7.83	8.02	7.88	7.97	7.88	8.05
		Power input			kW	0.2					
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0.2	0	0.2	0	0.2	0	
		Heating	PCK	kW	0						
	Off mode	Cooling	POFF	kW	0.012						
		Heating	POFF	kW	0.012						
	Standby mode	Heating	PSB	kW	0.012						
		Cooling	PSB	kW	0.012						
	Thermo-stat-off mode	Cooling	PTO	kW	0.004						
		Heating	PTO	kW	0.023						
	Space heating (Warm climate)	TOL	Tol (temperature operating limit)			°C	2				
TBivalent		Tbiv (bivalent temperature)			°C	2					
		Pdh (declared heating cap)			kW	1.78		2.32		2.48	
Space heating (Warm climate)	TBivalent	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
	B Condition (2°C)	Pdh (declared heating cap)			kW	1.78		2.32		2.48	
		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 (7°C)	Pdh (declared heating cap)			kW	1.42	1.51		1.52	1.59	
		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 (12°C)	Pdh (declared heating cap)			kW	1.57	1.6		1.61		1.63
		COPd (declared COP)				7.83	8.02	7.88	7.97	7.88	8.05
		Power input			kW	0.2					
	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						

Technical specifications				FFA35A9 + RZAG35B		FFA50A9 + RZAG35B		FFA50A9 + RZAG50B		FFA60A9 + RZAG50B		FFA60A9 + RZAG60B	
Heating capacity	Min.		kW	1.4				1.5				1.6	
	Min.		Btu/h	4,780		4,800			5,100			5,500	
	Min.		kcal/h	1,200				1,290		1,300			1,380
	Nom.		kW	4				5.8				7	
	Nom.		Btu/h	13,700		13,600			19,800			23,900	
	Nom.		kcal/h	3,439				4,987				6,019	
	Max.		kW	5				6				7.5	
	Max.		Btu/h	17,000		17,100			20,500			25,590	
	Max.		kcal/h	4,299				5,159				6,449	
Power input	Cooling	Nom.	kW	0.88		0.82	1.47		1.38		1.86		
	Heating	Nom.	kW	1.08		1.02	1.87		1.84		2.41		

2 Specifications

2 - 1 Specifications

Technical specifications				FFA35A9 + RZAG35B	FFA50A9 + RZAG35B	FFA50A9 + RZAG50B	FFA60A9 + RZAG50B	FFA60A9 + RZAG60B
Nominal efficiency	EER			4	4.25	3.4	3.62	3.23
	COP			3.71	3.94	3.1	3.15	2.9
	Annual energy consumption	kWh		438	412	735	691	929
	Energy labeling	Cooling		A		D		
		Heating	Directive					
Space cooling	Energy efficiency class			A++				A+
	Capacity	Pdesign	kW	3.5		5		6
	SEER			6.4	6.81	6.3	6.43	5.8
	Annual energy consumption	kWh/a		191	180	278	272	362
Space heating (Average climate)	Energy efficiency class			A+				
	Capacity	Pdesign	kW	4.2		4.3		4.5
	SCOP/A			3.8	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		3.5	3.53	3.66	3.68	3.87
	Annual energy consumption	kWh/a		1,546	1,455	1,501	1,474	1,558
	Required back up heating cap at design conditions	kW		0.7	0.67	0.64	0.62	0.63
Space heating (Warm climate)	Energy efficiency class			A+++		A++		
	Capacity	Pdesignh	kW	2.26		2.32		2.42
	SCOP			5.1	5.2	4.98	5.07	4.86
	SCOPnet			5.25	5.36	5.12	5.21	4.98
	Annual energy consumption	kWh/a		620	609	652	640	697
	Required back up heating cap at design conditions	kW		0				
Space cooling	A Condition	Pdc	kW	3.5		5		6
	(35°C - 27/19)	EERd		4	4.25	3.4	3.62	3.23
		Power input	kW	0.88	0.82	1.47	1.38	1.86
Space cooling	B Condition	Pdc	kW	2.58		3.68		4.42
	(30°C - 27/19)	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	Pdc	kW	1.66	1.83	2.37		2.84
	(25°C - 27/19)	EERd		8.45	9.15	7.94	8.01	7.08
		Power input	kW	0.2		0.3		0.4
	D Condition	Pdc	kW	1.78	1.89	1.81	1.9	1.82
	(20°C - 27/19)	EERd		11.12	12.27	10.61	10.78	9.8
		Power input	kW	0.16	0.15	0.17	0.18	0.19
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10				
	TBivalent	Tbiv (bivalent temperature)	°C	-7				
		Pdh (declared heating cap)	kW	3.72	3.71	3.8		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	Pdh (declared heating cap)	kW	3.72	3.71	3.8		3.98
	(-7°C)	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	Pdh (declared heating cap)	kW	2.26		2.32		2.42
	(2°C)	COPd (declared COP)		3.49	3.79	3.85	3.92	3.95
		Power input	kW	0.65	0.6		0.59	0.61
	C Condition	Pdh (declared heating cap)	kW	1.52	1.56	1.55		1.59
	(7°C)	COPd (declared COP)		5.39	5.59	5.26	5.36	5.09
		Power input	kW	0.28		0.29		0.31
	D Condition	Pdh (declared heating cap)	kW	1.54	1.77	1.54		1.58
	(12°C)	COPd (declared COP)		6.36	6.45	6.08	6.19	5.89
		Power input	kW	0.24	0.27	0.25		0.27
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	0				
		Heating	PCK	0				
	Off mode	Cooling	POFF	12	0.012	12	0.012	
		Heating	POFF	12	0.012	12	0.012	
	Standby mode	Heating	PSB	12	0.012	12	0.012	
		Cooling	PSB	12	0.012	12	0.012	
	Thermo-stat-off mode	Cooling	PTO	4	0.004	4	0.004	
		Heating	PTO	23	0.023	23	0.023	
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C	2				
	TBivalent	Tbiv (bivalent temperature)	°C	2				
		Pdh (declared heating cap)	kW	2.26		2.32		2.42

2 Specifications

2 - 1 Specifications

Technical specifications					FFA35A9 + RZAG35B	FFA50A9 + RZAG35B	FFA50A9 + RZAG50B	FFA60A9 + RZAG50B	FFA60A9 + RZAG60B
Space heating (Warm climate)	TBivalent	COPd (declared COP)			3.49	3.79	3.85	3.92	3.95
		Power input kW			0.65	0.6		0.59	0.61
	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
	C Condition (7°C)	Power input kW			0.65		0.6		0.59
		Pdh (declared heating cap) kW			1.52	1.56	1.55		1.59
	D Condition (12°C)	COPd (declared COP)			5.39	5.59	5.26	5.36	5.09
		Power input kW			0.28		0.29		0.31
		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	0.27	0.25		0.27	
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	51	56		60	
	Piping length	Cooling	Measuring condition	m	5				

Technical specifications				FDXM35F9 + RZAG35B	FDXM50F9 + RZAG35B	FDXM50F9 + RZAG50B	FDXM60F9 + RZAG50B	FDXM60F9 + RZAG60B
Heating capacity	Min.	kW		1.4	1.7	1.7	1.7	1.7
	Min.	Btu/h		4,780	4,800	5,800	5,800	5,800
	Min.	kcal/h		1,200	1,460	1,500	1,500	1,460
	Nom.	kW		4	5	7	7	7
	Nom.	Btu/h		13,700	13,600	17,100	23,900	23,900
	Nom.	kcal/h		3,439	4,299	6,019	6,019	6,019
	Max.	kW		5	6	7.5	7.5	7.5
	Max.	Btu/h		17,000	17,100	20,500	25,590	25,590
	Max.	kcal/h		4,299	5,159	6,449	6,449	6,449
	Max.	kcal/h		4,299	5,159	6,449	6,449	6,449
Power input	Cooling	Nom.	kW	0.9	0.86	1.32	1.26	1.76
	Heating	Nom.	kW	1.14	1.1	1.47	1.45	2.12
Nominal efficiency	EER			3.9	4.05	3.8	3.98	3.4
	COP			3.5	3.63	3.4	3.44	3.3
	Annual energy consumption	kWh		449	432	658	628	882
	Energy labeling Directive			B	A	C	B	C
	Energy efficiency class			A	A+	A+	A	A
Space cooling	Capacity	Pdesign	kW	3.5	5	6	6	6
	SEER			5.9	6.08	5.9	5.98	5.7
	Annual energy consumption	kWh/a		208	201	296	293	368
	Energy efficiency class			A	A+	A	A	A
Space heating (Average climate)	Capacity	Pdesign	kW	3.5	4.2	4.3	4.5	4.5
	SCOP/A			3.9	4.05	3.9	3.94	3.9
	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
	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
	Energy efficiency class			A+++	A+++	A+++	A+++	A+++
	Capacity	Pdesignh	kW	1.89	2.26	2.32	2.42	2.42
Space heating (Warm climate)	SCOP			5.17	5.48	5.06	5.09	5.04
	SCOPnet			5.35	5.65	5.2	5.24	5.17
	Annual energy consumption	kWh/a		512	577	642	638	673
	Required back up heating cap at design conditions	kW		0	0	0	0	0
	A Condition	Pdc	kW	3.5	5	6	6	6
	(35°C - 27/19)	EERd		3.9	4.05	3.8	3.98	3.4
	Power input	kW		0.9	0.86	1.32	1.26	1.76
	Power input	kW		0.9	0.86	1.32	1.26	1.76

2 Specifications

2 - 1 Specifications

Technical specifications					FDXM35F9 + RZAG35B		FDXM50F9 + RZAG35B		FDXM50F9 + RZAG50B		FDXM60F9 + RZAG50B		FDXM60F9 + RZAG60B				
Space cooling	B Condition (30°C - 27/19)	Pdc		kW	2.58			3.68			4.42						
		EERd			5.52	5.78	5.11	5.2	4.68								
		Power input		kW	0.47	0.45	0.72	0.71	0.94								
	C Condition (25°C - 27/19)	Pdc		kW	2	2.06	2.37		2.84								
		EERd			8.17	8.47	7.58	7.65	7.28								
		Power input		kW	0.24			0.31		0.39							
	D Condition (20°C - 27/19)	Pdc		kW	2.02	2.09											
		EERd			9.76	10.09	9.11	9.15	8.85								
		Power input		kW	0.21			0.23		0.24							
Space heating (Average climate)	TOL	Tol (temperature operating limit)			°C			-10									
	TBivalent	Tbiv (bivalent temperature)			°C			-7									
		Pdh (declared heating cap)			kW			3.1			3.72		3.8		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	
		Pdh (declared heating cap)			kW			3.1		3.72		3.8		3.98			
	A Condition (-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	
		Pdh (declared heating cap)			kW			1.89		2.26		2.32		2.42			
	B Condition (2°C)	COPd (declared COP)						3.76		3.86		3.99		4.04		4.01	
		Power input			kW			0.5		0.59		0.58		0.57		0.6	
		Pdh (declared heating cap)			kW			1.45		1.51		1.61					
	C Condition (7°C)	COPd (declared COP)						5.53		5.69		4.95		5.02		4.9	
		Power input			kW			0.26		0.27		0.33		0.32		0.33	
		Pdh (declared heating cap)			kW			1.54		1.6		1.59		1.8		1.59	
	D Condition (12°C)	COPd (declared COP)						6.76		6.96		6.59		6.68		6.52	
		Power input			kW			0.23			0.24		0.27		0.24		
		Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0										
	Heating			PCK	kW	0											
	Off mode		Cooling	POFF	kW	12	0.012	12	0.012								
			Heating	POFF	kW	12	0.012	12	0.012								
Standby mode	Heating		PSB	kW	12	0.012	12	0.012									
	Cooling		PSB	kW	12	0.012	12	0.012									
Thermo-stat-off mode	Cooling		PTO	kW	4	0.004	4	0.004									
	Heating		PTO	kW	23	0.023	23	0.023									
Space heating (Warm climate)	TOL		Tol (temperature operating limit)			°C			2								
	TBivalent	Tbiv (bivalent temperature)			°C			2									
		Pdh (declared heating cap)			kW			1.89	2.26	2.32		2.42					
Space heating (Warm climate)	TBivalent	COPd (declared COP)						3.76	3.86	3.99	4.04	4.01					
		Power input			kW			0.5	0.59	0.58	0.57	0.6					
	B Condition (2°C)	Pdh (declared heating cap)			kW			1.89	2.26	2.32		2.42					
		COPd (declared COP)						3.76	3.86	3.99	4.04	4.01					
		Power input			kW			0.5	0.59	0.58	0.57	0.6					
	C Condition (7°C)	Pdh (declared heating cap)			kW			1.45	1.51	1.61							
		COPd (declared COP)						5.53	5.69	4.95	5.02	4.9					
		Power input			kW			0.26	0.27	0.33	0.32	0.33					
	D Condition (12°C)	Pdh (declared heating cap)			kW			1.54	1.6	1.59	1.8	1.59					
		COPd (declared COP)						6.76	6.96	6.59	6.68	6.52					
		Power input			kW			0.23			0.24	0.27	0.24				
	Cooling	Cdc (Degradation cooling)				0.25											
Heating	Cdh (Degradation heating)				0.25												
Cooling function included					Yes												
Heating function included					Yes												
Average climate included					Yes												
Cold season included					No												
Warm season included					No												
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	62			63				64					
		Cooling	Nom.	dB(A)	53	55			56								
	Piping length	Cooling	Measuring condition	m	5												

2 Specifications

2 - 1 Specifications

Technical specifications				FBA35A9 + RZAG35B	FBA50A9 + RZAG35B	FBA50A9 + RZAG50B	FBA60A9 + RZAG50B	FBA60A9 + RZAG60B	FBA71A9 + RZAG60B
Heating capacity	Min.		kW	1.4		1.7			
	Min.		Btu/h	4,780	4,800	5,800			
	Min.		kcal/h	1,200		1,460	1,500	1,460	1,500
	Nom.		kW	4		6		7	
	Nom.		Btu/h	13,700	13,600	20,500		23,900	
	Nom.		kcal/h	3,439		5,159		6,019	
	Max.		kW	5		6		7.5	
	Max.		Btu/h	17,000	17,100	20,500		25,590	25,600
	Max.		kcal/h	4,299		5,159		6,449	
Power input	Cooling	Nom.	kW	0.78	0.76	1.25	1.22	1.48	1.39
	Heating	Nom.	kW	0.91	0.9	1.58	1.51	2.06	1.81
Nominal efficiency	EER			4.5	4.62	4	4.11	4.05	4.31
	COP			4.4	4.44	3.8	3.97	3.8	3.87
	Annual energy consumption		kWh	389	379	625	608	741	696
	Energy labeling	Cooling Heating Directive		A				C	A
Space cooling	Energy efficiency class			A++					
	Capacity	Pdesign	kW	3.5		5		6	
	SEER			6.12	6.17	6.3	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	4.2		4.3		4.5	
	SCOP/A			4.1	4.14	4.1	4.28	4.1	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
	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
	Energy efficiency class			A++		A+++		A+++	
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.29	2.26	2.31	2.32	2.42	
	SCOP			4.95		5.16		4.99	5.02
	SCOPnet			5.09		5.08	5.3	5.12	5.15
	Annual energy consumption		kWh/a	648	639	653	629	678	676
	Required back up heating cap at design conditions		kW	0					
	A Condition (35°C - 27/19)	Pdc EERd	kW	4.5	4.62	4	4.11	4.05	4.31
Space cooling	Power input		kW	0.78	0.76	1.25	1.22	1.48	1.39
	B Condition (30°C - 27/19)	Pdc EERd	kW	2.58		3.68		4.42	
Space cooling	Power input		kW	0.42	0.4	0.66	0.63	0.85	
	C Condition (25°C - 27/19)	Pdc EERd	kW	1.99	1.87	2.37		2.85	2.84
	Power input		kW	8.14	8	8.12	8.65	7.65	7.76
	Power input		kW	0.24	0.23	0.29	0.27	0.37	
	D Condition (20°C - 27/19)	Pdc EERd	kW	1.92	1.85	1.92	1.88	1.93	1.92
	Power input		kW	9.76	9.52	9.7	10.29	9.25	9.41
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	0.2	0.19	0.2	0.18	0.21	0.2
	TBivalent	Tbiv (bivalent temperature)	°C	-10					
	Pdh (declared heating cap)		kW	3.73		3.71		3.8	
	COPd (declared COP)			3.04	3.14	3.03	3.2	3.01	3.14
	Power input		kW	1.23	1.18	1.25	1.19	1.32	1.27
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.73	3.71	3.8		3.98	
	COPd (declared COP)			3.04	3.11	3.03	3.2	3.01	3.14
	Power input		kW	1.23	1.19	1.25	1.19	1.32	1.27
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.29	2.26	2.31	2.32	2.42	
	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	0.6
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.56	1.45	1.56	1.49	1.57	1.56
	COPd (declared COP)			5.1	5.12	5.09	5.32	5.13	5.17
	Power input		kW	0.31	0.28	0.31	0.28	0.31	0.3
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.84	1.85	1.84	1.87	1.85	1.87
	COPd (declared COP)			6.26		6.53		6.29	6.31
	Power input		kW	0.29	0.3	0.29			0.3

2 Specifications

2 - 1 Specifications

2

Technical specifications					FBA35A9 + RZAG35B	FBA50A9 + RZAG35B	FBA50A9 + RZAG50B	FBA60A9 + RZAG50B	FBA60A9 + RZAG60B	FBA71A9 + RZAG60B
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0					
		Heating	PCK	kW	0					
	Off mode	Cooling	POFF	kW	12	0.012	12	0.012		
		Heating	POFF	kW	12	0.012	12	0.012		
	Standby mode	Heating	PSB	kW	12	0.012	12	0.012		
		Cooling	PSB	kW	12	0.012	12	0.012		
	Thermo-stat-off mode	Cooling	PTO	kW	4	0.004	4	0.004		
		Heating	PTO	kW	23	0.023	23	0.023		
Space heating (Warm climate)	TOL	Tol (temperature operating limit)			2					
	TBivalent	Tbiv (bivalent temperature)			2					
		Pdh (declared heating cap)			2.29	2.26	2.31	2.32	2.42	
Space heating (Warm climate)	TBivalent	COPd (declared COP)			3.98	4.01	3.98	4.14	3.97	4.04
		Power input			0.58	0.56	0.58	0.56	0.61	0.6
	B Condition (2°C)	Pdh (declared heating cap)			2.29	2.26	2.31	2.32	2.42	
		COPd (declared COP)			3.98	4.01	3.98	4.14	3.97	4.04
		Power input			0.58	0.56	0.58	0.56	0.61	0.6
	C Condition (7°C)	Pdh (declared heating cap)			1.56	1.45	1.56	1.49	1.57	1.56
		COPd (declared COP)			5.1	5.12	5.09	5.32	5.13	5.17
		Power input			0.31	0.28	0.31	0.28	0.31	0.3
	D Condition (12°C)	Pdh (declared heating cap)			1.84	1.85	1.84	1.87	1.85	1.87
		COPd (declared COP)			6.26			6.53	6.29	6.31
		Power input			0.29	0.3	0.29		0.3	
	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	60			56		
	Piping length	Cooling	Measuring condition	m	5					

Technical specifications				FTXM35A + RZAG35B		FTXM50A + RZAG35B		FTXM50A + RZAG50B		FTXM60A + RZAG50B		FTXM60A + RZAG60B		FTXM71A + RZAG60B		
Heating capacity	Min.		kW	1.4				1.5				1.6				
	Min.		Btu/h	4,800				5,100				5,500				
	Min.		kcal/h	1,204				1,290		1,300		1,380		1,400		
	Nom.		kW	4				6				7				
	Nom.		Btu/h	13,600				20,500				23,900				
	Nom.		kcal/h	3,439				5,159				6,019				
	Max.		kW	5.3				6.5				7.5				
	Max.		Btu/h	18,100				22,200				25,590		25,600		
	Max.		kcal/h	4,557				5,589				6,449				
Power input	Cooling	Nom.	kW	0.81				1.25		1.24		1.71				
	Heating	Nom.	kW	1.04		1.02		1.5		1.47		1.94		1.9		
Nominal efficiency	EER			4.3		4.32		4		4.04		3.5				
	COP			3.85		3.93		4		4.08		3.61		3.68		
	Annual energy consumption			kWh	407		405		625		619		857			
	Energy labeling Directive	Cooling		A												
		Heating		A												
Space cooling	Energy efficiency class			A++												
	Capacity	Pdesign	kW	3.5				5				6				
	SEER			7.7		7.76		7.41		7.53		6.9				
	Annual energy consumption			kWh/a	159		158		236		232		304			
Space heating (Average climate)	Energy efficiency class			A++												
	Capacity	Pdesign	kW	2.6				4.5				4.6		4.5		
	SCOP/A			4.6		4.68		4.6		4.69		4.35		4.4		
	SCOPnet/A			4.66		4.75		4.66		4.73		4.38		4.43		
	PdH Heating capacity at -10°			kW	2.04		1.98		3.49		3.89		4.02		3.95	
	Annual energy consumption			kWh/a	792		777		1,369		1,344		1,480		1,433	
	Required back up heating cap at design conditions			kW	0.56		0.62		1.01		0.61		0.58		0.55	

