

Air Conditioning
Technical Data

RZAG-A

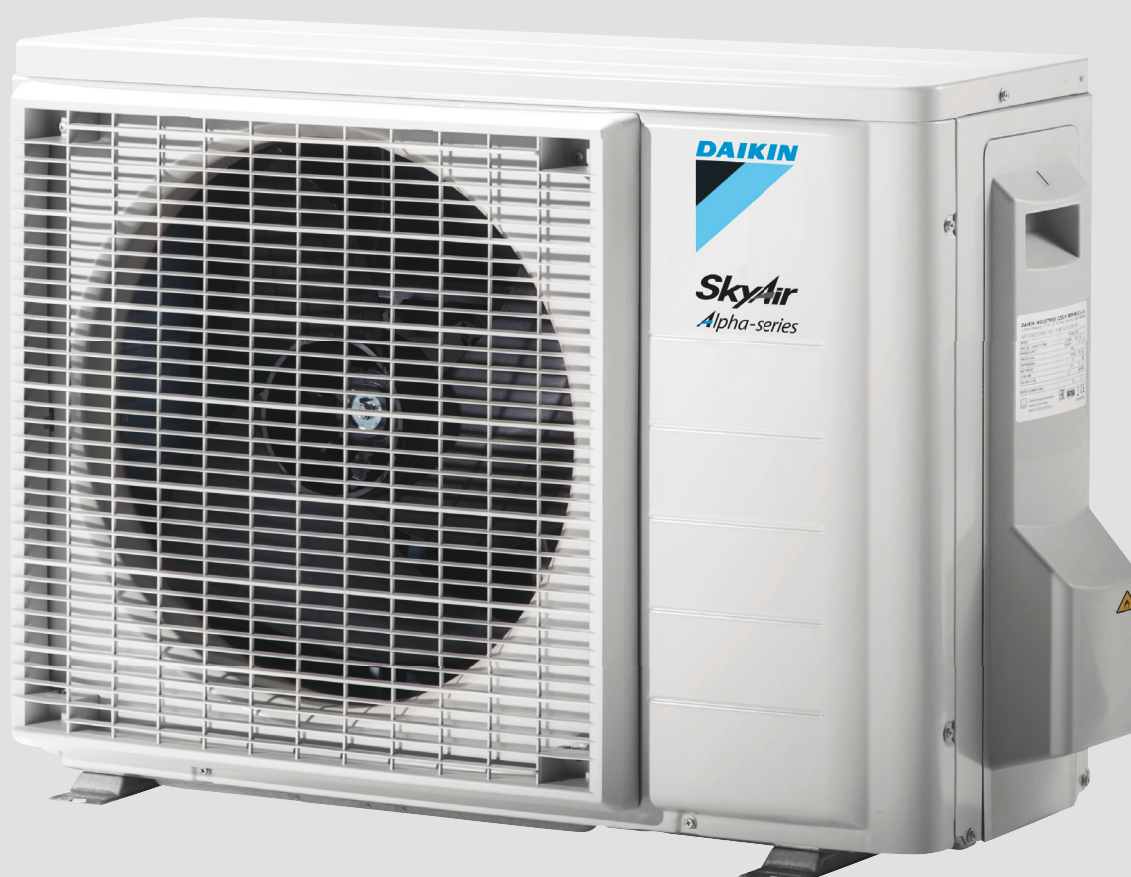


TABLE OF CONTENTS

RZAG-A

1	Features	2
2	Specifications	3
	Capacity and Power input	3
	Capacity and Power input	5
	Capacity and Power input	7
	Capacity and Power input	9
	Capacity and Power input	11
	Capacity and Power input	13
	Capacity and Power input	15
	Technical Specifications	17
	Electrical Specifications	18
3	Electrical data	19
4	Capacity tables	21
	Cooling Capacity Tables	21
	Cooling/Heating Capacity Tables	30
5	Dimensional drawings	41
6	Centre of gravity	42
7	Piping diagrams	43
8	Wiring diagrams	44
	Wiring Diagrams - Single Phase	44
9	Sound data	45
	Sound Power Spectrum	45
	Sound Pressure Spectrum	47
10	Operation range	49

1 Features

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 lower refrigerant charge
- Suits high sensible, infrastructure cooling applications
- Replace existing systems with R-32 technology without needing to replace the piping
- Guarantees operation in both heating and cooling mode down to -20°C
- Maximum piping length up to 50m
- Exclusively offered for pair applications (capacity from 35 up to 60)



Infrastructure cooling



Inverter



Auto cooling-heating changeover

2 Specifications

2-1 Capacity and Power input				FCAG35A/ RZAG35A	FCAG50A/ RZAG35A	FCAG50A/ RZAG50A	FCAG60A/ RZAG50A	FCAG60A/ RZAG60A	FCAG71A/ RZAG60A	
Indoor unit				FCAG35AVEB	FCAG50AVEB		FCAG60AVEB		FCAG71AVEB	
Outdoor unit				RZAG35A2V1B		RZAG50A2V1B		RZAG60A2V1B		
Cooling capacity	Min.		kW	1.6		1.7				
			Btu/h	5,500.0		5,800.0				
			kcal/h	1,376.0		1,462.0				
	Nom.		kW	3.5		5.0		6.0		
			Btu/h	11,900.0		17,100.0		20,500.0		
			kcal/h	3,009.0		4,299.0		5,159.0		
	Max.		kW	4.5		6.0		6.5		
			Btu/h	15,400.0		20,500.0		22,200.0		
			kcal/h	3,869.0		5,159.0		5,589.0		
Heating capacity	Min.		kW	1.40		1.50		1.60		
			Btu/h	4,800.0		5,100.0		5,500.0		
			kcal/h	1,200.0		1,290.0	1,300.0	1,380.0	1,400.0	
	Nom.		kW	4.00		5.80		7.00		
			Btu/h	13,700.0	13,600.0	19,800.0		23,900.0		
			kcal/h	3,439.0		4,987.0		6,019.0		
	Max.		kW	5.00		6.00		7.50		
			Btu/h	17,000.0	17,100.0	20,500.0		25,600.0		
			kcal/h	4,299.0		5,159.0		6,449.0		
Power input	Cooling	Nom.	kW	0.80	0.77	1.28	1.26	1.76	1.58	
	Heating	Nom.	kW	0.93	0.91	1.56	1.55	2.06	1.98	
Space cooling	Energy efficiency class			A++						
	Capacity	Pdesign	kW	3.50		5.00		6.00		
	SEER			7.30	7.40	6.80	6.93	6.60	6.82	
	Annual energy consumption			kWh/a	168	166	257	252	318	308
	A Condition (35°C - 27/19)	Pdc	kW	3.50		5.00		6.00		
		EERd		4.40	4.57	3.90	3.98	3.40	3.79	
		Power input	kW	0.80	0.77	1.28	1.26	1.76	1.58	
	B Condition (30°C - 27/19)	Pdc	kW	2.58		3.68		4.42		
		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 (25°C - 27/19)	Pdc	kW	1.50	1.87	2.37		2.84		
		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 (20°C - 27/19)	Pdc	kW	1.59	1.85		1.88		1.92	
		EERd		13.20	13.42	12.89	13.30	12.82	12.98	
		Power input	kW	0.12	0.14			0.15		

2 Specifications

2

2-1 Capacity and Power input					FCAG35A/ RZAG35A	FCAG50A/ RZAG35A	FCAG50A/ RZAG50A	FCAG60A/ RZAG50A	FCAG60A/ RZAG60A	FCAG71A/ RZAG60A
Space heating (Average climate)	Energy efficiency class				A+					
	Capacity	Pdesign	kW		3.30		4.30		4.60	
	SCOP/A				4.30	4.41	4.30	4.35	4.25	4.39
	SCOPnet/A				4.34	4.45	4.34	4.39	4.29	4.43
	Pdh Heating capacity at -10°		kW		2.91		3.68	3.73	3.96	4.00
	Annual energy consumption		kWh/a		1,074	1,048	1,398	1,384	1,515	1,467
	Required back up heating cap at design conditions		kW		0.39		0.62	0.57	0.64	0.60
	TOL	Tol (temperature operating limit)	°C		-20					
		Pdh (declared heating cap)	kW		2.87	2.90	3.30	3.47	3.59	3.77
		COPd (declared COP)		2.24	2.28	2.15	2.16	2.11	2.19	
		Power input	kW		1.28	1.27	1.53	1.61	1.70	1.72
	TBivalent	Tbiv (bivalent temperature)	°C		-7					
		Pdh (declared heating cap)	kW		2.92		3.80	3.81	4.07	
		COPd (declared COP)		2.71	2.79	2.65	2.68	2.59	2.69	
		Power input	kW		1.08	1.05	1.43	1.42	1.57	1.51
	A Condition (-7°C)	Pdh (declared heating cap)	kW		2.92		3.80	3.81	4.07	
		COPd (declared COP)		2.71	2.79	2.65	2.68	2.59	2.69	
		Power input	kW		1.08	1.05	1.43	1.42	1.57	1.51
	B 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	1.60		1.61		1.63
		COPd (declared COP)		7.83	8.02	7.88	7.97	7.88	8.05	
		Power input	kW		0.20					
Cooling	Cdc (Degradation cooling)				0.25					
Heating	Cdh (Degradation heating)				0.25					
Cooling function included					Yes					
Heating function included					Yes					
Average climate included					Yes					
Cold season included					No					
Warm season included					No					
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62		63		64	
	Sound power level indoor	Cooling	Nom.	dBA	49			51		
	Piping length	Cooling	Measuring condition	m	5.0					
Nominal efficiency	EER				4.40	4.57	3.90	3.98	3.40	3.79
	COP				4.30	4.41	3.71	3.75	3.40	3.53
	Annual energy consumption		kWh		398	383	641	628	882	792
	Energy labeling Directive	Cooling			A					
		Heating			A				C	B

2 Specifications

2-1 Capacity and Power input					FCAG35A/ RZAG35A	FCAG50A/ RZAG35A	FCAG50A/ RZAG50A	FCAG60A/ RZAG50A	FCAG60A/ RZAG60A	FCAG71A/ RZAG60A
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.012					
		Heating	POFF	kW	0.012					
	Standby mode	Cooling	PSB	kW	0.012					
		Heating	PSB	kW	0.012					
	Thermostat-off mode	Cooling	PTO	kW	0.004					
		Heating	PTO	kW	0.023					

2-2 Capacity and Power input					FFA35A9/RZAG35A	FFA50A9/RZAG35A	FFA50A9/RZAG50A	FFA60A9/RZAG60A	FFA60A9/RZAG50A
Indoor unit					FFA35A2VEB9		FFA50A2VEB9		FFA60A2VEB9
Outdoor unit					RZAG35A2V1B		RZAG50A2V1B	RZAG60A2V1B	RZAG50A2V1B
Cooling capacity	Min.			kW	1.6		1.7		
				Btu/h	5,500.0		5,800.0		
				kcal/h	1,376.0		1,462.0		
	Nom.			kW	3.5		5.0	6.0	5.0
				Btu/h	11,900.0		17,100.0	20,500.0	17,100.0
				kcal/h	3,009.0		4,299.0	5,159.0	4,299.0
	Max.			kW	4.5		6.0	6.5	6.0
				Btu/h	15,400.0		20,500.0	22,200.0	20,500.0
				kcal/h	3,869.0		5,159.0	5,589.0	5,159.0
Heating capacity	Min.			kW	1.40		1.50	1.60	1.50
				Btu/h	4,780.0	4,800.0	5,100.0	5,500.0	5,100.0
				kcal/h	1,200.0		1,290.0	1,380.0	1,300.0
	Nom.			kW	4.00		5.80	7.00	5.80
				Btu/h	13,700.0	13,600.0	19,800.0	23,900.0	19,800.0
				kcal/h	3,439.0		4,987.0	6,019.0	4,987.0
	Max.			kW	5.00		6.00	7.50	6.00
				Btu/h	17,000.0	17,100.0	20,500.0	25,590.0	20,500.0
				kcal/h	4,299.0		5,159.0	6,449.0	5,159.0
Power input	Cooling	Nom.		kW	0.88	0.82	1.47	1.86	1.38
	Heating	Nom.		kW	1.08	1.02	1.87	2.41	1.84
Space cooling	Energy efficiency class				A++			A+	A++
	Capacity	Pdesign		kW	3.50		5.00	6.00	5.00
	SEER				6.40	6.81	6.30	5.80	6.43
	Annual energy consumption				191	180	278	362	272
	A Condition (35°C - 27/19)	Pdc		kW	3.50		5.00	6.00	5.00
		EERd			4.00	4.25	3.40	3.23	3.62
		Power input		kW	0.88	0.82	1.47	1.86	1.38
	B Condition (30°C - 27/19)	Pdc		kW	2.58		3.68	4.42	3.68
		EERd			6.13	6.68	5.68	4.83	5.88
		Power input		kW	0.42	0.39	0.65	0.92	0.63
	C Condition (25°C - 27/19)	Pdc		kW	1.66	1.83	2.37	2.84	2.37
		EERd			8.45	9.15	7.94	7.08	8.01
		Power input		kW	0.20		0.30	0.40	0.30
	D Condition (20°C - 27/19)	Pdc		kW	1.78	1.89	1.81	1.82	1.90
		EERd			11.12	12.27	10.61	9.80	10.78
		Power input		kW	0.16	0.15	0.17	0.19	0.18

2 Specifications

2-2 Capacity and Power input					FFA35A9/RZAG35A	FFA50A9/RZAG35A	FFA50A9/RZAG50A	FFA60A9/RZAG60A	FFA60A9/RZAG50A
Space heating (Average climate)	Energy efficiency class				A		A+		
	Capacity	Pdesign	kW		4.20		4.30	4.50	4.30
	SCOP/A				3.80	4.04	4.01	4.04	4.08
	SCOPnet/A				3.84	4.08	4.04	4.08	4.12
	Pdh Heating capacity at -10°		kW		3.50	3.53	3.66	3.87	3.68
	Annual energy consumption		kWh/a		1,546	1,455	1,501	1,558	1,474
	Required back up heating cap at design conditions		kW		0.70	0.67	0.64	0.63	0.62
	TOL	Tol (temperature operating limit)	°C		-20				
		Pdh (declared heating cap)	kW		2.79	2.90	3.21	3.49	3.27
		COPd (declared COP)		2.20	2.14	2.12	2.08		
		Power input	kW		1.27	1.36	1.51	1.68	1.57
	TBivalent	Tbiv (bivalent temperature)	°C		-7				
		Pdh (declared heating cap)	kW		3.72	3.71	3.80	3.98	3.80
		COPd (declared COP)		2.64	2.81	2.83	2.91	2.88	
		Power input	kW		1.41	1.32	1.34	1.37	1.32
	A Condition (-7°C)	Pdh (declared heating cap)	kW		3.72	3.71	3.80	3.98	3.80
		COPd (declared COP)		2.64	2.81	2.83	2.91	2.88	
		Power input	kW		1.41	1.32	1.34	1.37	1.32
	B Condition (2°C)	Pdh (declared heating cap)	kW		2.26		2.32	2.42	2.32
		COPd (declared COP)		3.49	3.79	3.85	3.95	3.92	
		Power input	kW		0.65	0.60		0.61	0.59
	C Condition (7°C)	Pdh (declared heating cap)	kW		1.52	1.56	1.55	1.59	1.55
		COPd (declared COP)		5.39	5.59	5.26	5.09	5.36	
		Power input	kW		0.28		0.29	0.31	0.29
	D Condition (12°C)	Pdh (declared heating cap)	kW		1.54	1.77	1.54	1.58	1.54
		COPd (declared COP)		6.36	6.45	6.08	5.89	6.19	
		Power input	kW		0.24	0.270	0.25	0.27	0.25
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	63
	Sound power level indoor	Cooling	Nom.	dB(A)	51	56		60	
	Piping length	Cooling	Measuring condition	m	5.0				
Nominal efficiency	EER				4.00	4.25	3.40	3.23	3.62
	COP				3.71	3.94	3.10	2.90	3.15
	Annual energy consumption		kWh		438	412	735	929	691
	Energy labeling Directive	Cooling			A				
		Heating			A		D		

2 Specifications

2-2 Capacity and Power input					FFA35A9/RZAG35A	FFA50A9/RZAG35A	FFA50A9/RZAG50A	FFA60A9/RZAG60A	FFA60A9/RZAG50A
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.012				
		Heating	POFF	kW	0.012				
	Standby mode	Cooling	PSB	kW	0.012				
		Heating	PSB	kW	0.012				
	Thermostat-off mode	Cooling	PTO	kW	0.004				
		Heating	PTO	kW	0.023				

2-3 Capacity and Power input				FDXM35F9/ RZAG35A		FDXM50F9/ RZAG35A		FDXM50F9/ RZAG50A		FDXM60F9/ RZAG60A		FDXM60F9/ RZAG50A	
Indoor unit				FDXM35F3V1B9		FDXM50F3V1B9				FDXM60F3V1B9			
Outdoor unit				RZAG35A2V1B				RZAG50A2V1B		RZAG60A2V1B		RZAG50A2V1B	
Cooling capacity	Min.		kW	1.6				1.7					
			Btu/h	5,500.0				5,800.0					
			kcal/h	1,376.0				1,462.0					
	Nom.		kW	3.5				5.0		6.0		5.0	
			Btu/h	11,900.0				17,100.0		20,500.0		17,100.0	
			kcal/h	3,009.0				4,299.0		5,159.0		4,299.0	
	Max.		kW	4.5				6.0		6.5		6.0	
			Btu/h	15,400.0				20,500.0		22,200.0		20,500.0	
			kcal/h	3,869.0				5,159.0		5,589.0		5,159.0	
Heating capacity	Min.		kW	1.40				1.70					
			Btu/h	4,780.0		4,800.0		5,800.0					
			kcal/h	1,200.0				1,460.0			1,500.0		
	Nom.		kW	4.00				5.00		7.00		5.00	
			Btu/h	13,700.0		13,600.0		17,100.0		23,900.0		17,100.0	
			kcal/h	3,439.0				4,299.0		6,019.0		4,299.0	
	Max.		kW	5.00				6.00		7.50		6.00	
			Btu/h	17,000.0		17,100.0		20,500.0		25,590.0		20,500.0	
			kcal/h	4,299.0				5,159.0		6,449.0		5,159.0	
Power input	Cooling	Nom.	kW	0.90		0.86		1.32		1.76		1.26	
	Heating	Nom.	kW	1.14		1.10		1.47		2.12		1.45	
Space cooling	Energy efficiency class			A+									
	Capacity	Pdesign	kW	3.50				5.00		6.00		5.00	
	SEER			5.90		6.08		5.90		5.70		5.98	
	Annual energy consumption			kWh/a		208		201		296		368	
	A Condition (35°C - 27/19)	Pdc	kW	3.50				5.00		6.00		5.00	
		EERd		3.90		4.05		3.80		3.40		3.98	
		Power input		kW		0.90		0.86		1.32		1.76	
	B Condition (30°C - 27/19)	Pdc	kW	2.58				3.68		4.42		3.68	
		EERd		5.52		5.78		5.11		4.68		5.20	
		Power input		kW		0.47		0.45		0.72		0.94	
	C Condition (25°C - 27/19)	Pdc	kW	2.00		2.06		2.37		2.84		2.37	
		EERd		8.17		8.47		7.58		7.28		7.65	
		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		8.85		9.15	
		Power input		kW		0.21				0.23		0.24	

