

Air Conditioning  
Technical Data

**RZAG-A**





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## RZAG-A

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# 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/ RZAG50A	FCAG60A/ RZAG60A	FCAG50A/ RZAG35A	FCAG60A/ RZAG50A	FCAG71A/ RZAG60A	
Indoor unit				FCAG35AVEB	FCAG50AVEB	FCAG60AVEB	FCAG50AVEB	FCAG60AVEB	FCAG71AVEB	
Outdoor unit				RZAG35A2V1 B	RZAG50A2V1 B	RZAG60A2V1 B	RZAG35A2V1 B	RZAG50A2V1 B	RZAG60A2V1 B	
Cooling capacity	Min.	kW	1.6	1.7		1.6	1.7			
		Btu/h	5,500.0	5,800.0		5,500.0	5,800.0			
		kcal/h	1,376.0	1,462.0		1,376.0	1,462.0			
	Nom.	kW	3.5	5.0	6.0	3.5	5.0	6.0		
		Btu/h	11,900.0	17,100.0	20,500.0	11,900.0	17,100.0	20,500.0		
		kcal/h	3,009.0	4,299.0	5,159.0	3,009.0	4,299.0	5,159.0		
	Max.	kW	4.5	6.0	6.5	4.5	6.0	6.5		
		Btu/h	15,400.0	20,500.0	22,200.0	15,400.0	20,500.0	22,200.0		
		kcal/h	3,869.0	5,159.0	5,589.0	3,869.0	5,159.0	5,589.0		
Heating capacity	Min.	kW	1.40	1.50	1.60	1.40	1.50	1.60		
		Btu/h	4,800.0	5,100.0	5,500.0	4,800.0	5,100.0	5,500.0		
		kcal/h	1,200.0	1,290.0	1,380.0	1,200.0	1,300.0	1,400.0		
	Nom.	kW	4.00	5.80	7.00	4.00	5.80	7.00		
		Btu/h	13,700.0	19,800.0	23,900.0	13,600.0	19,800.0	23,900.0		
		kcal/h	3,439.0	4,987.0	6,019.0	3,439.0	4,987.0	6,019.0		
	Max.	kW	5.00	6.00	7.50	5.00	6.00	7.50		
		Btu/h	17,000.0	20,500.0	25,600.0	17,100.0	20,500.0	25,600.0		
		kcal/h	4,299.0	5,159.0	6,449.0	4,299.0	5,159.0	6,449.0		
Power input	Cooling	Nom.	kW	0.80	1.28	1.76	0.77	1.26	1.58	
	Heating	Nom.	kW	0.93	1.56	2.06	0.91	1.55	1.98	
Space cooling	Energy efficiency class			A++						
	Capacity	Pdesign	kW	3.50	5.00	6.00	3.50	5.00	6.00	
	SEER			7.30	6.80	6.60	7.40	6.93	6.82	
	Annual energy consumption			kWh/a	168	257	318	166	252	308
	A Condition (35°C - 27/19)	Pdc	kW	3.50	5.00	6.00	3.50	5.00	6.00	
		EERd		4.40	3.90	3.40	4.57	3.98	3.79	
		Power input		kW	0.80	1.28	1.76	0.77	1.26	1.58
	B Condition (30°C - 27/19)	Pdc	kW	2.58	3.68	4.42	2.58	3.68	4.42	
		EERd		7.04	5.82	5.74	6.92	5.95	5.92	
		Power input		kW	0.37	0.63	0.77	0.37	0.62	0.75
	C Condition (25°C - 27/19)	Pdc	kW	1.50	2.37	2.84	1.87	2.37	2.84	
		EERd		9.98	8.41	7.65	10.74	8.54	7.89	
		Power input		kW	0.15	0.28	0.37	0.17	0.28	0.36
	D Condition (20°C - 27/19)	Pdc	kW	1.59	1.85	1.88	1.85	1.88	1.92	
		EERd		13.20	12.89	12.82	13.42	13.30	12.98	
Power input		kW	0.12	0.14	0.15	0.14		0.15		

## 2 Specifications

2-1 Capacity and Power input					FCAG35A/ RZAG35A	FCAG50A/ RZAG50A	FCAG60A/ RZAG60A	FCAG50A/ RZAG35A	FCAG60A/ RZAG50A	FCAG71A/ RZAG60A	
Space heating (Average climate)	Energy efficiency class				A+						
	Capacity	Pdesign	kW		3.30	4.30	4.60	3.30	4.30	4.60	
	SCOP/A				4.30		4.25	4.41	4.35	4.39	
	SCOPnet/A				4.34		4.29	4.45	4.39	4.43	
	Pdh Heating capacity at -10°		kW		2.91	3.68	3.96	2.91	3.73	4.00	
	Annual energy consumption		kWh/a		1,074	1,398	1,515	1,048	1,384	1,467	
	Required back up heating cap at design conditions		kW		0.39	0.62	0.64	0.39	0.57	0.60	
	TOL	Tol (temperature operating limit)		°C		-20					
		Pdh (declared heating cap)		kW		2.87	3.30	3.59	2.90	3.47	3.77
		COPd (declared COP)				2.24	2.15	2.11	2.28	2.16	2.19
		Power input		kW		1.28	1.53	1.70	1.27	1.61	1.72
	TBivalent	Tbiv (bivalent temperature)		°C		-7					
		Pdh (declared heating cap)		kW		2.92	3.80	4.07	2.92	3.81	4.07
		COPd (declared COP)				2.71	2.65	2.59	2.79	2.68	2.69
		Power input		kW		1.08	1.43	1.57	1.05	1.42	1.51
	A Condition (-7°C)	Pdh (declared heating cap)		kW		2.92	3.80	4.07	2.92	3.81	4.07
		COPd (declared COP)				2.71	2.65	2.59	2.79	2.68	2.69
		Power input		kW		1.08	1.43	1.57	1.05	1.42	1.51
	B Condition (2°C)	Pdh (declared heating cap)		kW		1.78	2.32	2.48	1.78	2.32	2.48
		COPd (declared COP)				4.14	4.08	4.02	4.27	4.13	4.17
		Power input		kW		0.43	0.57	0.62	0.42	0.56	0.59
	C Condition (7°C)	Pdh (declared heating cap)		kW		1.42	1.51	1.59	1.51	1.52	1.59
		COPd (declared COP)				6.18	6.16	6.12	6.33	6.19	6.25
		Power input		kW		0.23	0.25	0.26	0.24	0.25	
	D Condition (12°C)	Pdh (declared heating cap)		kW		1.57	1.60	1.61	1.60	1.61	1.63
		COPd (declared COP)				7.83	7.88		8.02	7.97	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	62	63	64	
	Sound power level indoor	Cooling	Nom.	dBA	49		51	49	51		
	Piping length	Cooling	Measuring condition	m	5.0						
Nominal efficiency	EER				4.40	3.90	3.40	4.57	3.98	3.79	
	COP				4.30	3.71	3.40	4.41	3.75	3.53	
	Annual energy consumption		kWh		398	641	882	383	628	792	
	Energy labeling Directive	Cooling				A					
Heating				A		C	A		B		