2 Specifications

2 - 1 Specifications

Technical specifications				FTXM35A + RZAG35B	FTXM50A + RZAG35B	FTXM50A + RZAG50B	FTXM60A + RZAG50B	FTXM60A + RZAG60B	FTXM71A + RZAG60B	
Space heating (Warm climate)	Energy efficiency class			A+++						
	Capacity	Pdesignh	kW	1.4		2.44	2.42	2.48		
	SCOP			5.59	5.5	5.89	6.16	5.84	5.9	
	SCOPnet			5.76	5.67	6	6.27	5.94	6	
	Annual energy consumption		kWh/a	351	356	580	550	595	589	
	Required back up heating cap at design conditions		kW	0						
Space cooling	A Condition	Pdc	kW	3.5		5		6		
	(35°C - 27/19)	EERd		4.3	4.32	4	4.04	3.5		
Space cooling		Power input	kW	0.81		1.25	1.24	1.71		
	B Condition	Pdc	kW	2.58		3.69	3.68	4.42		
	(30°C - 27/19)	EERd		6.09	6.15	5.38	5.49	4.82		
		Power input	kW	0.42		0.69	0.67	0.92		
	C Condition	Pdc	kW	1.8		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	1.88	1.89	2.06	2.1			
	(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)		-10						
	TBivalent	Tbiv (bivalent temperature)		-7						
		Pdh (declared heating cap)		2.31		3.99	3.98	4.07		
		COPd (declared COP)		3	3.25	3	3.06	2.74	2.77	
		Power input		0.77	0.71	1.33	1.3	1.49	1.47	
	A Condition (-7°C)	Pdh (declared heating cap)		2.31		3.99	3.98	4.07		
		COPd (declared COP)		3	3.25	3	3.06	2.74	2.77	
		Power input		0.77	0.71	1.33	1.3	1.49	1.47	
	B Condition (2°C)	Pdh (declared heating cap)		1.4		2.44	2.42	2.48		
		COPd (declared COP)		4.73	4.88	4.6	4.58	4.27	4.31	
		Power input		0.3	0.29	0.53		0.58		
	C Condition (7°C)	Pdh (declared heating cap)		1.31	1.39	1.56		1.59		
		COPd (declared COP)		6.12	5.92	5.85	6.12	5.71	5.77	
		Power input		0.21	0.23	0.27	0.25	0.28		
	D Condition (12°C)	Pdh (declared heating cap)		1.54	1.6			1.67		
		COPd (declared COP)		7.4	7.41	7.84		7.5	7.58	
		Power input		0.21	0.22	0.21		0.22		
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0					
		Heating	PCK	kW	0					
	Off mode	Cooling	POFF	kW	1				0.001	1
		Heating	POFF	kW	1				0.001	1
	Standby mode	Heating	PSB	kW	1				0.001	1
		Cooling	PSB	kW	1				0.001	1
	Thermo-stat-off mode	Cooling	PTO	kW	12				0.012	12
		Heating	PTO	kW	14			13	0.013	13
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		2						
	TBivalent	Tbiv (bivalent temperature)		2						
		Pdh (declared heating cap)		1.4		2.44	2.42	2.48		
Space heating (Warm climate)	TBivalent	COPd (declared COP)		4.73	4.88	4.6	4.58	4.27	4.31	
		Power input		0.3	0.29	0.53		0.58		
	B Condition (2°C)	Pdh (declared heating cap)		1.4		2.44	2.42	2.48		
		COPd (declared COP)		4.73	4.88	4.6	4.58	4.27	4.31	
		Power input		0.3	0.29	0.53		0.58		
	C Condition (7°C)	Pdh (declared heating cap)		1.31	1.39	1.56		1.59		
		COPd (declared COP)		6.12	5.92	5.85	6.12	5.71	5.77	
		Power input		0.21	0.23	0.27	0.25	0.28		
	D Condition (12°C)	Pdh (declared heating cap)		1.54	1.6	1.67				
		COPd (declared COP)		7.4	7.41	7.84		7.5	7.58	
	Power input		0.21	0.22	0.21		0.22			
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					FTXM35A + RZAG35B	FTXM50A + RZAG35B	FTXM50A + RZAG50B	FTXM60A + RZAG50B	FTXM60A + RZAG60B	FTXM71A + RZAG60B
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					

Technical specifications					FHA35A9 + RZAG35B	FHA50A9 + RZAG35B	FHA50A9 + RZAG50B	FHA60A9 + RZAG50B	FHA60A9 + RZAG60B	FHA71A9 + RZAG60B
Heating capacity	Min.			kW	1.4		1.7			
	Min.			Btu/h	4,780	4,800	5,800			
	Min.			kcal/h	1,200		1,460	1,500	1,460	1,500
	Nom.			kW	4		5.8	6	7	
	Nom.			Btu/h	13,700	13,600	19,800	20,500	23,900	
	Nom.			kcal/h	3,439		4,987	5,159	6,019	
	Max.			kW	5.5		6.5		7.5	
	Max.			Btu/h	18,800		22,200		25,590	25,600
	Max.			kcal/h	4,729		5,589		6,449	
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	1.6	2.06	1.99
Nominal efficiency	EER				4.6	5.05	4.1	4.24	3.9	4.35
	COP				4.1	4.18	3.71	3.75	3.4	3.52
	Annual energy consumption				kWh	380	347	610	590	769
	Energy labeling Directive	Cooling	Heating		A				C	B
Space cooling	Energy efficiency class				A++					
	Capacity	Pdesign		kW	3.5		5		6	
	SEER				6.4	6.65	6.8	7.02	6.6	6.81
	Annual energy consumption				kWh/a	191	184	257	249	318
Space heating (Average climate)	Energy efficiency class				A+					
	Capacity	Pdesign		kW	3.1		4		4.6	
	SCOP/A				4.1	4.18	4.3	4.44	4.2	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
	Required back up heating cap at design conditions				kW	0.35	0.33	0.54	0.52	0.97
Space heating (Warm climate)	Energy efficiency class				A+++					
	Capacity	Pdesignh		kW	1.76	1.74	2.15		2.48	
	SCOP				5.11	5.2	5.48	5.5	5.54	5.59
	SCOPnet				5.3	5.4	5.66	5.68	5.7	5.75
	Annual energy consumption				kWh/a	482	468	549	547	626
	Required back up heating cap at design conditions				kW	0				
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	3.5		5		6	
		EERd			4.6	5.05	4.1	4.24	3.9	4.35
		Power input		kW	0.76	0.69	1.22	1.18	1.54	1.38
Space cooling	B Condition (30°C - 27/19)	Pdc		kW	2.58		3.68		4.42	
		EERd			6.47	6.72	6.29	6.6	5.55	5.74
		Power input		kW	0.41	0.38	0.59	0.56	0.8	0.77
	C Condition (25°C - 27/19)	Pdc		kW	2.46	2.21	2.46	2.54	2.85	2.84
		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 (20°C - 27/19)	Pdc		kW	2.05	2.17	2.1	2.2	2.12	2.26
		EERd			11.3	11.5	11.19	11.49	10.98	11.15
		Power input		kW	0.18		0.19			0.2

2 Specifications

2 - 1 Specifications

Technical specifications					FHA35A9 + RZAG35B	FHA50A9 + RZAG35B	FHA50A9 + RZAG50B	FHA60A9 + RZAG50B	FHA60A9 + RZAG60B	FHA71A9 + RZAG60B
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-10					
	TBivalent	Tbiv (bivalent temperature)		°C	-7					
		Pdh (declared heating cap)		kW	2.74		3.54		4.07	
		COPd (declared COP)			2.9	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)			2.9	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	4.08	4.17	4.35	4.07	4.14
		Power input		kW	0.44	0.43	0.52	0.49	0.61	0.6
	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	5.7	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	1.8	1.79	1.8	1.78	1.81
		COPd (declared COP)			6.86	7.03	7.18	7.02	7.06	7.09
		Power input		kW	0.26		0.25	0.26	0.25	0.26
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0					
		Heating	PCK	kW	0					
	Off mode	Cooling	POFF	kW	12	0.012	12	0.012		
		Heating	POFF	kW	12	0.012	12	0.012		
	Standby mode	Heating	PSB	kW	12	0.012	12	0.012		
		Cooling	PSB	kW	12	0.012	12	0.012		
	Thermo-stat-off mode	Cooling	PTO	kW	4	0.004	4	0.004		
		Heating	PTO	kW	23	0.023	23	0.023		
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	2					
	TBivalent	Tbiv (bivalent temperature)		°C	2					
		Pdh (declared heating cap)		kW	1.76	1.74	2.15		2.48	
Space heating (Warm climate)	TBivalent	COPd (declared COP)			4	4.08	4.17	4.35	4.07	4.14
		Power input		kW	0.44	0.43	0.52	0.49	0.61	0.6
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.76	1.74	2.15		2.48	
		COPd (declared COP)			4	4.08	4.17	4.35	4.07	4.14
		Power input		kW	0.44	0.43	0.52	0.49	0.61	0.6
	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	5.7	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	1.8	1.79	1.8	1.78	1.81
		COPd (declared COP)			6.86	7.03	7.18	7.02	7.06	7.09
		Power input		kW	0.26		0.25	0.26	0.25	0.26
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	54				55
	Piping length	Cooling	Measuring condition	m	5					

Technical specifications				FNA35A9 + RZAG35B		FNA50A9 + RZAG35B		FNA50A9 + RZAG50B		FNA60A9 + RZAG50B		FNA60A9 + RZAG60B	
Heating capacity	Min.		kW	1.4				1.7					
	Min.		Btu/h	4,780		4,800				5,800			
	Min.		kcal/h	1,200				1,460		1,500		1,460	
	Nom.		kW	4				5				7	
	Nom.		Btu/h	13,700		13,600		17,100				23,900	
	Nom.		kcal/h	3,439				4,299				6,019	
	Max.		kW	5				6				7.5	
	Max.		Btu/h	17,000		17,100		20,500				25,590	
	Max.		kcal/h	4,299				5,159				6,449	
Power input	Cooling	Nom.	kW	0.9		0.86		1.32		1.26		1.76	
	Heating	Nom.	kW	1.14		1.1		1.47		1.45		2.12	

2 Specifications

2 - 1 Specifications

Technical specifications				FNA35A9 + RZAG35B		FNA50A9 + RZAG35B		FNA50A9 + RZAG50B		FNA60A9 + RZAG50B		FNA60A9 + RZAG60B		
Nominal efficiency	EER			3.9		4.05		3.8		3.98		3.4		
	COP			3.5		3.63		3.4		3.44		3.3		
	Annual energy consumption		kWh	449		432		658		628		882		
	Energy labeling	Cooling						A						
		Heating Directive		B		A		C		B		C		
Space cooling	Energy efficiency class			A+										
	Capacity	Pdesign	kW	3.5			5			6				
	SEER			5.9		6.08		5.9		5.98		5.7		
	Annual energy consumption		kWh/a	208		201		297		293		368		
Space heating (Average climate)	Energy efficiency class			A		A+		A						
	Capacity	Pdesign	kW	3.5		4.2		4.3			4.5			
	SCOP/A			3.9		4.05		3.9		3.94		3.9		
	SCOPnet/A			3.94		4.09		3.94		3.97		3.93		
	Pdh Heating capacity at -10°		kW	2.99		3.49		3.62		3.63		3.82		
	Annual energy consumption		kWh/a	1,255		1,452		1,542		1,528		1,616		
	Required back up heating cap at design conditions		kW	0.51		0.71		0.68		0.67		0.68		
	Space heating (Warm climate)	Energy efficiency class			A+++				A++		A+++		A++	
Capacity		Pdesignh	kW	1.89		2.26		2.32			2.42			
SCOP			5.17		5.48		5.02		5.1		5.04			
SCOPnet			5.35		5.65		5.16		5.24		5.17			
Annual energy consumption		kWh/a	512		577		647		637		673			
Required back up heating cap at design conditions			kW		0									
Space cooling		A Condition	Pdc	kW	3.5			5			6			
	(35°C - 27/19) EERd			3.9		4.05		3.8		3.98		3.4		
	Power input		kW	0.9		0.86		1.32		1.26		1.76		
Space cooling	B Condition	Pdc	kW	2.58			3.68			4.42				
	(30°C - 27/19) EERd			5.52		5.79		5.12		5.2		4.68		
	Power input		kW	0.47		0.45		0.72		0.71		0.94		
	C Condition	Pdc	kW	2		2.06		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				
	Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C		-10							
TBivalent		Tbiv (bivalent temperature)		°C		-7								
		Pdh (declared heating cap)	kW	3.1		3.72		3.8			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		Pdh (declared heating cap)	kW	3.1		3.72		3.8			3.98			
(-7°C) 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		Pdh (declared heating cap)	kW	1.89		2.26		2.32			2.42			
(2°C) COPd (declared COP)			3.76		3.85		4.02		4.03		4.01			
Power input		kW	0.5		0.59		0.58			0.6				
C Condition		Pdh (declared heating cap)	kW	1.45		1.51		1.61						
(7°C) COPd (declared COP)			5.53		5.69		4.9		5.02		4.9			
Power input		kW	0.26		0.27		0.33		0.32		0.33			
D Condition		Pdh (declared heating cap)	kW	1.54		1.6		1.59		1.8		1.59		
(12°C) COPd (declared COP)			6.76		6.97		6.53		6.7		6.52			
Power input		kW	0.23			0.24		0.27		0.24				
Power consumption in other than active mode		Crankcase heater mode	Cooling	PCK	kW		0							
			Heating	PCK	kW		0							
		Off mode	Cooling	POFF	kW		12		0.012		12		0.012	
	Heating		POFF	kW		12		0.012		12		0.012		
	Standby mode	Heating	PSB	kW		12		0.012		12		0.012		
		Cooling	PSB	kW		12		0.012		12		0.012		
	Thermo-stat-off mode	Cooling	PTO	kW		4		0.004		4		0.004		
		Heating	PTO	kW		23		0.023		23		0.023		
	Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C		2							
		TBivalent	Tbiv (bivalent temperature)		°C		2							
		Pdh (declared heating cap)	kW	1.89		2.26		2.32		2.42				

2 Specifications

2 - 1 Specifications

Technical specifications					FNA35A9 + RZAG35B		FNA50A9 + RZAG35B		FNA50A9 + RZAG50B		FNA60A9 + RZAG50B		FNA60A9 + RZAG60B	
Space heating (Warm climate)	TBivalent	COPd (declared COP)			3.76		3.85		4.02		4.03		4.01	
		Power input kW			0.5		0.59		0.58				0.6	
	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	
	C Condition (7°C)	Power input kW			0.5		0.59		0.58				0.6	
		Pdh (declared heating cap) kW			1.45		1.51		1.61					
	D Condition (12°C)	COPd (declared COP)			5.53		5.69		4.9		5.02		4.9	
		Power input kW			0.26		0.27		0.33		0.32		0.33	
		Pdh (declared heating cap) kW			1.54		1.6		1.59		1.8		1.59	
		COPd (declared COP)			6.76		6.97		6.53		6.7		6.52	
		Power input kW			0.23				0.24		0.27		0.24	
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			
	Sound power level indoor	Cooling	Nom.	dB(A)	53		56							
	Piping length	Cooling	Measuring condition	m	5									

3 Electrical data

3 - 1 Electrical Data

RZAG35B

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG35B5V1B	FDXM35F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,41	16	41	4,9	0,074	0,89	0,034	0,30
		50	230					4,7				
		50	240					4,5				
RZAG35B5V1B	FFA35A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,30	16	38	4,6	0,074	0,89	0,050	0,20
		50	230					4,4				
		50	240					4,2				
RZAG35B5V1B	FBA35A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,62	16	33	3,4	0,074	0,89	0,089	1,40
		50	230					3,3				
		50	240					3,2				
RZAG35B5V1B	FCAG35BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,41	16	37	4,3	0,074	0,89	0,048	0,30
		50	230					4,1				
		50	240					3,9				
RZAG35B5V1B	FNA35A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,63	16	41	4,9	0,074	0,89	0,034	0,50
		50	230					4,7				
		50	240					4,5				
RZAG35B5V1B	FHA35AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,74	16	36	3,8	0,074	0,89	0,090	0,60
		50	230					3,6				
		50	240					3,5				
RZAG35B5V1B	FDXM50F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,07	16	41	4,8	0,074	0,89	0,060	0,90
		50	230					4,6				
		50	240					4,4				
RZAG35B5V1B	FFA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,52	16	38	4,6	0,074	0,89	0,050	0,40
		50	230					4,4				
		50	240					4,2				
RZAG35B5V1B	FBA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,62	16	33	3,4	0,074	0,89	0,089	1,40
		50	230					3,3				
		50	240					3,2				
RZAG35B5V1B	FCAG50BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,41	16	37	4,3	0,074	0,89	0,048	0,30
		50	230					4,1				
		50	240					3,9				
RZAG35B5V1B	FNA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,63	16	41	4,8	0,074	0,89	0,060	0,50
		50	230					4,6				
		50	240					4,4				
RZAG35B5V1B	FHA50AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,74	16	36	3,8	0,074	0,89	0,090	0,60
		50	230					3,6				
		50	240					3,5				
RZAG35B5V1B	FTXM35R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,41	16	40	5,1	0,074	0,89	0,030	0,30
		50	230					4,9				
		50	240					4,7				
RZAG35B5V1B	FTXM35R5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,41	16	40	5,1	0,074	0,89	0,030	0,30
		50	230					4,9				
		50	240					4,7				
RZAG35B5V1B	FTXM50R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,74	16	40	5,0	0,074	0,89	0,046	0,60
		50	230					4,8				
		50	240					4,6				
RZAG35B5V1B	FTXM35A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,42	16	39	4,1	0,074	0,89	0,033	0,31
		50	230					3,9				
		50	240					3,7				
RZAG35B5V1B	FTXM35A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,42	16	39	4,1	0,074	0,89	0,033	0,31
		50	230					3,9				
		50	240					3,7				
RZAG35B5V1B	FTXM50A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,47	16	39	4,1	0,074	0,89	0,040	0,36
		50	230					3,9				
		50	240					3,7				
RZAG35B5V1B	FTXM50A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,47	16	39	4,1	0,074	0,89	0,040	0,36
		50	230					3,9				
		50	240					3,7				

Symbols

MCA: Minimum Circuit Amperes [A]
MFA: Maximum Fuse Amperes [A]
COMP: Compressor
RHz: Rated operating frequency [Hz]
RLA: Rated Load Amperes [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
kW: Fan motor rated output [kW]
FLA: Full Load Amperes [A]
MAX.: Maximum
MIN.: Minimum

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.