2 Specifications

2

2-3 Capacity and Power input					FDXM35F9/ RZAG35A	FDXM50F9/ RZAG35A	FDXM50F9/ RZAG50A	FDXM60F9/ RZAG60A	FDXM60F9/ RZAG50A	
Space heating (Average climate)	Energy efficiency class				A	A+	A			
	Capacity	Pdesign	kW		3.50	4.20	4.30	4.50	4.30	
	SCOP/A				3.90	4.05	3.90		3.94	
	SCOPnet/A				3.94	4.09	3.93		3.98	
	Pdh Heating capacity at -10°		kW		2.99	3.49	3.62	3.82	3.63	
	Annual energy consumption		kWh/a		1,255	1,451	1,544	1,616	1,526	
	Required back up heating cap at design conditions		kW		0.51	0.71	0.68		0.67	
	TOL	Tol (temperature operating limit)	°C	-20						
				Pdh (declared heating cap)	kW	2.64	2.72	3.01	3.30	3.08
				COPd (declared COP)		2.05	1.99	1.98	1.94	1.96
				Power input	kW	1.29	1.37	1.52	1.70	1.57
	TBivalent	Tbiv (bivalent temperature)	°C	-7						
				Pdh (declared heating cap)	kW	3.10	3.72	3.80	3.98	3.80
				COPd (declared COP)		2.51	2.58	2.32	2.31	2.34
				Power input	kW	1.24	1.44	1.66	1.72	1.62
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.10	3.72	3.80	3.98	3.80		
				COPd (declared COP)		2.51	2.58	2.32	2.31	2.34
				Power input	kW	1.24	1.44	1.66	1.72	1.62
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.89	2.26	2.32	2.42	2.32		
				COPd (declared COP)		3.76	3.86	3.99	4.01	4.04
				Power input	kW	0.50	0.59	0.58	0.60	0.57
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.45	1.51	1.61				
				COPd (declared COP)		5.53	5.69	4.95	4.90	5.02
				Power input	kW	0.26	0.27	0.33		0.32
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.54	1.60	1.59			1.80	
				COPd (declared COP)		6.76	6.96	6.59	6.52	6.68
				Power input	kW	0.23		0.24		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	63	
	Sound power level indoor	Cooling	Nom.	dBA	53	55		56		
	Piping length	Cooling	Measuring condition	m	5.0					
Nominal efficiency	EER				3.90	4.05	3.80	3.40	3.98	
	COP				3.50	3.63	3.40	3.30	3.44	
	Annual energy consumption		kWh		449	432	658	882	628	
	Energy labeling Directive	Cooling			A					
		Heating			B	A	C		B	

2 Specifications

2-3 Capacity and Power input					FDXM35F9/ RZAG35A	FDXM50F9/ RZAG35A	FDXM50F9/ RZAG50A	FDXM60F9/ RZAG60A	FDXM60F9/ RZAG50A
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.012				
		Heating	POFF	kW	0.012				
	Standby mode	Cooling	PSB	kW	0.012				
		Heating	PSB	kW	0.012				
	Thermostat-off mode	Cooling	PTO	kW	0.004				
		Heating	PTO	kW	0.023				

2-4 Capacity and Power input				FBA35A9/ RZAG35A	FBA50A9/ RZAG35A	FBA50A9/ RZAG50A	FBA60A9/ RZAG60A	FBA60A9/ RZAG50A	FBA71A9/ RZAG60A	
Indoor unit				FBA35A2VEB 9	FBA50A2VEB9		FBA60A2VEB9		FBA71A2VEB 9	
Outdoor unit				RZAG35A2V1B		RZAG50A2V1 B	RZAG60A2V1 B	RZAG50A2V1 B	RZAG60A2V1 B	
Cooling capacity	Min.		kW	1.6		1.7				
			Btu/h	5,500.0		5,800.0				
			kcal/h	1,376.0		1,462.0				
	Nom.		kW	3.5		5.0	6.0	5.0	6.00	
			Btu/h	11,900.0		17,100.0	20,500.0	17,100.0	20,500	
			kcal/h	3,009.0		4,299.0	5,159.0	4,299.0	5,159.0	
	Max.		kW	5.0		6.0	7.0	6.0	7.0	
			Btu/h	17,000.0	17,100.0	20,500.0	23,900.0	20,500.0	23,900.0	
			kcal/h	4,299.0		5,159.0	6,019.0	5,159.0	6,019.0	
Heating capacity	Min.		kW	1.40		1.70				
			Btu/h	4,780.0	4,800.0	5,800.0				
			kcal/h	1,200.0		1,460.0		1,500.0		
	Nom.		kW	4.00		6.00	7.00	6.00	7.00	
			Btu/h	13,700.0	13,600.0	20,500.0	23,900.0	20,500.0	23,900.0	
			kcal/h	3,439.0		5,159.0	6,019.0	5,159.0	6,019.0	
	Max.		kW	5.00		6.00	7.50	6.00	7.50	
			Btu/h	17,000.0	17,100.0	20,500.0	25,590.0	20,500.0	25,600.0	
			kcal/h	4,299.0		5,159.0	6,449.0	5,159.0	6,449.0	
Power input	Cooling	Nom.	kW	0.78	0.76	1.25	1.48	1.22	1.39	
	Heating	Nom.	kW	0.91	0.90	1.58	2.06	1.51	1.81	
Space cooling	Energy efficiency class			A++						
	Capacity	Pdesign	kW	3.50		5.00	6.00	5.00	6.00	
	SEER			6.12	6.17	6.30	6.15	6.63	6.25	
	Annual energy consumption			kWh/a	200	199	278	341	264	336
	A Condition (35°C - 27/19)	Pdc	kW	3.50		5.00	6.00	5.00	6.00	
		EERd		4.50	4.62	4.00	4.05	4.11	4.31	
		Power input	kW	0.78	0.76	1.25	1.48	1.22	1.39	
	B Condition (30°C - 27/19)	Pdc	kW	2.58		3.68	4.42	3.68	4.42	
		EERd		6.10	6.38	5.55	5.20	5.86	5.22	
		Power input	kW	0.42	0.40	0.66	0.85	0.63	0.85	
	C Condition (25°C - 27/19)	Pdc	kW	1.99	1.87	2.37	2.85	2.37	2.84	
		EERd		8.14	8.00	8.12	7.65	8.65	7.76	
		Power input	kW	0.24	0.23	0.29	0.37	0.27	0.37	
	D Condition (20°C - 27/19)	Pdc	kW	1.92	1.85	1.92	1.93	1.88	1.92	
		EERd		9.76	9.52	9.70	9.25	10.29	9.41	
		Power input	kW	0.20	0.19	0.20	0.21	0.18	0.20	

2 Specifications

2

2-4 Capacity and Power input					FBA35A9/ RZAG35A	FBA50A9/ RZAG35A	FBA50A9/ RZAG50A	FBA60A9/ RZAG60A	FBA60A9/ RZAG50A	FBA71A9/ RZAG60A
Space heating (Average climate)	Energy efficiency class				A+					
	Capacity	Pdesign	kW		4.20		4.30	4.50	4.30	4.50
	SCOP/A				4.10	4.14	4.10		4.28	4.18
	SCOPnet/A				4.14	4.18	4.13		4.32	4.21
	Pdh Heating capacity at -10°		kW		3.49	3.51	3.65	3.85	3.75	3.86
	Annual energy consumption		kWh/a		1,434	1,420	1,469	1,537	1,406	1,508
	Required back up heating cap at design conditions		kW		0.71	0.69	0.65		0.55	0.64
	TOL	Tol (temperature operating limit)	°C		-20					
		Pdh (declared heating cap)	kW		2.74	2.84	3.15	3.42	3.59	3.48
		COPd (declared COP)			2.14	2.21	2.06	2.02	2.26	2.24
		Power input	kW		1.28	1.29	1.53	1.69	1.59	1.55
	TBivalent	Tbiv (bivalent temperature)	°C		-7					
		Pdh (declared heating cap)	kW		3.73	3.71	3.80	3.98	3.80	3.98
		COPd (declared COP)			3.04	3.14	3.03	3.01	3.20	3.14
		Power input	kW		1.23	1.18	1.25	1.32	1.19	1.27
	A Condition (-7°C)	Pdh (declared heating cap)	kW		3.73	3.71	3.80	3.98	3.80	3.98
		COPd (declared COP)			3.04	3.11	3.03	3.01	3.20	3.14
		Power input	kW		1.23	1.19	1.25	1.32	1.19	1.27
	B Condition (2°C)	Pdh (declared heating cap)	kW		2.29	2.26	2.31	2.42	2.32	2.42
		COPd (declared COP)			3.98	4.01	3.98	3.97	4.14	4.04
		Power input	kW		0.58	0.56	0.58	0.61	0.56	0.60
	C Condition (7°C)	Pdh (declared heating cap)	kW		1.56	1.45	1.56	1.57	1.49	1.56
		COPd (declared COP)			5.10	5.12	5.09	5.13	5.32	5.17
		Power input	kW		0.31	0.28	0.31		0.28	0.30
	D Condition (12°C)	Pdh (declared heating cap)	kW		1.84	1.85	1.84	1.85	1.87	
		COPd (declared COP)			6.26			6.29	6.53	6.31
		Power input	kW		0.29	0.300	0.29			0.30
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	63	64
	Sound power level indoor	Cooling	Nom.	dBA	60			56		
	Piping length	Cooling	Measuring condition	m	5.0					
Nominal efficiency	EER				4.50	4.62	4.00	4.05	4.11	4.31
	COP				4.40	4.44	3.80		3.97	3.87
	Annual energy consumption		kWh		389	379	625	741	608	696
	Energy labeling Directive	Cooling			A					
		Heating			A			C	A	

2 Specifications

2-4 Capacity and Power input					FBA35A9/ RZAG35A	FBA50A9/ RZAG35A	FBA50A9/ RZAG50A	FBA60A9/ RZAG60A	FBA60A9/ RZAG50A	FBA71A9/ RZAG60A
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.012					
		Heating	POFF	kW	0.012					
	Standby mode	Cooling	PSB	kW	0.012					
		Heating	PSB	kW	0.012					
	Thermostat-off mode	Cooling	PTO	kW	0.004					
		Heating	PTO	kW	0.023					

2-5 Capacity and Power input				FTXM35N/ RZAG35A	FTXM50N/ RZAG35A	FTXM50N/ RZAG50A	FTXM60N/ RZAG50A	FTXM60N/ RZAG60A	FTXM71N/ RZAG60A
Indoor unit				FTXM35N2V1 B	FTXM50N2V1B		FTXM60N2V1B		FTXM71N2V1 B
Outdoor unit				RZAG35A2V1B		RZAG50A2V1B		RZAG60A2V1B	
Cooling capacity	Min.		kW	1.6		1.7			
			Btu/h	5,500.0	5,500	5,800.0	5,800	5,800.0	5,800
			kcal/h	1,376.0	1,376	1,462.0	1,462	1,462.0	1,462
	Nom.		kW	3.5		5.0		6.0	
			Btu/h	11,900.0	11,900	17,100.0	17,100	20,500.0	20,500
			kcal/h	3,009.0	3,009	4,299.0	4,299	5,159.0	5,159
	Max.		kW	5.0		6.0		6.8	
			Btu/h	17,000.0	17,100	20,500.0	20,500	23,200.0	23,200
			kcal/h	4,299.0	4,299	5,159.0	5,159	5,847.0	5,847
Heating capacity	Min.		kW	1.40		1.50		1.60	
			Btu/h	4,780.0	4,800	5,100.0	5,100	5,500.0	5,500
			kcal/h	1,200.0	1,200	1,290.0	1,300	1,380.0	1,400
	Nom.		kW	4.00		6.00		7.00	
			Btu/h	13,700.0	13,600	20,500.0	20,500	23,900.0	23,900
			kcal/h	3,439.0	3,439	5,159.0	5,159	6,019.0	6,019
	Max.		kW	5.30		6.50		7.50	
			Btu/h	18,000.0	18,100	22,200.0	22,200	25,590.0	25,600
			kcal/h	4,557.0	4,557	5,589.0	5,589	6,449.0	6,449
Power input	Cooling	Nom.	kW	0.81		1.25	1.24	1.71	
	Heating	Nom.	kW	1.04	1.02	1.50	1.47	1.94	1.90
Space cooling	Energy efficiency class			A++					
	Capacity	Pdesign	kW	3.50		5.00		6.00	
	SEER			7.70	7.76	7.41	7.53	6.90	
	Annual energy consumption			kWh/a	159	158	236	232	304
	A Condition (35°C - 27/19)	Pdc	kW	3.50		5.00		6.00	
		EERd		4.30	4.32	4.00	4.04	3.50	
		Power input		kW	0.81		1.25	1.24	1.71
	B Condition (30°C - 27/19)	Pdc	kW	2.58		3.68		4.42	
		EERd		6.09	6.15	5.38	5.49	4.82	
		Power input		kW	0.42		0.68	0.67	0.92
	C Condition (25°C - 27/19)	Pdc	kW	1.80		2.37		2.84	
		EERd		9.34	9.43	8.82	8.99	8.15	
		Power input		kW	0.19		0.27	0.26	0.35
	D Condition (20°C - 27/19)	Pdc	kW	1.91	1.89	2.08	2.10		
		EERd		12.34	12.41	13.03	13.16	12.96	
		Power input		kW	0.15		0.16		

2 Specifications

2

2-5 Capacity and Power input					FTXM35N/ RZAG35A	FTXM50N/ RZAG35A	FTXM50N/ RZAG50A	FTXM60N/ RZAG50A	FTXM60N/ RZAG60A	FTXM71N/ RZAG60A
Space heating (Average climate)	Energy efficiency class				A++				A+	
	Capacity	Pdesign	kW		2.60		4.50		4.60	4.50
	SCOP/A				4.60	4.68	4.60	4.69	4.35	4.40
	SCOPnet/A				4.63	4.70	4.64	4.73	4.38	4.43
	Pdh Heating capacity at -10°		kW		2.47		3.89		4.02	3.95
	Annual energy consumption		kWh/a		790	778	1,369	1,344	1,480	1,433
	Required back up heating cap at design conditions		kW		0.13		0.61		0.58	0.55
	TOL	Tol (temperature operating limit)	°C		-20					
		Pdh (declared heating cap)	kW		3.03		3.61		3.85	
		COPd (declared COP)		2.35	2.37	2.29	2.31	2.22	2.24	
		Power input	kW		1.29	1.28	1.58	1.56	1.73	1.72
	TBivalent	Tbiv (bivalent temperature)	°C		-7					
		Pdh (declared heating cap)	kW		2.31	2.30	3.98		4.07	
		COPd (declared COP)		3.00	3.06	3.00	3.06	2.74	2.77	
		Power input	kW		0.77	0.75	1.33	1.30	1.49	1.47
	A Condition (-7°C)	Pdh (declared heating cap)	kW		2.31	2.30	3.98		4.07	
		COPd (declared COP)		3.00	3.06	3.00	3.06	2.74	2.77	
		Power input	kW		0.77	0.75	1.33	1.30	1.49	1.47
	B Condition (2°C)	Pdh (declared heating cap)	kW		1.35	1.40	2.44	2.42	2.48	
		COPd (declared COP)		4.67	4.76	4.49	4.58	4.27	4.31	
		Power input	kW		0.29		0.54	0.53	0.58	
	C Condition (7°C)	Pdh (declared heating cap)	kW		1.31	1.42	1.56		1.59	
		COPd (declared COP)		6.13	6.25	6.00	6.12	5.71	5.77	
		Power input	kW		0.21	0.23	0.26	0.25	0.28	
	D Condition (12°C)	Pdh (declared heating cap)	kW		1.54	1.66	1.67			
		COPd (declared COP)		7.43	7.58	7.76	7.84	7.50	7.58	
		Power input	kW		0.21	0.22		0.21	0.22	
Cooling	Cdc (Degradation cooling)				0.25					
Heating	Cdh (Degradation heating)				0.25					
Cooling function included					Yes					
Heating function included					Yes					
Average climate included					Yes					
Cold season included					No					
Warm season included					No					
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62		63		64	
	Sound power level indoor	Cooling	Nom.	dBA	58			60		62
	Piping length	Cooling	Measuring condition	m	5.0					
Nominal efficiency	EER				4.30	4.32	4.00	4.04	3.50	
	COP				3.85	3.93	4.00	4.08	3.61	3.68
	Annual energy consumption		kWh		407	405	625	619	857	857
	Energy labeling Directive	Cooling			A					
		Heating			A					

2 Specifications

2-5 Capacity and Power input					FTXM35N/ RZAG35A	FTXM50N/ RZAG35A	FTXM50N/ RZAG50A	FTXM60N/ RZAG50A	FTXM60N/ RZAG60A	FTXM71N/ RZAG60A
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.001					
		Heating	POFF	kW	0.001					
	Standby mode	Cooling	PSB	kW	0.001					
		Heating	PSB	kW	0.001					
	Thermostat-off mode	Cooling	PTO	kW	0.012					
		Heating	PTO	kW	0.013					

2-6 Capacity and Power input					FHA35A9/ RZAG35A	FHA50A9/ RZAG35A	FHA50A9/ RZAG50A	FHA60A9/ RZAG60A	FHA60A9/ RZAG50A	FHA71A9/ RZAG60A
Indoor unit					FHA35AVEB9	FHA50AVEB9		FHA60AVEB9		FHA71AVEB9
Outdoor unit					RZAG35A2V1B		RZAG50A2V1 B	RZAG60A2V1 B	RZAG50A2V1 B	RZAG60A2V1 B
Cooling capacity	Min.	kW			1.7		1.9		1.7	1.9
		Btu/h			5,800.0		6,500.0		5,800.0	6,500.0
		kcal/h			1,462.0		1,634.0		1,462.0	1,634.0
	Nom.	kW			3.5		5.0	6.0	5.0	6.00
		Btu/h			11,900.0		17,100.0	20,500.0	17,100.0	20,500
		kcal/h			3,009.0		4,299.0	5,159.0	4,299.0	5,159.0
	Max.	kW			4.5		6.0	6.8	6.0	6.8
		Btu/h			15,400.0		20,500.0	23,200.0	20,500.0	23,200.0
		kcal/h			3,869.0		5,159.0	5,847.0	5,159.0	5,847.0
Heating capacity	Min.	kW			1.40		1.70			
		Btu/h			4,780.0	4,800.0	5,800.0			
		kcal/h			1,200.0		1,460.0		1,500.0	
	Nom.	kW			4.00		5.80	7.00	6.00	7.00
		Btu/h			13,700.0	13,600.0	19,800.0	23,900.0	20,500.0	23,900.0
		kcal/h			3,439.0		4,987.0	6,019.0	5,159.0	6,019.0
	Max.	kW			5.50		6.50	7.50	6.50	7.50
		Btu/h			18,800.0		22,200.0	25,590.0	22,200.0	25,600.0
		kcal/h			4,729.0		5,589.0	6,449.0	5,589.0	6,449.0
Power input	Cooling	Nom.	kW		0.76	0.69	1.22	1.54	1.18	1.38
	Heating	Nom.	kW		0.98	0.96	1.56	2.06	1.60	1.99
Space cooling	Energy efficiency class				A++					
	Capacity	Pdesign	kW		3.50		5.00	6.00	5.00	6.00
	SEER				6.40	6.65	6.80	6.60	7.02	6.81
	Annual energy consumption				kWh/a	191	184	257	318	308
	A Condition (35°C - 27/19)	Pdc	kW		3.50		5.00	6.00	5.00	6.00
		EERd			4.60	5.05	4.10	3.90	4.24	4.35
		Power input			kW	0.76	0.69	1.22	1.54	1.18
	B Condition (30°C - 27/19)	Pdc	kW		2.58		3.68	4.42	3.68	4.42
		EERd			6.47	6.72	6.29	5.55	6.60	5.74
		Power input			kW	0.41	0.38	0.59	0.80	0.77
	C Condition (25°C - 27/19)	Pdc	kW		2.46	2.21	2.46	2.85	2.54	2.84
		EERd			8.52	8.81	8.52	8.27	8.83	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	2.10	2.12	2.20	2.26
		EERd			11.30	11.50	11.19	10.98	11.49	11.15
		Power input			kW	0.18	0.19			0.20