## 2 Specifications

2-1 Capacity and Power input					FCAG35A/ RZAG35A	FCAG50A/ RZAG50A	FCAG60A/ RZAG60A	FCAG50A/ RZAG35A	FCAG60A/ RZAG50A	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/RZAG50A	FFA60A9/RZAG60A	FFA50A9/RZAG35A	FFA60A9/RZAG50A	
Indoor unit				FFA35A2VEB9	FFA50A2VEB9	FFA60A2VEB9	FFA50A2VEB9	FFA60A2VEB9	
Outdoor unit				RZAG35A2V1B	RZAG50A2V1B	RZAG60A2V1B	RZAG35A2V1B	RZAG50A2V1B	
Cooling capacity	Min.			kW	1.6	1.7		1.6	1.7
				Btu/h	5,500.0	5,800.0		5,500.0	5,800.0
				kcal/h	1,376.0	1,462.0		1,376.0	1,462.0
	Nom.			kW	3.5	5.0	6.0	3.5	5.0
				Btu/h	11,900.0	17,100.0	20,500.0	11,900.0	17,100.0
				kcal/h	3,009.0	4,299.0	5,159.0	3,009.0	4,299.0
	Max.			kW	4.5	6.0	6.5	4.5	6.0
				Btu/h	15,400.0	20,500.0	22,200.0	15,400.0	20,500.0
				kcal/h	3,869.0	5,159.0	5,589.0	3,869.0	5,159.0
Heating capacity	Min.			kW	1.40	1.50	1.60	1.40	1.50
				Btu/h	4,780.0	5,100.0	5,500.0	4,800.0	5,100.0
				kcal/h	1,200.0	1,290.0	1,380.0	1,200.0	1,300.0
	Nom.			kW	4.00	5.80	7.00	4.00	5.80
				Btu/h	13,700.0	19,800.0	23,900.0	13,600.0	19,800.0
				kcal/h	3,439.0	4,987.0	6,019.0	3,439.0	4,987.0
	Max.			kW	5.00	6.00	7.50	5.00	6.00
				Btu/h	17,000.0	20,500.0	25,590.0	17,100.0	20,500.0
				kcal/h	4,299.0	5,159.0	6,449.0	4,299.0	5,159.0
Power input	Cooling	Nom.	kW	0.88	1.47	1.86	0.82	1.38	
	Heating	Nom.	kW	1.08	1.87	2.41	1.02	1.84	
Space cooling	Energy efficiency class			A++		A+		A++	
	Capacity	Pdesign	kW	3.50	5.00	6.00	3.50	5.00	
	SEER			6.40	6.30	5.80	6.81	6.43	
	Annual energy consumption			kWh/a	191	278	362	180	272
	A Condition (35°C - 27/19)	Pdc	kW		3.50	5.00	6.00	3.50	5.00
			EERd		4.00	3.40	3.23	4.25	3.62
			Power input		kW	0.88	1.47	1.86	0.82
	B Condition (30°C - 27/19)	Pdc	kW		2.58	3.68	4.42	2.58	3.68
			EERd		6.13	5.68	4.83	6.68	5.88
			Power input		kW	0.42	0.65	0.92	0.39
	C Condition (25°C - 27/19)	Pdc	kW		1.66	2.37	2.84	1.83	2.37
			EERd		8.45	7.94	7.08	9.15	8.01
			Power input		kW	0.20	0.30	0.40	0.20
	D Condition (20°C - 27/19)	Pdc	kW		1.78	1.81	1.82	1.89	1.90
			EERd		11.12	10.61	9.80	12.27	10.78
			Power input		kW	0.16	0.17	0.19	0.15

## 2 Specifications

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2-2 Capacity and Power input					FFA35A9/RZAG35A	FFA50A9/RZAG50A	FFA60A9/RZAG60A	FFA50A9/RZAG35A	FFA60A9/RZAG50A					
Space heating (Average climate)	Energy efficiency class				A					A+				
	Capacity	Pdesign	kW		4.20	4.30	4.50	4.20	4.30					
	SCOP/A				3.80	4.01	4.04		4.08					
	SCOPnet/A				3.84	4.04	4.08		4.12					
	Pdh Heating capacity at -10°		kW		3.50	3.66	3.87	3.53	3.68					
	Annual energy consumption		kWh/a		1,546	1,501	1,558	1,455	1,474					
	Required back up heating cap at design conditions		kW		0.70	0.64	0.63	0.67	0.62					
	TOL	Tol (temperature operating limit)		°C		-20								
		Pdh (declared heating cap)		kW		2.79	3.21	3.49	2.90	3.27				
		COPd (declared COP)				2.20	2.12	2.08	2.14	2.08				
		Power input		kW		1.27	1.51	1.68	1.36	1.57				
	TBivalent	Tbiv (bivalent temperature)		°C		-7								
		Pdh (declared heating cap)		kW		3.72	3.80	3.98	3.71	3.80				
		COPd (declared COP)				2.64	2.83	2.91	2.81	2.88				
		Power input		kW		1.41	1.34	1.37	1.32					
	A Condition (-7°C)	Pdh (declared heating cap)		kW		3.72	3.80	3.98	3.71	3.80				
		COPd (declared COP)				2.64	2.83	2.91	2.81	2.88				
		Power input		kW		1.41	1.34	1.37	1.32					
	B Condition (2°C)	Pdh (declared heating cap)		kW		2.26	2.32	2.42	2.26	2.32				
		COPd (declared COP)				3.49	3.85	3.95	3.79	3.92				
		Power input		kW		0.65	0.60	0.61	0.60	0.59				
	C Condition (7°C)	Pdh (declared heating cap)		kW		1.52	1.55	1.59	1.56	1.55				
		COPd (declared COP)				5.39	5.26	5.09	5.59	5.36				
		Power input		kW		0.28	0.29	0.31	0.28	0.29				
	D Condition (12°C)	Pdh (declared heating cap)		kW		1.54		1.58	1.77	1.54				
		COPd (declared COP)				6.36	6.08	5.89	6.45	6.19				
		Power input		kW		0.24	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	62	63					
	Sound power level indoor	Cooling	Nom.	dB(A)	51	56	60	56	60					
	Piping length	Cooling	Measuring condition	m	5.0									
Nominal efficiency	EER				4.00	3.40	3.23	4.25	3.62					
	COP				3.71	3.10	2.90	3.94	3.15					
	Annual energy consumption		kWh		438	735	929	412	691					
	Energy labeling Directive	Cooling				A								
Heating				A	D		A	D						