4D151788

3 Electrical data

3 - 1 Electrical Data

RZAG50B

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG50B5V1B	FDXM50F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,07	16	57	5,4	0,074	0,89	0,060	0,90
		50	230					5,2				
		50	240					5,0				
RZAG50B5V1B	FFA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,52	16	62	5,5	0,074	0,89	0,050	0,40
		50	230					5,2				
		50	240					5,0				
RZAG50B5V1B	FBA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,62	16	53	6,8	0,074	0,89	0,089	1,40
		50	230					6,5				
		50	240					6,2				
RZAG50B5V1B	FCAG50BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,41	16	56	7,3	0,074	0,89	0,048	0,30
		50	230					7,0				
		50	240					6,7				
RZAG50B5V1B	FNA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,63	16	57	5,4	0,074	0,89	0,060	0,50
		50	230					5,2				
		50	240					5,0				
RZAG50B5V1B	FHA50AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,74	16	52	5,0	0,074	0,89	0,090	0,60
		50	230					4,8				
		50	240					4,6				
RZAG50B5V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,07	16	57	5,4	0,074	0,89	0,060	0,90
		50	230					5,2				
		50	240					5,0				
RZAG50B5V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,74	16	62	5,5	0,074	0,89	0,050	0,60
		50	230					5,2				
		50	240					5,0				
RZAG50B5V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,51	16	53	6,9	0,074	0,89	0,070	1,30
		50	230					6,6				
		50	240					6,3				
RZAG50B5V1B	FCAG60BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,41	16	56	7,3	0,074	0,89	0,048	0,30
		50	230					7,0				
		50	240					6,7				
RZAG50B5V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,74	16	57	5,4	0,074	0,89	0,060	0,60
		50	230					5,2				
		50	240					5,0				
RZAG50B5V1B	FHA60AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,74	16	52	5,0	0,074	0,89	0,091	0,60
		50	230					4,8				
		50	240					4,6				
RZAG50B5V1B	FTXM50R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,74	16	54	6,5	0,074	0,89	0,046	0,60
		50	230					6,2				
		50	240					5,9				
RZAG50B5V1B	FTXM60R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,74	16	54	6,5	0,074	0,89	0,046	0,60
		50	230					6,2				
		50	240					5,9				
RZAG50B5V1B	FTXM50A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,47	16	58	6,0	0,074	0,89	0,040	0,36
		50	230					5,7				
		50	240					5,5				
RZAG50B5V1B	FTXM50A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,47	16	58	6,0	0,074	0,89	0,040	0,36
		50	230					5,7				
		50	240					5,5				
RZAG50B5V1B	FTXM60A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,74	16	58	6,0	0,074	0,89	0,046	0,60
		50	230					5,7				
		50	240					5,5				

Symbols

Notes

MCA: Minimum Circuit Amperes [A]
MFA: Maximum Fuse Amperes [A]
COMP: Compressor
RHz: Rated operating frequency [Hz]
RLA: Rated Load Amperes [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
kW: Fan motor rated output [kW]
FLA: Full Load Amperes [A]
MAX.: Maximum
MIN.: Minimum

- 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.

4D151789

3 Electrical data

3 - 1 Electrical Data

RZAG60B

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG60B5V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,72	16	70	7,3	0,074	0,89	0,060	0,90
		50	230					6,9				
		50	240					6,7				
RZAG60B5V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,39	16	70	9,0	0,074	0,89	0,050	0,60
		50	230					8,6				
		50	240					8,2				
RZAG60B5V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,16	20	65	7,0	0,074	0,89	0,070	1,30
		50	230					6,7				
		50	240					6,4				
RZAG60B5V1B	FCAG60BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,06	16	72	7,5	0,074	0,89	0,048	0,30
		50	230					7,2				
		50	240					6,9				
RZAG60B5V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,39	16	70	9,0	0,074	0,89	0,060	0,60
		50	230					8,6				
		50	240					8,3				
RZAG60B5V1B	FHA60AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,39	16	67	8,1	0,074	0,89	0,091	0,60
		50	230					7,7				
		50	240					7,4				
RZAG60B5V1B	FBA71A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,16	20	65	8,9	0,074	0,89	0,070	1,30
		50	230					8,5				
		50	240					8,1				
RZAG60B5V1B	FCAG71BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,06	16	72	7,5	0,074	0,89	0,054	0,30
		50	230					7,2				
		50	240					6,9				
RZAG60B5V1B	FHA71AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,61	16	67	8,1	0,074	0,89	0,110	0,80
		50	230					7,7				
		50	240					7,4				
RZAG60B5V1B	FTXM60R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,39	16	71	8,4	0,074	0,89	0,046	0,60
		50	230					8,1				
		50	240					7,7				
RZAG60B5V1B	FTXM71R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,39	16	71	8,4	0,074	0,89	0,052	0,60
		50	230					8,0				
		50	240					7,7				
RZAG60B5V1B	FTXM60A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,39	16	71	8,4	0,074	0,89	0,046	0,60
		50	230					8,1				
		50	240					7,7				
RZAG60B5V1B	FTXM71A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,39	16	71	8,4	0,074	0,89	0,052	0,60
		50	230					8,0				
		50	240					7,7				

Symbols

MCA: Minimum Circuit Amperes [A]
MFA: Maximum Fuse Amperes [A]
COMP: Compressor
RHz: Rated operating frequency [Hz]
RLA: Rated Load Amperes [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
kW: Fan motor rated output [kW]
FLA: Full Load Amperes [A]
MAX.: Maximum
MIN.: Minimum

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.

4D151790

4 Options

4 - 1 Options

RZAG35B

RZAG60B

4

Option kit	Description	Product name	
		RZAG35B5V1B	RZAG60B5V1B
ASYCPIR	Asymmetric combinations piping reducer	✓	✓

4D152000

5 Capacity tables

5 - 1 Cooling Capacity Tables

FCAG50B / RZAG35B

FCAG50BVEB + RZAG35B5V1B

Performance characteristics for -EDP- room

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	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				
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	2,64	2,64	0,52	2,64	2,64	0,59	2,64	2,64	0,66	2,64	2,64	0,74	2,64	2,64	0,81	2,64	2,64	0,88	2,64	2,64	0,95	2,64	2,64	1,02			
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	3,51	2,61	0,59	3,34	2,52	0,64	3,18	2,44	0,70	3,02	2,36	0,76	2,85	2,29	0,81	2,63	2,63	0,88	2,63	2,63	0,95	2,63	2,63	1,02			
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	2,63	2,63	0,52	2,63	2,63	0,59	2,63	2,63	0,66	2,63	2,63	0,73	2,63	2,63	0,80	2,63	2,63	0,87	2,63	2,63	0,94	2,63	2,63	1,01			
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	3,51	3,02	0,59	3,34	2,94	0,64	3,18	2,86	0,70	3,02	2,78	0,76	2,85	2,70	0,81	2,63	2,63	0,88	2,63	2,63	0,95	2,63	2,63	1,02			
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	3,59	2,79	0,59	3,42	2,71	0,64	3,26	2,64	0,70	3,10	2,56	0,76	2,93	2,48	0,81	2,63	2,63	0,88	2,63	2,63	0,95	2,63	2,63	1,02			
22,9	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	2,62	2,62	0,52	2,62	2,62	0,59	2,62	2,62	0,66	2,62	2,62	0,73	2,62	2,62	0,80	2,62	2,62	0,87	2,62	2,62	0,94	2,62	2,62	1,01			
34,8	13	22	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	3,51	3,44	0,59	3,34	3,34	0,64	3,18	3,18	0,70	3,02	3,02	0,76	2,85	2,85	0,81	2,63	2,63	0,88	2,63	2,63	0,95	2,63	2,63	1,02			
47,6	15		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	0,42	3,67	2,98	0,48	3,67	2,98	0,53	3,67	2,98	0,59	3,50	2,90	0,65	3,34	2,83	0,70	3,18	2,75	0,76	3,01	2,68	0,82	2,63	2,63	0,88	2,63	2,63	0,95	2,63	2,63	1,02
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	0,48	3,75	2,75	0,48	3,58	2,67	0,65	3,42	2,60	0,70	3,26	2,53	0,76	3,10	2,45	0,82	2,63	2,63	0,88	2,63	2,63	0,95	2,63	2,63	1,02			
21,2	12	24	3,11	3,11	0,22	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	3,11	3,11	0,56	3,11	3,11	0,63	3,10	3,10	0,70	2,94	2,94	0,75	2,77	2,77	0,81	2,63	2,63	0,88	2,63	2,63	0,95	2,63	2,63	1,02			
32,1	14		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	3,59	3,59	0,59	3,42	3,42	0,64	3,26	3,26	0,70	3,10	3,10	0,76	2,93	2,93	0,81	2,63	2,63	0,88	2,63	2,63	0,95	2,63	2,63	1,02			
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	0,48	3,75	3,16	0,48	3,58	3,09	0,65	3,42	3,01	0,70	3,26	2,94	0,76	3,10	2,87	0,82	2,63	2,63	0,88	2,63	2,63	0,95	2,63	2,63	1,02			
50	17	27	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	0,48	3,83	2,93	0,48	3,66	2,85	0,65	3,50	2,78	0,71	3,34	2,71	0,76	3,18	2,64	0,82	2,63	2,63	0,88	2,63	2,63	0,95	2,63	2,63	1,02			
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	3,59	3,59	0,59	3,42	3,42	0,64	3,26	3,26	0,70	3,10	3,10	0,76	2,93	2,93	0,81	2,63	2,63	0,88	2,63	2,63	0,95	2,63	2,63	1,02			
26,3	15		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	0,48	3,67	3,67	0,53	3,67	3,67	0,59	3,50	3,50	0,65	3,34	3,34	0,70	3,18	3,18	0,76	3,01	3,01	0,82	2,63	2,63	0,88	2,63	2,63	0,95	2,63	2,63	1,02
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	0,48	3,75	3,75	0,48	3,58	3,58	0,65	3,42	3,42	0,70	3,26	3,26	0,76	3,10	3,10	0,82	2,63	2,63	0,88	2,63	2,63	0,95	2,63	2,63	1,02				

Symbols

RH: Relative humidity [%]
 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.
- 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

4D151947

FCAG60B / RZAG50B

FCAG60BVEB + RZAG50B5V1B

Performance characteristics for -EDP- room

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	TC	SHC	PI			
%	°C	°C	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW			
41.8	11	18	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	0.61	2.93	2.93	0.71	2.93	2.93	0.82	2.93	2.93	0.94	2.93	2.93	1.06	2.93	2.93	1.19	2.93	2.93	1.32	2.93	2.93	1.45			
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	0.74	4.07	2.99	0.85	4.07	2.99	0.97	4.07	2.99	1.09	4.07	2.99	1.21	4.07	2.99	1.33	4.07	2.99	1.46	4.07	2.99	1.59			
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	0.61	2.93	2.93	0.71	2.93	2.93	0.82	2.93	2.93	0.94	2.93	2.93	1.06	2.93	2.93	1.19	2.93	2.93	1.32	2.93	2.93	1.45			
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	0.74	4.06	3.44	0.85	4.06	3.44	0.97	4.06	3.44	1.09	4.06	3.44	1.21	4.06	3.44	1.33	4.06	3.44	1.46	4.06	3.44	1.59			
52	14		4.66	3.44	0.37	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	0.80	4.66	3.44	0.91	4.66	3.44	1.03	4.66	3.44	1.15	4.66	3.44	1.27	4.66	3.44	1.39	4.66	3.44	1.52	4.66	3.44	1.64			
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	0.61	2.92	2.92	0.71	2.92	2.92	0.82	2.92	2.92	0.94	2.92	2.92	1.06	2.92	2.92	1.19	2.92	2.92	1.32	2.92	2.92	1.45			
34.8	13		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	0.48	4.05	3.90	0.53	4.05	3.90	0.63	4.05	3.90	0.74	4.05	3.90	0.85	4.05	3.90	0.97	4.05	3.90	1.09	4.05	3.90	1.21	4.05	3.90	1.33	4.05	3.90	1.46	4.05	3.90	1.59			
47.6	15		5.24	3.88	0.40	5.24	3.88	0.44	5.24	3.88	0.48	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	0.85	5.24	3.88	0.97	5.24	3.88	1.09	5.24	3.88	1.21	5.24	3.88	1.33	5.24	3.88	1.46	5.24	3.88	1.59	5.24	3.88	1.72			
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	0.88	5.35	3.61	0.97	5.12	3.50	1.06	4.89	3.39	1.15	4.65	3.28	1.25	4.42	3.17	4.19	3.13	3.90	3.02	3.77					
71.2	12		3.46	4.35	0.30	3.46	4.35	0.33	3.46	4.35	0.36	3.46	4.35	0.40	3.46	4.35	0.44	3.46	4.35	0.48	3.46	4.35	0.57	3.46	4.35	0.67	3.46	4.35	0.78	3.46	4.35	0.90	3.46	4.35	1.01	3.46	4.35	1.14	3.46	4.35	1.26	3.46	4.35	1.39	3.46	4.35	1.52			
31.2	14		4.64	4.35	0.37	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	0.80	4.64	4.35	0.91	4.64	4.35	1.03	4.64	4.35	1.15	4.64	4.35	1.27	4.64	4.35	1.39	4.64	4.35	1.52	4.64	4.35	1.64			
43.8	16		5.35	4.08	0.43	5.35	4.08	0.48	5.35	4.08	0.53	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	0.88	5.35	4.08	0.97	5.12	3.96	1.06	4.89	3.85	1.15	4.65	3.74	1.25	4.42	3.63	1.34	4.19	3.42	3.90	3.02	3.77				
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	0.85	5.47	3.81	0.97	5.47	3.81	1.08	5.47	3.81	1.20	5.47	3.81	1.32	5.47	3.81	1.44	5.47	3.81	1.56	5.47	3.81	1.69	5.47	3.81	1.81			
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	0.68	4.62	4.62	0.80	4.62	4.62	0.91	4.62	4.62	1.03	4.62	4.62	1.15	4.62	4.62	1.27	4.62	4.62	1.39	4.62	4.62	1.52	4.62	4.62	1.64			
26.3	15		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	0.85	5.24	5.04	0.97	5.24	5.04	1.09	5.24	5.04	1.21	5.24	5.04	1.33	5.24	5.04	1.46	5.24	5.04	1.59	5.24	5.04	1.72			
31.3	16		5.35	4.77	0.43	5.35	4.77	0.48	5.35	4.77	0.53	5.35	4.77	0.57	5.35	4.77	0.63	5.35	4.77	0.68	5.35	4.77	0.78	5.35	4.77	0.88	5.35	4.77	0.97	5.12	4.66	1.06	4.89	4.54	1.15	4.65	4.43	1.25	4.42	4.31	1.34	4.19	4.08	4.01	3.90	3.02	3.77			

5 Capacity tables

5 - 1 Cooling Capacity Tables

FCAG71B / RZAG60B

FCAG71BVEB + RZAG60B5V1B

Performance characteristics for ·EDP· room

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	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW						
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	3.40	3.40	1.56	3.40	3.40	1.67	3.40	3.40	1.67						
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	4.72	3.46	1.56	4.72	3.46	1.68	4.72	3.46	1.68						
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	3.39	3.39	1.56	3.39	3.39	1.67	3.39	3.39	1.67						
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	4.71	3.99	1.56	4.71	3.99	1.68	4.71	3.99	1.68						
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	5.31	3.94	1.57	5.03	3.80	1.68	5.40	3.99	1.68						
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	3.38	3.38	1.56	3.38	3.38	1.67	3.38	3.38	1.67						
34.8	13	22	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	4.69	4.52	1.56	4.69	4.52	1.68	4.69	4.52	1.68						
47.6	15		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	1.45	5.45	4.19	1.57	5.17	4.05	1.69	6.11	4.52	1.69						
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	1.46	5.59	3.89	1.57	5.31	3.76	1.69	6.42	4.30	1.69						
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	1.09	4.01	4.01	1.21	4.01	4.01	1.33	4.01	4.01	1.44	4.01	4.01	1.56	4.01	4.01	1.68	4.01	4.01	1.68						
32.1	14	24	5.38	5.05	0.51	5.38	5.05	0.57	5.38	5.05	0.62	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	5.31	5.01	1.57	5.03	4.87	1.68	5.38	5.05	1.68						
43.8	16		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	1.46	5.59	4.43	1.57	5.31	4.29	1.69	6.42	4.83	1.69						
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	1.46	5.72	4.13	1.58	5.44	4.00	1.69	6.56	4.52	1.69						
21.5	14		5.36	5.36	0.51	5.36	5.36	0.57	5.36	5.36	0.62	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	1.45	5.31	5.31	1.57	5.03	5.03	1.68	5.36	5.36	1.68						
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	1.45	5.45	5.45	1.57	5.17	5.17	1.69	6.08	5.84	1.69						
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	1.46	5.59	5.23	1.57	5.31	5.10	1.69	6.42	5.64	1.69						

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

4D151949

FFA50A9 / RZAG35B

FFA50A2VEB9 + RZAG35B5V1B

Performance characteristics for ·EDP· room

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	TC	SHC	PI			
%	°C	°C	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW			
41.8	11	18	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	2.82	2.82	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	3.51	2.67	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	2.81	2.81	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	3.51	3.11	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	0.49	3.59	2.87	0.53	3.59	2.87	0.60	3.59	2.87	0.67	3.59	2.87	0.74	3.42	2.79	0.80	3.26	2.71	0.86	3.10	2.64	0.92	2.93	2.56	0.87	3.59	2.87	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	2.81	2.81	0.87						
34.8	13		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	3.51	3.51	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	0.52	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	3.67	3.07	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	0.57	3.75	2.82	0.64	3.58	2.75	0.70	3.42	2.67	0.76	3.26	2.60	0.82	3.10	2.53	0.88	3.75	2.82	0.88						
21.2	12		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	2.94	2.94	0.81	2.77	2.77	0.87	3.33	3.33	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	0.49	3.59	3.59	0.53	3.59	3.59	0.60	3.59	3.59	0.67	3.59	3.59	0.74	3.42	3.42	0.69	3.26	3.26	0.75	3.10	3.10	0.81	2.93	2.93	0.87	3.59	3.59	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	0.57	3.75	3.26	0.64	3.58	3.19	0.70	3.42	3.12	0.76	3.26	3.05	0.83	2.93	2.93	0.88	3.75	3.26	0.88						
50	17		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	0.58	3.83	3.01	0.64	3.66	2.94	0.70	3.50	3.27	0.76	3.34	3.18	0.82	3.18	2.74	0.88	3.83	3.01	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	0.49	3.59	3.59	0.53	3.59	3.59	0.60	3.59	3.59	0.67	3.59	3.59	0.74	3.42	3.42	0.69	3.26	3.26	0.75	3.10	3.10	0.81	2.93	2.93	0.87	3.59	3.59	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	0.52	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	0.88	3.67	3.67	0.88						
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	0.57	3.75	3.75	0.64	3.58	3.58	0.70	3.42	3.42	0.76	3.26	3.26	0.82	3.10	3.10	0.88	3.75	3.75	0.88						