2 Specifications

2-6 Capacity and Power input					FHA35A9/ RZAG35A	FHA50A9/ RZAG35A	FHA50A9/ RZAG50A	FHA60A9/ RZAG60A	FHA60A9/ RZAG50A	FHA71A9/ RZAG60A
Space heating (Average climate)	Energy efficiency class				A+					
	Capacity	Pdesign	kW		3.10		4.00	4.60	4.00	4.60
	SCOP/A				4.10	4.18	4.30	4.20	4.44	4.35
	SCOPnet/A				4.13	4.22	4.34	4.25	4.48	4.39
	Pdh Heating capacity at -10°		kW		2.75	2.77	3.46	3.93	3.48	3.96
	Annual energy consumption		kWh/a		1,058	1,038	1,302	1,633	1,261	1,480
	Required back up heating cap at design conditions		kW		0.35	0.33	0.54	0.97	0.52	0.64
	TOL	Tol (temperature operating limit)	°C		-20					
		Pdh (declared heating cap)	kW		2.79	2.87	3.20	3.48	3.30	3.59
		COPd (declared COP)		2.12	2.05	2.09	2.00	1.98	2.02	
		Power input	kW		1.32	1.40	1.53	1.74	1.67	1.78
	TBivalent	Tbiv (bivalent temperature)	°C		-7					
		Pdh (declared heating cap)	kW		2.74		3.54	4.07	3.54	4.07
		COPd (declared COP)		2.90	2.96	2.93	2.73	3.03	3.04	
		Power input	kW		0.94	0.93	1.21	1.49	1.17	1.34
	A Condition (-7°C)	Pdh (declared heating cap)	kW		2.74		3.54	4.07	3.54	4.07
		COPd (declared COP)		2.90	2.96	2.93	2.73	3.03	3.04	
		Power input	kW		0.94	0.93	1.21	1.49	1.17	1.34
	B Condition (2°C)	Pdh (declared heating cap)	kW		1.76	1.74	2.15	2.48	2.15	2.48
		COPd (declared COP)		4.00	4.08	4.17	4.07	4.35	4.14	
		Power input	kW		0.44	0.43	0.52	0.61	0.49	0.60
	C Condition (7°C)	Pdh (declared heating cap)	kW		1.63	1.65	1.64		1.65	1.66
		COPd (declared COP)		5.59	5.70	5.79	5.68	5.97	5.76	
		Power input	kW		0.29		0.28	0.29	0.28	0.29
	D Condition (12°C)	Pdh (declared heating cap)	kW		1.77	1.80	1.79	1.78	1.80	1.81
		COPd (declared COP)		6.86	7.03	7.18	7.06	7.02	7.09	
		Power input	kW		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	63	64
	Sound power level indoor	Cooling	Nom.	dBA	53	54				55
	Piping length	Cooling	Measuring condition	m	5.0					
Nominal efficiency	EER				4.60	5.05	4.10	3.90	4.24	4.35
	COP				4.10	4.18	3.71	3.40	3.75	3.52
	Annual energy consumption		kWh		380	347	610	769	590	690
	Energy labeling Directive	Cooling			A					
		Heating			A			C	A	B

2 Specifications

2-6 Capacity and Power input					FHA35A9/ RZAG35A	FHA50A9/ RZAG35A	FHA50A9/ RZAG50A	FHA60A9/ RZAG60A	FHA60A9/ RZAG50A	FHA71A9/ RZAG60A
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.012					
		Heating	POFF	kW	0.012					
	Standby mode	Cooling	PSB	kW	0.012					
		Heating	PSB	kW	0.012					
	Thermostat-off mode	Cooling	PTO	kW	0.004					
		Heating	PTO	kW	0.023					

2-7 Capacity and Power input					FNA35A9/RZAG35A	FNA50A9/RZAG35A	FNA50A9/RZAG50A	FNA60A9/RZAG60A	FNA60A9/RZAG50A
Indoor unit					FNA35A2VEB9		FNA50A2VEB9		FNA60A2VEB9
Outdoor unit					RZAG35A2V1B		RZAG50A2V1B	RZAG60A2V1B	RZAG50A2V1B
Cooling capacity	Min.			kW	1.6		1.7		
				Btu/h	5,500.0		5,800.0		
				kcal/h	1,376.0		1,462.0		
	Nom.			kW	3.5		5.0	6.0	5.0
				Btu/h	11,900.0		17,100.0	20,500.0	17,100.0
				kcal/h	3,009.0		4,299.0	5,159.0	4,299.0
	Max.			kW	4.5		6.0	6.5	6.0
				Btu/h	15,400.0		20,500.0	22,200.0	20,500.0
				kcal/h	3,869.0		5,159.0	5,589.0	5,159.0
Heating capacity	Min.			kW	1.40		1.70		
				Btu/h	4,780.0	4,800.0	5,800.0		
				kcal/h	1,200.0		1,460.0		1,500.0
	Nom.			kW	4.00		5.00	7.00	5.00
				Btu/h	13,700.0	13,600.0	17,100.0	23,900.0	17,100.0
				kcal/h	3,439.0		4,299.0	6,019.0	4,299.0
	Max.			kW	5.00		6.00	7.50	6.00
				Btu/h	17,000.0	17,100.0	20,500.0	25,590.0	20,500.0
				kcal/h	4,299.0		5,159.0	6,449.0	5,159.0
Power input	Cooling	Nom.		kW	0.90	0.86	1.32	1.76	1.26
	Heating	Nom.		kW	1.14	1.10	1.47	2.12	1.45
Space cooling	Energy efficiency class				A+				
	Capacity	Pdesign		kW	3.50		5.00	6.00	5.00
	SEER				5.90	6.08	5.90	5.70	5.98
	Annual energy consumption				kWh/a	208	201	297	368
	A Condition (35°C - 27/19)	Pdc		kW	3.50		5.00	6.00	5.00
		EERd			3.90	4.05	3.80	3.40	3.98
		Power input		kW	0.90	0.86	1.32	1.76	1.26
	B Condition (30°C - 27/19)	Pdc		kW	2.58		3.68	4.42	3.68
		EERd			5.52	5.79	5.12	4.68	5.20
		Power input		kW	0.47	0.45	0.72	0.94	0.71
	C Condition (25°C - 27/19)	Pdc		kW	2.00	2.06	2.37	2.84	2.37
		EERd			8.17	8.46	7.57	7.28	7.65
		Power input		kW	0.24		0.31	0.39	0.31
	D Condition (20°C - 27/19)	Pdc		kW	2.02	2.09			
		EERd			9.76	10.07	9.09	8.85	9.14
		Power input		kW	0.21		0.23	0.24	0.23

2 Specifications

2

2-7 Capacity and Power input					FNA35A9/RZAG35A	FNA50A9/RZAG35A	FNA50A9/RZAG50A	FNA60A9/RZAG60A	FNA60A9/RZAG50A	
Space heating (Average climate)	Energy efficiency class				A	A+	A			
	Capacity	Pdesign	kW		3.50	4.20	4.30	4.50	4.30	
	SCOP/A				3.90	4.05	3.90		3.94	
	SCOPnet/A				3.94	4.09	3.94	3.93	3.97	
	Pdh Heating capacity at -10°		kW		2.99	3.49	3.62	3.82	3.63	
	Annual energy consumption		kWh/a		1,255	1,452	1,542	1,616	1,528	
	Required back up heating cap at design conditions		kW		0.51	0.71	0.68		0.67	
	TOL	Tol (temperature operating limit)	°C	-20						
				Pdh (declared heating cap)	kW	2.64	2.73	3.01	3.30	3.08
				COPd (declared COP)		2.05	1.98		1.94	1.96
				Power input	kW	1.29	1.38	1.52	1.70	1.57
	TBivalent	Tbiv (bivalent temperature)	°C	-7						
				Pdh (declared heating cap)	kW	3.10	3.72	3.80	3.98	3.80
				COPd (declared COP)		2.51	2.59	2.32	2.31	2.34
				Power input	kW	1.24	1.44	1.66	1.72	1.62
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.10	3.72	3.80	3.98	3.80		
		COPd (declared COP)		2.51	2.59	2.32	2.31	2.34		
		Power input	kW	1.24	1.44	1.64	1.72	1.62		
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.89	2.26	2.32	2.42	2.32		
		COPd (declared COP)		3.76	3.85	4.02	4.01	4.03		
		Power input	kW	0.50	0.59	0.58	0.60	0.58		
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.45	1.51	1.61				
		COPd (declared COP)		5.53	5.69	4.90		5.02		
		Power input	kW	0.26	0.27	0.33		0.32		
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.54	1.60	1.59		1.80		
		COPd (declared COP)		6.76	6.97	6.53	6.52	6.70		
		Power input	kW	0.23		0.24		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.	dB(A)	62		63	64	63	
	Sound power level indoor	Cooling	Nom.	dB(A)	53	56				
	Piping length	Cooling	Measuring condition	m	5.0					
Nominal efficiency	EER				3.90	4.05	3.80	3.40	3.98	
	COP				3.50	3.63	3.40	3.30	3.44	
	Annual energy consumption		kWh		449	432	658	882	628	
	Energy labeling Directive	Cooling			A					
		Heating			B	A	C		B	

2 Specifications

2-7 Capacity and Power input					FNA35A9/RZAG35A	FNA50A9/RZAG35A	FNA50A9/RZAG50A	FNA60A9/RZAG60A	FNA60A9/RZAG50A
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.012				
		Heating	POFF	kW	0.012				
	Standby mode	Cooling	PSB	kW	0.012				
		Heating	PSB	kW	0.012				
	Thermostat-off mode	Cooling	PTO	kW	0.004				
		Heating	PTO	kW	0.023				

2-8 Technical Specifications					RZAG35A		RZAG50A		RZAG60A		
Capacity control	Method				Variable (inverter)						
Casing	Colour				Ivory white						
Dimensions	Unit	Height		mm	734						
		Width		mm	870						
		Depth		mm	373						
	Packed unit	Height		mm	820						
		Width		mm	1,050						
		Depth		mm	480						
Weight	Unit			kg	52						
	Packed unit			kg	57						
Packing	Weight			kg	5						
Heat exchanger	Length			mm	920						
	Rows		Quantity		2						
	Fin pitch			mm	1.40						
	Passes		Quantity		2.2		2.0				
	Stages		Quantity		32						
	Tube type				ø7 Hi-XD						
	Fin		Type		Waffle fin (PE)						
Compressor	Model				2YC40JXD#C						
	Oil Amount			cm³	650						
	Type				Hermetically sealed swing compressor						
	Output			W	1,300						
	Oil Type				FW68DA						
Fan	Type				Propeller fan						
	Air flow rate	Cooling	Nom.	m³/min	55.1						
				cfm	1,947						
		Heating	Nom.	m³/min	55.1						
				cfm	1,947						
Fan motor	Model				D55F-31						
	Output			W	55						
	Speed	Cooling	High	rpm	780						
			Nom.	rpm	740		780				
			Low	rpm	580		620		640		
		Heating	High	rpm	740						
			Nom.	rpm	740						
			Low	rpm	460						
Sound power level	Cooling			dBA	62.0		63.0		64.0		
	Heating			dBA	62.0		63.0		64.0		
Sound pressure level	Cooling		Nom.	dBA	48.0		49.0		50.0		
	Heating		Nom.	dBA	48.0		49.0		50.0		
Refrigerant	Type				R-32						
	Charge			kg	1.55						
				TCO ₂ eq	1.05						
	GWP				675.0						
Piping connections	Liquid	OD		mm	6,4						
	Gas	OD		mm	9.50		12.7				
	Drain	OD		mm	16						
	Piping length	OU - IU	Max.	m	50						
	Additional refrigerant charge				kg/m	0.02 (for piping length exceeding 30m)					
	Level difference	IU - OU	Max.	m	30.0						
	Heat insulation				Both liquid and gas pipes						

2 Specifications

Standard Accessories : Drain plug; Quantity : 1;
 Standard Accessories : Installation manual; Quantity : 1;
 Standard Accessories : Refrigerant charge label; Quantity : 1;
 Standard Accessories : Multilingual fluorinated greenhouse gases labels; Quantity : 1;
 Standard Accessories : Drain cap (1); Quantity : 6;
 Standard Accessories : Drain cap (2); Quantity : 3;
 Standard Accessories : General safety precautions; Quantity : 1;
 Standard Accessories : LOT10 Energy Label; Quantity : 1;

2-9 Electrical Specifications			RZAG35A	RZAG50A	RZAG60A
Power supply	Phase		1~		
	Frequency	Hz	50		
	Voltage	V	220-240		
Wiring connections	For power supply	Remark	Earth wire included		
	For connection with indoor	Remark	Earth wire included		

Notes

See separate drawing for operation range

See separate drawing for electrical data

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

RZAG35A

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG35A2V1B	FDXM35F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,53	16	41	4,9	0,058	0,38	0,034	0,3
		50	230					4,7				
		50	240					4,5				
RZAG35A2V1B	FFA35A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,43	16	38	4,6	0,058	0,38	0,050	0,2
		50	230					4,4				
		50	240					4,2				
RZAG35A2V1B	FBA35A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,63	16	33	3,4	0,058	0,38	0,089	1,4
		50	230					3,3				
		50	240					3,2				
RZAG35A2V1B	FCAG35AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,53	16	37	4,3	0,058	0,38	0,048	0,3
		50	230					4,1				
		50	240					3,9				
RZAG35A2V1B	FNA35A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,73	16	41	4,9	0,058	0,38	0,034	0,5
		50	230					4,7				
		50	240					4,5				
RZAG35A2V1B	FTXM35N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,48	16	40	5,1	0,058	0,38	0,028	0,25
		50	230					4,9				
		50	240					4,7				
RZAG35A2V1B	FHA35AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	36	3,8	0,058	0,38	0,090	0,6
		50	230					3,6				
		50	240					3,5				
RZAG35A2V1B	FDXM50F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,23	16	41	4,8	0,058	0,38	0,060	0,9
		50	230					4,6				
		50	240					4,4				
RZAG35A2V1B	FFA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,63	16	38	4,6	0,058	0,38	0,050	0,4
		50	230					4,4				
		50	240					4,2				
RZAG35A2V1B	FBA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,63	16	33	3,4	0,058	0,38	0,089	1,4
		50	230					3,3				
		50	240					3,2				
RZAG35A2V1B	FCAG50AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,53	16	37	4,3	0,058	0,38	0,048	0,3
		50	230					4,1				
		50	240					3,9				
RZAG35A2V1B	FNA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,73	16	41	4,8	0,058	0,38	0,060	0,5
		50	230					4,6				
		50	240					4,4				
RZAG35A2V1B	FTXM50N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	40	5,0	0,058	0,38	0,046	0,6
		50	230					4,8				
		50	240					4,6				
RZAG35A2V1B	FHA50AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	36	3,8	0,058	0,38	0,090	0,6
		50	230					3,6				
		50	240					3,5				

Notes

- 1) The RLA is based on the following conditions.
Outdoor temperature 35°C DB
Indoor temperature 27°C DB / 19°C WB
- 2) Select the wire size according to the MCA.
- 3) The maximum allowable voltage that is unbalanced between phases is 2%.
- 4) Use a circuit breaker instead of a fuse.

Symbols

- MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
RLA: Rated load amps [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
FLA: Full Load Ampere [A]
kW: Fan motor rated output [kW]
RHz: Rated operating frequency [Hz]

3D118439

RZAG50A

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG50A2V1B	FDXM50F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,23	16	57	5,4	0,06	0,38	0,060	0,9
		50	230					5,2				
		50	240					5,0				
RZAG50A2V1B	FFA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,63	16	62	5,5	0,06	0,38	0,050	0,4
		50	230					5,2				
		50	240					5,0				
RZAG50A2V1B	FBA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,63	16	53	6,8	0,06	0,38	0,089	1,4
		50	230					6,5				
		50	240					6,2				
RZAG50A2V1B	FCAG50AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,53	16	56	7,3	0,06	0,38	0,048	0,3
		50	230					7,0				
		50	240					6,7				
RZAG50A2V1B	FNA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,73	16	57	5,4	0,06	0,38	0,060	0,5
		50	230					5,2				
		50	240					5,0				
RZAG50A2V1B	FTXM50N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	54	6,5	0,06	0,38	0,046	0,6
		50	230					6,2				
		50	240					5,9				
RZAG50A2V1B	FHA50AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	52	5,0	0,06	0,38	0,090	0,6
		50	230					4,8				
		50	240					4,6				
RZAG50A2V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,23	16	57	5,4	0,06	0,38	0,060	0,9
		50	230					5,2				
		50	240					5,0				
RZAG50A2V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	62	5,5	0,06	0,38	0,050	0,6
		50	230					5,2				
		50	240					5,0				
RZAG50A2V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,53	16	53	6,9	0,06	0,38	0,070	1,3
		50	230					6,6				
		50	240					6,3				
RZAG50A2V1B	FCAG60AVEB	50	220	MAX. 50Hz 264V	14,53	16	56	7,3	0,06	0,38	0,048	0,3
50	230	MIN. 50Hz 198V	7,0									
50	240		6,7									
RZAG50A2V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	57	5,4	0,06	0,38	0,060	0,6
		50	230					5,2				
		50	240					5,0				
RZAG50A2V1B	FTXM60N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	54	6,5	0,06	0,38	0,046	0,6
		50	230					6,2				
		50	240					5,9				
RZAG50A2V1B	FHA60AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	52	5,0	0,06	0,38	0,091	0,6
		50	230					4,8				
		50	240					4,6				

3 Electrical data

3 - 1 Electrical Data

RZAG60A

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG60A2V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17,10	20	70	7,3	0,06	0,38	0,060	0,9
		50	230					6,9				
		50	240					6,7				
RZAG60A2V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,70	20	70	9,0	0,06	0,38	0,050	0,6
		50	230					8,6				
		50	240					8,2				
RZAG60A2V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17,40	20	65	7,0	0,06	0,38	0,070	1,3
		50	230					6,7				
		50	240					6,4				
RZAG60A2V1B	FCAG60AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,40	20	72	7,5	0,06	0,38	0,048	0,3
		50	230					7,2				
		50	240					6,9				
RZAG60A2V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,70	20	70	9,0	0,06	0,38	0,060	0,6
		50	230					8,6				
		50	240					8,3				
RZAG60A2V1B	FTXM60N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,70	20	71	8,4	0,06	0,38	0,046	0,6
		50	230					8,1				
		50	240					7,7				
RZAG60A2V1B	FHA60AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,70	20	67	8,1	0,06	0,38	0,091	0,6
		50	230					7,7				
		50	240					7,4				
RZAG60A2V1B	FBA71A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17,40	20	65	8,9	0,06	0,38	0,070	1,3
		50	230					8,5				
		50	240					8,1				
RZAG60A2V1B	FCAG71AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,40	20	72	7,5	0,06	0,38	0,054	0,3
		50	230					7,2				
		50	240					6,9				
RZAG60A2V1B	FTXM71N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,70	20	71	8,4	0,06	0,38	0,052	0,6
		50	230					8,0				
		50	240					7,7				
RZAG60A2V1B	FHA71AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16,90	20	67	8,1	0,06	0,38	0,091	0,8
		50	230					7,7				
		50	240					7,4				

Notes

- 1) The RLA is based on the following conditions.
Outdoor temperature 35°C DB
Indoor temperature 27°C DB / 19°C WB
- 2) Select the wire size according to the MCA.
- 3) The maximum allowable voltage that is unbalanced between phases is 2%.
- 4) Use a circuit breaker instead of a fuse.