## 2 Specifications

2-2 Capacity and Power input				FFA35A9/RZAG35A	FFA50A9/RZAG50A	FFA60A9/RZAG60A	FFA50A9/RZAG35A	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			

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2-3 Capacity and Power input				FDXM35F9/ RZAG35A	FDXM50F9/ RZAG50A	FDXM60F9/ RZAG60A	FDXM50F9/ RZAG35A	FDXM60F9/ RZAG50A	
Indoor unit				FDXM35F3V1B9	FDXM50F3V1B9	FDXM60F3V1B9	FDXM50F3V1B9	FDXM60F3V1B9	
Outdoor unit				RZAG35A2V1B	RZAG50A2V1B	RZAG60A2V1B	RZAG35A2V1B	RZAG50A2V1B	
Cooling capacity	Min.		kW	1.6	1.7		1.6	1.7	
			Btu/h	5,500.0	5,800.0		5,500.0	5,800.0	
			kcal/h	1,376.0	1,462.0		1,376.0	1,462.0	
	Nom.		kW	3.5	5.0	6.0	3.5	5.0	
			Btu/h	11,900.0	17,100.0	20,500.0	11,900.0	17,100.0	
			kcal/h	3,009.0	4,299.0	5,159.0	3,009.0	4,299.0	
	Max.		kW	4.5	6.0	6.5	4.5	6.0	
			Btu/h	15,400.0	20,500.0	22,200.0	15,400.0	20,500.0	
			kcal/h	3,869.0	5,159.0	5,589.0	3,869.0	5,159.0	
Heating capacity	Min.		kW	1.40	1.70		1.40	1.70	
			Btu/h	4,780.0	5,800.0		4,800.0	5,800.0	
			kcal/h	1,200.0	1,460.0		1,200.0	1,500.0	
	Nom.		kW	4.00	5.00	7.00	4.00	5.00	
			Btu/h	13,700.0	17,100.0	23,900.0	13,600.0	17,100.0	
			kcal/h	3,439.0	4,299.0	6,019.0	3,439.0	4,299.0	
	Max.		kW	5.00	6.00	7.50	5.00	6.00	
			Btu/h	17,000.0	20,500.0	25,590.0	17,100.0	20,500.0	
			kcal/h	4,299.0	5,159.0	6,449.0	4,299.0	5,159.0	
Power input	Cooling	Nom.	kW	0.90	1.32	1.76	0.86	1.26	
	Heating	Nom.	kW	1.14	1.47	2.12	1.10	1.45	
Space cooling	Energy efficiency class			A+					
	Capacity	Pdesign	kW	3.50	5.00	6.00	3.50	5.00	
	SEER			5.90					
	Annual energy consumption			kWh/a	208	296	368	201	293
	A Condition (35°C - 27/19)	Pdc	kW	3.50	5.00	6.00	3.50	5.00	
			EERd	3.90	3.80	3.40	4.05	3.98	
			Power input	kW	0.90	1.32	1.76	0.86	1.26
	B Condition (30°C - 27/19)	Pdc	kW	2.58	3.68	4.42	2.58	3.68	
			EERd	5.52	5.11	4.68	5.78	5.20	
			Power input	kW	0.47	0.72	0.94	0.45	0.71
	C Condition (25°C - 27/19)	Pdc	kW	2.00	2.37	2.84	2.06	2.37	
			EERd	8.17	7.58	7.28	8.47	7.65	
			Power input	kW	0.24	0.31	0.39	0.24	0.31
	D Condition (20°C - 27/19)	Pdc	kW	2.02	2.09				
			EERd	9.76	9.11	8.85	10.09	9.15	
Power input			kW	0.21	0.23	0.24	0.21	0.23	

## 2 Specifications

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2-3 Capacity and Power input					FDXM35F9/ RZAG35A	FDXM50F9/ RZAG50A	FDXM60F9/ RZAG60A	FDXM50F9/ RZAG35A	FDXM60F9/ RZAG50A	
Space heating (Average climate)	Energy efficiency class				A			A+	A	
	Capacity	Pdesign	kW		3.50	4.30	4.50	4.20	4.30	
	SCOP/A				3.90			4.05	3.94	
	SCOPnet/A				3.94	3.93		4.09	3.98	
	Pdh Heating capacity at -10°		kW		2.99	3.62	3.82	3.49	3.63	
	Annual energy consumption		kWh/a		1,255	1,544	1,616	1,451	1,526	
	Required back up heating cap at design conditions		kW		0.51	0.68		0.71	0.67	
	TOL	Tol (temperature operating limit)		°C		-20				
		Pdh (declared heating cap)		kW		2.64	3.01	3.30	2.72	3.08
		COPd (declared COP)				2.05	1.98	1.94	1.99	1.96
		Power input		kW		1.29	1.52	1.70	1.37	1.57
	TBivalent	Tbiv (bivalent temperature)		°C		-7				
		Pdh (declared heating cap)		kW		3.10	3.80	3.98	3.72	3.80
		COPd (declared COP)				2.51	2.32	2.31	2.58	2.34
		Power input		kW		1.24	1.66	1.72	1.44	1.62
	A Condition (-7°C)	Pdh (declared heating cap)		kW		3.10	3.80	3.98	3.72	3.80
		COPd (declared COP)				2.51	2.32	2.31	2.58	2.34
		Power input		kW		1.24	1.66	1.72	1.44	1.62
	B Condition (2°C)	Pdh (declared heating cap)		kW		1.89	2.32	2.42	2.26	2.32
		COPd (declared COP)				3.76	3.99	4.01	3.86	4.04
		Power input		kW		0.50	0.58	0.60	0.59	0.57
	C Condition (7°C)	Pdh (declared heating cap)		kW		1.45	1.61		1.51	1.61
		COPd (declared COP)				5.53	4.95	4.90	5.69	5.02
		Power input		kW		0.26	0.33		0.27	0.32
	D Condition (12°C)	Pdh (declared heating cap)		kW		1.54	1.59		1.60	1.80
		COPd (declared COP)				6.76	6.59	6.52	6.96	6.68
		Power input		kW		0.23	0.24		0.230	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	62	63	
	Sound power level indoor	Cooling	Nom.	dBA	53	55	56	55	56	
	Piping length	Cooling	Measuring condition	m	5.0					
Nominal efficiency	EER				3.90	3.80	3.40	4.05	3.98	
	COP				3.50	3.40	3.30	3.63	3.44	
	Annual energy consumption		kWh		449	658	882	432	628	
	Energy labeling Directive	Cooling				A				
Heating				B	C		A	B		