5 Capacity tables

5 - 1 Cooling Capacity Tables

FFA60A9 / RZAG50B

FFA60A2VEB9 + RZAG50B5V1B

Performance characteristics for EDP- room

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	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	0.48	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	1.13	3.37	3.37	1.26	3.37	3.37	1.40	3.37	3.37	1.40				
57	13		4.68	3.43	0.41	4.68	3.43	0.46	4.68	3.43	0.50	4.68	3.43	0.55	4.68	3.43	0.60	4.68	3.43	0.66	4.68	3.43	0.77	4.68	3.43	0.90	4.68	3.43	1.02	4.68	3.43	1.15	4.54	3.36	1.26	4.31	3.25	1.36	4.08	3.13	1.46							
31.4	11		3.36	3.36	0.33	3.36	3.36	0.36	3.36	3.36	0.40	3.36	3.36	0.44	3.36	3.36	0.48	3.36	3.36	0.53	3.36	3.36	0.63	3.36	3.36	0.75	3.36	3.36	0.87	3.36	3.36	0.99	3.36	3.36	1.13	3.36	3.36	1.26	3.36	3.36	1.40	3.36	3.36	1.40				
44.9	13	20	4.67	3.96	0.41	4.67	3.96	0.45	4.67	3.96	0.50	4.67	3.96	0.55	4.67	3.96	0.60	4.67	3.96	0.66	4.67	3.96	0.77	4.67	3.96	0.89	4.67	3.96	1.02	4.67	3.96	1.15	4.54	3.89	1.26	4.31	3.78	1.36	4.08	3.66	1.46							
52	14		5.12	3.84	0.45	5.12	3.84	0.50	5.12	3.84	0.55	5.12	3.84	0.60	5.12	3.84	0.66	5.12	3.84	0.71	5.12	3.84	0.83	5.12	3.84	0.96	5.12	3.84	1.06	4.89	3.72	1.16	4.66	3.61	1.26	4.42	3.49	1.37	4.19	3.38	1.47							
22.9	11		3.35	3.35	0.33	3.35	3.35	0.36	3.35	3.35	0.40	3.35	3.35	0.44	3.35	3.35	0.48	3.35	3.35	0.53	3.35	3.35	0.63	3.35	3.35	0.75	3.35	3.35	0.87	3.35	3.35	0.99	3.35	3.35	1.12	3.35	3.35	1.26	3.35	3.35	1.40	3.35	3.35	1.40				
34.8	13		4.65	4.48	0.41	4.65	4.48	0.45	4.65	4.48	0.50	4.65	4.48	0.55	4.65	4.48	0.60	4.65	4.48	0.66	4.65	4.48	0.77	4.65	4.48	0.89	4.65	4.48	1.02	4.65	4.48	1.15	4.54	4.42	1.26	4.31	4.31	1.36	4.08	4.08	1.46							
47.6	15	22	5.24	4.07	0.48	5.24	4.07	0.53	5.24	4.07	0.59	5.24	4.07	0.64	5.24	4.07	0.70	5.24	4.07	0.76	5.24	4.07	0.86	5.24	4.07	0.96	5.24	4.07	1.06	5.00	3.96	1.16	4.77	3.85	1.27	4.54	3.74	1.37	4.31	3.63	1.47							
54.3	16		5.35	3.77	0.65	5.35	3.77	0.70	5.35	3.77	0.76	5.35	3.77	0.76	5.35	3.77	0.76	5.35	3.77	0.76	5.35	3.77	0.86	5.35	3.77	0.96	5.35	3.77	1.07	5.12	3.66	1.17	4.89	3.55	1.27	4.65	3.45	1.37	4.42	3.34	1.47							
21.2	12		3.98	3.98	0.37	3.98	3.98	0.41	3.98	3.98	0.45	3.98	3.98	0.49	3.98	3.98	0.54	3.98	3.98	0.59	3.98	3.98	0.70	3.98	3.98	0.82	3.98	3.98	0.95	3.98	3.98	1.07	3.98	3.98	1.20	3.98	3.98	1.33	3.96	3.96	1.46							
32.1	14	24	5.12	4.90	0.45	5.12	4.90	0.50	5.12	4.90	0.55	5.12	4.90	0.60	5.12	4.90	0.65	5.12	4.90	0.71	5.12	4.90	0.83	5.12	4.90	0.96	5.12	4.90	1.06	4.89	4.78	1.16	4.66	4.66	1.26	4.42	4.42	1.37	4.19	4.19	1.47							
43.8	16		5.35	4.30	0.65	5.35	4.30	0.70	5.35	4.30	0.76	5.35	4.30	0.76	5.35	4.30	0.76	5.35	4.30	0.76	5.35	4.30	0.86	5.35	4.30	0.96	5.35	4.30	1.07	5.12	4.19	1.17	4.89	4.09	1.27	4.65	3.98	1.37	4.42	3.87	1.47							
50	17		5.47	4.00	0.86	5.47	4.00	0.86	5.47	4.00	0.86	5.47	4.00	0.86	5.47	4.00	0.86	5.47	4.00	0.86	5.47	4.00	0.86	5.47	4.00	0.97	5.47	4.00	1.07	5.24	3.89	1.17	5.00	3.79	1.27	4.77	3.69	1.37	4.54	3.58	1.48							
21.5	14	27	5.12	5.12	0.45	5.12	5.12	0.50	5.12	5.12	0.54	5.12	5.12	0.60	5.12	5.12	0.65	5.12	5.12	0.71	5.12	5.12	0.83	5.12	5.12	0.95	5.12	5.12	1.06	4.89	4.89	1.16	4.66	4.66	1.26	4.42	4.42	1.37	4.19	4.19	1.47							
26.3	15		5.24	5.24	0.48	5.24	5.24	0.53	5.24	5.24	0.59	5.24	5.24	0.64	5.24	5.24	0.70	5.24	5.24	0.76	5.24	5.24	0.86	5.24	5.24	0.96	5.24	5.24	1.06	5.00	5.00	1.16	4.77	4.77	1.27	4.54	4.54	1.37	4.31	4.31	1.47							
31.3	16		5.35	5.10	0.65	5.35	5.10	0.70	5.35	5.10	0.76	5.35	5.10	0.76	5.35	5.10	0.76	5.35	5.10	0.76	5.35	5.10	0.86	5.35	5.10	0.96	5.35	5.10	1.07	5.12	4.99	1.17	4.89	4.88	1.27	4.65	4.65	1.37	4.42	4.42	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: -0 m

4D151948

FDXM50F9 / RZAG35B

FDXM50F3V1B9 + RZAG35B5V1B

Performance characteristics for EDP- room

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					
%	°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				
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					
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	0.53	3.51	2.95	0.60	3.51	2.95	0.66	3.34	2.87	0.73	3.18	2.79	0.79	3.02	2.72	0.85	2.85	2.65	0.92					
31.4	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					
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	0.53	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	0.92					
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	0.54	3.59	3.21	0.60	3.59	3.21	0.66	3.42	3.14	0.73	3.26	3.06	0.79	3.10	2.99	0.86	2.93	2.92	0.92					
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					
34.8	13		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	0.53	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	0.92					
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	0.54	3.67	3.47	0.60	3.67	3.47	0.67	3.50	3.40	0.74	3.34	3.33	0.79	3.18	3.18	0.86	3.01	3.01	0.92					
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	0.54	3.75	3.16	0.60	3.75	3.16	0.67	3.58	3.09	0.73	3.42	3.02	0.80	3.26	2.95	0.86	3.10	2.89	0.92					
21.2	12		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	0.72	3.10	3.10	0.79	2.94	2.94	0.87	2.77	2.77	0.92					
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	0.54	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	0.92					
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	0.54	3.75	3.73	0.60	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	0.92					
50	17		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	0.54	3.83	3.42	0.61	3.83	3.42	0.67	3.66	3.33	0.73	3.50	3.28	0.80	3.34	3.22	0.86	3.18	3.15	0.93					
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	0.54	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	0.92					
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	0.54	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	0.92					
31.3	16		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	0.92					

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FDXM60F3V1R9 + RZAG50R5V1R

Performance characteristics for 'EDP' room

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	TC	SHC	PI					
°C	°C	°C	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW					
41.8	11	18	3.64	3.64	0.31	3.64	3.64	0.34	3.64	3.64	0.38	3.64	3.64	0.42	3.64	3.64	0.46	3.64	3.64	0.50	3.64	3.64	0.60	3.64	3.64	0.71	3.64	3.64	0.82	3.64	3.64	0.93	3.64	3.64	1.05	3.64	3.64	1.17	3.64	3.64	1.29	3.64	3.64	1.41	3.64	3.64	1.53	3.64	3.64			
57	13	20	3.01	3.68	0.40	3.01	3.68	0.44	3.01	3.68	0.48	3.01	3.68	0.53	3.01	3.68	0.57	3.01	3.68	0.63	3.01	3.68	0.74	3.01	3.68	0.85	3.01	3.68	0.96	3.01	3.68	1.07	3.01	3.68	1.19	3.01	3.68	1.31	3.01	3.68	1.43	3.01	3.68	1.55	3.01	3.68	1.67	3.01	3.68			
31.4	11	20	3.63	3.63	0.31	3.63	3.63	0.34	3.63	3.63	0.38	3.63	3.63	0.42	3.63	3.63	0.46	3.63	3.63	0.50	3.63	3.63	0.60	3.63	3.63	0.71	3.63	3.63	0.81	3.63	3.63	0.93	3.63	3.63	1.05	3.63	3.63	1.17	3.63	3.63	1.29	3.63	3.63	1.41	3.63	3.63	1.53	3.63	3.63			
44.9	13	20	3.01	4.25	0.40	3.01	4.25	0.44	3.01	4.25	0.48	3.01	4.25	0.52	3.01	4.25	0.57	3.01	4.25	0.63	3.01	4.25	0.73	3.01	4.25	0.85	3.01	4.25	0.96	3.01	4.25	1.07	3.01	4.25	1.19	3.01	4.25	1.31	3.01	4.25	1.43	3.01	4.25	1.55	3.01	4.25	1.67	3.01	4.25			
52	14	20	3.12	3.94	0.43	3.12	3.94	0.48	3.12	3.94	0.53	3.12	3.94	0.57	3.12	3.94	0.63	3.12	3.94	0.68	3.12	3.94	0.78	3.12	3.94	0.89	3.12	3.94	1.00	3.12	3.94	1.12	3.12	3.94	1.24	3.12	3.94	1.36	3.12	3.94	1.48	3.12	3.94	1.60	3.12	3.94	1.72	3.12	3.94			
22.9	11	22	3.62	3.62	0.31	3.62	3.62	0.34	3.62	3.62	0.38	3.62	3.62	0.42	3.62	3.62	0.46	3.62	3.62	0.50	3.62	3.62	0.60	3.62	3.62	0.71	3.62	3.62	0.81	3.62	3.62	0.93	3.62	3.62	1.05	3.62	3.62	1.17	3.62	3.62	1.29	3.62	3.62	1.41	3.62	3.62	1.53	3.62	3.62			
44.8	13	22	3.01	4.83	0.39	3.01	4.83	0.43	3.01	4.83	0.48	3.01	4.83	0.52	3.01	4.83	0.57	3.01	4.83	0.62	3.01	4.83	0.73	3.01	4.83	0.85	3.01	4.83	0.96	3.01	4.83	1.07	3.01	4.83	1.19	3.01	4.83	1.31	3.01	4.83	1.43	3.01	4.83	1.55	3.01	4.83	1.67	3.01	4.83			
47.6	15	22	3.24	4.19	0.54	3.24	4.19	0.59	3.24	4.19	0.64	3.24	4.19	0.69	3.24	4.19	0.74	3.24	4.19	0.79	3.24	4.19	0.89	3.24	4.19	1.00	3.24	4.19	1.12	3.24	4.19	1.24	3.24	4.19	1.36	3.24	4.19	1.48	3.24	4.19	1.60	3.24	4.19	1.72	3.24	4.19	1.84	3.24	4.19	1.96	3.24	4.19
54.5	16	22	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.78	5.35	3.87	0.88	5.35	3.87	0.97	5.12	3.77	1.06	4.89	3.66	1.15	4.65	3.56	1.25	4.42	3.47	1.35	4.24	3.36	1.45	4.03	3.27	1.55	3.82	3.18	1.65	3.60	3.09
21.2	12	20	4.29	4.29	0.35	4.29	4.29	0.39	4.29	4.29	0.43	4.29	4.29	0.47	4.29	4.29	0.52	4.29	4.29	0.56	4.29	4.29	0.67	4.29	4.29	0.78	4.29	4.29	0.89	4.29	4.29	1.01	4.29	4.29	1.13	4.19	4.19	1.24	3.96	3.96	1.36	3.74	3.74	1.48	3.52	3.52	1.60	3.30	3.30			
32.1	14	24	5.12	5.08	0.43	5.12	5.08	0.48	5.12	5.08	0.52	5.12	5.08	0.57	5.12	5.08	0.63	5.12	5.08	0.68	5.12	5.08	0.78	5.12	5.08	0.87	5.12	5.08	0.97	5.12	5.08	1.06	4.89	4.06	1.16	4.42	4.42	1.26	4.19	4.19	1.37	3.97	3.97	1.48	3.75	3.75	1.60	3.53	3.53			
43.8	16	24	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.78	5.35	4.44	0.88	5.35	4.44	0.97	5.12	4.34	1.06	4.89	4.23	1.15	4.65	4.13	1.25	4.42	4.03	1.34	4.21	4.21	1.46	3.99	3.99	1.58	3.77	3.77			
50	17	24	5.47	4.12	0.79	5.47	4.12	0.79	5.47	4.12	0.79	5.47	4.12	0.79	5.47	4.12	0.79	5.47	4.12	0.79	5.47	4.12	0.79	5.47	4.12	0.88	5.47	4.12	0.97	5.24	4.02	1.06	5.00	3.91	1.16	4.77	3.81	1.25	4.54	3.71	1.34	4.31	4.31	1.46	4.10	4.10	1.58	3.89	3.89			
21.5	14	24	5.12	5.12	0.43	5.12	5.12	0.48	5.12	5.12	0.52	5.12	5.12	0.57	5.12	5.12	0.62	5.12	5.12	0.68	5.12	5.12	0.78	5.12	5.12	0.87	5.12	5.12	0.96	4.89	4.89	1.06	4.66	4.16	1.15	4.42	4.42	1.24	4.19	4.19	1.35	3.97	3.97	1.47	3.75	3.75	1.59	3.54	3.54			
26.3	15	27	5.24	5.24	0.54	5.24	5.24	0.59	5.24	5.24	0.64	5.24	5.24	0.69	5.24	5.24	0.69	5.24	5.24	0.69	5.24	5.24	0.78	5.24	5.24	0.87	5.24	5.24	0.97	5.00	5.00	1.06	4.77	4.77	1.15	4.54	4.54	1.24	4.31	4.31	1.34	4.10	4.10	1.46	3.89	3.89						
31.3	16	27	5.35	3.30	0.69	5.35	3.30	0.69	5.35	3.30	0.69	5.35	3.30	0.69	5.35	3.30	0.69	5.35	3.30	0.69	5.35	3.30	0.78	5.35	3.30	0.88	5.35	3.30	0.97	5.12	5.12	1.06	4.89	4.89	1.15	4.65	4.65	1.25	4.42	4.42	1.36	4.20	4.20	1.48	3.97	3.97	1.60	3.69	3.69			

Symbols

FWB: 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

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FBA50A2VEB9 + RZAG35B5V1E

Performance characteristics for -EDP- room

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	TC	SHC	PI									
			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							
41.8	11	18	3.34	3.34	0.25	3.34	3.34	0.27	3.34	3.34	0.30	3.34	3.34	0.33	3.34	3.34	0.36	3.34	3.34	0.39	3.34	3.34	0.46	3.34	3.34	0.52	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.69	2.85	2.85	0.74	2.69	2.69	0.80	2.85	2.85	0.87	2.69	2.69	0.94	2.85	2.85	1.00	2.69	2.69	1.07			
57	13		3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.47	3.51	2.92	0.52	3.51	2.92	0.58	3.34	2.85	0.64	3.18	2.77	0.69	3.02	2.69	0.75	2.85	2.62	0.80	2.85	2.62	0.87	2.69	2.62	0.94	2.85	2.62	1.00	2.69	2.62	1.07			
31.4	11		3.34	3.34	0.25	3.34	3.34	0.27	3.34	3.34	0.30	3.34	3.34	0.33	3.34	3.34	0.36	3.34	3.34	0.39	3.34	3.34	0.46	3.34	3.34	0.52	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.69	2.85	2.85	0.74	2.69	2.69	0.80	2.85	2.85	0.87	2.69	2.69	0.94	2.85	2.85	1.00	2.69	2.69	1.07			
44.9	13	20	3.51	3.48	0.41	3.51	3.48	0.41	3.51	3.48	0.41	3.51	3.48	0.41	3.51	3.48	0.47	3.51	3.48	0.47	3.51	3.48	0.47	3.51	3.48	0.52	3.51	3.48	0.58	3.34	3.64	0.63	3.18	3.69	0.32	3.02	0.75	2.85	2.85	0.87	2.69	2.69	0.94	2.85	2.85	1.00	2.69	2.69	1.07							
52	14		3.59	3.48	0.47	3.59	3.48	0.47	3.59	3.48	0.47	3.59	3.48	0.47	3.59	3.48	0.47	3.59	3.48	0.47	3.59	3.48	0.47	3.59	3.48	0.52	3.59	3.48	0.58	3.42	3.11	0.64	3.26	3.03	0.69	3.10	2.96	0.75	2.93	2.89	0.81	3.10	2.96	0.87	2.93	2.89	0.94	3.10	2.96	1.00	2.93	2.89	1.07			
22.9	11		3.34	3.34	0.24	3.34	3.34	0.27	3.34	3.34	0.30	3.34	3.34	0.33	3.34	3.34	0.36	3.34	3.34	0.39	3.34	3.34	0.46	3.34	3.34	0.52	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.69	2.85	2.85	0.74	2.69	2.69	0.80	2.85	2.85	0.87	2.69	2.69	0.94	2.85	2.85	1.00	2.69	2.69	1.07			
34.8	13	22	3.51	3.51	0.41	3.51	3.51	0.41	3.51	3.51	0.41	3.51	3.51	0.41	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.52	3.51	3.51	0.58	3.34	3.64	0.63	3.18	3.69	0.32	3.02	0.75	2.85	2.85	0.87	2.69	2.69	0.94	2.85	2.85	1.00	2.69	2.69	1.07							
47.6	15		3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.53	3.67	3.44	0.58	3.50	3.07	0.64	3.34	3.29	0.70	3.18	3.18	0.75	3.01	3.01	0.81	3.18	3.18	0.87	3.01	3.01	0.94	3.18	3.18	1.00	3.01	3.01	1.07
54.3	16		3.75	3.42	0.47	3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.53	3.75	3.13	0.58	3.58	3.06	0.64	3.42	2.99	0.70	3.26	2.92	0.75	3.10	2.86	0.81	3.10	2.86	0.87	3.10	2.86	0.94	3.10	2.86	1.00	3.10	2.86	1.07			
21.2	12		3.42	3.42	0.29	3.42	3.42	0.32	3.42	3.42	0.35	3.42	3.42	0.38	3.42	3.42	0.41	3.42	3.42	0.41	3.42	3.42	0.47	3.42	3.42	0.52	3.42	3.42	0.58	3.26	3.26	0.63	3.10	3.10	0.69	2.94	2.94	0.75	2.77	2.77	0.80	2.94	2.94	0.87	2.77	2.77	0.94	2.94	2.94	1.00	2.77	2.77	1.07			
32.1	14	24	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.52	3.59	3.59	0.58	3.42	3.42	0.64	3.26	3.26	0.69	3.10	3.10	0.75	2.93	2.93	0.81	3.10	3.10	0.87	2.93	2.93	0.94	3.10	3.10	1.00	2.93	2.93	1.07			
43.8	16		3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.53	3.75	3.69	0.58	3.58	3.58	0.64	3.42	3.42	0.70	3.26	3.26	0.75	3.10	3.10	0.81	3.10	3.10	0.87	3.10	3.10	0.94	3.10	3.10	1.00	3.10	3.10	1.07
50	17		3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.53	3.83	3.38	0.58	3.66	3.32	0.64	3.50	3.25	0.70	3.34	3.18	0.75	3.18	3.12	0.81	3.18	3.12	0.87	3.18	3.12	0.94	3.18	3.12	1.00	3.18	3.12	1.07			
21.5	14		3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.52	3.59	3.59	0.58	3.42	3.42	0.64	3.26	3.26	0.69	3.10	3.10	0.75	2.93	2.93	0.81	3.10	3.10	0.87	2.93	2.93	0.94	3.10	3.10	1.00	2.93	2.93	1.07			
26.3	15	27	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.53	3.67	3.67	0.58	3.50	3.50	0.64	3.34	3.34	0.70	3.18	3.18	0.75	3.01	3.01	0.81	3.18	3.01	0.87	3.01	3.01	0.94	3.18	3.01	1.00	3.01	3.01	1.07			
31.3	16		3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.53	3.75	3.75	0.58	3.58	3.58	0.64	3.42	3.42	0.70	3.26	3.26	0.75	3.10	3.10	0.81	3.10	3.10	0.87	3.10	3.10	0.94	3.10	3.10	1.00	3.10	3.10	1.07			

Symbols

RH: Relative humidity [%]

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

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

TC: Total capacity [kW]

SHC: Sensible heat capacity [kW]

PI: Power input (kW)

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. 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

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5 Capacity tables

5 - 1 Cooling Capacity Tables

FBA60A9 / RZAG50B

FBA60A2VEB9 + RZAG50B5V1B

Performance characteristics for 'EDP' room

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

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).
4. The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0 m