Symbols

MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
RLA: Rated load amps [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
FLA: Full Load Ampere [A]
kW: Fan motor rated output [kW]
RHz: Rated operating frequency [Hz]

3D118441

Capacity tables

4 - 1 Cooling Capacity Tables

FTXM50N / RZAG35A

Cooling

Indoor temperature			Outdoor temperature [°C DB]																																															
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40											
RH	EWB	EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI			
[%]	°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	2,91	2,91	0,26	2,91	2,91	0,28	2,91	2,91	0,30	2,91	2,91	0,33	2,91	2,91	0,36	2,91	2,91	0,39	2,91	2,91	0,42	2,91	2,91	0,49	2,91	2,91	0,57	2,91	2,91	0,64	2,91	2,91	0,72	2,85	2,85	0,80	2,69	2,69	0,86									
57	13	18	3,51	2,70	0,34	3,51	2,70	0,37	3,51	2,70	0,40	3,51	2,70	0,43	3,51	2,70	0,47	3,51	2,70	0,50	3,51	2,70	0,50	3,51	2,70	0,56	3,51	2,70	0,62	3,34	2,62	0,68	3,18	2,54	0,74	3,02	2,46	0,80	2,85	2,38	0,86									
31,4	11	20	2,90	2,90	0,26	2,90	2,90	0,28	2,90	2,90	0,30	2,90	2,90	0,33	2,90	2,90	0,36	2,90	2,90	0,39	2,90	2,90	0,42	2,90	2,90	0,49	2,90	2,90	0,57	2,90	2,90	0,64	2,90	2,90	0,72	2,85	2,85	0,80	2,69	2,69	0,86									
44,9	13	20	3,51	3,15	0,34	3,51	3,15	0,37	3,51	3,15	0,40	3,51	3,15	0,43	3,51	3,15	0,47	3,51	3,15	0,50	3,51	3,15	0,50	3,51	3,15	0,56	3,51	3,15	0,62	3,34	3,07	0,68	3,18	3,00	0,74	3,02	2,92	0,80	2,85	2,84	0,86									
52	14	20	3,59	2,90	0,44	3,59	2,90	0,47	3,59	2,90	0,50	3,59	2,90	0,53	3,59	2,90	0,56	3,59	2,90	0,59	3,59	2,90	0,59	3,59	2,90	0,65	3,59	2,90	0,72	3,34	2,83	0,68	3,26	2,75	0,74	3,10	2,68	0,80	2,93	2,60	0,86									
22,9	11	22	2,89	2,89	0,25	2,89	2,89	0,28	2,89	2,89	0,30	2,89	2,89	0,33	2,89	2,89	0,36	2,89	2,89	0,39	2,89	2,89	0,42	2,89	2,89	0,49	2,89	2,89	0,56	2,89	2,89	0,64	2,89	2,89	0,72	2,85	2,85	0,80	2,69	2,69	0,86									
34,8	13	22	3,51	3,51	0,34	3,51	3,51	0,37	3,51	3,51	0,40	3,51	3,51	0,43	3,51	3,51	0,47	3,51	3,51	0,50	3,51	3,51	0,50	3,51	3,51	0,56	3,51	3,51	0,62	3,34	3,34	0,68	3,18	3,18	0,74	3,02	3,02	0,80	2,85	2,85	0,86									
47,6	15	22	3,67	3,11	0,50	3,67	3,11	0,50	3,67	3,11	0,50	3,67	3,11	0,50	3,67	3,11	0,50	3,67	3,11	0,50	3,67	3,11	0,50	3,67	3,11	0,56	3,67	3,11	0,62	3,50	3,04	0,68	3,34	2,96	0,74	3,18	2,89	0,80	3,10	2,57	0,86									
54,3	16	22	3,75	2,86	0,51	3,75	2,86	0,51	3,75	2,86	0,51	3,75	2,86	0,51	3,75	2,86	0,51	3,75	2,86	0,51	3,75	2,86	0,51	3,75	2,86	0,57	3,75	2,86	0,62	3,58	2,78	0,68	3,42	2,71	0,74	3,26	2,64	0,80	3,10	2,52	0,86									
21,2	12	24	3,42	3,42	0,29	3,42	3,42	0,31	3,42	3,42	0,34	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	0,54	3,42	3,42	0,62	3,26	3,26	0,68	3,10	3,10	0,74	2,94	2,94	0,80	2,77	2,77	0,86									
32,1	14	24	3,59	3,59	0,44	3,59	3,59	0,47	3,59	3,59	0,50	3,59	3,59	0,53	3,59	3,59	0,56	3,59	3,59	0,59	3,59	3,59	0,59	3,59	3,59	0,65	3,59	3,59	0,72	3,34	3,34	0,68	3,26	3,26	0,74	3,10	3,10	0,80	2,93	2,93	0,86									
43,8	16	24	3,75	3,31	0,51	3,75	3,31	0,51	3,75	3,31	0,51	3,75	3,31	0,51	3,75	3,31	0,51	3,75	3,31	0,51	3,75	3,31	0,51	3,75	3,31	0,57	3,75	3,31	0,62	3,58	3,24	0,68	3,42	3,17	0,74	3,26	3,10	0,80	3,10	3,03	0,86									
50	17	24	3,83	3,06	0,51	3,83	3,06	0,51	3,83	3,06	0,51	3,83	3,06	0,51	3,83	3,06	0,51	3,83	3,06	0,51	3,83	3,06	0,51	3,83	3,06	0,57	3,83	3,06	0,63	3,66	2,99	0,69	3,50	2,92	0,75	3,34	2,85	0,81	3,18	2,78	0,87									
21,5	14	27	3,59	3,59	0,44	3,59	3,59	0,47	3,59	3,59	0,50	3,59	3,59	0,53	3,59	3,59	0,56	3,59	3,59	0,59	3,59	3,59	0,59	3,59	3,59	0,65	3,59	3,59	0,72	3,34	3,34	0,68	3,26	3,26	0,74	3,10	3,10	0,80	2,93	2,93	0,86									
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	0,56	3,67	3,67	0,62	3,50	3,50	0,68	3,34	3,34	0,74	3,18	3,18	0,80	3,01	3,01	0,86									
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	0,57	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	0,86									

Symbols

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

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

TC: Total capacity [kW]

SHC: Sensible heat capacity [kW]

PI: Power input [kW]

RH: Relative humidity [%]

Notes

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

3D122105

FTXM60N / RZAG50A

Cooling

Indoor temperature			Outdoor temperature [°C DB]																																																
			-20				-15				-10				-5				0				5				10				15				20				25				30				35				40
RH	EWB	EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI							
[%]	°C	°C	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW						
41,8	11	18	3,27	3,27	0,44	3,27	3,27	0,47	3,27	3,27	0,51	3,27	3,27	0,56	3,27	3,27	0,62	3,27	3,27	0,68	3,27	3,27	0,75	3,27	3,27	0,85	3,27	3,27	0,94	3,27	3,27	1,03	3,27	3,27	1,13	3,27	3,27	1,22	3,27	3,27	1,31										
57	13	18	4,54	3,33	0,46	4,54	3,33	0,50	4,54	3,33	0,55	4,54	3,33	0,60	4,54	3,33	0,65	4,54	3,33	0,71	4,54	3,33	0,76	4,54	3,33	0,86	4,54	3,33	0,95	4,54	3,33	1,04	4,54	3,33	1,13	4,31	3,21	1,22	4,08	3,10	1,32										
31,4	11	20	3,26	3,26	0,44	3,26	3,26	0,47	3,26	3,26	0,51	3,26	3,26	0,56	3,26	3,26	0,62	3,26	3,26	0,68	3,26	3,26	0,75	3,26	3,26	0,85	3,26	3,26	0,94	3,26	3,26	1,03	3,26	3,26	1,13	3,26	3,26	1,22	3,26	3,26	1,31										
44,9	13	20	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	4,31	3,73	1,22	4,08	3,61	1,32										
52	14	20	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	0,77	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	1,23	4,19	3,34	1,32										
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	1,13	3,25	3,25	1,22	3,25	3,25	1,31										
34,8	13	22	4,51	4,34	0,46	4,51	4,34	0,50	4,51	4,34	0,55	4,51	4,34	0,60	4,51	4,34	0,65	4,51	4,34	0,71	4,51	4,34	0,76	4,51	4,34	0,86	4,51	4,34	0,95	4,51	4,34	1,04	4,34	1,13	4,31	4,24	1,22	4,08	4,08	1,32											
47,6	15	22	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	4,80	1,14	4,54	3,69	1,23	4,31	3,58	1,32										
54,3	16	22	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	0,96	5,12	3,62	1,05	4,89	3,51	1,14	4,65	3,41	1,23	4,42	3,30	1,32										
21,2	12	24	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										
32,1	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	0,77	5,12	4,83	0,86	5,12	4,83	0,95	4,89	4,71	1,04	4,66	4,60	1,13	4,42	4,42	1,23	4,19	4,19	1,32										
43,8	16	24	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	0,87	5,35	4,25	0,96	5,12	4,14	1,05	4,89	4,03	1,14	4,65	3,92	1,23	4,42	3,82	1,32										
50	17	24	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	0,87	5,47	3,95	0,96	5,24	3,85	1,05	5,00	3,74	1,14	4,77	3,64	1,23	4,54	3,54	1,33										
21,5	14	27	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	0,77	5,12	5,12	0,86	5,12	5,12	0,95	4,89	4,89	1,04	4,66	4,66	1,13	4,42	4,42	1,23	4,19	4,19	1,32										
26,3	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	1,05	4,77	4,77	1,14	4,54	4,54	1,23	4,31	4,31	1,32										
31,3	16	27	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	0,87	5,35	5,02	0,96	5,12	4,91	1,05	4,89	4,80	1,14	4,65	4,65	1,23	4,42	4,42	1,32										

4 Capacity tables

4 - 1 Cooling Capacity Tables

FTXM71N / RZAG60A

Cooling

Indoor temperature			Outdoor temperature [°C DB]																																																																																																																																																																																																																																																																								
			-20				-15				-10				-5				0				5				10				15				20				25				30				35				40																																																																																																																																																																																																																								
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI																																																																																																																																																																																																																						
RH [%]	EWB	EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI																																																																																																																																																																																																																						
41	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	1.71	3.91	3.91	1.86	3.91	3.91	2.01	3.91	3.91	2.16	3.91	3.91	2.31	3.91	3.91	2.46	3.91	3.91	2.61	3.91	3.91	2.76	3.91	3.91	2.91	3.91	3.91	3.06	3.91	3.91	3.21	3.91	3.91	3.36	3.91	3.91	3.51	3.91	3.91	3.66	3.91	3.91	3.81	3.91	3.91	3.96	3.91	3.91	4.11	3.91	3.91	4.26	3.91	3.91	4.41	3.91	3.91	4.56	3.91	3.91	4.71	3.91	3.91	4.86	3.91	3.91	5.01	3.91	3.91	5.16	3.91	3.91	5.31	3.91	3.91	5.46	3.91	3.91	5.61	3.91	3.91	5.76	3.91	3.91	5.91	3.91	3.91	6.06	3.91	3.91	6.21	3.91	3.91	6.36	3.91	3.91	6.51	3.91	3.91	6.66	3.91	3.91	6.81	3.91	3.91	6.96	3.91	3.91	7.11	3.91	3.91	7.26	3.91	3.91	7.41	3.91	3.91	7.56	3.91	3.91	7.71	3.91	3.91	7.86	3.91	3.91	8.01	3.91	3.91	8.16	3.91	3.91	8.31	3.91	3.91	8.46	3.91	3.91	8.61	3.91	3.91	8.76	3.91	3.91	8.91	3.91	3.91	9.06	3.91	3.91	9.21	3.91	3.91	9.36	3.91	3.91	9.51	3.91	3.91	9.66	3.91	3.91	9.81	3.91	3.91	9.96	3.91	3.91	10.11	3.91	3.91	10.26	3.91	3.91	10.41	3.91	3.91	10.56	3.91	3.91	10.71	3.91	3.91	10.86	3.91	3.91	11.01	3.91	3.91	11.16	3.91	3.91	11.31	3.91	3.91	11.46	3.91	3.91	11.61	3.91	3.91	11.76	3.91	3.91	11.91	3.91	3.91	12.06	3.91	3.91	12.21	3.91	3.91	12.36	3.91	3.91	12.51	3.91	3.91	12.66	3.91	3.91	12.81	3.91	3.91	12.96	3.

Symbols

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

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

TC: Total capacity [kW]

SHC: Sensible heat capacity [kW]

PI: Power input [kW]

RH: Relative humidity [%]

Notes

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

3D122109

RZAG35A / FBA50A9

Cooling

[illegible]

Symbols

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

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

TC : Total capacity [kW]

SHC : Sensible heat capacity [kW]

PI : Power input [kW]

RH : Relative humidity [%]

Notes

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

2. When the system performs indoor de-icing operation, these net capacities may change.

3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).

4. The capacities are based on the following conditions:

Corresponding refrigerant piping length: 5 m

Level difference: 0m

3D120432

4 Capacity tables

4 - 1 Cooling Capacity Tables

RZAG35A / FFA50A9

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

Symbols

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

Notes

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

Corresponding refrigerant piping length: 5 m

Level difference: 0m

3D120430

RZAG35A / FHA50A9

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	-				
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	0.77										
31.4	11		3.34	3.34	0.22	3.34	3.34	0.24	3.34	3.34	0.27	3.34	3.34	0.29	3.34	3.34	0.32	3.34	3.34	0.35	3.34	3.34	0.41	3.34	3.34	0.47	3.34	3.34	0.53	3.18	3.18	0.58	3.02	3.02	0.63	2.85	2.85	0.68	2.69	2.69	0.73										
44.9	13	20	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	0.77										
52	14		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	0.53	3.42	3.06	0.58	3.26	2.98	0.63	3.10	2.91	0.69	3.23	2.84	0.77										
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	22	3.51	3.51	0.35	3.51	3.51	0.38	3.51	3.51	0.38	3.51	3.51	0.38	3.51	3.51	0.38	3.51	3.51	0.38	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	0.77										
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	3.50	3.31	0.58	3.34	3.23	0.64	3.18	3.16	0.69	3.01	3.01	0.77										
54.3	16		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	0.53	3.58	3.01	0.59	3.42	3.04	0.64	3.26	2.87	0.69	3.10	2.81	0.77										
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	0.38	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	2.94	0.63	2.94	2.94	0.68	2.77	2.77	0.77										
32.1	14	24	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.48	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	0.77										
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	0.48	3.75	3.62	0.53	3.58	3.55	0.58	3.42	3.42	0.64	3.26	3.26	0.69	3.10	3.10	0.77										
50	17		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	0.53	3.66	3.26	0.59	3.50	3.31	0.64	3.34	3.12	0.69	3.18	3.06	0.77										
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	0.43	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	0.77							
26.3	15	27	3.67	3.67	0.43	3.67	3.67	0.43	3.67	3.67	0.43	3.67	3.67	0.43	3.67	3.67	0.43	3.67	3.67	0.43	3.67	3.67	0.43	3.67	3.67	0.48	3.67	3.67	0.53	3.50	3.50	0.58	3.34	3.34	0.64	3.18	3.18	0.69	3.01	3.01	0.77										
31.3	16		3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.48	3.75	3.75	0.53	3.58	3.58	0.59	3.42	3.42	0.64	3.26	3.26	0.69	3.10	3.10	0.77										

Capacity tables

4 - 1 Cooling Capacity Tables

RZAG35A / FNA50A9

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	-				
41.8	11	18	3.34	3.34	0.29	3.34	3.34	0.32	3.34	3.34	0.35	3.34	3.34	0.38	3.34	3.34	0.42	3.34	3.34	0.46	3.34	3.34	0.53	3.34	3.34	0.59	3.34	3.34	0.66	3.18	3.18	0.72	3.02	3.02	0.79	2.85	2.85	0.85	2.69	2.69	0.91										
57	13		3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.53	3.51	2.96	0.60	3.51	2.96	0.66	3.34	2.89	0.73	3.18	2.81	0.79	3.02	2.74	0.85	2.85	2.66	0.91										
31.4	11		3.34	3.34	0.29	3.34	3.34	0.32	3.34	3.34	0.35	3.34	3.34	0.38	3.34	3.34	0.42	3.34	3.34	0.45	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	0.92										
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	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.60	3.59	3.23	0.66	3.42	3.16	0.73	3.26	3.08	0.79	3.10	3.01	0.86	2.93	2.93	0.92										
22.9	11		3.34	3.34	0.29	3.34	3.34	0.32	3.34	3.34	0.35	3.34	3.34	0.38	3.34	3.34	0.42	3.34	3.34	0.45	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	22	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.53	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	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.60	3.67	3.50	0.67	3.50	3.42	0.73	3.34	3.34	0.79	3.18	3.18	0.86	3.01	3.01	0.92										
54.3	16		3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.60	3.75	3.18	0.67	3.58	3.11	0.73	3.42	3.04	0.80	3.26	2.97	0.86	3.10	2.91	0.92										
21.2	12	24	3.42	3.42	0.37	3.42	3.42	0.40	3.42	3.42	0.43	3.42	3.42	0.47	3.42	3.42	0.47	3.42	3.42	0.47	3.42	3.42	0.53	3.42	3.42	0.60	3.42	3.42	0.66	3.26	3.26	0.72	3.10	3.10	0.79	2.94	2.94	0.85	2.77	2.77	0.92										
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	3.75	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										
50	17	27	3.83	3.44	0.54	3.83	3.44	0.54	3.83	3.44	0.54	3.83	3.44	0.54	3.83	3.44	0.54	3.83	3.44	0.54	3.83	3.44	0.54	3.83	3.44	0.61	3.83	3.44	0.67	3.66	3.37	0.73	3.50	3.31	0.80	3.34	3.24	0.86	3.18	3.18	0.93										
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										

Symbols

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

Notes

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

3D120438

RZAG50A / FBA60A9

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	-				
41.8	11	18	4.05	4.05	0.33	4.05	4.05	0.36	4.05	4.05	0.40	4.05	4.05	0.44	4.05	4.05	0.48	4.05	4.05	0.53	4.05	4.05	0.63	4.05	4.05	0.73	4.05	4.05	0.84	4.05	4.05	0.95	4.05	4.05	1.07	4.05	4.05	1.19	3.85	3.85	1.28										
57	13		5.01	3.81	0.41	5.01	3.81	0.46	5.01	3.81	0.50	5.01	3.81	0.55	5.01	3.81	0.60	5.01	3.81	0.65	5.01	3.81	0.75	5.01	3.81	0.84	5.01	3.81	0.93	4.77	3.70	1.02	4.54	3.59	1.11	4.31	3.47	1.20	4.08	3.36	1.29										
31.4	11	20	4.03	4.03	0.33	4.03	4.03	0.36	4.03	4.03	0.40	4.03	4.03	0.44	4.03	4.03	0.48	4.03	4.03	0.53	4.03	4.03	0.62	4.03	4.03	0.73	4.03	4.03	0.84	4.03	4.03	0.95	4.03	4.03	1.07	4.03	4.03	1.19	3.85	3.85	1.28										
44.9	13		5.01	4.45	0.41	5.01	4.45	0.46	5.01	4.45	0.50	5.01	4.45	0.55	5.01	4.45	0.60	5.01	4.45	0.65	5.01	4.45	0.75	5.01	4.45	0.84	5.01	4.45	0.93	4.77	3.42	1.04	4.52	4.24	1.11	4.31	4.11	1.20	4.08	4.00	1.29										
52	14	5.12	4.10	0.52	5.12	4.10	0.57	5.12	4.10	0.62	5.12	4.10	0.66	5.12	4.10	0.66	5.12	4.10	0.66	5.12	4.10	0.66	5.12	4.10	0.75	5.12	4.10	0.84	5.12	4.10	0.93	4.89	3.99	1.02	4.66	3.88	1.11	4.42	3.77	1.20	4.19	3.67	1.29								
22.9	11	22	4.02	4.02	0.33	4.02	4.02	0.36	4.02	4.02	0.40	4.02	4.02	0.44	4.02	4.02	0.48	4.02	4.02	0.52	4.02	4.02	0.62	4.02	4.02	0.73	4.02	4.02	0.84	4.02	4.02	0.95	4.02	4.02	1.07	4.02	4.02	1.19	3.85	3.85	1.28										
34.8	13		5.01	5.01	0.41	5.01	4.49	0.46	5.01	5.01	0.50	5.01	5.01	0.55	5.01	5.01	0.60	5.01	5.01	0.65	5.01	5.01	0.75	5.01	5.01	0.84	5.01	5.01	0.93	4.77	4.77	1.02	4.54	4.54	1.11	4.31	4.31	1.20	4.08	4.08	1.29										
47.6	15	5.24	4.39	0.67	5.24	4.39	0.67	5.24	4.39	0.67	5.24	4.39	0.67	5.24	4.39	0.67	5.24	4.39	0.67	5.24	4.39	0.67	5.24	4.39	0.75	5.24	4.39	0.84	5.24	4.39	0.94	5.00	4.28	1.03	4.77	4.17	1.12	4.54	4.07	1.21	4.31	3.97	1.30								
54.3	16	24	5.35	4.03	0.76	5.35	4.03	0.76	5.35	4.03	0.76	5.35	4.03	0.76	5.35	4.03	0.76	5.35	4.03	0.76	5.35	4.03	0.76	5.35	4.03	0.85	5.35	4.03	0.94	5.12	3.93	1.03	4.89	3.83	1.12	4.65	3.73	1.21	4.42	3.63	1.30										
21.2	12		4.78	4.78	0.37	4.78	4.78	0.41	4.78	4.78	0.45	4.78	4.78	0.49	4.78	4.78	0.54	4.78	4.78	0.59	4.78	4.78	0.69	4.78	4.78	0.80	4.78	4.78	0.92	4.66	4.66	1.02	4.43	4.43	1.11	4.19	4.19	1.20	3.96	3.96	1.29										
32.1	14	5.12	5.12	0.52	5.12	5.12	0.57	5.12	5.12	0.62	5.12	5.12	0.66	5.12	5.12	0.66	5.12	5.12	0.66	5.12	5.12	0.66	5.12	5.12	0.75	5.12	5.12	0.84	5.12	5.12	0.93	4.89	4.89	1.02	4.66	4.66	1.11	4.42	4.42	1.20	4.19	4.19	1.29								
43.8	16	26	5.35	4.67	0.76	5.35	4.67	0.76	5.35	4.67	0.76	5.35	4.67	0.76	5.35	4.67	0.76	5.35	4.67	0.76	5.35	4.67	0.76	5.35	4.67	0.85	5.35	4.67	0.94	5.12	4.57	1.03	4.89	4.46	1.12	4.65	4.36	1.21	4.42	4.26	1.30										
50	17		5.47	4.31	0.76	5.47	4.31	0.76	5.47	4.31	0.76	5.47	4.31	0.76	5.47	4.31	0.76	5.47	4.31	0.76	5.47	4.31	0.76	5.47	4.31	0.76	5.47	4.31	0.85	5.47	4.31	0.94	5.24	4.21	1.03	5.00	4.11	1.12	4.77	4.02	1.21	4.54	3.92	1.30							
21.5	14	27	5.12	5.12	0.52	5.12	5.12	0.57	5.12	5.12	0.61	5.12	5.12	0.66	5.12	5.12	0.66	5.12	5.12	0.66	5.12	5.12	0.66	5.12	5.12	0.75	5.12	5.12	0.84	5.12	5.12	0.93	4.89	4.89	1.02	4.66	4.66	1.11	4.42	4.42	1.20	4.19	4.19	1.29							
26.3	15		5.24	5.24	0.67	5.24	5.24	0.67	5.24	5.24	0.67	5.24	5.24	0.67	5.24	5.24	0.67	5.24	5.24	0.67	5.24	5.24	0.67	5.24	5.24	0.76	5.24	5.24	0.85	5.24	5.24	0.94	5.00	5.00	1.03	4.77	4.77	1.12	4.54	4.54	1.21	4.31	4.31	1.30							
31.3	16		5.35	5.35	0.76	5.35	5.35	0.76	5.35	5.35	0.76	5.35	5.35	0.76	5.35	5.35	0.76	5.35	5.35	0.76	5.35	5.35	0.76	5.35	5.35	0.76	5.35	5.35	0.85	5.35	5.35	0.93	5.24	5.12	1.03	4.89	4.89	1.12	4.65	4.65	1.21	4.42	4.42	1.30							