## 2 Specifications

2-3 Capacity and Power input					FDXM35F9/ RZAG35A	FDXM50F9/ RZAG50A	FDXM60F9/ RZAG60A	FDXM50F9/ RZAG35A	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/ RZAG50A	FBA60A9/ RZAG60A	FBA50A9/ RZAG35A	FBA60A9/ RZAG50A	FBA71A9/ RZAG60A	
Indoor unit				FBA35A2VEB 9	FBA50A2VEB 9	FBA60A2VEB 9	FBA50A2VEB 9	FBA60A2VEB 9	FBA71A2VEB 9	
Outdoor unit				RZAG35A2V1 B	RZAG50A2V1 B	RZAG60A2V1 B	RZAG35A2V1 B	RZAG50A2V1 B	RZAG60A2V1 B	
Cooling capacity	Min.	kW		1.6	1.7		1.6	1.7		
		Btu/h		5,500.0	5,800.0		5,500.0	5,800.0		
		kcal/h		1,376.0	1,462.0		1,376.0	1,462.0		
	Nom.	kW		3.5	5.0	6.0	3.5	5.0	6.00	
		Btu/h		11,900.0	17,100.0	20,500.0	11,900.0	17,100.0	20,500	
		kcal/h		3,009.0	4,299.0	5,159.0	3,009.0	4,299.0	5,159.0	
	Max.	kW		5.0	6.0	7.0	5.0	6.0	7.0	
		Btu/h		17,000.0	20,500.0	23,900.0	17,100.0	20,500.0	23,900.0	
		kcal/h		4,299.0	5,159.0	6,019.0	4,299.0	5,159.0	6,019.0	
Heating capacity	Min.	kW		1.40	1.70		1.40	1.70		
		Btu/h		4,780.0	5,800.0		4,800.0	5,800.0		
		kcal/h		1,200.0	1,460.0		1,200.0	1,500.0		
	Nom.	kW		4.00	6.00	7.00	4.00	6.00	7.00	
		Btu/h		13,700.0	20,500.0	23,900.0	13,600.0	20,500.0	23,900.0	
		kcal/h		3,439.0	5,159.0	6,019.0	3,439.0	5,159.0	6,019.0	
	Max.	kW		5.00	6.00	7.50	5.00	6.00	7.50	
		Btu/h		17,000.0	20,500.0	25,590.0	17,100.0	20,500.0	25,600.0	
		kcal/h		4,299.0	5,159.0	6,449.0	4,299.0	5,159.0	6,449.0	
Power input	Cooling	Nom.	kW	0.78	1.25	1.48	0.76	1.22	1.39	
	Heating	Nom.	kW	0.91	1.58	2.06	0.90	1.51	1.81	
Space cooling	Energy efficiency class			A++						
	Capacity	Pdesign	kW	3.50	5.00	6.00	3.50	5.00	6.00	
	SEER			6.12	6.30	6.15	6.17	6.63	6.25	
	Annual energy consumption			kWh/a	200	278	341	199	264	336
	A Condition (35°C - 27/19)	Pdc	kW	3.50	5.00	6.00	3.50	5.00	6.00	
		EERd		4.50	4.00	4.05	4.62	4.11	4.31	
		Power input		kW	0.78	1.25	1.48	0.76	1.22	1.39
	B Condition (30°C - 27/19)	Pdc	kW	2.58	3.68	4.42	2.58	3.68	4.42	
		EERd		6.10	5.55	5.20	6.38	5.86	5.22	
		Power input		kW	0.42	0.66	0.85	0.40	0.63	0.85
	C Condition (25°C - 27/19)	Pdc	kW	1.99	2.37	2.85	1.87	2.37	2.84	
		EERd		8.14	8.12	7.65	8.00	8.65	7.76	
		Power input		kW	0.24	0.29	0.37	0.23	0.27	0.37
	D Condition (20°C - 27/19)	Pdc	kW	1.92		1.93	1.85	1.88	1.92	
		EERd		9.76	9.70	9.25	9.52	10.29	9.41	
Power input		kW	0.20		0.21	0.19	0.18	0.20		