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FBA71A9 / RZAG60B

FBA71A2VEB9 + RZAG60B5V1B

Performance characteristics for 'EDP' room

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						
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°				
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	0.64	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	1.57	4.05	4.05	1.67			
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	1.47	4.03	1.47	4.03	1.57	4.03	1.67			
34	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	0.64	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	1.57	4.03	4.03	1.67			
44.9	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	4.39	1.47	4.03	1.48	4.03	1.58	4.03	1.68			
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	4.06	1.48	4.06	1.58	4.06	1.68						
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	1.57	4.02	4.02	1.67			
34.8	13		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	4.06	1.48	4.06	1.58	4.06	1.68			
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	0.71	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	1.17	5.73	4.62	1.28	5.59	4.49	1.38	5.17	4.36	1.48									
54.5	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	0.97	6.42	4.52	1.07	6.42	4.52	1.17	6.01	4.75	1.18	5.86	4.42	1.28	5.59	4.14	1.38	5.31	4.01	1.49									
21.2	12		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	1.06	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	1.57	4.78	4.78	1.67			
32.1	14		5.15	5.88	0.47	5.15	5.88	0.52	5.15	5.88	0.57	5.15	5.88	0.63	5.15	5.88	0.68	5.15	5.88	0.74	5.15	5.88	0.86	5.15	5.88	0.97	5.15	5.88	1.07	5.87	5.74	1.17	5.59	5.59	1.27	5.31	5.31	1.38	5.03	5.03	1.48									
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	0.82	6.42	5.16	0.87	6.42	5.16	0.92	6.42	5.16	0.97	6.42	5.16	1.07	6.42	5.16	1.17	6.14	5.04	1.18	5.86	4.90	1.28	5.59	4.78	1.38	5.31	4.65	1.49									
50	17		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	4.40	1.49									
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	0.85	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									
26.3	15	27	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									
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	0.97	6.42	6.12	1.07	6.42	6.12	1.17	6.14	5.99	1.18	5.86	5.86	1.28	5.59	5.59	1.38	5.31	5.31	1.49									

Symbols

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

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

TC: Total capacity (kW)

SHC: Sensible heat capacity

RI: 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).
4. The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0 m

4D151949

5

FTXM50A2V1B + RZAG35B5V1B
FTXM50A5V1B + RZAG35B5V1B

Performance characteristics for 'EDP' room

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	TC	SHC	PI			
°C	°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		
41.8	11	18	2.86	2.86	0.2	2.86	2.86	0.24	2.86	2.86	0.26	2.86	2.86	0.28	2.86	2.86	0.30	2.86	2.86	0.33	2.86	2.86	0.35	2.86	2.86	0.37	2.86	2.86	0.40	2.86	2.86	0.49	2.86	2.86	0.57	2.86	2.86	0.67	2.86	2.86	0.78	2.86	2.86	0.88	2.86	2.86	0.99	2.86	2.86	1.08
57	13	20	3.51	2.68	0.31	3.51	2.68	0.33	3.51	2.68	0.36	3.51	2.68	0.39	3.51	2.68	0.43	3.51	2.68	0.47	3.51	2.68	0.50	3.51	2.68	0.52	3.51	2.68	0.56	3.51	2.68	0.62	3.51	2.68	0.74	3.51	2.68	0.83	3.51	2.68	0.94	3.51	2.68	1.05	3.51	2.68	1.16	3.51	2.68	1.26
34	11	18	2.85	2.85	0.22	2.85	2.85	0.24	2.85	2.85	0.26	2.85	2.85	0.28	2.85	2.85	0.30	2.85	2.85	0.33	2.85	2.85	0.35	2.85	2.85	0.37	2.85	2.85	0.40	2.85	2.85	0.49	2.85	2.85	0.57	2.85	2.85	0.67	2.85	2.85	0.78	2.85	2.85	0.88	2.85	2.85	0.99	2.85	2.85	1.08
44.9	13	20	3.51	3.13	0.31	3.51	3.13	0.33	3.51	3.13	0.35	3.51	3.13	0.39	3.51	3.13	0.43	3.51	3.13	0.47	3.51	3.13	0.50	3.51	3.13	0.52	3.51	3.13	0.56	3.51	3.13	0.62	3.51	3.13	0.74	3.51	3.13	0.83	3.51	3.13	0.94	3.51	3.13	1.05	3.51	3.13	1.16	3.51	3.13	1.26
52	14	20	3.59	2.88	0.41	3.59	2.88	0.44	3.59	2.88	0.47	3.59	2.88	0.50	3.59	2.88	0.55	3.59	2.88	0.59	3.59	2.88	0.62	3.59	2.88	0.65	3.59	2.88	0.68	3.59	2.88	0.74	3.59	2.88	0.86	3.59	2.88	0.96	3.59	2.88	1.07	3.59	2.88	1.18	3.59	2.88	1.29	3.59	2.88	1.39
22.9	11	18	2.84	2.84	0.22	2.84	2.84	0.24	2.84	2.84	0.25	2.84	2.84	0.26	2.84	2.84	0.28	2.84	2.84	0.30	2.84	2.84	0.32	2.84	2.84	0.34	2.84	2.84	0.37	2.84	2.84	0.46	2.84	2.84	0.57	2.84	2.84	0.67	2.84	2.84	0.78	2.84	2.84	0.88	2.84	2.84	0.99	2.84	2.84	1.08
34.8	13	22	3.51	3.51	0.31	3.51	3.51	0.33	3.51	3.51	0.35	3.51	3.51	0.39	3.51	3.51	0.43	3.51	3.51	0.47	3.51	3.51	0.50	3.51	3.51	0.52	3.51	3.51	0.56	3.51	3.51	0.62	3.51	3.51	0.74	3.51	3.51	0.83	3.51	3.51	0.94	3.51	3.51	1.05	3.51	3.51	1.16	3.51	3.51	1.26
47.6	15	22	3.67	3.08	0.50	3.67	3.08	0.50	3.67	3.08	0.50	3.67	3.08	0.50	3.67	3.08	0.50	3.67	3.08	0.50	3.67	3.08	0.50	3.67	3.08	0.50	3.67	3.08	0.50	3.67	3.08	0.56	3.67	3.08	0.62	3.50	3.01	0.68	3.34	2.93	0.74	3.18	2.86	0.80	3.01	2.79	0.88	2.99	0.98	
54.3	16	22	3.75	2.83	0.51	3.75	2.83	0.51	3.75	2.83	0.51	3.75	2.83	0.51	3.75	2.83	0.51	3.75	2.83	0.51	3.75	2.83	0.51	3.75	2.83	0.51	3.75	2.83	0.57	3.75	2.83	0.62	3.58	2.76	0.68	3.42	2.69	0.74	3.26	2.62	0.80	3.10	2.55	0.88	2.99	0.98				
21.2	12	18	3.37	3.37	0.26	3.37	3.37	0.29	3.37	3.37	0.31	3.37	3.37	0.34	3.37	3.37	0.36	3.37	3.37	0.40	3.37	3.37	0.43	3.37	3.37	0.46	3.37	3.37	0.51	3.37	3.37	0.60	3.37	3.37	0.70	3.37	3.37	0.80	3.37	3.37	0.90	3.37	3.37	1.00	3.37	3.37	1.10			
32.1	14	24	3.59	3.59	0.41	3.59	3.59	0.44	3.59	3.59	0.47	3.59	3.59	0.50	3.59	3.59	0.55	3.59	3.59	0.59	3.59	3.59	0.62	3.59	3.59	0.65	3.59	3.59	0.68	3.59	3.59	0.74	3.59	3.59	0.86	3.59	3.59	0.96	3.59	3.59	1.07	3.59	3.59	1.18	3.59	3.59	1.29			
43.8	16	24	3.75	3.28	0.51	3.75	3.28	0.51	3.75	3.28	0.51	3.75	3.28	0.51	3.75	3.28	0.51	3.75	3.28	0.51	3.75	3.28	0.51	3.75	3.28	0.51	3.75	3.28	0.57	3.75	3.28	0.62	3.58	3.21	0.68	3.42	3.14	0.74	3.26	3.07	0.80	3.10	2.80	0.88	3.10	2.80	0.98			
50	17	24	3.83	3.03	0.51	3.83	3.03	0.51	3.83	3.03	0.51	3.83	3.03	0.51	3.83	3.03	0.51	3.83	3.03	0.51	3.83	3.03	0.51	3.83	3.03	0.51	3.83	3.03	0.57	3.83	3.03	0.63	3.66	2.96	0.69	3.50	2.89	0.75	3.34	2.82	0.81	3.18	2.75	0.88	3.10	2.75	0.98			
21.5	14	27	3.59	3.59	0.41	3.59	3.59	0.44	3.59	3.59	0.47	3.59	3.59	0.50	3.59	3.59	0.55	3.59	3.59	0.59	3.59	3.59	0.62	3.59	3.59	0.65	3.59	3.59	0.68	3.59	3.59	0.74	3.59	3.59	0.86	3.59	3.59	0.96	3.59	3.59	1.07	3.59	3.59	1.18	3.59	3.59	1.29			
26.3	15	27	3.67	3.67	0.50	3.67	3.67	0.50	3.67	3.67	0.50	3.67	3.67	0.50	3.67	3.67	0.50	3.67	3.67	0.50	3.67	3.67	0.50	3.67	3.67	0.50	3.67	3.67	0.56	3.67	3.67	0.62	3.50	3.58	0.68	3.34	3.34	0.74	3.18	3.18	0.80	3.01	3.01	0.88	3.10	3.01	0.98			
31.3	16	27	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	0.51	3.75	3.75	0.51	3.75	3.75	0.57	3.75	3.75	0.62	3.58	3.58	0.68	3.42	3.42	0.74	3.26	3.26	0.80	3.10	3.10	0.88	3.10	3.10	0.98			

Symbols

RH: Relative humidity [%]

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

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

TC: Total capacity (kW)

SHC: Sensible heat capacity [kW]

PI: Power input [kW]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. 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: 15 m

Level difference: 0 m

4D151947

FTXM60A2V18 + RZAG5085V18

Performance characteristics for 'EDP' room

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	TC	SHC	PI			
%	°C	°C	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW			
41.8	11	18	3.27	3.27	0.44	3.27	3.27	0.47	3.27	3.27	0.51	3.27	3.27	0.56	3.27	3.27	0.62	3.27	3.27	0.68	3.27	3.27	0.75	3.27	3.27	0.85	3.27	3.27	0.94	3.27	3.27	1.03	3.27	3.27	1.12	3.27	3.27	1.21	3.27	3.27	1.31	3.27	3.27	1.41	3.27	3.27	1.51			
57	13		4.54	3.33	0.46	4.54	3.33	0.50	4.54	3.33	0.55	4.54	3.33	0.60	4.54	3.33	0.65	4.54	3.33	0.71	4.54	3.33	0.76	4.54	3.33	0.86	4.54	3.33	0.95	4.54	3.33	1.04	4.54	3.33	1.13	4.54	3.33	1.22	4.54	3.33	1.31	4.54	3.33	1.40	4.54	3.33	1.50			
314	11	20	3.26	3.26	0.44	3.26	3.26	0.47	3.26	3.26	0.51	3.26	3.26	0.56	3.26	3.26	0.62	3.26	3.26	0.68	3.26	3.26	0.75	3.26	3.26	0.85	3.26	3.26	0.94	3.26	3.26	1.03	3.26	3.26	1.12	3.26	3.26	1.21	3.26	3.26	1.31	3.26	3.26	1.41	3.26	3.26	1.51			
449.3	13		4.52	3.84	0.46	4.52	3.84	0.50	4.52	3.84	0.55	4.52	3.84	0.60	4.52	3.84	0.65	4.52	3.84	0.71	4.52	3.84	0.76	4.52	3.84	0.86	4.52	3.84	0.95	4.52	3.84	1.04	4.52	3.84	1.13	4.52	3.84	1.22	4.52	3.84	1.31	4.52	3.84	1.40	4.52	3.84	1.50			
52	14		5.12	3.80	0.47	5.12	3.80	0.52	5.12	3.80	0.56	5.12	3.80	0.61	5.12	3.80	0.66	5.12	3.80	0.72	5.12	3.80	0.76	5.12	3.80	0.86	5.12	3.80	0.95	4.89	3.68	1.04	4.66	3.57	1.13	4.42	3.45	1.22	4.19	3.34	1.31	4.14	3.34	1.40	4.14	3.34	1.50			
22.9	11	22	3.25	3.25	0.44	3.25	3.25	0.47	3.25	3.25	0.51	3.25	3.25	0.56	3.25	3.25	0.62	3.25	3.25	0.68	3.25	3.25	0.75	3.25	3.25	0.85	3.25	3.25	0.94	3.25	3.25	1.03	3.25	3.25	1.12	3.25	3.25	1.21	3.25	3.25	1.31	3.25	3.25	1.41	3.25	3.25	1.51			
348.3	13		4.25	3.34	0.46	4.25	3.34	0.50	4.25	3.34	0.55	4.25	3.34	0.60	4.25	3.34	0.65	4.25	3.34	0.71	4.25	3.34	0.76	4.25	3.34	0.86	4.25	3.34	0.95	4.51	3.34	1.04	4.34	3.34	1.13	4.21	3.24	1.22	4.08	3.08	1.31	4.08	3.08	1.40	4.08	3.08	1.50			
476	15		5.24	4.02	0.48	5.24	4.02	0.53	5.24	4.02	0.58	5.24	4.02	0.63	5.24	4.02	0.68	5.24	4.02	0.72	5.24	4.02	0.77	5.24	4.02	0.86	5.24	4.02	0.95	5.00	3.91	1.05	4.77	3.80	1.14	4.54	3.69	1.23	4.31	3.58	1.31	4.31	3.58	1.40	4.31	3.58	1.50			
543	16		5.35	3.73	0.63	5.35	3.73	0.68	5.35	3.73	0.73	5.35	3.73	0.77	5.35	3.73	0.77	5.35	3.73	0.77	5.35	3.73	0.77	5.35	3.73	0.77	5.35	3.73	0.77	5.35	3.73	0.77	5.35	3.73	0.77	5.35	3.73	0.77	5.35	3.73	0.77	5.35	3.73	0.77	5.35	3.73	0.77			
212	12		3.86	3.86	0.45	3.86	3.86	0.49	3.86	3.86	0.53	3.86	3.86	0.58	3.86	3.86	0.64	3.86	3.86	0.70	3.86	3.86	0.76	3.86	3.86	0.85	3.86	3.86	0.95	3.86	3.86	1.04	3.86	3.86	1.13	3.86	3.86	1.22	3.86	3.86	1.31	3.86	3.86	1.40	3.86	3.86	1.50			
321	14	24	5.12	4.83	0.47	5.12	4.83	0.51	5.12	4.83	0.56	5.12	4.83	0.61	5.12	4.83	0.66	5.12	4.83	0.72	5.12	4.83	0.76	5.12	4.83	0.86	5.12	4.83	0.95	4.89	4.71	4.04	4.66	4.60	1.13	4.42	3.92	1.23	4.19	3.41	1.31	4.19	3.41	1.40	4.19	3.41	1.50			
438	16		5.35	4.25	0.63	5.35	4.25	0.68	5.35	4.25	0.73	5.35	4.25	0.77	5.35	4.25	0.77	5.35	4.25	0.77	5.35	4.25	0.77	5.35	4.25	0.77	5.35	4.25	0.77	5.35	4.25	0.77	5.35	4.25	0.77	5.35	4.25	0.77	5.35	4.25	0.77	5.35	4.25	0.77	5.35	4.25	0.77			
50	17		5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78			
215	14		5.12	5.12	0.47	5.12	5.12	0.51	5.12	5.12	0.56	5.12	5.12	0.61	5.12	5.12	0.66	5.12	5.12	0.72	5.12	5.12	0.76	5.12	5.12	0.86	5.12	5.12	0.95	4.89	4.89	4.00	4.66	4.14	4.13	4.42	4.42	1.23	4.19	3.41	1.31	4.19	3.41	1.40	4.19	3.41	1.50			
263	15	27	5.24	5.24	0.48	5.24	5.24	0.53	5.24	5.24	0.58	5.24	5.24	0.63	5.24	5.24	0.68	5.24	5.24	0.72	5.24	5.24	0.77	5.24	5.24	0.86	5.24	5.24	0.95	5.00	5.00	4.00	4.77	4.77	1.14	4.54	4.54	1.23	4.31	3.31	1.31	4.31	3.31	1.40	4.31	3.31	1.50			
313	16		5.35	5.02	0.63	5.35	5.02	0.68	5.35	5.02	0.72	5.35	5.02	0.77	5.35	5.02	0.77	5.35	5.02	0.77	5.35	5.02	0.77	5.35	5.02	0.77	5.35	5.02	0.77	5.35	5.02	0.77	5.35	5.02	0.77	5.35	5.02	0.77	5.35	5.02	0.77	5.35	5.02	0.77	5.35	5.02	0.77			

Symbols

FWB: 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: 5.1 m

Level difference: :0:m

Abstract

4D151948

5 Capacity tables

5 - 1 Cooling Capacity Tables

FTXM71A / RZAG60B

FTXM71A2V1B + RZAG60B5V1B

Performance characteristics for ·EDP· room

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	TC	SHC	PI			
41.8	11	18	3.91	3.91	0.46	3.91	3.91	0.50	3.91	3.91	0.55	3.91	3.91	0.60	3.91	3.91	0.65	3.91	3.91	0.71	3.91	3.91	0.78	3.91	3.91	0.92	3.91	3.91	1.07	3.91	3.91	1.22	3.91	3.91	1.39	3.91	3.91	1.56	3.91	3.91	1.72									
57	13		5.43	3.98	0.57	5.43	3.98	0.62	5.43	3.98	0.68	5.43	3.98	0.74	5.43	3.98	0.80	5.43	3.98	0.87	5.43	3.98	0.94	5.43	3.98	1.09	5.43	3.98	1.25	5.43	3.98	1.40	5.43	3.98	1.56	5.17	3.85	1.69	4.89	3.71	1.81									
31.4	11		3.90	3.90	0.46	3.90	3.90	0.50	3.90	3.90	0.55	3.90	3.90	0.60	3.90	3.90	0.65	3.90	3.90	0.71	3.90	3.90	0.78	3.90	3.90	0.92	3.90	3.90	1.07	3.90	3.90	1.22	3.90	3.90	1.39	3.90	3.90	1.55	3.90	3.90	1.72									
44.9	13	20	5.41	4.59	0.57	5.41	4.59	0.62	5.41	4.59	0.68	5.41	4.59	0.74	5.41	4.59	0.80	5.41	4.59	0.87	5.41	4.59	0.94	5.41	4.59	1.09	5.41	4.59	1.24	5.41	4.59	1.40	5.41	4.59	1.56	5.17	4.47	1.69	4.89	4.33	1.81									
52	14		6.15	4.55	0.62	6.15	4.55	0.68	6.15	4.55	0.74	6.15	4.55	0.80	6.15	4.55	0.87	6.15	4.55	0.94	6.15	4.55	1.01	6.15	4.55	1.16	6.15	4.55	1.31	5.87	4.41	1.44	5.59	4.28	1.56	5.31	4.14	1.69	5.03	4.00	1.82									
22.9	11		3.89	3.89	0.46	3.89	3.89	0.50	3.89	3.89	0.55	3.89	3.89	0.59	3.89	3.89	0.65	3.89	3.89	0.71	3.89	3.89	0.77	3.89	3.89	0.91	3.89	3.89	1.06	3.89	3.89	1.22	3.89	3.89	1.39	3.89	3.89	1.55	3.89	3.89	1.72									
34.8	13		5.40	5.20	0.57	5.40	5.20	0.62	5.40	5.20	0.68	5.40	5.20	0.74	5.40	5.20	0.80	5.40	5.20	0.87	5.40	5.20	0.94	5.40	5.20	1.09	5.40	5.20	1.24	5.40	5.20	1.40	5.40	5.20	1.56	5.17	5.08	1.69	4.89	4.89	1.81									
47.6	15	22	6.29	4.82	0.66	6.29	4.82	0.72	6.29	4.82	0.78	6.29	4.82	0.85	6.29	4.82	0.92	6.29	4.82	1.00	6.29	4.82	1.06	6.29	4.82	1.19	6.29	4.82	1.32	6.01	4.69	1.44	5.73	4.55	1.57	5.45	4.42	1.69	5.17	4.29	1.82									
54.3	16		6.42	4.47	0.86	6.42	4.47	0.93	6.42	4.47	1.00	6.42	4.47	1.07	6.42	4.47	1.07	6.42	4.47	1.07	6.42	4.47	1.07	6.42	4.47	1.19	6.42	4.47	1.32	6.14	4.34	1.45	5.86	4.21	1.57	5.59	4.08	1.70	5.31	3.96	1.83									
21.2	12		4.62	4.62	0.52	4.62	4.62	0.56	4.62	4.62	0.61	4.62	4.62	0.67	4.62	4.62	0.73	4.62	4.62	0.79	4.62	4.62	0.86	4.62	4.62	1.00	4.62	4.62	1.16	4.62	4.62	1.32	4.62	4.62	1.48	4.62	4.62	1.64	4.62	4.62	1.80									
32.1	14		6.15	5.79	0.62	6.15	5.79	0.68	6.15	5.79	0.73	6.15	5.79	0.80	6.15	5.79	0.87	6.15	5.79	0.94	6.15	5.79	1.01	6.15	5.79	1.16	6.15	5.79	1.31	5.87	5.64	1.44	5.59	5.51	1.56	5.31	5.31	1.69	5.03	5.03	1.82									
43.8	16		6.42	5.09	0.86	6.42	5.09	0.93	6.42	5.09	1.00	6.42	5.09	1.07	6.42	5.09	1.07	6.42	5.09	1.07	6.42	5.09	1.07	6.42	5.09	1.19	6.42	5.09	1.32	6.14	4.96	1.45	5.86	4.83	1.57	5.59	4.70	1.70	5.31	4.57	1.83									
50	17		6.56	4.74	1.01	6.56	4.74	1.07	6.56	4.74	1.07	6.56	4.74	1.07	6.56	4.74	1.07	6.56	4.74	1.07	6.56	4.74	1.07	6.56	4.74	1.20	6.56	4.74	1.32	6.28	4.61	1.45	6.00	4.48	1.58	5.72	4.36	1.70	5.44	4.24	1.83									
21.5	14		6.15	6.15	0.62	6.15	6.15	0.67	6.15	6.15	0.73	6.15	6.15	0.80	6.15	6.15	0.86	6.15	6.15	0.93	6.15	6.15	1.01	6.15	6.15	1.16	6.15	6.15	1.31	5.87	5.87	1.44	5.59	5.59	1.56	5.31	5.31	1.69	5.03	5.03	1.82									
26.3	15	27	6.29	6.29	0.66	6.29	6.29	0.72	6.29	6.29	0.78	6.29	6.29	0.85	6.29	6.29	0.92	6.29	6.29	0.99	6.29	6.29	1.06	6.29	6.29	1.19	6.29	6.29	1.32	6.01	6.01	1.44	5.73	5.73	1.57	5.45	5.45	1.69	5.17	5.17	1.82									
31.3	16		6.42	6.01	0.86	6.42	6.01	0.93	6.42	6.01	1.00	6.42	6.01	1.07	6.42	6.01	1.07	6.42	6.01	1.07	6.42	6.01	1.07	6.42	6.01	1.19	6.42	6.01	1.32	6.14	5.88	1.45	5.86	5.75	1.57	5.59	5.59	1.70	5.31	5.31	1.83									