4 Capacity tables

4 - 1 Cooling Capacity Tables

RZAG50A / FCAG60A

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	-							
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													
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													
31.4	11	20	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													
44.9	13		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													
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	4.42	3.32	1.24	4.19	3.21	1.33													
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													
34.8	13	22	4.05	3.90	0.33	4.05	3.90	0.37	4.05	3.90	0.40	4.05	3.90	0.44	4.05	3.90	0.49	4.05	3.90	0.53	4.05	3.90	0.63	4.05	3.90	0.74	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													
47.6	15		5.24	3.88	0.40	5.24	3.88	0.44	5.24	3.88	0.49	5.24	3.88	0.53	5.24	3.88	0.58	5.24	3.88	0.63	5.24	3.88	0.74	5.24	3.88	0.85	5.24	3.88	0.97	5.00	3.76	1.06	4.77	3.65	1.15	4.54	3.53	1.24	4.31	3.42	1.34													
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	1.34													
21.2	12		3.46	3.46	0.30	3.46	3.46	0.33	3.46	3.46	0.36	3.46	3.46	0.40	3.46	3.46	0.44	3.46	3.46	0.48	3.46	3.46	0.57	3.46	3.46	0.67	3.46	3.46	0.78	3.46	3.46	0.90	3.46	3.46	1.01	3.46	3.46	1.14	3.46	3.46	1.26													
32.1	14	24	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	4.42	4.25	1.24	4.19	4.13	1.33													
43.8	16		5.35	4.08	0.43	5.35	4.08	0.48	5.35	4.08	0.52	5.35	4.08	0.57	5.35	4.08	0.63	5.35	4.08	0.68	5.35	4.08	0.78	5.35	4.08	0.88	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													
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	5.24	3.70	1.06	5.00	3.59	1.16	4.77	3.48	1.25	4.54	3.38	1.34																
21.5	14		4.62	4.62	0.37	4.62	4.62	0.40	4.62	4.62	0.44	4.62	4.62	0.49	4.62	4.62	0.53	4.62	4.62	0.58	4.62	4.62	0.69	4.62	4.62	0.80	4.62	4.62	0.91	4.62	4.62	1.03	4.62	4.62	1.15	4.42	4.42	1.24	4.19	4.19	1.33													
26.3	15	27	5.24	5.04	0.40	5.24	5.04	0.44	5.24	5.04	0.48	5.24	5.04	0.53	5.24	5.04	0.58	5.24	5.04	0.63	5.24	5.04	0.74	5.24	5.04	0.85	5.24	5.04	0.97	5.00	4.92	1.06	4.77	4.77	1.15	4.54	4.54	1.24	4.31	4.31	1.34													
31.3	16		5.35	4.77	0.43	5.35	4.77	0.48	5.35	4.77	0.52	5.35	4.77	0.57	5.35	4.77	0.62	5.35	4.77	0.68	5.35	4.77	0.78	5.35	4.77	0.88	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	4.33	1.34													

Symbols

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

Notes

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

3D120436

RZAG50A / FDXM60F9

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	-				
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	1.30										
57	13		5.01	3.68	0.40	5.01	3.68	0.44	5.01	3.68	0.48	5.01	3.68	0.53	5.01	3.68	0.57	5.01	3.68	0.63	5.01	3.68	0.74	5.01	3.68	0.85	5.01	3.68	0.96	4.77	3.56	1.05	4.54	3.45	1.15	4.31	3.33	1.24	4.08	3.22	1.33										
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	0.70	3.63	3.63	0.81	3.63	3.63	0.93	3.63	3.63	1.05	3.63	3.63	1.17	3.63	3.63	1.30										
44.9	13		5.01	4.25	0.40	5.01	4.25	0.44	5.01	4.25	0.48	5.01	4.25	0.52	5.01	4.25	0.57	5.01	4.25	0.63	5.01	4.25	0.73	5.01	4.25	0.85	5.01	4.25	0.96	4.77	4.14	1.05	4.54	4.02	1.15	4.31	3.91	1.24	4.08	3.79	1.33										
52	14	22	5.12	3.94	0.43	5.12	3.94	0.48	5.12	3.94	0.53	5.12	3.94	0.57	5.12	3.94	0.63	5.12	3.94	0.68	5.12	3.94	0.78	5.12	3.94	0.87	5.12	3.94	0.96	4.89	3.83	1.06	4.66	3.71	1.15	4.42	3.60	1.24	4.19	3.49	1.33										
22.9	11		3.62	3.62	0.31	3.62	3.62	0.34	3.62	3.62	0.38	3.62	3.62	0.42	3.62	3.62	0.46	3.62	3.62	0.50	3.62	3.62	0.60	3.62	3.62	0.70	3.62	3.62	0.81	3.62	3.62	0.93	3.62	3.62	1.05	3.62	3.62	1.17	3.62	3.62	1.30										
34.8	13	24	5.01	4.83	0.39	5.01	4.83	0.43	5.01	4.83	0.48	5.01	4.83	0.52	5.01	4.83	0.57	5.01	4.83	0.63	5.01	4.83	0.73	5.01	4.83	0.85	5.01	4.83	0.96	4.77	4.71	1.05	4.54	4.54	1.15	4.31	4.31	1.24	4.08	4.08	1.33										
47.6	15		5.24	4.19	0.54	5.24	4.19	0.59	5.24	4.19	0.64	5.24	4.19	0.69	5.24	4.19	0.69	5.24	4.19	0.69	5.24	4.19	0.69	5.24	4.19	0.78	5.24	4.19	0.87	5.24	4.19	0.97	5.00	4.08	1.06	4.77	3.97	1.15	4.34	3.87	1.24	4.31	3.76	1.34							
54.3	16	26	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.78	5.35	3.87	0.88	5.35	3.87	0.97	5.12	3.77	1.06	4.89	3.66	1.15	4.65	3.56	1.25	4.42	3.45	1.34							
21.2	12		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	0.62	4.29	4.29	0.67	4.29	4.29	0.78	4.29	4.29	0.89	4.29	4.29	1.01	4.29	4.29	1.13	4.19	4.19	1.24	3.96	3.96	1.33							
32.1	14	28	5.12	5.08	0.43	5.12	5.08	0.48	5.12	5.08	0.52	5.12	5.08	0.57	5.12	5.08	0.63	5.12	5.08	0.68	5.12	5.08	0.78	5.12	5.08	0.87	5.12	5.08	0.96	4.89	4.89	1.06	4.66	4.66	1.15	4.42	4.42	1.24	4.19	4.19	1.33										
43.8	16		5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.69	5.35	4.44	0.78	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							
50	17	30	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	0.79	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							
21.5	14		5.12	5.12	0.43	5.12	5.12	0.48	5.12	5.12	0.52	5.12	5.12	0.57	5.12	5.12	0.62	5.12	5.12	0.68	5.12	5.12	0.78	5.12	5.12	0.87	5.12	5.12	0.96	4.89	4.89	1.06	4.66	4.66	1.15	4.42	4.42	1.24	4.19	4.19	1.33										
26.3	15	32	5.24	5.24	0.54	5.24	5.24	0.59	5.24	5.24	0.64	5.24	5.24	0.69	5.24	5.24	0.69	5.24	5.24	0.69	5.24	5.24	0.69	5.24	5.24	0.78	5.24	5.24	0.87	5.24	5.24	0.97	5.00	5.00	1.06	4.77	4.77	1.15	4.54	4.54	1.24	4.31	4.31	1.33							
31.3	16		5.35	5.30	0.69	5.35	5.30	0.69	5.35	5.30	0.69	5.35	5.30	0.69	5.35	5.30	0.69	5.35	5.30	0.69	5.35	5.30	0.69	5.35	5.30	0.78	5.35	5.30	0.88	5.35	5.30	0.97	5.12	5.12	1.06	4.89	4.89	1.15	4.65	4.65	1.25	4.42	4.42	1.34							

4 Capacity tables
4 - 1 Cooling Capacity Tables

RZAG50A / FFA60A9

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	-				
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	1,46	3,37	3,37	1,46				
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	3,36	3,36	1,40	3,36	3,36	1,40				
31,4	11	20	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	1,46	3,36	3,36	1,46				
44,9	13		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	3,36	3,36	1,46	3,36	3,36	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	3,38	3,38	1,47	3,38	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	1,46	3,35	3,35	1,46				
34,8	13	22	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	3,36	3,36	1,46	3,36	3,36	1,46				
47,6	15		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	3,36	3,36	1,47	3,36	3,36	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	3,36	3,36	1,47	3,36	3,36	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	3,96	3,96	1,46	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	3,36	3,36	1,47	3,36	3,36	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	3,36	3,36	1,47	3,36	3,36	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	0,86	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	3,36	3,36	1,48	3,36	3,36	1,48	
21,5	14		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	3,36	3,36	1,47	3,36	3,36	1,47				
26,3	15	27	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	3,36	3,36	1,47	3,36	3,36	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	0,76	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	3,36	3,36	1,47	3,36	3,36	1,47	

Symbols

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

Notes

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

3D120431

RZAG50A / FHA60A9

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	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-			
42	11	18	4,03	4,03	0,32	4,03	4,03	0,35	4,03	4,03	0,39	4,03	4,03	0,43	4,03	4,03	0,47	4,03	4,03	0,51	4,03	4,03	0,61	4,03	4,03	0,71	4,03	4,03	0,82	4,03	4,03	0,93	4,03	4,03	1,04	4,03	4,03	1,15	3,85	3,85	1,25	3,85	3,85	1,25	3,85	3,85	1,25	3,85	3,85	1,25			
57	13		5,01	3,81	0,40	5,01	3,81	0,44	5,01	3,81	0,49	5,01	3,81	0,53	5,01	3,81	0,58	5,01	3,81	0,63	5,01	3,81	0,73	5,01	3,81	0,82	5,01	3,81	0,90	4,77	3,69	0,99	4,54	3,58	1,08	4,31	3,47	1,16	4,08	3,36	1,25	3,36	3,36	1,25	3,36	3,36	1,25	3,36	3,36	1,25			
31	11		4,02	4,02	0,32	4,02	4,02	0,35	4,02	4,02	0,39	4,02	4,02	0,43	4,02	4,02	0,47	4,02	4,02	0,51	4,02	4,02	0,61	4,02	4,02	0,71	4,02	4,02	0,82	4,02	4,02	0,93	4,02	4,02	1,04	4,02	4,02	1,15	3,85	3,85	1,25	3,85	3,85	1,25	3,85	3,85	1,25	3,85	3,85	1,25			
45	13	20	5,01	4,44	0,40	5,01	4,44	0,44	5,01	4,44	0,49	5,01	4,44	0,53	5,01	4,44	0,58	5,01	4,44	0,63	5,01	4,44	0,73	5,01	4,44	0,82	5,01	4,44	0,90	4,77	4,33	0,99	4,54	4,02	1,08	4,31	4,01	1,16	4,08	3,36	1,25	3,36	3,36	1,25	3,36	3,36	1,25	3,36	3,36	1,25			
52	14		5,12	4,10	0,50	5,12	4,10	0,55	5,12	4,10	0,60	5,12	4,10	0,64	5,12	4,10	0,64	5,12	4,10	0,64	5,12	4,10	0,64	5,12	4,10	0,71	5,12	4,10	0,82	5,12	4,10	0,91	4,89	3,99	0,99	4,66	3,88	1,08	4,42	3,77	1,17	4,19	3,66	1,25	3,66	3,66	1,25	3,66	3,66	1,25			
23	11		4,01	4,01	0,32	4,01	4,01	0,35	4,01	4,01	0,39	4,01	4,01	0,43	4,01	4,01	0,47	4,01	4,01	0,51	4,01	4,01	0,61	4,01	4,01	0,71	4,01	4,01	0,82	4,01	4,01	0,93	4,01	4,01	1,04	4,01	4,01	1,15	3,85	3,85	1,25	3,85	3,85	1,25	3,85	3,85	1,25	3,85	3,85	1,25			
35	13		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	3,36	1,25	3,36	3,36	1,25	3,36	3,36	1,25	3,36	3,36	1,25			
48	15		5,24	4,38	0,65	5,24	4,38	0,65	5,24	4,38	0,65	5,24	4,38	0,65	5,24	4,38	0,65	5,24	4,38	0,65	5,24	4,38	0,65	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	1,25	3,96	3,96	1,25	3,96	3,96	1,25			
54	16		5,35	4,03	0,74	5,35	4,03	0,74	5,35	4,03	0,74	5,35	4,03	0,74	5,35	4,03	0,74	5,35	4,03	0,74	5,35	4,03	0,74	5,35	4,03	0,82	5,35	4,03	0,91	5,12	3,92	1,00	4,89	3,82	1,08	4,65	3,72	1,17	4,42	3,62	1,25	3,62	3,62	1,25	3,62	3,62	1,25	3,62	3,62	1,25			
21	12		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	0,87	4,76	4,76	0,98	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	3,96	3,96	1,25			
32	14		5,12	5,12	0,50	5,12	5,12	0,55	5,12	5,12	0,60	5,12	5,12	0,64	5,12	5,12	0,64	5,12	5,12	0,64	5,12	5,12	0,73	5,12	5,12	0,82	5,12	5,12	0,91	4,89	4,89	0,99	4,66	4,66	1,08	4,42	4,42	1,17	4,19	4,19	1,25	4,19	4,19	1,25	4,19	4,19	1,25	4,19	4,19	1,25			
44	16		5,35	4,66	0,74	5,35	4,66	0,74	5,35	4,66	0,74	5,35	4,66	0,74	5,35	4,66	0,74	5,35	4,66	0,74	5,35	4,66	0,74	5,35	4,66	0,82	5,35	4,66	0,91	5,12	4,56	1,00	4,89	4,46	1,08	4,65	4,35	1,17	4,42	4,25	1,26	4,25	4,25	1,26	4,25	4,25	1,26	4,25	4,25	1,26			
50	17		5,47	4,30	0,74	5,47	4,30	0,74	5,47	4,30	0,74	5,47	4,30	0,74	5,47	4,30	0,74	5,47	4,30	0,74	5,47	4,30	0,74	5,47	4,30	0,83	5,47	4,30	0,91	5,24	4,20	1,00	5,00	4,11	1,09	4,77	4,01	1,17	4,54	3,91	1,26	3,91	3,91	1,26	3,91	3,91	1,26	3,91	3,91	1,26			
22	14		5,12	5,12	0,50	5,12	5,12	0,55	5,12	5,12	0,60	5,12	5,12	0,64	5,12	5,12	0,64	5,12	5,12	0,64	5,12	5,12	0,73	5,12	5,12	0,82	5,12	5,12	0,91	4,89	4,89	0,99	4,66	4,66	1,08	4,42	4,42	1,17	4,19	4,19	1,25	4,19	4,19	1,25	4,19	4,19	1,25	4,19	4,19	1,25			
26	15	27	5,24	5,24	0,65	5,24	5,24	0,65	5,24	5,24	0,65	5,24	5,24	0,65	5,24	5,24	0,65	5,24	5,24	0,65	5,24	5,24	0,73	5,24	5,24	0,82	5,24	5,24	0,91	5,00	5,00	1,00	4,77	4,77	1,08	4,54	4,54	1,17	4,31	4,31	1,26	4,31	4,31	1,26	4,31	4,31	1,26	4,31	4,31	1,26			
31	16		5,35	5,35	0,74	5,35	5,35	0,74	5,35	5,35	0,74	5,35	5,35	0,74	5,35	5,35	0,74	5,35	5,35	0,74	5,35	5,35	0,74	5,35	5,35	0,82	5,35	5,35	0,91	5,12	5,12	1,00	4,89	4,89	1,08	4,65	4,65	1,17	4,42	4,42	1,26	4,42	4,42	1,26	4,42	4,42	1,26	4,42	4,42	1,26	4,42	4,42	1,26

Capacity tables

4 - 1 Cooling Capacity Tables

RZAG50A / FNA60A

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	-				
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	1,30										
57	13		5,01	3,68	0,40	5,01	3,68	0,44	5,01	3,68	0,48	5,01	3,68	0,53	5,01	3,68	0,57	5,01	3,68	0,63	5,01	3,68	0,68	5,01	3,68	0,74	5,01	3,68	0,85	5,01	3,68	0,96	4,77	3,56	1,05	4,54	3,45	1,15	4,31	3,33	1,24	4,08	3,22	1,33							
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	0,70	3,63	3,63	0,81	3,63	3,63	0,93	3,63	3,63	1,05	3,63	3,63	1,17	3,63	3,63	1,30										
44.9	13		5,01	4,25	0,40	5,01	4,25	0,44	5,01	4,25	0,48	5,01	4,25	0,52	5,01	4,25	0,57	5,01	4,25	0,63	5,01	4,25	0,73	5,01	4,25	0,85	5,01	4,25	0,96	4,77	4,14	1,05	4,54	4,02	1,15	4,31	3,91	1,24	4,08	3,79	1,33										
52	14		5,12	3,94	0,43	5,12	3,94	0,48	5,12	3,94	0,53	5,12	3,94	0,57	5,12	3,94	0,63	5,12	3,94	0,68	5,12	3,94	0,78	5,12	3,94	0,87	5,12	3,94	0,96	4,89	3,83	1,06	4,66	3,71	1,15	4,42	3,60	1,24	4,19	3,49	1,33										
22.9	11		3,62	3,62	0,31	3,62	3,62	0,34	3,62	3,62	0,38	3,62	3,62	0,42	3,62	3,62	0,46	3,62	3,62	0,50	3,62	3,62	0,60	3,62	3,62	0,70	3,62	3,62	0,81	3,62	3,62	0,93	3,62	3,62	1,05	3,62	3,62	1,17	3,62	3,62	1,30										
34.8	13	22	5,01	4,83	0,39	5,01	4,83	0,43	5,01	4,83	0,48	5,01	4,83	0,52	5,01	4,83	0,57	5,01	4,83	0,62	5,01	4,83	0,73	5,01	4,83	0,85	5,01	4,83	0,96	4,77	4,71	1,05	4,54	4,54	1,15	4,31	4,31	1,24	4,08	4,08	1,33										
47.6	15		5,24	4,19	0,54	5,24	4,19	0,59	5,24	4,19	0,64	5,24	4,19	0,69	5,24	4,19	0,69	5,24	4,19	0,69	5,24	4,19	0,78	5,24	4,19	0,87	5,24	4,19	0,97	5,00	4,08	1,06	4,77	3,97	1,15	4,54	3,87	1,24	4,31	3,76	1,34										
54.3	16		5,35	3,87	0,69	5,35	3,87	0,69	5,35	3,87	0,69	5,35	3,87	0,69	5,35	3,87	0,69	5,35	3,87	0,69	5,35	3,87	0,78	5,35	3,87	0,88	5,35	3,87	0,97	5,12	3,77	1,06	4,89	3,66	1,15	4,65	3,56	1,25	4,42	3,45	1,34										
21.2	12		4,29	4,29	0,35	4,29	4,29	0,39	4,29	4,29	0,43	4,29	4,29	0,47	4,29	4,29	0,52	4,29	4,29	0,56	4,29	4,29	0,67	4,29	4,29	0,78	4,29	4,29	0,89	4,29	4,29	1,01	4,29	4,29	1,13	4,19	4,19	1,24	3,96	3,96	1,33										
32.1	14	24	5,12	5,08	0,43	5,12	5,08	0,48	5,12	5,08	0,52	5,12	5,08	0,57	5,12	5,08	0,63	5,12	5,08	0,68	5,12	5,08	0,78	5,12	5,08	0,87	5,12	5,08	0,96	4,89	4,89	1,06	4,66	4,66	1,15	4,42	4,42	1,24	4,19	4,19	1,33										
43.8	16		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										
50	17		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	0,79	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							
21.5	14		5,12	5,12	0,43	5,12	5,12	0,48	5,12	5,12	0,52	5,12	5,12	0,57	5,12	5,12	0,62	5,12	5,12	0,68	5,12	5,12	0,78	5,12	5,12	0,87	5,12	5,12	0,96	4,89	4,89	1,06	4,66	4,66	1,15	4,42	4,42	1,24	4,19	4,19	1,33										
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										
31.3	16		5,35	5,30	0,69	5,35	5,30	0,69	5,35	5,30	0,69	5,35	5,30	0,69	5,35	5,30	0,69	5,35	5,30	0,69	5,35	5,30	0,78	5,35	5,30	0,88	5,35	5,30	0,97	5,12	5,12	1,06	4,89	4,89	1,15	4,65	4,65	1,25	4,42	4,42	1,34										