## 2 Specifications

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2-4 Capacity and Power input					FBA35A9/ RZAG35A	FBA50A9/ RZAG50A	FBA60A9/ RZAG60A	FBA50A9/ RZAG35A	FBA60A9/ RZAG50A	FBA71A9/ RZAG60A	
Space heating (Average climate)	Energy efficiency class				A+						
	Capacity	Pdesign	kW		4.20	4.30	4.50	4.20	4.30	4.50	
	SCOP/A				4.10			4.14	4.28	4.18	
	SCOPnet/A				4.14	4.13		4.18	4.32	4.21	
	Pdh Heating capacity at -10°		kW		3.49	3.65	3.85	3.51	3.75	3.86	
	Annual energy consumption		kWh/a		1,434	1,469	1,537	1,420	1,406	1,508	
	Required back up heating cap at design conditions		kW		0.71	0.65		0.69	0.55	0.64	
	TOL	Tol (temperature operating limit)		°C		-20					
		Pdh (declared heating cap)		kW		2.74	3.15	3.42	2.84	3.59	3.48
		COPd (declared COP)				2.14	2.06	2.02	2.21	2.26	2.24
		Power input		kW		1.28	1.53	1.69	1.29	1.59	1.55
	TBivalent	Tbiv (bivalent temperature)		°C		-7					
		Pdh (declared heating cap)		kW		3.73	3.80	3.98	3.71	3.80	3.98
		COPd (declared COP)				3.04	3.03	3.01	3.14	3.20	3.14
		Power input		kW		1.23	1.25	1.32	1.18	1.19	1.27
	A Condition (-7°C)	Pdh (declared heating cap)		kW		3.73	3.80	3.98	3.71	3.80	3.98
		COPd (declared COP)				3.04	3.03	3.01	3.11	3.20	3.14
		Power input		kW		1.23	1.25	1.32	1.19		1.27
	B Condition (2°C)	Pdh (declared heating cap)		kW		2.29	2.31	2.42	2.26	2.32	2.42
		COPd (declared COP)				3.98		3.97	4.01	4.14	4.04
		Power input		kW		0.58		0.61	0.56		0.60
	C Condition (7°C)	Pdh (declared heating cap)		kW		1.56		1.57	1.45	1.49	1.56
		COPd (declared COP)				5.10	5.09	5.13	5.12	5.32	5.17
		Power input		kW		0.31			0.28		0.30
	D Condition (12°C)	Pdh (declared heating cap)		kW		1.84		1.85		1.87	
		COPd (declared COP)				6.26		6.29	6.26	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	62	63	64	
	Sound power level indoor	Cooling	Nom.	dBA	60		56	60	56		
	Piping length	Cooling	Measuring condition	m	5.0						
Nominal efficiency	EER				4.50	4.00	4.05	4.62	4.11	4.31	
	COP				4.40	3.80		4.44	3.97	3.87	
	Annual energy consumption		kWh		389	625	741	379	608	696	
	Energy labeling Directive	Cooling				A					
Heating				A		C	A				

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2-4 Capacity and Power input					FBA35A9/ RZAG35A	FBA50A9/ RZAG50A	FBA60A9/ RZAG60A	FBA50A9/ RZAG35A	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/RZAG50A	FTXM60N/RZAG60A	
Indoor unit				FTXM35N2V1B	FTXM50N2V1B	FTXM60N2V1B	
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	5.0	6.0	6.8
				Btu/h	17,000.0	20,500.0	23,200.0
				kcal/h	4,299.0	5,159.0	5,847.0
Heating capacity	Min.			kW	1.40	1.50	1.60
				Btu/h	4,780.0	5,100.0	5,500.0
				kcal/h	1,200.0	1,290.0	1,380.0
	Nom.			kW	4.00	6.00	7.00
				Btu/h	13,700.0	20,500.0	23,900.0
				kcal/h	3,439.0	5,159.0	6,019.0
	Max.			kW	5.30	6.50	7.50
				Btu/h	18,000.0	22,200.0	25,590.0
				kcal/h	4,557.0	5,589.0	6,449.0
Power input	Cooling	Nom.	kW	0.81	1.25	1.71	
	Heating	Nom.	kW	1.04	1.50	1.94	
Space cooling	Energy efficiency class			A++			
	Capacity	Pdesign	kW	3.50	5.00	6.00	
	SEER			7.70	7.41	6.90	
	Annual energy consumption			kWh/a	159	236	304
	A Condition (35°C - 27/19)	Pdc	kW	3.50	5.00	6.00	
		EERd		4.30	4.00	3.50	
		Power input		kW	0.81	1.25	1.71
	B Condition (30°C - 27/19)	Pdc	kW	2.58	3.68	4.42	
		EERd		6.09	5.38	4.82	
		Power input		kW	0.42	0.68	0.92
	C Condition (25°C - 27/19)	Pdc	kW	1.80	2.37	2.84	
		EERd		9.34	8.82	8.15	
		Power input		kW	0.19	0.27	0.35
	D Condition (20°C - 27/19)	Pdc	kW	1.91	2.08	2.10	
		EERd		12.34	13.03	12.96	
Power input		kW	0.15	0.16			

## 2 Specifications

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2-5 Capacity and Power input					FTXM35N/RZAG35A		FTXM50N/RZAG50A		FTXM60N/RZAG60A			
Space heating (Average climate)	Energy efficiency class				A++						A+	
	Capacity		Pdesign	kW	2.60		4.50		4.60			
	SCOP/A				4.60						4.35	
	SCOPnet/A				4.63		4.64		4.38			
	Pdh Heating capacity at -10°			kW	2.47		3.89		4.02			
	Annual energy consumption			kWh/a	790		1,369		1,480			
	Required back up heating cap at design conditions			kW	0.13		0.61		0.58			
	TOL	Tol (temperature operating limit)		°C	-20							
		Pdh (declared heating cap)		kW	3.03		3.61		3.85			
		COPd (declared COP)			2.35		2.29		2.22			
		Power input		kW	1.29		1.58		1.73			
	TBivalent	Tbiv (bivalent temperature)		°C	-7							
		Pdh (declared heating cap)		kW	2.31		3.98		4.07			
		COPd (declared COP)			3.00						2.74	
		Power input		kW	0.77		1.33		1.49			
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.31		3.98		4.07			
		COPd (declared COP)			3.00						2.74	
		Power input		kW	0.77		1.33		1.49			
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.35		2.44		2.48			
		COPd (declared COP)			4.67		4.49		4.27			
		Power input		kW	0.29		0.54		0.58			
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.31		1.56		1.59			
		COPd (declared COP)			6.13		6.00		5.71			
		Power input		kW	0.21		0.26		0.28			
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.54		1.67					
		COPd (declared COP)			7.43		7.76		7.50			
Power input		kW	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.	dB	62		63		64		
	Sound power level indoor		Cooling	Nom.	dB	58				60		
	Piping length		Cooling	Measuring condition	m	5.0						
Nominal efficiency	EER				4.30		4.00		3.50			
	COP				3.85		4.00		3.61			
	Annual energy consumption			kWh	407		625		857			
	Energy labeling Directive		Cooling			A						
			Heating			A						