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

4D151949

FHA50A9 / RZAG35B

FHA50AVEB98 + RZAG35B5V1B

Performance characteristics for ·EDP· room

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	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	0.38	3.51	2.88	0.43	3.51	2.88	0.48	3.51	2.88	0.53	3.34	2.80	0.58	3.18	2.73	0.63	3.02	2.65	0.68	2.85	2.58	0.74									
31.4	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	0.38	3.51	3.42	0.43	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	0.43	3.59	3.13	0.48	3.59	3.13	0.52	3.42	3.06	0.58	3.26	2.98	0.63	3.10	2.91	0.69	2.93	2.84	0.74			
22.9	11		3.34	3.34	0.22	3.34	3.34	0.24	3.34	3.34	0.26	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	24	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	0.38	3.51	3.51	0.43	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	0.43	3.67	3.38	0.43	3.67	3.38	0.48	3.67	3.38	0.53	3.34	3.34	0.58	3.34	3.23	0.64	3.18	3.16	0.69	3.01	3.01	0.74									
54.3	16	26	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	0.43	3.75	3.08	0.43	3.75	3.08	0.43	3.75	3.08	0.48	3.75	3.08	0.48	3.75	3.08	0.53	3.50	3.01	0.59	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	28	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	0.48	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	0.43	3.75	3.62	0.43	3.75	3.62	0.43	3.75	3.62	0.48	3.75	3.62	0.53	3.34	3.34	0.58	3.42	3.42	0.63	3.04	3.04	0.69	3.10	3.10	0.74						
50	17	30	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	0.48	3.83	3.32	0.54	3.66	3.26	0.59	3.50	3.10	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	0.38	3.59	3.59	0.38	3.59	3.59	0.43	3.59	3.59	0.48	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	32	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	0.43	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	0.43	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						

5 Capacity tables

5 - 1 Cooling Capacity Tables

FHA60A9 / RZAG50B

FHA60AVEB98 + RZAG50B5V1B

Performance characteristics for 'EDP' room

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						
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°				
18	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	3.85	3.85	1.25						
57	13	57	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	4.07	1.16	4.08	3.36	1.25	4.08	3.36	1.25						
31.4	11	31.4	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	0.62	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	3.85	3.85	1.25						
44.9	13	44.9	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	4.08	3.99	1.25						
52	14	52	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	0.68	5.12	5.12	0.74	5.12	5.12	0.84	5.12	5.12	0.92	5.12	5.12	1.00	4.91	4.89	0.99	4.66	3.88	1.08	4.42	3.77	1.17	4.19	3.66	1.25	4.19	3.66	1.25						
22.9	11	22.9	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	3.85	3.85	1.25						
34.8	13	34.8	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	4.08	4.08	1.25						
47.6	15	47.6	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	4.31	3.96	1.26						
54.3	16	54.3	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	0.84	5.35	4.03	0.92	5.35	4.03	1.00	5.12	4.92	1.00	4.89	3.82	1.08	4.65	3.72	1.17	4.42	3.62	1.26	4.42	3.62	1.26						
21.2	12	21.2	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	3.96	3.96	1.25						
32.1	14	32.1	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	0.68	5.12	5.12	0.74	5.12	5.12	0.84	5.12	5.12	0.92	5.12	5.12	1.00	4.91	4.89	0.99	4.66	4.66	1.08	4.42	4.12	1.17	4.19	3.69	1.25	4.19	3.69	1.25						
43.8	16	43.8	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	0.84	5.35	4.66	0.92	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	4.42	4.25	1.26						
50	17	50	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	0.84	5.47	4.30	0.93	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	4.54	3.91	1.26						
21.5	14	21.5	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	0.68	5.12	5.12	0.74	5.12	5.12	0.84	5.12	5.12	0.92	5.12	5.12	1.00	4.91	4.89	0.99	4.66	4.66	1.08	4.42	4.12	1.17	4.19	3.69	1.25	4.19	3.69	1.25						
26.3	15	26.3	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	4.31	4.31	1.26						
31.1	16	31.1	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	0.84	5.35	5.35	0.92	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	4.42	4.42	1.26						

4D151948

FHA71A9 / RZAG60B

FHA71AVEB98 + RZAG60B5V1B

Performance characteristics for 'EDP' room

Cooling

Indoor			Outdoor temperature [°C DB]																																																
			-20				-15				-10				-5				0				5				10				15				20				25				30				35				40
RH	EWB	EOB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI				
°C	°C	°C	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW			
41.8	11	18	4.61	4.61	0.41	4.61	4.61	0.41	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	1.41	4.61	4.61	1.46	4.61	4.61	1.46				
57	13		6.01	5.50	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	4.61	4.61	1.46	4.61	4.61	1.46				
31.4	11	20	4.59	4.59	0.41	4.59	4.59	0.41	4.59	4.59	0.50	4.59	4.59	0.55	4.59	4.59	0.55	4.59	4.59	0.67	4.59	4.59	0.74	4.59	4.59	0.80	4.59	4.59	0.85	4.59	4.59	0.95	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	4.59	4.59	1.46	
44.9	13		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	4.61	4.61	1.46	4.61	4.61	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	0.75	6.15	4.82	0.85	6.15	4.82	0.96	6.15	4.82	1.06	5.87	4.69	1.16	5.59	4.56	1.26	5.31	4.42	1.36	5.03	4.29	1.47	4.61	4.61	1.47	4.61	4.61	1.47				
22.9	11	22	4.58	4.58	0.41	4.58	4.58	0.41	4.58	4.58	0.50	4.58	4.58	0.55	4.58	4.58	0.55	4.58	4.58	0.67	4.58	4.58	0.68	4.58	4.58	0.80	4.58	4.58	0.85	4.58	4.58	0.95	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	4.58	4.58	1.46	
34.8	13		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	4.61	4.61	1.46	4.61	4.61	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	0.76	6.29	5.15	0.96	6.29	5.15	1.06	6.01	5.02	1.16	5.73	4.89	1.26	5.45	4.76	1.37	5.17	4.63	1.47	4.61	4.61	1.47	
54.3	16		6.44	5.44	0.86	6.44	4.74	0.86	6.44	4.74	0.86	6.44	4.74	0.86	6.44	4.74	0.86	6.44	4.74	0.86	6.44	4.74	0.86	6.44	4.74	0.86	6.44	4.74	0.86	6.44	4.74	0.96	6.44	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	4.61	4.61	1.47	
21.2	12		5.44	5.44	0.44	5.44	5.44	0.44	5.44	5.44	0.53	5.44	5.44	0.59	5.44	5.44	0.59	5.44	5.44	0.70	5.44	5.44	0.84	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	4.61	4.61	1.46	4.61	4.61	1.46				
32.1	14	24	6.15	6.15	0.54	6.15	6.15	0.59	6.15	6.15	0.64	6.15	6.15	0.70	6.15	6.15	0.75	6.15	6.15	0.85	6.15	6.15	0.96	6.15	6.15	1.06	6.15	6.15	1.16	5.87	5.87	1.16	5.59	5.59	1.26	5.31	5.31	1.36	5.03	5.03	1.47	4.61	4.61	1.47	4.61	4.61	1.47				
43.8	16		6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	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	4.61	4.61	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	0.86	6.56	5.06	0.86	6.56	5.06	1.07	6.28	4.93	1.17	6.00	4.81	1.27	5.72	4.70	1.37	5.44	4.58	1.47	4.61	4.61	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	0.65	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	4.61	4.61	1.47	4.61	4.61	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	0.76	6.29	6.29	0.76	6.29	6.29	0.76	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	4.61	4.61	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	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	4.61	4.61	1.47				

4D151949

5 Capacity tables

5 - 1 Cooling Capacity Tables

FNA50A9 / RZAG35B

FNA50A2VEB9 + RZAG35B5V1B

Performance characteristics for 'EDP' room

Cooling

[illegible]

Symbols

RH: Relative humidity [%]

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

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

TC: Total capacity [kW]

SHC: Sensible heat capacity [kW]

PI: Power input [kW]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. 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

4D151947

FNA60A9 / RZAG50B

FNA60A2VEB9 + RZAG50B5V1B

Performance characteristics for 'EDP' room

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	TC	SHC	PI	TC	SHC	PI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			°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	°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	°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	°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	°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	°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	°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	°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	°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	°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	°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	°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	°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	°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	°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	°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	°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	°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	°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	°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	°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</

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]

BH: 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

4D151948

5 Capacity tables

5 - 2 Cooling/Heating Capacity Tables

FCAG35B / RZAG35A

FCAG35BVEB + RZAG35B5V1B

Cooling · 50Hz, 220-240V·

AFR	12,5
BF	0,24

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	2,72	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	2,41	0,84
16,0	22	3,75	2,67	0,61	3,58	2,60	0,67	3,42	2,53	0,73	3,36	2,50	0,75	3,26	2,45	0,79	3,10	2,38	0,85
18,0	25	3,91	2,81	0,62	3,75	2,74	0,68	3,58	2,67	0,73	3,52	2,64	0,76	3,42	2,60	0,79	3,26	2,54	0,85
19,0	27	3,99	2,97	0,62	3,83	2,91	0,68	3,66	2,84	0,74	3,60	2,81	0,76	3,50	2,77	0,80	3,34	2,71	0,85
22,0	30	4,23	2,87	0,62	4,07	2,81	0,68	3,90	2,75	0,74	3,84	2,73	0,77	3,74	2,69	0,80	3,58	2,64	0,86
24,0	32	4,39	2,80	0,63	4,23	2,74	0,69	4,07	2,69	0,75	4,00	2,67	0,77	3,90	2,64	0,80	3,74	2,58	0,86

Heating · 50Hz, 220-240V·

AFR	12,5
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		1,90	0,75	2,29	0,79	2,67	0,82	3,06	0,86	4,14	0,91	4,50	0,94
20,0		1,79	0,77	2,17	0,81	2,56	0,85	2,94	0,88	4,00	0,93	4,36	0,96
22,0		1,74	0,78	2,12	0,82	2,51	0,85	2,89	0,89	3,94	0,94	4,31	0,97
24,0		1,69	0,79	2,08	0,82	2,46	0,86	2,85	0,90	3,89	0,95	4,25	0,98
25,0		1,67	0,79	2,05	0,83	2,44	0,87	2,82	0,90	3,86	0,95	4,22	0,98
27,0		1,62	0,80	2,01	0,84	2,39	0,88	2,77	0,91	3,81	0,96	4,17	0,99

Symbols

AFR: Air flow rate [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.
- The bold cells indicate the standard conditions.
- 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.

4D151947

FCAG50B / RZAG50B

FCAG50BVEB + RZAG50B5V1B

Cooling · 50Hz, 220-240V·

AFR	12,6
BF	0,21

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	20	4,66	3,02	0,93	4,66	3,02	1,05	4,66	3,02	1,17	4,56	3,02	1,21	4,42	3,02	1,27	4,19	3,02	1,36
16	22	5,35	3,42	0,99	5,12	3,38	1,08	4,89	3,26	1,18	4,79	3,22	1,22	4,65	3,15	1,27	4,42	3,04	1,37
18	25	5,58	3,62	0,99	5,35	3,51	1,09	5,12	3,40	1,18	5,02	3,36	1,22	4,88	3,30	1,28	4,65	3,19	1,37
19	27	5,70	3,78	1,00	5,47	3,68	1,09	5,23	3,57	1,19	5,14	3,53	1,23	5,00	3,47	1,28	4,77	3,37	1,38
22	30	6,04	3,63	1,01	5,81	3,54	1,10	5,58	3,45	1,20	5,49	3,41	1,23	5,35	3,35	1,29	5,11	3,26	1,39
24	32	6,27	3,52	1,01	6,04	3,44	1,11	5,81	3,35	1,20	5,72	3,32	1,24	5,58	3,27	1,30	5,34	3,19	1,39

Heating · 50Hz, 220-240V·

AFR	12,6
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		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		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		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		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		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		2,35	1,34	2,91	1,41	3,47	1,47	4,02	1,54	5,52	1,61	6,04	1,62

Symbols

AFR: Air flow rate [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.
- The bold cells indicate the standard conditions.
- 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.

4D151948

5 Capacity tables

5 - 2 Cooling/Heating Capacity Tables

FCAG60B / RZAG60B

FCAG60BVEB + RZAG60B5V1B

Cooling · 50Hz, 220-240V·

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	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	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	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	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	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	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 · 50Hz, 220-240V·

AFR	13,6
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		3,39	1,66	4,08	1,74	4,76	1,83	5,44	1,91	7,24	2,01	7,87	2,08
20		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		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		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		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		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.
- The bold cells indicate the standard conditions.
- 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.

4D151949

FFA35A9 / RZAG35B

FFA35A2VEB9 + RZAG35B5V1B

Cooling · 50Hz, 220-240V·

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 · 50Hz, 220-240V·

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

Symbols

AFR: Air flow rate [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.
- The bold cells indicate the standard conditions.
- 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.

4D151947

5 Capacity tables

5 - 2 Cooling/Heating Capacity Tables

FFA50A9 / RZAG50B

FFA50A2VEB9 + RZAG50B5V1B

Cooling · 50Hz, 220-240V·

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	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	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	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	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	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	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 · 50Hz, 220-240V·

AFR	12,7
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		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		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		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		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		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		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
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.
- The bold cells indicate the standard conditions.
- 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.

4D151948

FFA60A9 / RZAG60B

FFA60A2VEB9 + RZAG60B5V1B

Cooling · 50Hz, 220-240V·

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	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	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	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	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	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	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 · 50Hz, 220-240V·

AFR	14,5
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		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		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		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		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		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		2,84	2,07	3,51	2,17	4,18	2,27	4,86	2,37	6,66	2,49	7,27	2,57

Symbols

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

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.
- 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.

4D151949

5 Capacity tables

5 - 2 Cooling/Heating Capacity Tables

FDXM35F9 / RZAG35B

FDXM35F3V1B9 + RZAG35B5V1B

Cooling · 50Hz, 220-240V·

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 · 50Hz, 220-240V·

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

Symbols

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

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.
- 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.

4D151947

FDXM50F9 / RZAG50B

FDXM50F3V1B9 + RZAG50B5V1B

Cooling · 50Hz, 220-240V·

AFR	15,8
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	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	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	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	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	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	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

Heating · 50Hz, 220-240V·

AFR	15,8
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		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		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		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		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		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		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.
- The bold cells indicate the standard conditions.
- 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.

4D151948

5 Capacity tables

5 - 2 Cooling/Heating Capacity Tables

FDXM60F3 / RZAG60B

FDXM60F3V1B9 + RZAG60B5V1B

Cooling · 50Hz, 220-240V·

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	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	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	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	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	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	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 · 50Hz, 220-240V·

AFR	16,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	-15			-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
15	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	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	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	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	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	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.
- The bold cells indicate the standard conditions.
- 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.

4D151949

FDXM60F9 / RZAG60B

FDXM60F3V1B9 + RZAG60B5V1B

Cooling · 50Hz, 220-240V·

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	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	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	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	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	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	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 · 50Hz, 220-240V·

AFR	16,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		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		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		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		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		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		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.
- The bold cells indicate the standard conditions.
- 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.

4D151949

5 Capacity tables

5 - 2 Cooling/Heating Capacity Tables

FBA35A9 / RZAG35B

FBA35A2VEB9 + RZAG35B5V1B

Cooling · 50Hz, 220-240V·

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 · 50Hz, 220-240V·

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

Symbols

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

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.
- 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.

4D151947

FBA50A9 / RZAG50B

FBA50A2VEB9 + RZAG50B5V1B

Cooling · 50Hz, 220-240V·

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	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	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	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	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	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	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 · 50Hz, 220-240V·

AFR	15,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		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		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		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		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		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		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.
- The bold cells indicate the standard conditions.
- 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.

4D151948

5 Capacity tables

5 - 2 Cooling/Heating Capacity Tables

FBA60A9 / RZAG60B

FBA60A2VEB9 + RZAG60B5V1B

Cooling · 50Hz, 220-240V·

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	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	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	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	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	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	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 · 50Hz, 220-240V·

AFR	18,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		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		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		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		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		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		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.
- The bold cells indicate the standard conditions.
- 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.