Symbols

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

Notes

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

3D120439

RZAG60A / FBA71A9

Cooling

Indoor			Outdoor temperature [°C DB]																																															
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40											
RH	EWB	EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI						
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-						
41.8	11	18	4,05	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									
57	13		5,61	4,12	0,45	5,61	4,12	0,49	5,61	4,12	0,54	5,61	4,12	0,60	5,61	4,12	0,65	5,61	4,12	0,71	5,61	4,12	0,83	5,61	4,12	0,95	5,61	4,12	1,07	5,61	4,12	1,17	5,45	4,03	1,27	5,17	3,89	1,37	4,89	3,76	1,48									
31.4	11	20	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									
44.9	13		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	1,48									
52	14		6,15	4,60	0,47	6,15	4,60	0,52	6,15	4,60	0,57	6,15	4,60	0,63	6,15	4,60	0,68	6,15	4,60	0,74	6,15	4,60	0,86	6,15	4,60	0,97	6,15	4,60	1,07	5,87	4,47	1,17	5,59	4,33	1,27	5,31	4,19	1,38	5,03	4,06	1,48									
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									
34.8	13	22	5,59	5,38	0,44	5,59	5,38	0,49	5,59	5,38	0,54	5,59	5,38	0,59	5,59	5,38	0,65	5,59	5,38	0,71	5,59	5,38	0,83	5,59	5,38	0,95	5,59	5,38	1,07	5,59	5,38	1,17	5,45	5,31	1,27	5,17	5,17	1,37	4,89	4,89	1,47									
47.6	15		6,29	4,89	0,49	6,29	4,89	0,54	6,29	4,89	0,60	6,29	4,89	0,65	6,29	4,89	0,71	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	5,45	4,49	1,38	5,17	4,36	1,48									
54.3	16		6,42	4,52	0,66	6,42	4,52	0,71	6,42	4,52	0,77	6,42	4,52	0,77	6,42	4,52	0,77	6,42	4,52	0,77	6,42	4,52	0,77	6,42	4,52	0,97	6,42	4,52	1,07	6,14	4,39	1,18	5,86	4,27	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	4,75	4,75	1,47									
32.1	14	24	6,15	5,88	0,47	6,15	5,88	0,52	6,15	5,88	0,57	6,15	5,88	0,63	6,15	5,88	0,68	6,15	5,88	0,74	6,15	5,88	0,86	6,15	5,88	0,97	6,15	5,88	1,07	5,87	5,74	1,17	5,59	5,59	1,27	5,31	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	0,77	6,42	5,16	0,77	6,42	5,16	0,77	6,42	5,16	0,87	6,42	5,16	0,97	6,42	5,16	1,07	6,14	5,03	1,18	5,86	4,90	1,28	5,59	4,78	1,38	5,31	4,65	1,49									
50	17		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	0,97	6,56	4,80	1,08	6,28	4,67	1,18	6,00	4,55	1,28	5,72	4,42	1,39	5,44	4,30	1,49									
21.5	14		27	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	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	0,77	6,42	6,12	0,77	6,42	6,12	0,77	6,42	6,12	0,87	6,42	6,12	0,97	6,42	6,12	1,07	6,14	5,99	1,18	5,86	5,86	1,28	5,59	5,59	1,38	5,31	5,31	1,49									

Capacity tables

4 - 1 Cooling Capacity Tables

RZAG60A / FCAG71A

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	-	
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	0.81	3.40	3.40	0.85	3.40	3.40	0.89	3.40	3.40	0.93	3.40	3.40	0.97	3.40	3.40	1.01	3.40	3.40	1.05	3.40	3.40	1.09	3.40	3.40	1.13	3.40	3.40	1.17	
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	0.87	4.72	3.46	0.92	4.72	3.46	0.97	4.72	3.46	1.01	4.72	3.46	1.05	4.72	3.46	1.09	4.72	3.46	1.13	4.72	3.46	1.17	4.72	3.46	1.21	4.72	3.46	1.25	
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	0.81	3.39	3.39	0.85	3.39	3.39	0.89	3.39	3.39	0.93	3.39	3.39	0.97	3.39	3.39	1.01	3.39	3.39	1.05	3.39	3.39	1.09	3.39	3.39	1.13	3.39	3.39	1.17	
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	0.87	4.71	3.99	0.91	4.71	3.99	0.95	4.71	3.99	0.99	4.71	3.99	1.03	4.71	3.99	1.07	4.71	3.99	1.11	4.71	3.99	1.15	4.71	3.99	1.19	4.71	3.99	1.23	
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	0.89	5.40	3.99	0.93	5.40	3.99	0.97	5.40	3.99	1.01	5.40	3.99	1.05	5.40	3.99	1.09	5.40	3.99	1.13	5.40	3.99	1.17	5.40	3.99	1.21	5.40	3.99	1.25	
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	0.73	3.38	3.38	0.79	3.38	3.38	0.85	3.38	3.38	0.91	3.38	3.38	0.97	3.38	3.38	1.03	3.38	3.38	1.09	3.38	3.38	1.15	3.38	3.38	1.21	3.38	3.38	1.27	3.38	3.38	1.33	
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	0.87	4.69	4.52	0.91	4.69	4.52	0.95	4.69	4.52	0.99	4.69	4.52	1.03	4.69	4.52	1.07	4.69	4.52	1.11	4.69	4.52	1.15	4.69	4.52	1.19	4.69	4.52	1.23	
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	0.91	6.11	4.52	0.95	6.11	4.52	0.99	6.11	4.52	1.03	6.11	4.52	1.07	6.11	4.52	1.11	6.11	4.52	1.15	6.11	4.52	1.19	6.11	4.52	1.23	6.11	4.52	1.27	
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	0.92	6.42	4.30	0.98	6.42	4.30	1.04	6.42	4.30	1.10	6.42	4.30	1.16	6.42	4.30	1.22	6.42	4.30	1.28	6.42	4.30	1.34	6.42	4.30	1.40	6.42	4.30	1.46	
21.2	12	24	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	0.86	4.01	4.01	0.94	4.01	4.01	1.02	4.01	4.01	1.10	4.01	4.01	1.18	4.01	4.01	1.26	4.01	4.01	1.34	4.01	4.01	1.42	4.01	4.01	1.50	4.01	4.01	1.58	
32.1	14		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	0.90	5.38	5.05	0.97	5.38	5.05	1.04	5.38	5.05	1.11	5.38	5.05	1.18	5.38	5.05	1.25	5.38	5.05	1.32	5.38	5.05	1.39	5.38	5.05	1.46	5.38	5.05	1.53	
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	0.93	6.42	4.83	0.99	6.42	4.83	1.06	6.42	4.83	1.13	6.42	4.83	1.20	6.42	4.83	1.27	6.42	4.83	1.34	6.42	4.83	1.41	6.42	4.83	1.48	6.42	4.83	1.55	
50	17	27	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	0.93	6.56	4.52	0.99	6.56	4.52	1.05	6.56	4.52	1.11	6.56	4.52	1.17	6.56	4.52	1.23	6.56	4.52	1.29	6.56	4.52	1.35	6.56	4.52	1.41	6.56	4.52	1.47	
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	0.90	5.36	5.36	0.97	5.36	5.36	1.04	5.36	5.36	1.11	5.36	5.36	1.18	5.36	5.36	1.25	5.36	5.36	1.32	5.36	5.36	1.39	5.36	5.36	1.46	5.36	5.36	1.53	
26.3	15		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	0.92	6.08	5.84	0.99	6.08	5.84	1.06	6.08	5.84	1.13	6.08	5.84	1.20	6.08	5.84	1.27	6.08	5.84	1.34	6.08	5.84	1.41	6.08	5.84	1.48	6.08	5.84	1.55	
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	0.93	6.42	5.64	0.99	6.42	5.64	1.06	6.42	5.64	1.13	6.42	5.64	1.20	6.42	5.64	1.27	6.42	5.64	1.34	6.42	5.64	1.41	6.42	5.64	1.48	6.42	5.64	1.55		

Symbols

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

Notes

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

3D120437

RZAG60A / FHA71A9

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	-				
42	11	18	4.61	4.61	0.41	4.61	4.61	0.45	4.61	4.61	0.50	4.61	4.61	0.55	4.61	4.61	0.61	4.61	4.61	0.67	4.61	4.61	0.73	4.61	4.61	0.79	4.61	4.61	0.85	4.61	4.61	0.91	4.61	4.61	0.97	4.61	4.61	1.03	4.61	4.61	1.09	4.61	4.61	1.15	4.61	4.61	1.21	4.61	4.61	1.27	
57	13		6.01	4.50	0.47	6.01	4.50	0.51	6.01	4.50	0.57	6.01	4.50	0.62	6.01	4.50	0.68	6.01	4.50	0.74	6.01	4.50	0.80	6.01	4.50	0.85	6.01	4.50	0.91	6.01	4.50	0.97	6.01	4.50	1.03	6.01	4.50	1.09	6.01	4.50	1.15	6.01	4.50	1.21	6.01	4.50	1.27	6.01	4.50	1.33	
31	11	20	4.59	4.59	0.41	4.59	4.59	0.45	4.59	4.59	0.50	4.59	4.59	0.55	4.59	4.59	0.61	4.59	4.59	0.67	4.59	4.59	0.73	4.59	4.59	0.79	4.59	4.59	0.85	4.59	4.59	0.91	4.59	4.59	0.97	4.59	4.59	1.03	4.59	4.59	1.09	4.59	4.59	1.15	4.59	4.59	1.21	4.59	4.59	1.27	
45	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	0.80	6.01	5.22	0.85	6.01	5.22	0.91	6.01	5.22	0.97	6.01	5.22	1.03	6.01	5.22	1.09	6.01	5.22	1.15	6.01	5.22	1.21	6.01	5.22	1.27	6.01	5.22	1.33	
52	14		6.15	4.82	0.54	6.15	4.82	0.59	6.15	4.82	0.64	6.15	4.82	0.70	6.15	4.82	0.75	6.15	4.82	0.81	6.15	4.82	0.85	6.15	4.82	0.91	6.15	4.82	0.96	6.15	4.82	1.00	6.15	4.82	1.05	6.15	4.82	1.10	6.15	4.82	1.15	6.15	4.82	1.20	6.15	4.82	1.25	6.15	4.82	1.30	
23	11		4.58	4.58	0.41	4.58	4.58	0.45	4.58	4.58	0.50	4.58	4.58	0.55	4.58	4.58	0.61	4.58	4.58	0.67	4.58	4.58	0.73	4.58	4.58	0.79	4.58	4.58	0.85	4.58	4.58	0.91	4.58	4.58	0.97	4.58	4.58	1.03	4.58	4.58	1.09	4.58	4.58	1.15	4.58	4.58	1.21	4.58	4.58	1.27	
35	13	22	6.01	5.94	0.47	6.01	5.94	0.51	6.01	5.94	0.57	6.01	5.94	0.62	6.01	5.94	0.68	6.01	5.94	0.74	6.01	5.94	0.79	6.01	5.94	0.85	6.01	5.94	0.91	6.01	5.94	0.97	6.01	5.94	1.03	6.01	5.94	1.09	6.01	5.94	1.15	6.01	5.94	1.21	6.01	5.94	1.27	6.01	5.94	1.33	
48	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	0.76	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	
54	16		6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	
21	12		5.44	5.44	0.44	5.44	5.44	0.48	5.44	5.44	0.53	5.44	5.44	0.59	5.44	5.44	0.64	5.44	5.44	0.70	5.44	5.44	0.74	5.44	5.44	0.78	5.44	5.44	0.83	5.44	5.44	0.88	5.44	5.44	0.93	5.44	5.44	0.98	5.44	5.44	1.03	5.44	5.44	1.08	5.44	5.44	1.13	5.44	5.44	1.18	
32	14		6.15	6.15	0.54	6.15	6.15	0.59	6.15	6.15	0.64	6.15	6.15	0.70	6.15	6.15	0.75	6.15	6.15	0.81	6.15	6.15	0.85	6.15	6.15	0.91	6.15	6.15	0.96	6.15	6.15	1.01	6.15	6.15	1.06	6.15	6.15	1.11	6.15	6.15	1.16	6.15	6.15	1.21	6.15	6.15	1.26	6.15	6.15	1.31	
44	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	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	
50	17	27	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	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	
22	14		6.15	6.15	0.48	6.15	6.15	0.54	6.15	6.15	0.59	6.15	6.15	0.65	6.15	6.15	0.70	6.15	6.15	0.75	6.15	6.15	0.81	6.15	6.15	0.85	6.15	6.15	0.91	6.15	6.15	0.96	6.15	6.15	1.01	6.15	6.15	1.06	6.15	6.15	1.11	6.15	6.15	1.16	6.15	6.15	1.21	6.15	6.15	1.26	
26	15		6.29	6.29	0.62	6.29	6.29	0.70	6.29	6.29	0.76	6.29	6.29	0.82	6.29	6.29	0.88	6.29	6.29	0.94	6.29	6.29	1.00	6.29	6.29	1.06	6.29	6.29	1.12	6.29	6.29	1.18	6.29	6.29	1.24	6.29	6.29	1.30	6.29	6.29	1.36	6.29	6.29	1.42	6.29	6.29	1.48	6.29	6.29	1.54	
31	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	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	
40	18		6.15	6.15	0.54	6.15	6.15	0.59	6.15	6.15	0.64	6.15	6.15	0.70	6.15	6.15	0.75	6.15	6.15	0.81	6.15	6.15	0.85	6.15	6.15	0.91	6.15	6.15	0.96	6.15	6.15	1.01	6.15	6.15	1.06	6.15	6.15	1.11	6.15	6.15	1.16	6.15	6.15	1.21	6.15	6.15	1.26	6.15	6.15	1.31	

4 Capacity tables

4 - 2 Cooling/Heating Capacity Tables

FTXM35N / RZAG35A

Cooling 50 Hz 220 - 240 V

AFR	12,3
BF	0,21

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

Heating 50 Hz 220 - 240 V

AFR	10,8
-----	------

Indoor		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,87	0,82	2,40	0,86	2,94	0,90	3,49	0,94	4,21	0,99	4,53	1,01	1,01
20	1,66	0,88	2,19	0,91	2,73	0,95	3,28	0,99	4,00	1,04	4,32	1,06	1,06
22	1,58	0,90	2,11	0,93	2,64	0,97	3,20	1,01	3,92	1,06	4,23	1,08	1,08
24	1,49	0,92	2,03	0,95	2,56	0,99	3,12	1,03	3,83	1,07	4,15	1,10	1,10
25	1,45	0,93	1,98	0,96	2,52	1,00	3,07	1,04	3,79	1,07	4,11	1,11	1,11
27	1,37	0,95	1,90	0,99	2,43	1,02	2,99	1,06	3,71	1,08	4,02	1,14	1,14

Symbols

AFR: Air flow rate [m³/min]

BF: Bypass factor

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

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

TC: Total capacity [kW]

SHC: Sensible heat capacity [kW]

PI: Power input [kW]

Notes

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

3D122104

FTXM50N / RZAG50A

Cooling 50 Hz 220 - 240 V

AFR	16,1
BF	0,13

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

Heating 50 Hz 220 - 240 V

AFR	17,1
-----	------

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

Symbols

AFR: Air flow rate [m³/min]

BF: Bypass factor

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

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

TC: Total capacity [kW]

SHC: Sensible heat capacity [kW]

PI: Power input [kW]

Notes

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

3D122106

4 Capacity tables

4 - 2 Cooling/Heating Capacity Tables

FTXM60N / RZAG60A

Cooling 50 Hz 220 - 240 V

AFR	17,1
BF	0,17

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

Heating 50 Hz 220 - 240 V

AFR	17,7
-----	------

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

Symbols

AFR: Air flow rate [m³/min]

BF: Bypass factor

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

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

TC: Total capacity [kW]

SHC: Sensible heat capacity [kW]

PI: Power input [kW]

Notes

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

3D122108

RZAG35A/FBA35A9

Cooling

50 Hz

220 - 240 V

AFR	15,0
BF	0,1

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

Heating

50 Hz

220 - 240 V

AFR	15,0
-----	------

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

Symbols

AFR: Air flow rate [m³/min]

BF: Bypass factor

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

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

TC: Total capacity [kW]

SHC: Sensible heat capacity [kW]

PI: Power input [kW]

Notes

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

3D120368

4 Capacity tables

4 - 2 Cooling/Heating Capacity Tables

RZAG35A/FCAG35A

Cooling

·50· Hz

·220 - 240· V

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

·50· Hz

·220 - 240· V

AFR	12,5
-----	------

Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	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.
- On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5· m
Level difference: ·0· m
- The air flow rate and bypass factor are mentioned in the table.

3D120371

RZAG35A / FDXM35F9

Cooling

50 Hz

220 - 240 V

AFR	8,7
BF	0,16

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

Heating

50 Hz

220 - 240 V

AFR	8,7
-----	-----

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

Symbols

AFR : Air flow rate [m³/min]

BF : Bypass factor

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

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

TC : Total capacity [kW]

SHC : Sensible heat capacity [kW]

PI : Power input [kW]

Notes

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

3D120378

4 Capacity tables

4 - 2 Cooling/Heating Capacity Tables

RZAG35A/FFA35A9

Cooling

·50· Hz

·220 - 240· V

AFR	10,0
BF	0,2

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

Heating

·50· Hz

·220 - 240· V

AFR	10,0
-----	------

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

3D120375

RZAG35A / FHA35A9

Cooling

·50· Hz

·220 - 240· V

AFR	14,0
BF	0,16

Indoor temperature		Outdoor temperature [°C DB]																			
EWB	EDB	20			25			30			32			35			40				
°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

·50· Hz

·220 - 240· V

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

3D120386

4 Capacity tables

4 - 2 Cooling/Heating Capacity Tables

RZAG35A / FNA35A9

Cooling 50 Hz 220 - 240 V

AFR	8,7
BF	0,16

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

Heating 50 Hz 220 - 240 V

AFR	8,7
-----	-----

Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	15,0	1,90	0,92	2,29	0,97	2,67	1,01	3,06	1,06	4,14	1,12	4,50	1,15
20,0	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	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	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	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	27,0	1,62	0,98	2,01	1,03	2,39	1,07	2,77	1,12	3,81	1,18	4,17	1,22

Symbols

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

Notes

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

3D120389

RZAG50A/FBA50A9

Cooling 50 Hz 220 - 240 V

AFR	15,0
BF	0,12

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

Heating 50 Hz 220 - 240 V

AFR	15,0
-----	------

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

Symbols

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

Notes

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

3D120369

4 Capacity tables

4 - 2 Cooling/Heating Capacity Tables

RZAG50A/FCAG50A

Cooling

·50· Hz

·220 - 240· V

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

Heating

·50· Hz

·220 - 240· V

AFR	12,6
-----	------

Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,76	1,26	3,32	1,32	3,88	1,39	4,43	1,45	6,00	1,53	6,52	1,58	
20,0	2,59	1,29	3,15	1,36	3,71	1,42	4,26	1,49	5,80	1,56	6,32	1,61	
22,0	2,52	1,31	3,08	1,37	3,64	1,44	4,19	1,50	5,72	1,58	6,24	1,63	
24,0	2,46	1,32	3,01	1,39	3,57	1,45	4,13	1,51	5,64	1,59	6,16	1,64	
25,0	2,42	1,33	2,98	1,39	3,54	1,46	4,09	1,52	5,60	1,60	6,12	1,65	
27,0	2,35	1,34	2,91	1,41	3,47	1,47	4,02	1,54	5,52	1,61	5,74	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.
- On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5· m
Level difference: ·0· m
- The air flow rate and bypass factor are mentioned in the table.