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2-5 Capacity and Power input				FTXM35N/RZAG35A		FTXM50N/RZAG50A		FTXM60N/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/ RZAG50A	FHA60A9/ RZAG60A	FHA50A9/ RZAG35A	FHA60A9/ RZAG50A	FHA71A9/ RZAG60A		
Indoor unit				FHA35AVEB9	FHA50AVEB9	FHA60AVEB9	FHA50AVEB9	FHA60AVEB9	FHA71AVEB9		
Outdoor unit				RZAG35A2V1 B	RZAG50A2V1 B	RZAG60A2V1 B	RZAG35A2V1 B	RZAG50A2V1 B	RZAG60A2V1 B		
Cooling capacity	Min.	kW		1.7		1.9		1.7			
		Btu/h		5,800.0		6,500.0		5,800.0			
		kcal/h		1,462.0		1,634.0		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		6.8			
		Btu/h		15,400.0		20,500.0		23,200.0			
		kcal/h		3,869.0		5,159.0		5,847.0			
Heating capacity	Min.	kW		1.40		1.70		1.40			
		Btu/h		4,780.0		5,800.0		4,800.0			
		kcal/h		1,200.0		1,460.0		1,200.0			
	Nom.	kW		4.00		5.80		7.00			
		Btu/h		13,700.0		19,800.0		23,900.0			
		kcal/h		3,439.0		4,987.0		6,019.0			
	Max.	kW		5.50		6.50		7.50			
		Btu/h		18,800.0		22,200.0		25,590.0			
		kcal/h		4,729.0		5,589.0		6,449.0			
Power input	Cooling	Nom.	kW		0.76		1.22		1.54		
	Heating	Nom.	kW		0.98		1.56		2.06		
Space cooling	Energy efficiency class			A++							
	Capacity	Pdesign	kW		3.50		5.00		6.00		
	SEER			6.40		6.80		6.60		6.65	
	Annual energy consumption			kWh/a		191		257		318	
	A Condition (35°C - 27/19)	Pdc		kW		3.50		5.00		6.00	
		EERd		4.60		4.10		3.90		5.05	
		Power input		kW		0.76		1.22		1.54	
	B Condition (30°C - 27/19)	Pdc		kW		2.58		3.68		4.42	
		EERd		6.47		6.29		5.55		6.72	
		Power input		kW		0.41		0.59		0.80	
	C Condition (25°C - 27/19)	Pdc		kW		2.46		2.85		2.21	
		EERd		8.52		8.27		8.81		8.83	
		Power input		kW		0.29		0.34		0.25	
	D Condition (20°C - 27/19)	Pdc		kW		2.05		2.10		2.12	
		EERd		11.30		11.19		10.98		11.50	
Power input		kW		0.18		0.19		0.20			

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2-6 Capacity and Power input					FHA35A9/ RZAG35A	FHA50A9/ RZAG50A	FHA60A9/ RZAG60A	FHA50A9/ RZAG35A	FHA60A9/ RZAG50A	FHA71A9/ RZAG60A	
Space heating (Average climate)	Energy efficiency class				A+						
	Capacity	Pdesign	kW		3.10	4.00	4.60	3.10	4.00	4.60	
	SCOP/A				4.10	4.30	4.20	4.18	4.44	4.35	
	SCOPnet/A				4.13	4.34	4.25	4.22	4.48	4.39	
	Pdh Heating capacity at -10°		kW		2.75	3.46	3.93	2.77	3.48	3.96	
	Annual energy consumption		kWh/a		1,058	1,302	1,633	1,038	1,261	1,480	
	Required back up heating cap at design conditions		kW		0.35	0.54	0.97	0.33	0.52	0.64	
	TOL	Tol (temperature operating limit)		°C		-20					
		Pdh (declared heating cap)		kW		2.79	3.20	3.48	2.87	3.30	3.59
		COPd (declared COP)				2.12	2.09	2.00	2.05	1.98	2.02
		Power input		kW		1.32	1.53	1.74	1.40	1.67	1.78
	TBivalent	Tbiv (bivalent temperature)		°C		-7					
		Pdh (declared heating cap)		kW		2.74	3.54	4.07	2.74	3.54	4.07
		COPd (declared COP)				2.90	2.93	2.73	2.96	3.03	3.04
		Power input		kW		0.94	1.21	1.49	0.93	1.17	1.34
	A Condition (-7°C)	Pdh (declared heating cap)		kW		2.74	3.54	4.07	2.74	3.54	4.07
		COPd (declared COP)				2.90	2.93	2.73	2.96	3.03	3.04
		Power input		kW		0.94	1.21	1.49	0.93	1.17	1.34
	B Condition (2°C)	Pdh (declared heating cap)		kW		1.76	2.15	2.48	1.74	2.15	2.48
		COPd (declared COP)				4.00	4.17	4.07	4.08	4.35	4.14
		Power input		kW		0.44	0.52	0.61	0.43	0.49	0.60
	C Condition (7°C)	Pdh (declared heating cap)		kW		1.63	1.64		1.65		1.66
		COPd (declared COP)				5.59	5.79	5.68	5.70	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	1.79	1.78	1.80		1.81
		COPd (declared COP)				6.86	7.18	7.06	7.03	7.02	7.09
		Power input		kW		0.26	0.25		0.260		
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	62	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	4.10	3.90	5.05	4.24	4.35	
	COP				4.10	3.71	3.40	4.18	3.75	3.52	
	Annual energy consumption		kWh		380	610	769	347	590	690	
	Energy labeling Directive	Cooling				A					
Heating				A		C		A			