4D151949

FTXM35A / RZAG35B

FTXM35A2V1B + RZAG35B5V1B

FTXM35A5V1B + RZAG35B5V1B

Cooling · 50Hz, 220-240V·

AFR	13,2
BF	0,23

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	20	3,59	2,79	0,62	3,42	2,71	0,68	3,26	2,63	0,74	3,19	2,60	0,77	3,10	2,55	0,80	2,93	2,48	0,87
16	22	3,75	2,74	0,63	3,58	2,67	0,69	3,42	2,59	0,75	3,36	2,57	0,77	3,26	2,52	0,81	3,10	2,45	0,87
18	25	3,91	2,89	0,63	3,75	2,82	0,69	3,58	2,75	0,75	3,52	2,73	0,78	3,42	2,69	0,81	3,26	2,62	0,87
19	27	3,99	3,07	0,63	3,83	3,00	0,69	3,66	2,93	0,75	3,60	2,91	0,78	3,50	2,87	0,81	3,34	2,81	0,87
22	30	4,23	2,96	0,64	4,07	2,91	0,70	3,90	2,85	0,76	3,84	2,82	0,78	3,74	2,79	0,82	3,58	2,73	0,88
24	32	4,39	2,89	0,64	4,23	2,84	0,70	4,07	2,79	0,76	4,00	2,76	0,79	3,90	2,73	0,82	3,74	2,68	0,88

Heating · 50Hz, 220-240V·

AFR	11,1
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		1,98	0,83	2,51	0,87	3,04	0,90	3,57	0,94	4,21	0,99	4,64	1,02
20		1,77	0,88	2,30	0,92	2,83	0,96	3,36	0,99	4,00	1,04	4,43	1,07
22		1,68	0,90	2,22	0,94	2,75	0,98	3,28	1,01	3,92	1,06	4,34	1,09
24		1,60	0,92	2,13	0,96	2,66	1,00	3,19	1,04	3,83	1,08	4,26	1,11
25		1,56	0,93	2,09	0,97	2,62	1,01	3,15	1,05	3,79	1,09	4,22	1,12
27		1,47	0,95	2,01	0,99	2,54	1,03	3,07	1,07	3,71	1,11	4,13	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.
- The bold cells indicate the standard conditions.
- 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.

4D151947

5 Capacity tables

5 - 2 Cooling/Heating Capacity Tables

FTXM50A / RZAG50B

FTXM50A2V1B + RZAG50B5V1B
FTXM50A5V1B + RZAG50B5V1B

Cooling · 50Hz, 220-240V·

AFR	12,7
BF	0,24

Indoor temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	4,12	3,04	0,72	4,12	3,04	0,83	4,12	3,04	0,96	4,12	3,04	1,02	4,12	3,04	1,11	4,12	3,04	1,29
16	22	5,23	3,44	0,93	5,12	3,39	1,06	4,89	3,27	1,15	4,79	3,22	1,19	4,65	3,16	1,24	4,42	3,04	1,33
18	25	5,58	3,63	0,97	5,35	3,52	1,06	5,12	3,41	1,15	5,02	3,37	1,19	4,88	3,30	1,25	4,65	3,20	1,34
19	27	5,70	3,79	0,97	5,47	3,68	1,07	5,23	3,58	1,16	5,14	3,54	1,19	5,00	3,48	1,25	4,77	3,38	1,34
22	30	6,04	3,64	0,98	5,81	3,55	1,07	5,58	3,45	1,17	5,49	3,42	1,20	5,35	3,36	1,26	5,11	3,27	1,35
24	32	6,27	3,53	0,99	6,04	3,45	1,08	5,81	3,36	1,17	5,72	3,33	1,21	5,58	3,28	1,26	5,34	3,20	1,36

Heating · 50Hz, 220-240V·

AFR	14,5
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Indoor temperature		Outdoor temperature [°C WB]											
		-15		-10		-5		0		6		10	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		2,98	1,02	3,74	1,12	4,51	1,22	4,53	1,33	6,19	1,45	6,81	1,53
20		2,78	1,07	3,55	1,17	4,31	1,28	4,36	1,38	6,00	1,50	6,61	1,58
22		2,71	1,09	3,47	1,20	4,24	1,30	4,30	1,40	5,92	1,52	6,54	1,60
24		2,63	1,11	3,39	1,22	4,16	1,32	4,23	1,42	5,85	1,54	6,46	1,62
25		2,59	1,12	3,36	1,23	4,12	1,33	4,20	1,43	5,81	1,55	6,42	1,63
27		2,51	1,15	3,28	1,25	4,04	1,35	4,13	1,45	5,73	1,57	6,34	1,65

Heating capacity at nominal operating frequency, measured according to ·EN14511·.

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
°C WB: Wet-bulb temperature [°C WB]
°C DB: 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.
- The bold cells indicate the standard conditions.
- 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.

4D151948

FTXM60A / RZAG60B

FTXM60A2V1B + RZAG60B5V1B

Cooling · 50Hz, 220-240V·

AFR	16,7
BF	0,16

Indoor temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
EWB	WDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	6,15	4,45	1,31	5,87	4,31	1,44	5,59	4,17	1,57	5,48	4,11	1,62	5,31	4,03	1,70	5,03	3,89	1,82
16	22	6,42	4,37	1,32	6,14	4,24	1,45	5,86	4,11	1,58	5,75	4,05	1,63	5,59	3,97	1,70	5,31	3,85	1,83
18	25	6,70	4,56	1,33	6,42	4,44	1,46	6,14	4,31	1,58	6,03	4,26	1,63	5,86	4,19	1,71	5,58	4,07	1,84
19	27	6,84	4,80	1,33	6,56	4,67	1,46	6,28	4,56	1,59	6,17	4,51	1,64	6,00	4,44	1,71	5,72	4,32	1,84
22	30	7,25	4,62	1,35	6,97	4,51	1,47	6,69	4,41	1,60	6,58	4,36	1,65	6,41	4,30	1,73	6,14	4,20	1,85
24	32	7,53	4,49	1,35	7,25	4,39	1,48	6,97	4,30	1,61	6,86	4,26	1,66	6,69	4,20	1,73	6,41	4,11	1,86

Heating · 50Hz, 220-240V·

AFR	16,5
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Indoor temperature		Outdoor temperature [°C WB]											
		-15		-10		-5		0		6		10	
EDB		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		4,87	1,72	5,43	1,76	5,98	1,80	5,89	1,84	7,21	1,89	7,66	1,92
20		4,66	1,77	5,22	1,81	5,77	1,85	5,70	1,89	7,00	1,94	7,45	1,97
22		4,58	1,79	5,13	1,83	5,69	1,87	5,62	1,91	6,92	1,96	7,36	1,99
24		4,49	1,81	5,05	1,85	5,61	1,89	5,55	1,93	6,83	1,98	7,28	2,01
25		4,40	1,79	5,01	1,86	5,56	1,90	5,51	1,94	6,79	1,99	7,24	2,02
27		3,89	1,55	4,92	1,88	5,48	1,92	5,43	1,96	6,71	2,01	7,15	2,04

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.
- The bold cells indicate the standard conditions.
- 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.

4D151949

5 Capacity tables

5 - 2 Cooling/Heating Capacity Tables

FHA35A9 / RZAG35B

FHA35AVEB98 + RZAG35B5V1B

Cooling · 50Hz, 220-240V·

AFR	14,0
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	3,59	2,96	0,58	3,42	2,88	0,64	3,26	2,80	0,70	3,19	2,77	0,72	3,10	2,73	0,75	2,93	2,66	0,81
16,0	22	3,75	2,91	0,59	3,58	2,84	0,64	3,42	2,77	0,70	3,36	2,74	0,72	3,26	2,70	0,75	3,10	2,63	0,81
18,0	25	3,91	3,09	0,59	3,75	3,02	0,65	3,58	2,96	0,70	3,52	2,93	0,72	3,42	2,89	0,76	3,26	2,83	0,81
19,0	27	3,99	3,30	0,59	3,83	3,23	0,65	3,66	3,17	0,70	3,60	3,14	0,73	3,50	3,11	0,76	3,34	3,04	0,82
22,0	30	4,23	3,19	0,60	4,07	3,14	0,65	3,90	3,08	0,71	3,84	3,06	0,73	3,74	3,03	0,77	3,58	2,97	0,82
24,0	32	4,39	3,12	0,60	4,23	3,07	0,66	4,07	3,02	0,71	4,00	3,00	0,73	3,90	2,97	0,77	3,74	2,92	0,82

Heating · 50Hz, 220-240V·

AFR	14,0
-----	------

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		1,90	0,79	2,29	0,83	2,67	0,87	3,06	0,91	4,14	0,95	4,50	0,99
20,0		1,79	0,81	2,17	0,85	2,56	0,89	2,94	0,93	4,00	0,98	4,36	1,01
22,0		1,74	0,82	2,12	0,86	2,51	0,90	2,89	0,94	3,94	0,98	4,31	1,02
24,0		1,69	0,82	2,08	0,86	2,46	0,91	2,85	0,95	3,89	0,99	4,25	1,03
25,0		1,67	0,83	2,05	0,87	2,44	0,91	2,82	0,95	3,86	1,00	4,22	1,03
27,0		1,62	0,84	2,01	0,88	2,39	0,92	2,77	0,96	3,81	1,01	4,17	1,04

Symbols

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

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.
- 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.

4D151947

FHA50A9 / RZAG50B

FHA50AVEB98 + RZAG50B5V1B

Cooling · 50Hz, 220-240V·

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	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	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	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	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	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	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 · 50Hz, 220-240V·

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		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		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		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		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		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		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.
- The bold cells indicate the standard conditions.
- 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.

4D151948

5 Capacity tables

5 - 2 Cooling/Heating Capacity Tables

FHA60A9 / RZAG60B

FHA60AVEB98 + RZAG60B5V1B

Cooling · 50Hz, 220-240V·

AFR	19,5
BF	0,2

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	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	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	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	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	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	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 · 50Hz, 220-240V·

AFR	19,5
-----	------

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		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		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		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		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		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		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.
- The bold cells indicate the standard conditions.
- 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.

4D151949

FNA35A9 / RZAG35B

FNA35A2VEB9 + RZAG35B5V1B

Cooling · 50Hz, 220-240V·

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 · 50Hz, 220-240V·

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

Symbols

AFR: Air flow rate [m³/min]

BF: Bypass factor

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

EDB: Entering dry-bulb temperature [°C DB]

TC: Total capacity [kW]

SHC: Sensible heat capacity [kW]

PI: Power input [kW]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.
- 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.

4D151947

5 Capacity tables

5 - 2 Cooling/Heating Capacity Tables

FNA50A9 / RZAG50B

FNA50A2VEB9 + RZAG50B5V1B

Cooling · 50Hz, 220-240V·

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	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	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	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	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	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	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 · 50Hz, 220-240V·

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		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		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		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		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		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		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.
- The bold cells indicate the standard conditions.
- 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.

4D151948

FNA60A9 / RZAG60B

FNA60A2VEB9 + RZAG60B5V1B

Cooling · 50Hz, 220-240V·

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	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	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	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	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	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	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 · 50Hz, 220-240V·

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		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		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		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		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		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		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.
- The bold cells indicate the standard conditions.
- 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.

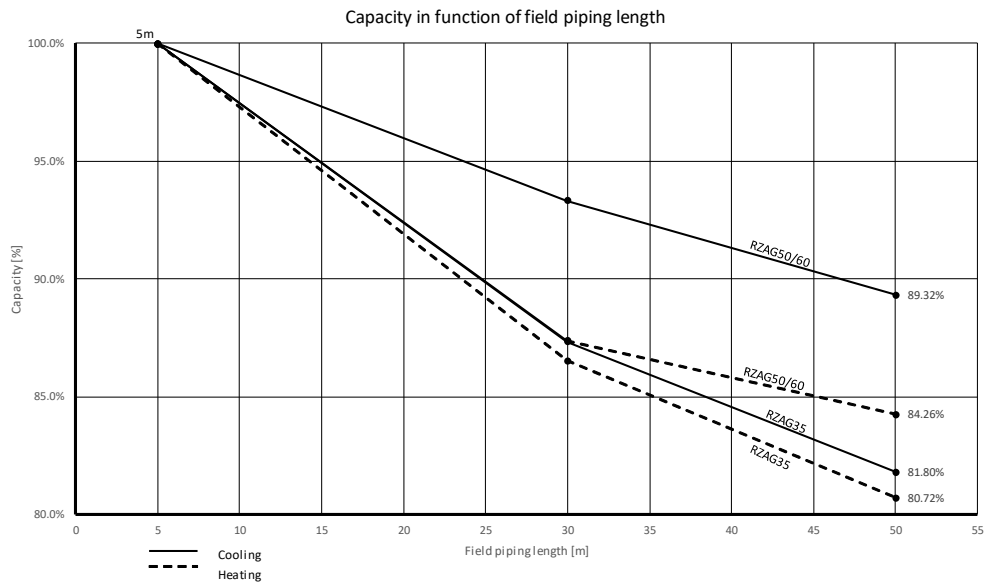
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5 Capacity tables