3D120372

RZAG50A / FDXM50F9

50 Hz

220 - 240 V

AFR	15,8
BF	0,15

Cooling

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

50 Hz

220 - 240 V

AFR	15,8
-----	------

Heating

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

Symbols

AFR : Air flow rate [m³/min]

BF : Bypass factor

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

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

TC : Total capacity [kW]

SHC : Sensible heat capacity [kW]

PI : Power input [kW]

Notes

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

3D120379

4 Capacity tables

4 - 2 Cooling/Heating Capacity Tables

RZAG50A / FFA50A9

Cooling

50 Hz 220 - 240 V

AFR	12,7
BF	0,14

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

Heating

50 Hz 220 - 240 V

AFR	12,7
-----	------

Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	20	2,76	1,51	3,32	1,58	3,88	1,66	4,43	1,74	6,00	1,83	6,52	1,89
20,0	22	2,59	1,55	3,15	1,62	3,71	1,70	4,26	1,78	5,80	1,87	6,32	1,93
22,0	25	2,52	1,56	3,08	1,64	3,64	1,72	4,19	1,80	5,72	1,89	6,24	1,95
24,0	27	2,46	1,58	3,01	1,66	3,57	1,74	4,13	1,81	5,64	1,90	6,16	1,97
25,0	30	2,42	1,59	2,98	1,67	3,54	1,74	4,09	1,82	5,60	1,91	6,12	1,97
27,0	32	2,35	1,61	2,91	1,68	3,47	1,76	4,02	1,84	5,52	1,93	6,04	1,95

Symbols

AFR : Air flow rate [m³/min]

BF : Bypass factor

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

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

TC : Total capacity [kW]

SHC : Sensible heat capacity [kW]

PI : Power input [kW]

Notes

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

3D120376

RZAG50A / FHA50A9

Cooling

50 Hz 220 - 240 V

AFR	15,0
BF	0,17

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

Heating

50 Hz 220 - 240 V

AFR	15,0
-----	------

Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	20	2,76	1,26	3,32	1,32	3,88	1,39	4,43	1,45	6,00	1,53	6,52	1,58
20,0	22	2,59	1,29	3,15	1,36	3,71	1,42	4,26	1,49	5,80	1,56	6,32	1,61
22,0	25	2,52	1,31	3,08	1,37	3,64	1,44	4,19	1,50	5,72	1,58	6,24	1,63
24,0	27	2,46	1,32	3,01	1,39	3,57	1,45	4,13	1,51	5,64	1,59	6,16	1,64
25,0	30	2,42	1,33	2,98	1,39	3,54	1,46	4,09	1,52	5,60	1,60	6,12	1,65
27,0	32	2,35	1,34	2,91	1,41	3,47	1,47	4,02	1,54	5,52	1,61	6,04	1,66

Symbols

AFR : Air flow rate [m³/min]

BF : Bypass factor

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

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

TC : Total capacity [kW]

SHC : Sensible heat capacity [kW]

PI : Power input [kW]

Notes

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

3D120387

4 Capacity tables

4 - 2 Cooling/Heating Capacity Tables

RZAG50A / FNA50A9

Cooling

50 Hz 220 - 240 V

AFR	16,0
BF	0,12

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

Heating

50 Hz 220 - 240 V

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

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

Symbols

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

Notes

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

3D120390

RZAG60A / FFA60A9

Cooling

50 Hz 220 - 240 V

AFR	14,5
BF	0,1

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

Heating

50 Hz 220 - 240 V

AFR	14,5
-----	------

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

Symbols

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

Notes

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

3D120377

4 Capacity tables

4 - 2 Cooling/Heating Capacity Tables

RZAG60A/FBA60A9

Cooling

50 Hz

220 - 240 V

AFR	18,0
BF	0,15

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

Heating

50 Hz

220 - 240 V

AFR	18,0
-----	------

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

Symbols

AFR: Air flow rate [m³/min]

BF: Bypass factor

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

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

TC: Total capacity [kW]

SHC: Sensible heat capacity [kW]

PI: Power input [kW]

Notes

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

3D120370

RZAG60A/FCAG60A

Cooling

50 Hz

220 - 240 V

AFR	13,6
BF	0,19

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

Heating

50 Hz

220 - 240 V

AFR	13,6
-----	------

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

Symbols

AFR: Air flow rate [m³/min]

BF: Bypass factor

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

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

TC: Total capacity [kW]

SHC: Sensible heat capacity [kW]

PI: Power input [kW]

Notes

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

3D120373

4 Capacity tables

4 - 2 Cooling/Heating Capacity Tables

RZAG60A / FDXM60F9

Cooling 50 Hz 220 - 240 V

AFR	16,0
BF	0,12

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

Heating 50 Hz 220 - 240 V

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

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

Symbols

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

Notes

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

3D120381

RZAG60A / FHA60A9

Cooling 50 Hz 220 - 240 V

AFR	19,5
BF	0,2

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

Heating 50 Hz 220 - 240 V

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

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

Symbols

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

Notes

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

3D120388

4 Capacity tables

4 - 2 Cooling/Heating Capacity Tables

RZAG60A / FNA60A9

Cooling 50 Hz 220 - 240 V

AFR	16,0
BF	0,12

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

Heating 50 Hz 220 - 240 V

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

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

Symbols

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

Notes

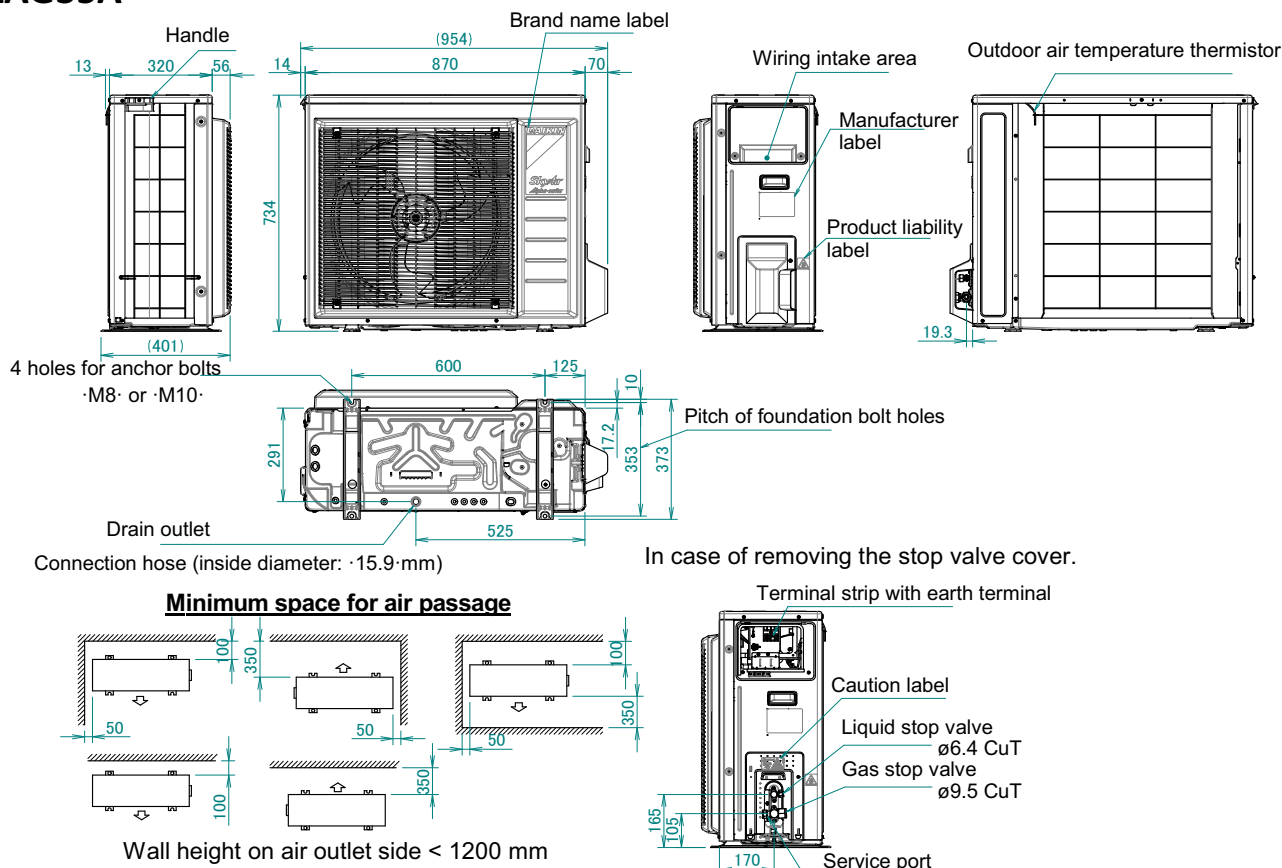
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures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

3D120391

5 Dimensional drawings

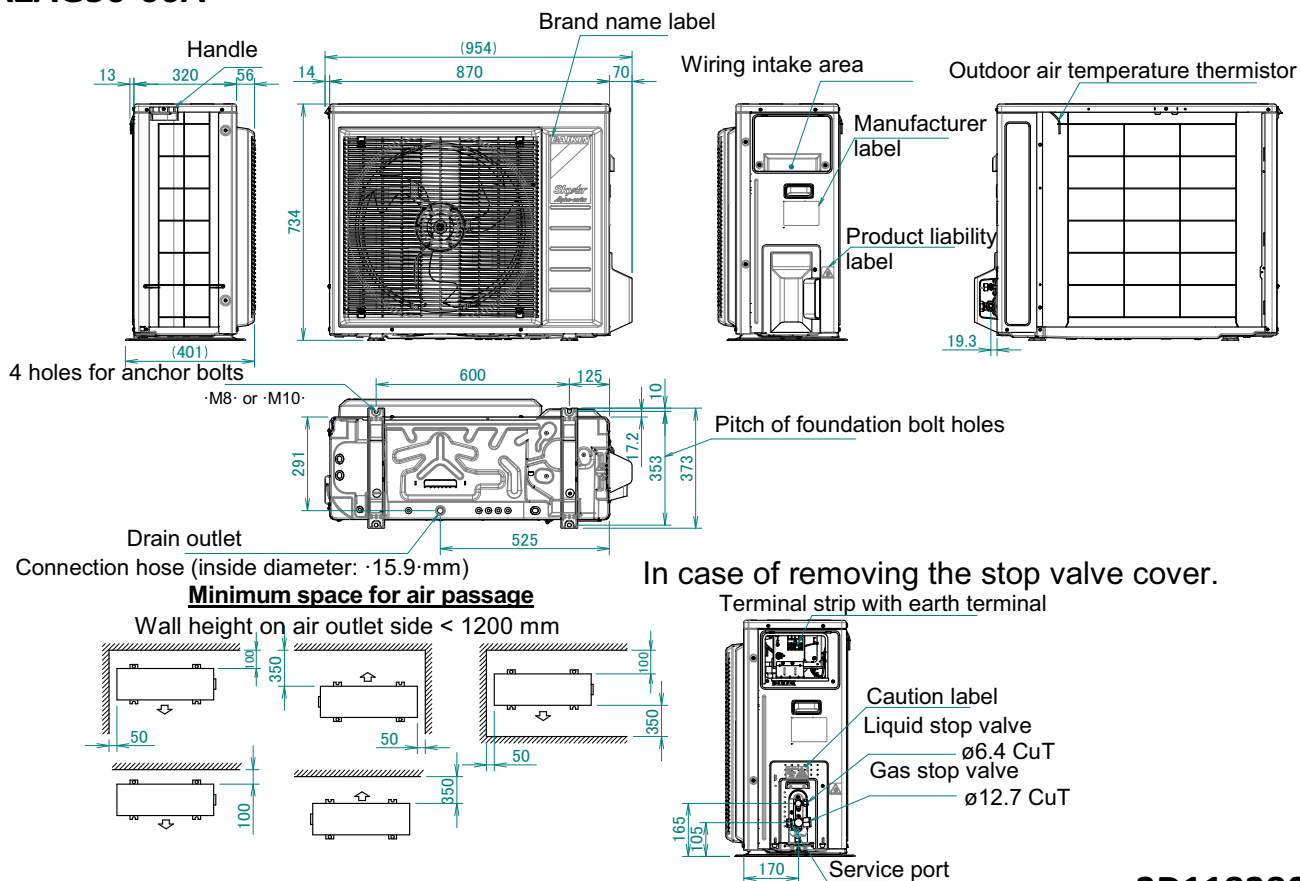
5 - 1 Dimensional Drawings

RZAG35A



3D118381A

RZAG50-60A

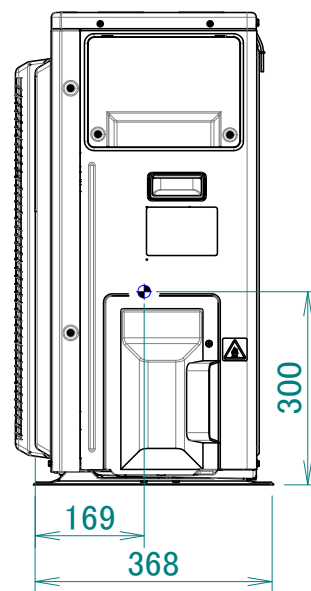
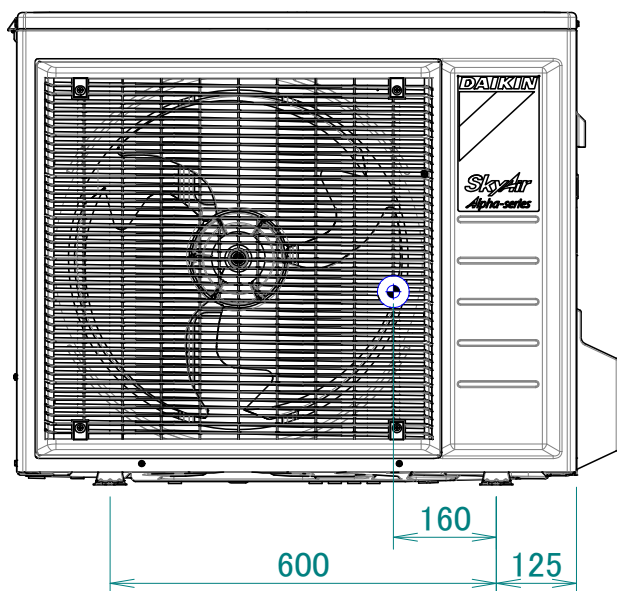