## 2 Specifications

2-6 Capacity and Power input					FHA35A9/ RZAG35A	FHA50A9/ RZAG50A	FHA60A9/ RZAG60A	FHA50A9/ RZAG35A	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/RZAG50A	FNA60A9/RZAG60A	FNA50A9/RZAG35A	FNA60A9/RZAG50A	
Indoor unit				FNA35A2VEB9	FNA50A2VEB9	FNA60A2VEB9	FNA50A2VEB9	FNA60A2VEB9	
Outdoor unit				RZAG35A2V1B	RZAG50A2V1B	RZAG60A2V1B	RZAG35A2V1B	RZAG50A2V1B	
Cooling capacity	Min.			kW	1.6	1.7		1.6	1.7
				Btu/h	5,500.0	5,800.0		5,500.0	5,800.0
				kcal/h	1,376.0	1,462.0		1,376.0	1,462.0
	Nom.			kW	3.5	5.0	6.0	3.5	5.0
				Btu/h	11,900.0	17,100.0	20,500.0	11,900.0	17,100.0
				kcal/h	3,009.0	4,299.0	5,159.0	3,009.0	4,299.0
	Max.			kW	4.5	6.0	6.5	4.5	6.0
				Btu/h	15,400.0	20,500.0	22,200.0	15,400.0	20,500.0
				kcal/h	3,869.0	5,159.0	5,589.0	3,869.0	5,159.0
Heating capacity	Min.			kW	1.40	1.70		1.40	1.70
				Btu/h	4,780.0	5,800.0		4,800.0	5,800.0
				kcal/h	1,200.0	1,460.0		1,200.0	1,500.0
	Nom.			kW	4.00	5.00	7.00	4.00	5.00
				Btu/h	13,700.0	17,100.0	23,900.0	13,600.0	17,100.0
				kcal/h	3,439.0	4,299.0	6,019.0	3,439.0	4,299.0
	Max.			kW	5.00	6.00	7.50	5.00	6.00
				Btu/h	17,000.0	20,500.0	25,590.0	17,100.0	20,500.0
				kcal/h	4,299.0	5,159.0	6,449.0	4,299.0	5,159.0
Power input	Cooling	Nom.	kW	0.90	1.32	1.76	0.86	1.26	
	Heating	Nom.	kW	1.14	1.47	2.12	1.10	1.45	
Space cooling	Energy efficiency class			A+					
	Capacity	Pdesign	kW	3.50	5.00	6.00	3.50	5.00	
	SEER			5.90					
	Annual energy consumption			kWh/a	208	297	368	201	293
	A Condition (35°C - 27/19)	Pdc	kW	3.50	5.00	6.00	3.50	5.00	
		EERd		3.90	3.80	3.40	4.05	3.98	
		Power input		kW	0.90	1.32	1.76	0.86	1.26
	B Condition (30°C - 27/19)	Pdc	kW	2.58	3.68	4.42	2.58	3.68	
		EERd		5.52	5.12	4.68	5.79	5.20	
		Power input		kW	0.47	0.72	0.94	0.45	0.71
	C Condition (25°C - 27/19)	Pdc	kW	2.00	2.37	2.84	2.06	2.37	
		EERd		8.17	7.57	7.28	8.46	7.65	
		Power input		kW	0.24	0.31	0.39	0.24	0.31
	D Condition (20°C - 27/19)	Pdc	kW	2.02	2.09				
		EERd		9.76	9.09	8.85	10.07	9.14	
		Power input		kW	0.21	0.23	0.24	0.21	0.23

## 2 Specifications

2

2-7 Capacity and Power input					FNA35A9/RZAG35A	FNA50A9/RZAG50A	FNA60A9/RZAG60A	FNA50A9/RZAG35A	FNA60A9/RZAG50A		
Space heating (Average climate)	Energy efficiency class				A					A+	A
	Capacity	Pdesign	kW		3.50	4.30	4.50	4.20	4.30		
	SCOP/A				3.90					4.05	3.94
	SCOPnet/A				3.94					4.09	3.97
	Pdh Heating capacity at -10°		kW		2.99	3.62	3.82	3.49	3.63		
	Annual energy consumption		kWh/a		1,255	1,542	1,616	1,452	1,528		
	Required back up heating cap at design conditions		kW		0.51	0.68		0.71	0.67		
	TOL	Tol (temperature operating limit)		°C		-20					
		Pdh (declared heating cap)		kW		2.64	3.01	3.30	2.73	3.08	
		COPd (declared COP)				2.05	1.98	1.94	1.98	1.96	
		Power input		kW		1.29	1.52	1.70	1.38	1.57	
	TBivalent	Tbiv (bivalent temperature)		°C		-7					
		Pdh (declared heating cap)		kW		3.10	3.80	3.98	3.72	3.80	
		COPd (declared COP)				2.51	2.32	2.31	2.59	2.34	
		Power input		kW		1.24	1.66	1.72	1.44	1.62	
	A Condition (-7°C)	Pdh (declared heating cap)		kW		3.10	3.80	3.98	3.72	3.80	
		COPd (declared COP)				2.51	2.32	2.31	2.59	2.34	
		Power input		kW		1.24	1.64	1.72	1.44	1.62	
	B Condition (2°C)	Pdh (declared heating cap)		kW		1.89	2.32	2.42	2.26	2.32	
		COPd (declared COP)				3.76	4.02	4.01	3.85	4.03	
		Power input		kW		0.50	0.58	0.60	0.59	0.58	
	C Condition (7°C)	Pdh (declared heating cap)		kW		1.45	1.61		1.51	1.61	
		COPd (declared COP)				5.53	4.90		5.69	5.02	
		Power input		kW		0.26	0.33		0.27	0.32	
	D Condition (12°C)	Pdh (declared heating cap)		kW		1.54	1.59		1.60	1.80	
		COPd (declared COP)				6.76	6.53	6.52	6.97	6.70	
		Power input		kW		0.23	0.24		0.230	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	62	63		
	Sound power level indoor	Cooling	Nom.	dB(A)	53	56					
	Piping length	Cooling	Measuring condition	m	5.0						
Nominal efficiency	EER				3.90	3.80	3.40	4.05	3.98		
	COP				3.50	3.40	3.30	3.63	3.44		
	Annual energy consumption		kWh		449	658	882	432	628		
	Energy labeling Directive	Cooling				A					
Heating				B	C		A	B			

## 2 Specifications

2-7 Capacity and Power input				FNA35A9/RZAG35A	FNA50A9/RZAG50A	FNA60A9/RZAG60A	FNA50A9/RZAG35A	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		2.0			
	Stages	Quantity		32			
	Tube type		ø7 Hi-XD				
	Fin	Type		Waffle fin (PE)			
	Compressor	Model			2YC40JXD#C		
Oil Amount		cm <sup>3</sup>	650				
Type			Hermetically sealed swing compressor				
Output		W	1,300				
Oil Type			FW68DA				
Fan	Type			Propeller fan			
	Air flow rate	Cooling	Nom.	m <sup>3</sup> /min	55.1		
				cfm	1,947		
		Heating	Nom.	m <sup>3</sup> /min	55.1		
			cfm	1,947			
Fan motor	Model			D55F-31			
	Output		W	55			
	Speed	Cooling	High	rpm	780		
			Nom.	rpm	740	780	
			Low	rpm	580	620	640
		Heating	High	rpm	740		
			Nom.	rpm	740		
Low			rpm	460			
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 <sub>2</sub> 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.	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;

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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