5 - 3 Capacity Correction Factor

RZAG-B

5



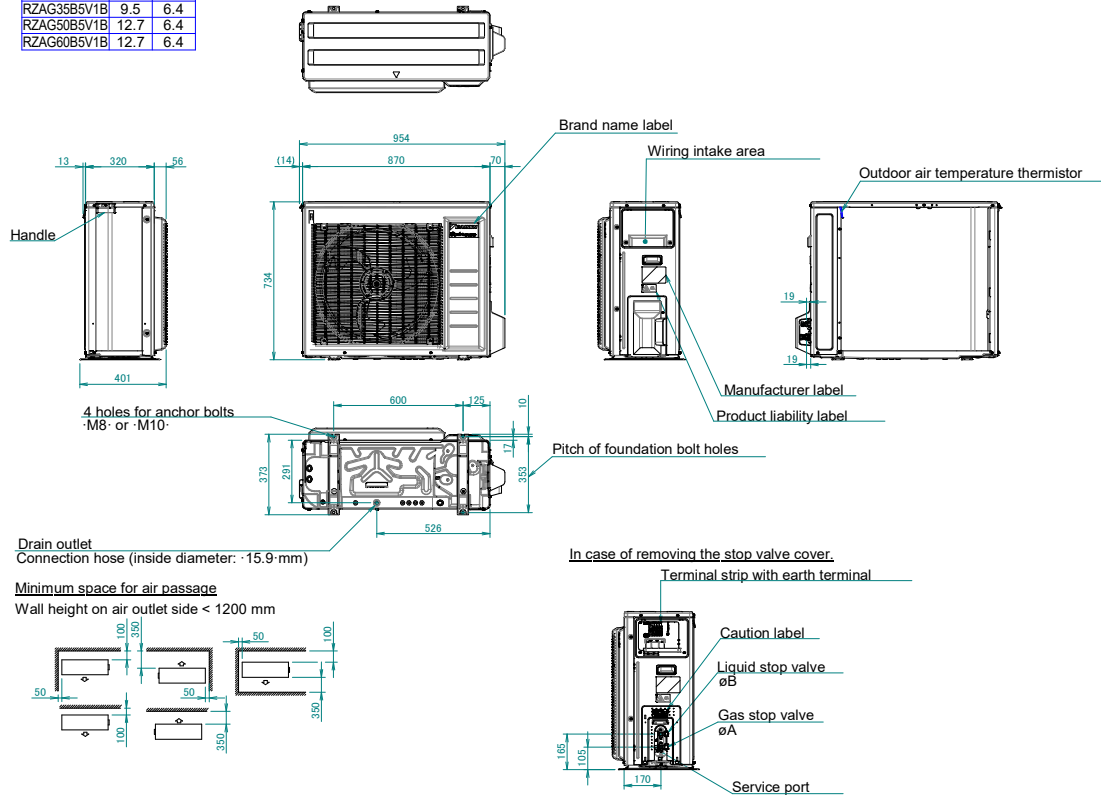
3D121942

6 Dimensional drawings

6 - 1 Dimensional Drawings

RZAG-B

Model	øA	øB
RZAG35B5V1B	9.5	6.4
RZAG50B5V1B	12.7	6.4
RZAG60B5V1B	12.7	6.4

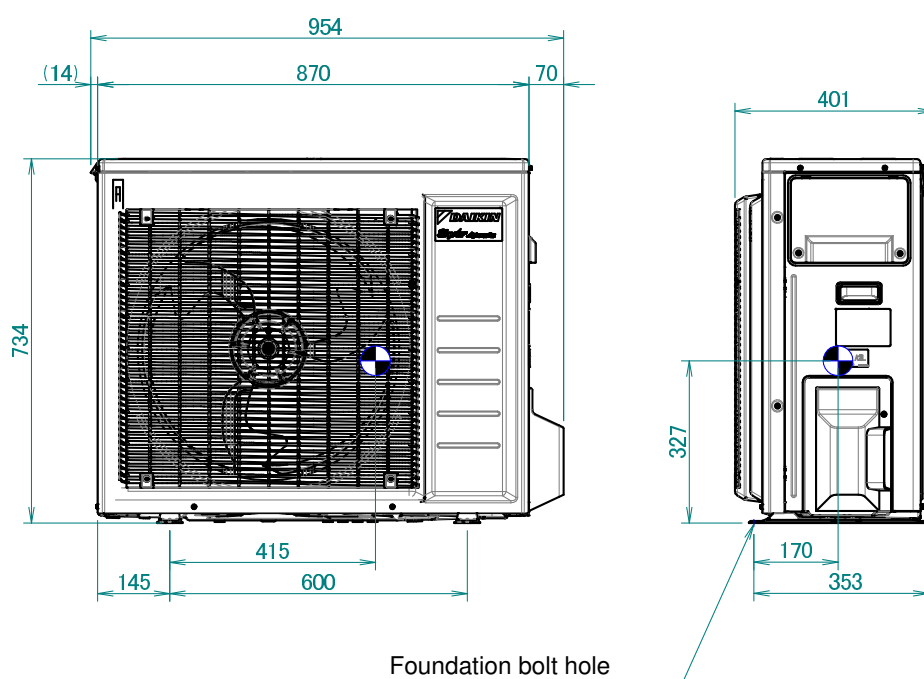


3D151825

7 Centre of gravity

7 - 1 Centre of Gravity

RZAG-B



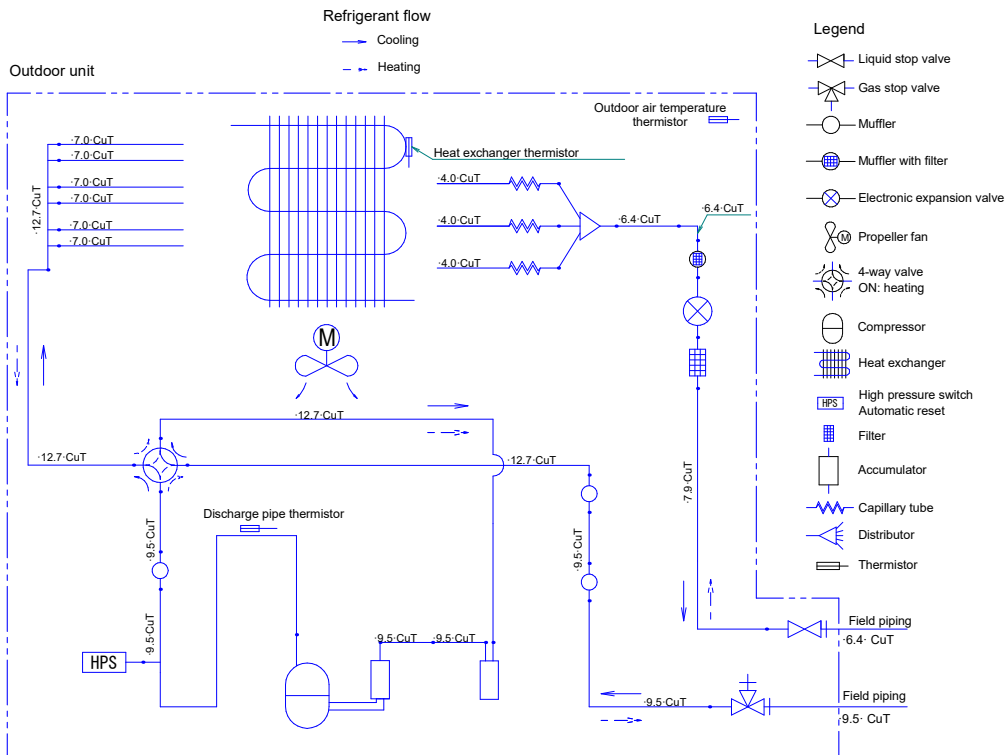
4D151958

8 Piping diagrams

8 - 1 Piping Diagrams

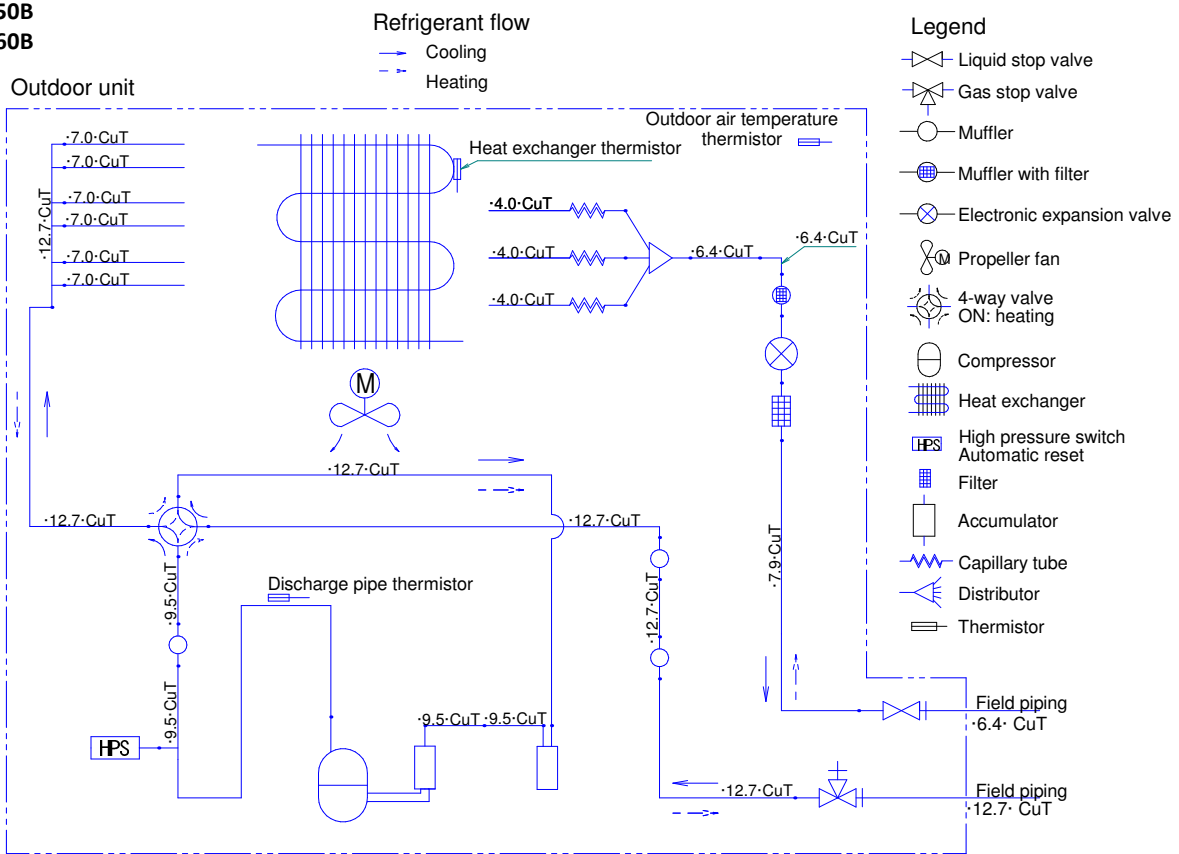
8

RZAG35B



3D151230

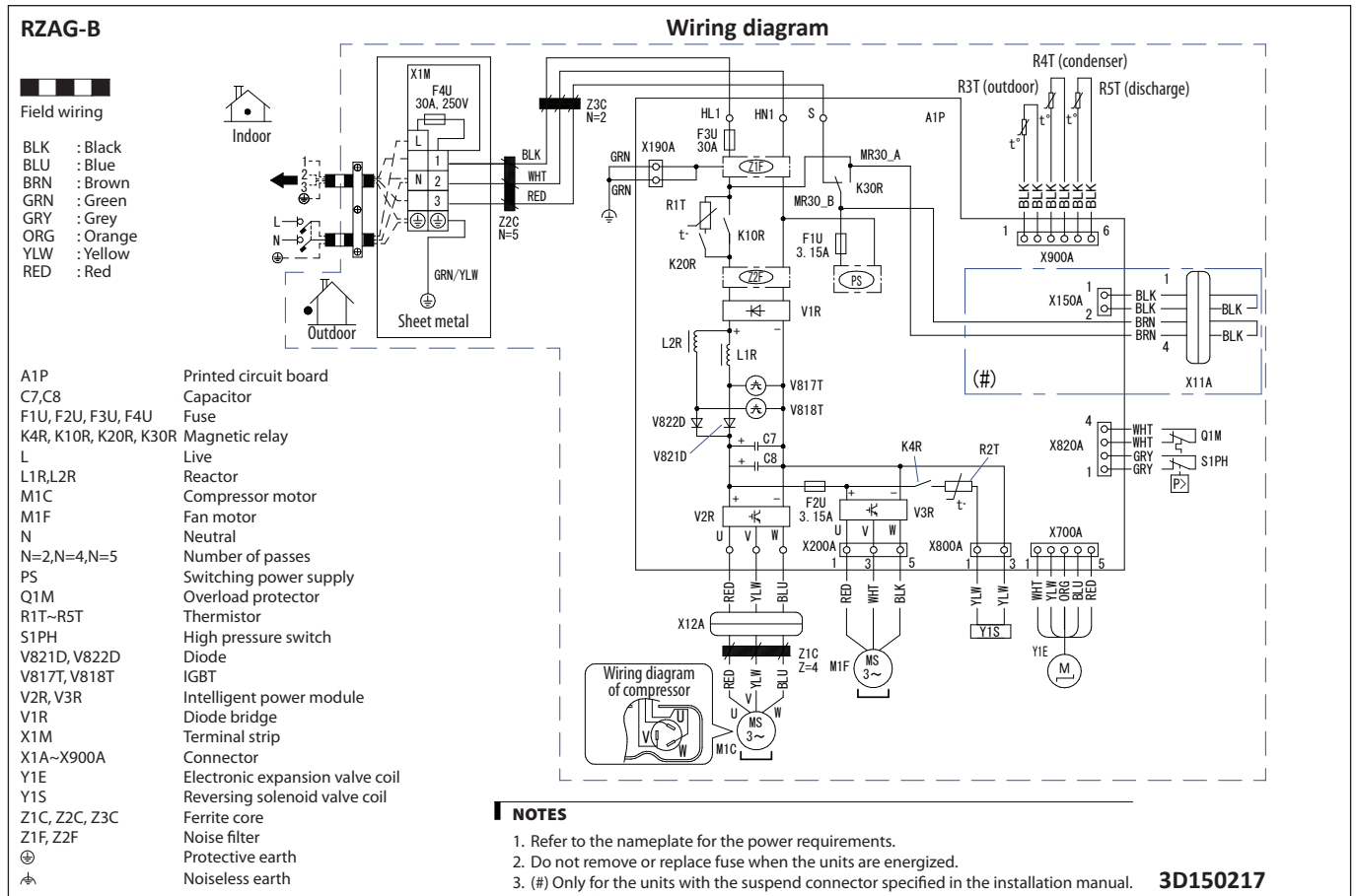
RZAG50B RZAG60B



3D151229

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

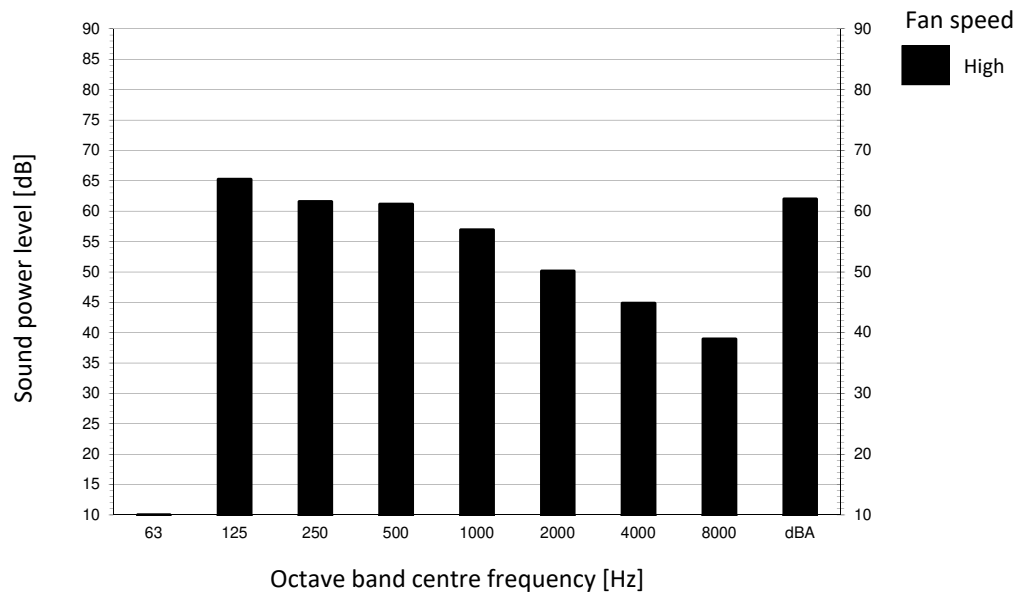


10 Sound data

10 - 1 Sound Power Spectrum

RZAG35B

Cooling mode



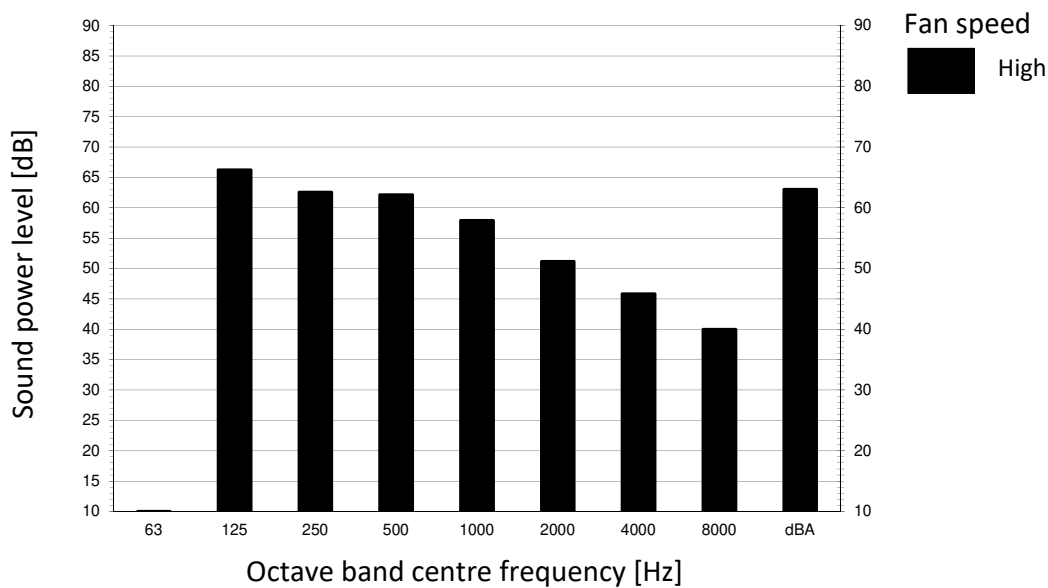
Notes

- 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

RZAG50B

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

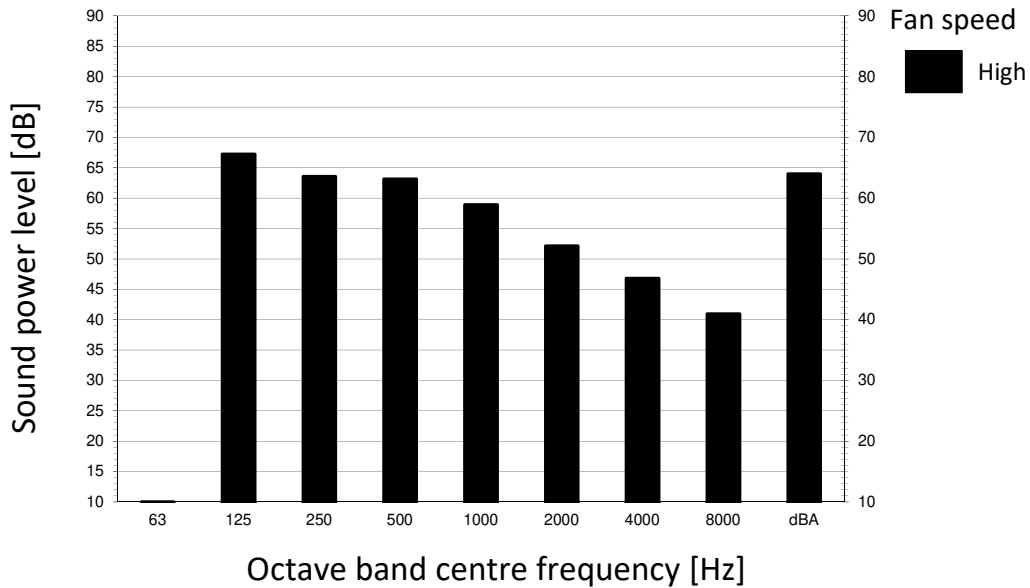
3D120219

10 Sound data

10 - 1 Sound Power Spectrum

RZAG60B

Cooling mode



Notes

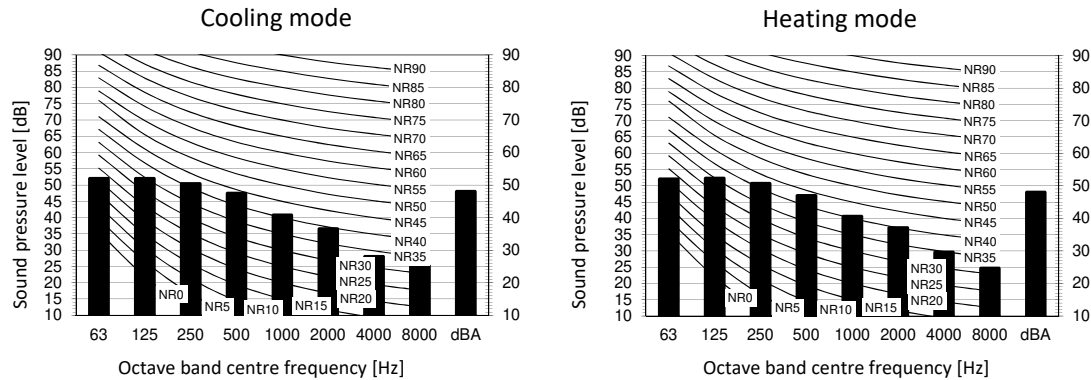
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic pressure 0 dB = 20 μ Pa
3. Measured according to ISO 3744

3D120196

10 Sound data

10 - 2 Sound Pressure Spectrum

RZAG35B



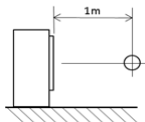
Legend

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

A Scale

B Fan speed: High

Location of microphone

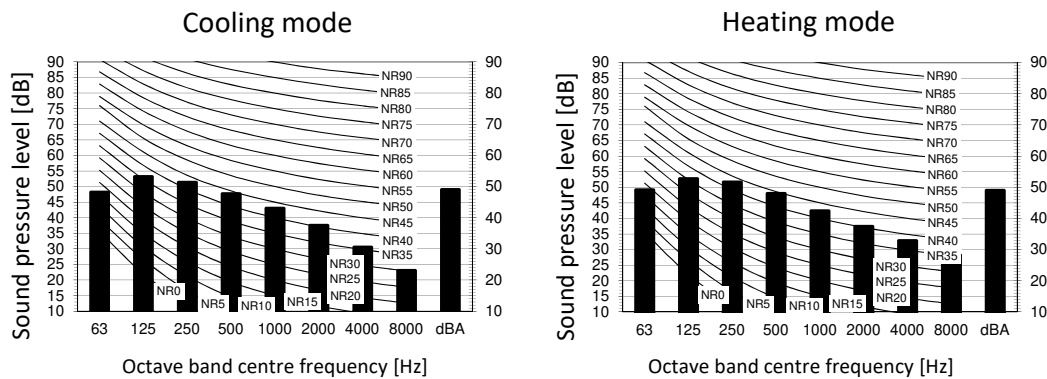


Notes

- 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

RZAG50B



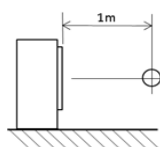
Legend

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

A Scale

B Fan speed: High

Location of microphone



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

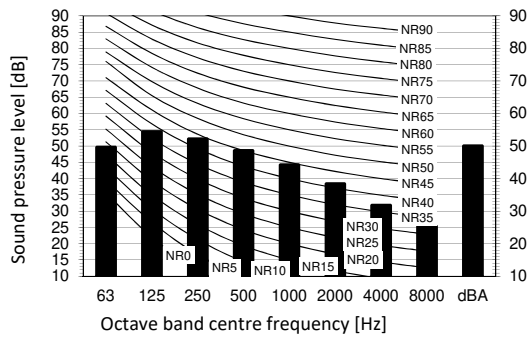
3D120184

10 Sound data

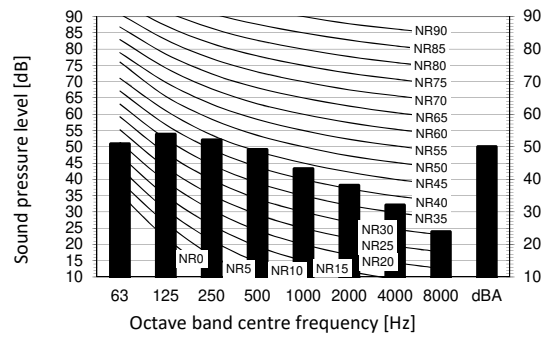
10 - 2 Sound Pressure Spectrum

RZAG60B

Cooling mode



Heating mode



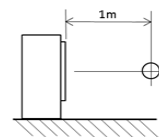
Legend

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	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

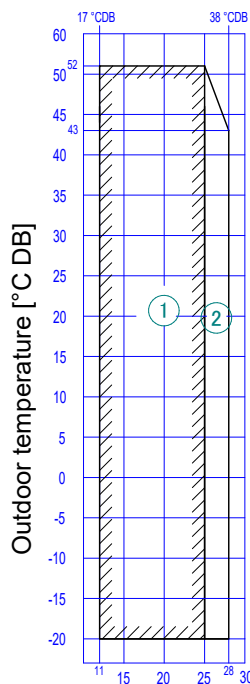
3D120185

11 Operation range

11 - 1 Operation Range

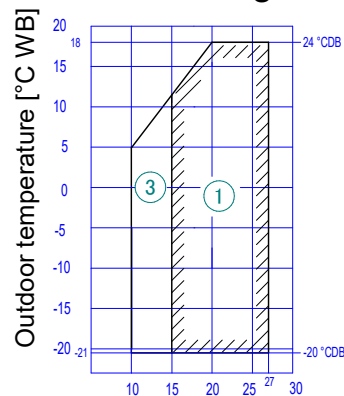
RZAG-B

Cooling



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

Heating



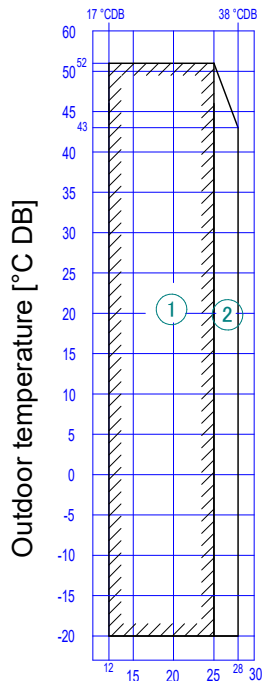
Notes

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

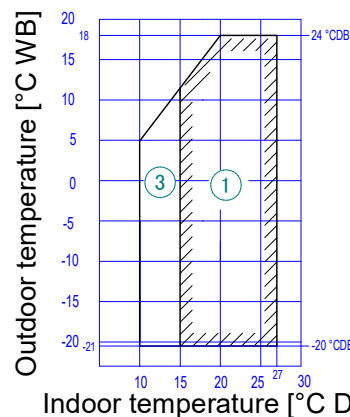
RZAG-B

Cooling



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

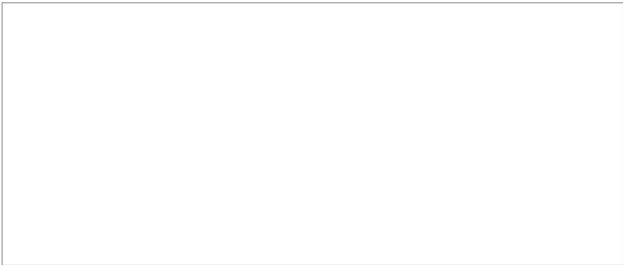
Heating



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



EEDEN24

08/2024