3D118380A

6 Centre of gravity

6 - 1 Centre of Gravity

RZAG35-60A

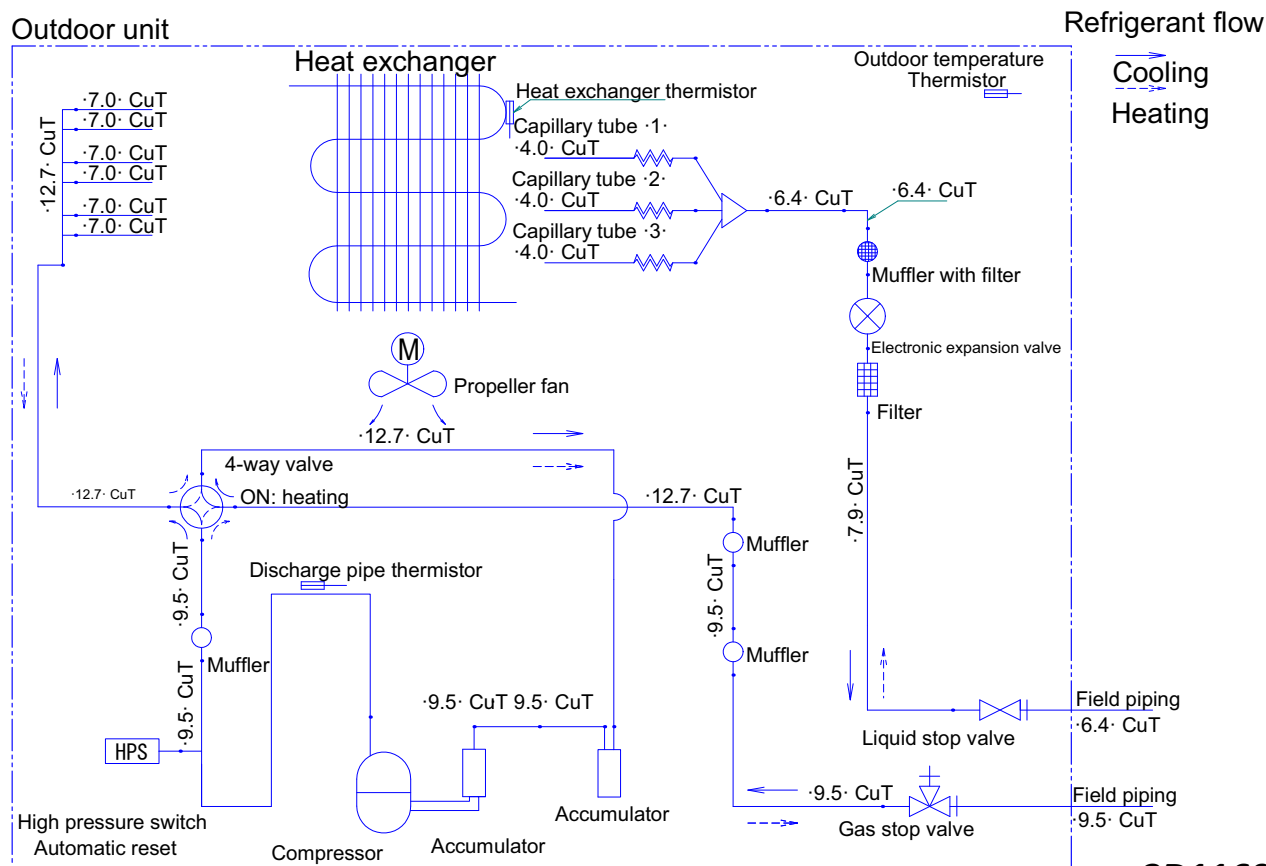


4D118389

7 Piping diagrams

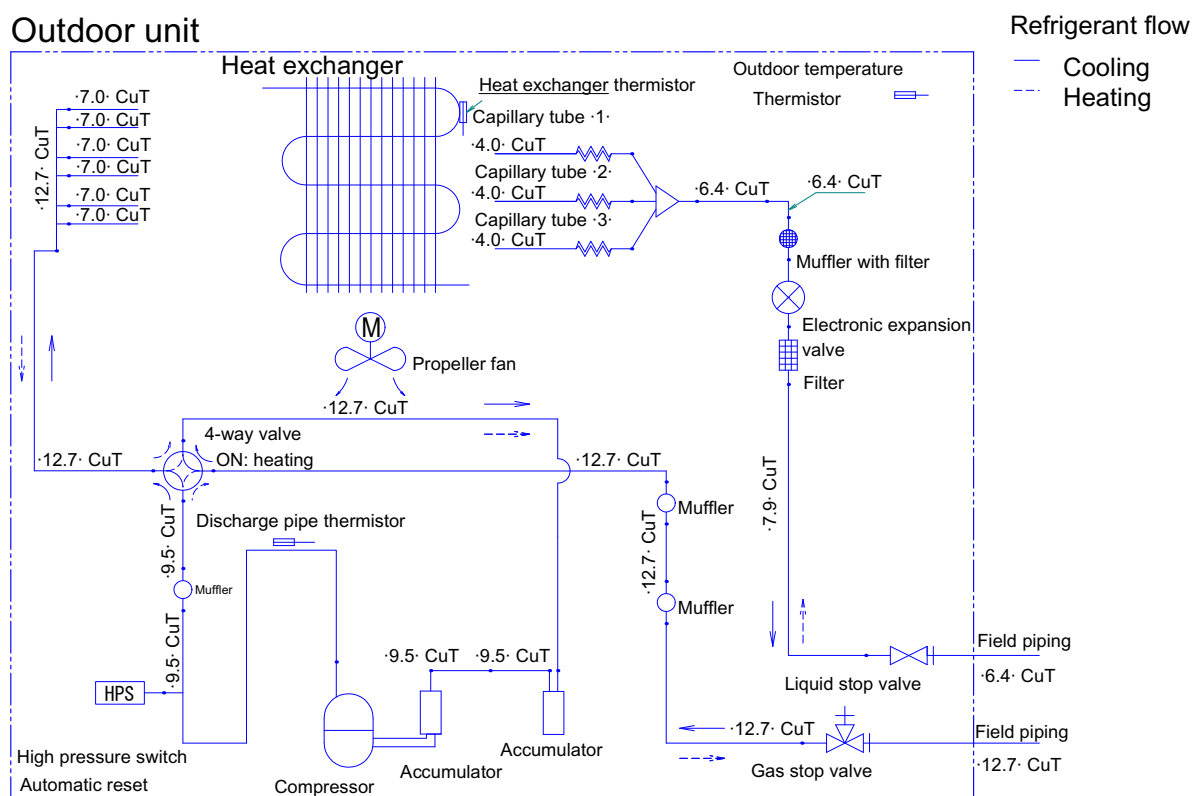
7 - 1 Piping Diagrams

RZAG35A



3D116991A

RZAG50-60A

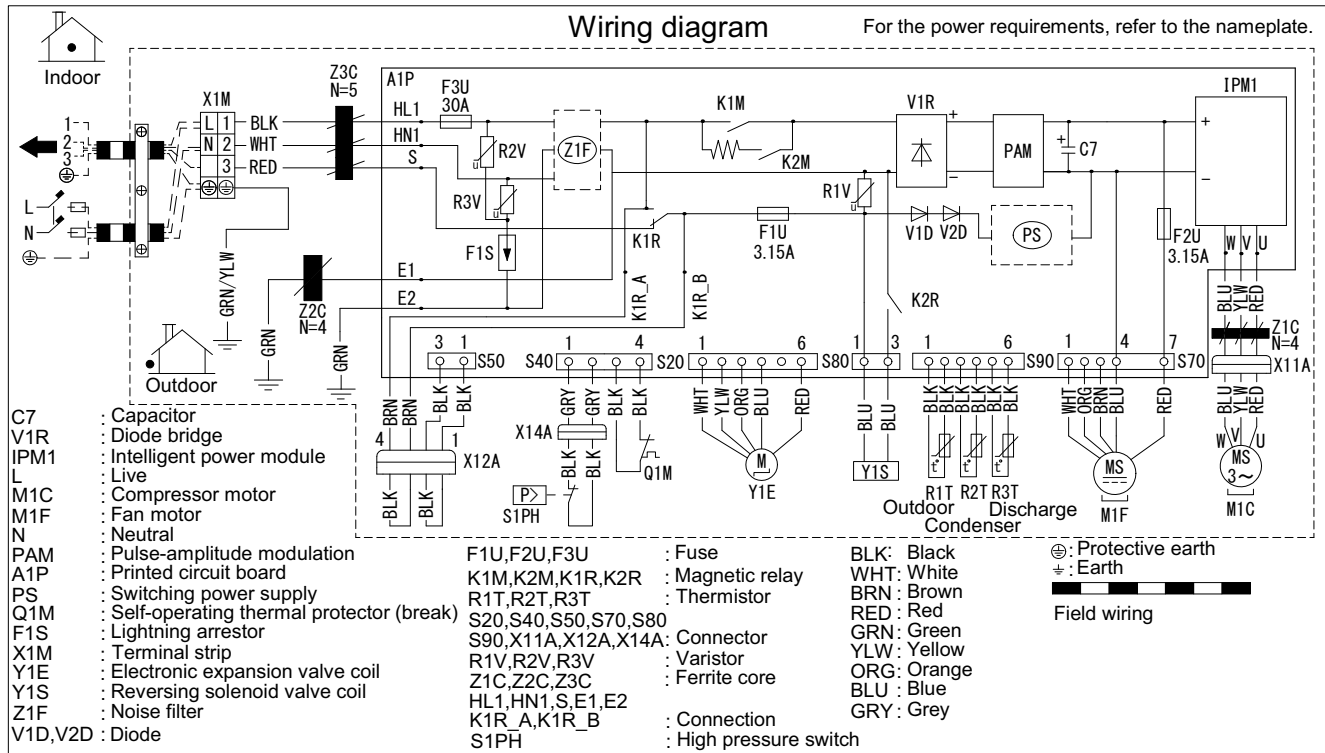


3D116990A

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RZAG35-60A



NOTES:

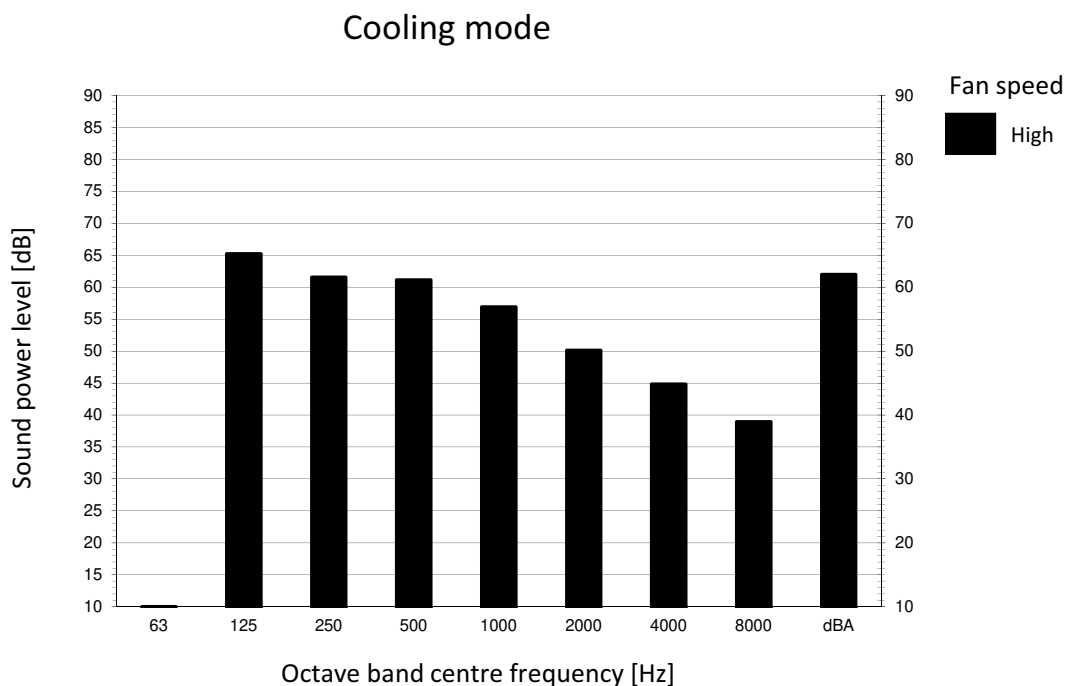
1. Size: length 105 x width 185.
2. Refer to purchasing specification AS303002 unless otherwise specified.

3D117016

9 Sound data

9 - 1 Sound Power Spectrum

RZAG35A

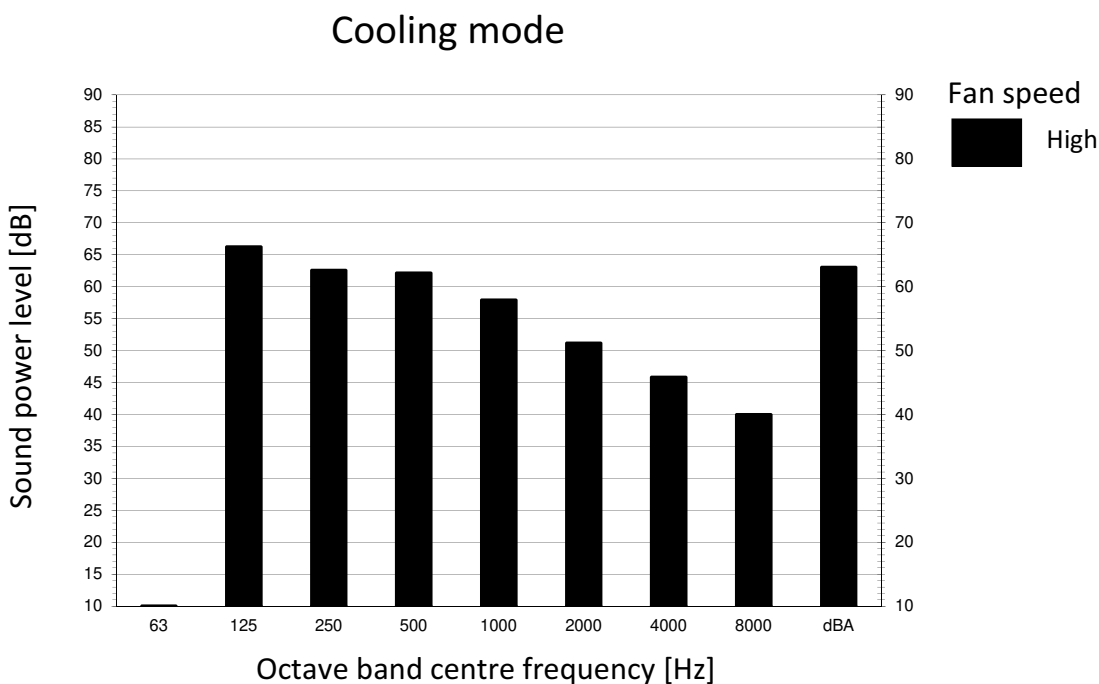


Notes

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

3D120220

RZAG50A



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

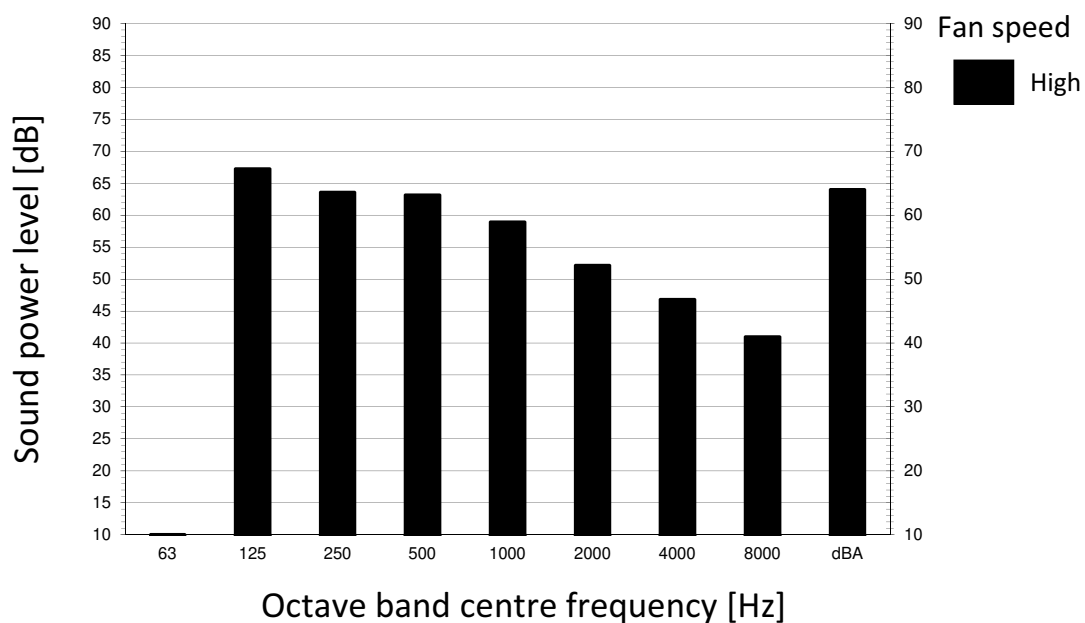
3D120219

9 Sound data

9 - 1 Sound Power Spectrum

RZAG60A

Cooling mode



Notes

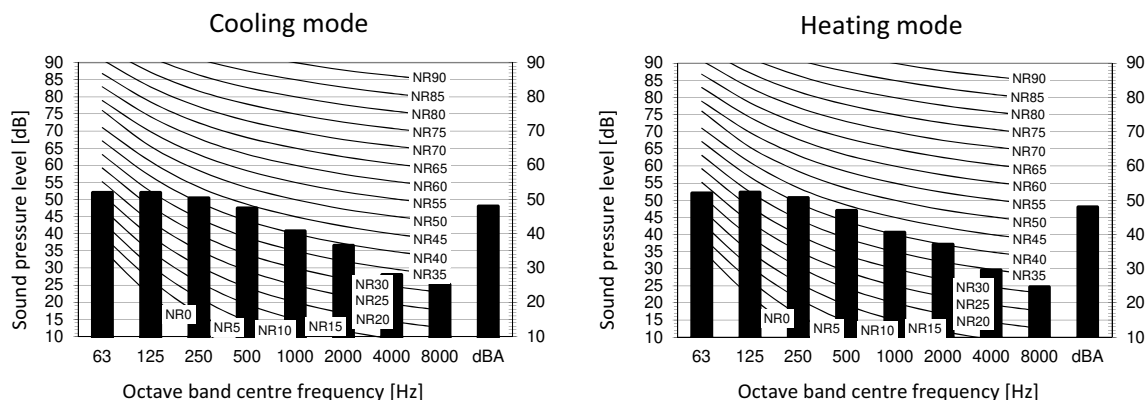
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic pressure 0 dB = 20 μ Pa
3. Measured according to ISO 3744

3D120196

9 Sound data

9 - 2 Sound Pressure Spectrum

RZAG35A



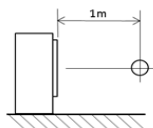
Legend

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

A Scale

B Fan speed: High

Location of microphone



Cooling	Total dB	
	A	B
	dBA	48,0

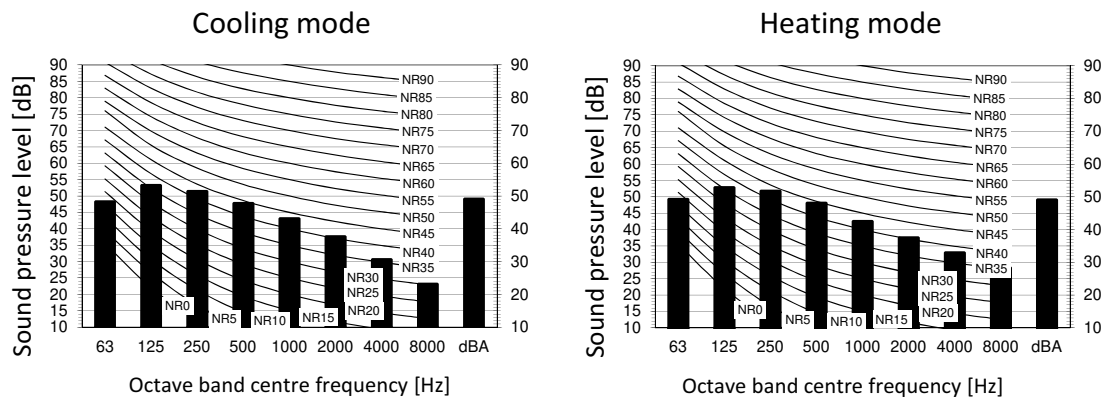
Heating	Total dB	
	A	B
	dBA	48,0

Notes

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

3D120183

RZAG50A



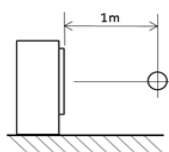
Legend

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

A Scale

B Fan speed: High

Location of microphone



Cooling	Total dB	
	A	B
	dBA	49,0

Heating	Total dB	
	A	B
	dBA	49,0

Notes

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

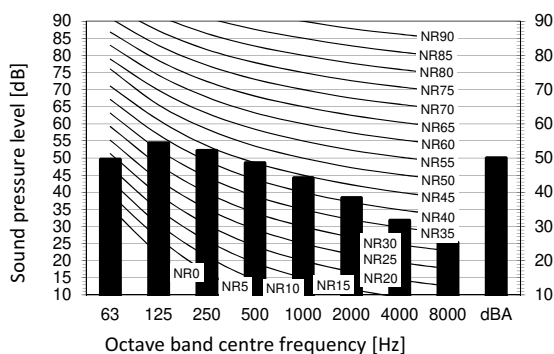
3D120184

9 Sound data

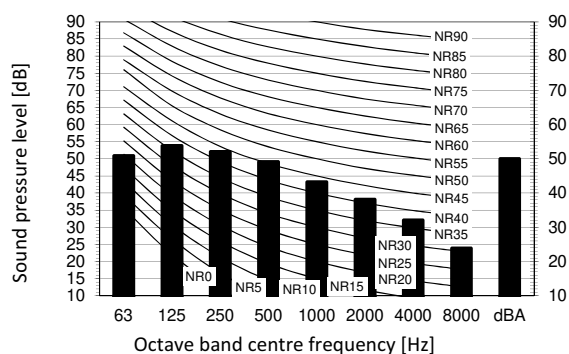
9 - 2 Sound Pressure Spectrum

RZAG60A

Cooling mode



Heating mode



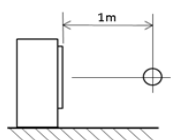
Legend

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

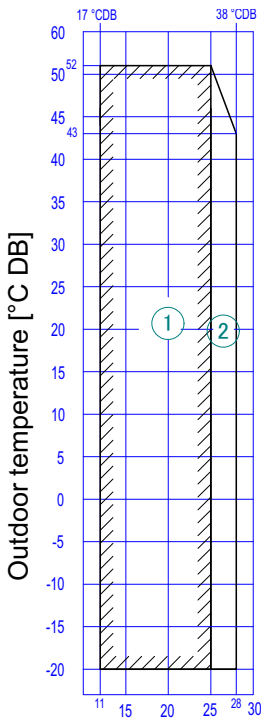
Notes

- 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

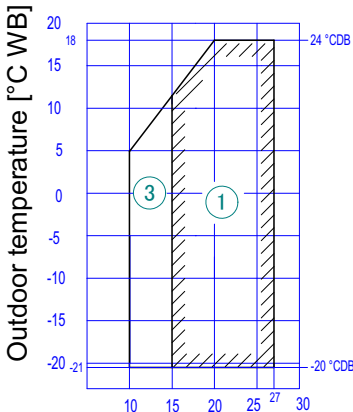
10 **Operation range**
10 - 1 Operation Range

RZAG35-60A Cooling



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

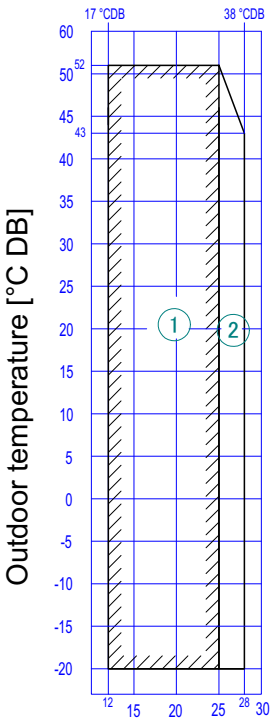
Heating



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

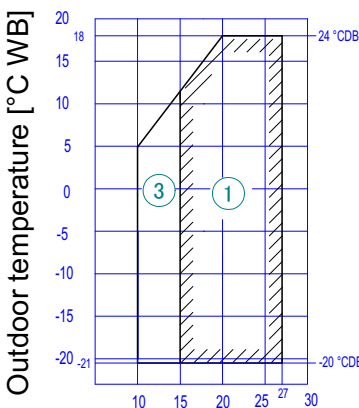
3D120009

RZAG35-60A Cooling



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

Heating



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

3D120010



Daikin Europe N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende



EEDEN19

03/19



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V.. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.