- The RLA is based on the following conditions.  
Outdoor temperature 35°C DB  
Indoor temperature 27°C DB / 19°C WB
- Select the wire size according to the MCA.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- 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]

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### 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 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	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				

Notes

- The RLA is based on the following conditions.  
Outdoor temperature 35°C DB  
Indoor temperature 27°C DB / 19°C WB
- Select the wire size according to the MCA.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- 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]

3D118440

# 3 Electrical data

## 3 - 1 Electrical Data

3

### 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]

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# 4 Capacity tables

## 4 - 1 Cooling Capacity Tables

### RZAG35A / FBA50A9

#### 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										
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-							
41.8	11	18	3.34	3.34	0.25	3.34	3.34	0.27	3.34	3.34	0.30	3.34	3.34	0.33	3.34	3.34	0.36	3.34	3.34	0.39	3.34	3.34	0.46	3.34	3.34	0.52	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.69	2.85	2.85	0.74	2.69	2.69	0.80							
57	13		3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.47	3.51	2.92	0.52	3.51	2.92	0.58	3.34	2.85	0.64	3.18	2.77	0.69	3.02	2.69	0.75	2.85	2.62	0.80										
31.4	11		3.34	3.34	0.25	3.34	3.34	0.27	3.34	3.34	0.30	3.34	3.34	0.33	3.34	3.34	0.36	3.34	3.34	0.39	3.34	3.34	0.46	3.34	3.34	0.52	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.69	2.85	2.85	0.74	2.69	2.69	0.80							
44.9	13	20	3.51	3.48	0.41	3.51	3.48	0.41	3.51	3.48	0.41	3.51	3.48	0.41	3.51	3.48	0.41	3.51	3.48	0.47	3.51	3.48	0.52	3.51	3.48	0.58	3.34	3.34	0.64	3.18	3.18	0.69	3.02	3.02	0.75	2.85	2.85	0.80										
52	14		3.59	3.18	0.47	3.59	3.18	0.47	3.59	3.18	0.47	3.59	3.18	0.47	3.59	3.18	0.47	3.59	3.18	0.47	3.59	3.18	0.53	3.59	3.18	0.58	3.42	3.11	0.64	3.26	3.03	0.69	3.10	2.96	0.75	2.93	2.89	0.81										
22.9	11		3.34	3.34	0.24	3.34	3.34	0.27	3.34	3.34	0.30	3.34	3.34	0.33	3.34	3.34	0.36	3.34	3.34	0.39	3.34	3.34	0.46	3.34	3.34	0.52	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.69	2.85	2.85	0.74	2.69	2.69	0.80							
34.8	13	22	3.51	3.51	0.41	3.51	3.51	0.41	3.51	3.51	0.41	3.51	3.51	0.41	3.51	3.51	0.41	3.51	3.51	0.47	3.51	3.51	0.52	3.51	3.51	0.58	3.34	3.34	0.64	3.18	3.18	0.69	3.02	3.02	0.75	2.85	2.85	0.80										
47.6	15		3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.53	3.67	3.44	0.58	3.50	3.37	0.64	3.34	3.29	0.70	3.18	3.18	0.75	3.01	3.01	0.81										
54.3	16		3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.53	3.75	3.13	0.58	3.58	3.06	0.64	3.42	2.99	0.70	3.26	2.92	0.75	3.10	2.86	0.81										
21.2	12		3.42	3.42	0.29	3.42	3.42	0.32	3.42	3.42	0.35	3.42	3.42	0.38	3.42	3.42	0.41	3.42	3.42	0.41	3.42	3.42	0.47	3.42	3.42	0.52	3.42	3.42	0.58	3.26	3.26	0.63	3.10	3.10	0.69	2.94	2.94	0.75	2.77	2.77	0.80							
32.1	14	24	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.53	3.59	3.59	0.58	3.42	3.42	0.64	3.26	3.26	0.69	3.10	3.10	0.75	2.93	2.93	0.81										
43.8	16		3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.53	3.75	3.69	0.58	3.58	3.58	0.64	3.42	3.42	0.70	3.26	3.26	0.75	3.10	3.10	0.81										
50	17		3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.53	3.83	3.38	0.59	3.66	3.32	0.64	3.50	3.25	0.70	3.34	3.18	0.75	3.18	3.12	0.81										
21.5	14		3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.53	3.59	3.59	0.58	3.42	3.42	0.64	3.26	3.26	0.69	3.10	3.10	0.75	2.93	2.93	0.81										
26.3	15	27	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.53	3.67	3.67	0.58	3.50	3.50	0.64	3.34	3.34	0.70	3.18	3.18	0.75	3.01	3.01	0.81										
31.3	16		3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.53	3.75	3.75	0.58	3.58	3.58	0.64	3.42	3.42	0.70	3.26	3.26	0.75	3.10	3.10	0.81										

Symbols

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

Notes

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

Corresponding refrigerant piping length: 5 m  
Level difference: 0m

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### RZAG35A / FCA50A

#### Cooling

Indoor			Outdoor temperature [°C DB]																																													
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40									
RH	EWB	EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI							
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-				
41.8	11	18	2.64	2.64	0.20	2.64	2.64	0.22	2.64	2.64	0.24	2.64	2.64	0.27	2.64	2.64	0.29	2.64	2.64	0.32	2.64	2.64	0.39	2.64	2.64	0.45	2.64	2.64	0.52	2.64	2.64	0.59	2.64	2.64	0.66	2.64	2.64	0.74	2.64	2.64	0.81							
57	13		3.51	2.61	0.25	3.51	2.61	0.27	3.51	2.61	0.30	3.51	2.61	0.33	3.51	2.61	0.36	3.51	2.61	0.39	3.51	2.61	0.46	3.51	2.61	0.53	3.51	2.61	0.59	3.34	2.52	0.64	3.18	2.44	0.70	3.02	2.36	0.76	2.85	2.29	0.81							
31.4	11		2.63	2.63	0.20	2.63	2.63	0.22	2.63	2.63	0.24	2.63	2.63	0.27	2.63	2.63	0.29	2.63	2.63	0.32	2.63	2.63	0.38	2.63	2.63	0.45	2.63	2.63	0.52	2.63	2.63	0.59	2.63	2.63	0.66	2.63	2.63	0.73	2.63	2.63	0.80							
44.9	13	20	3.51	3.02	0.25	3.51	3.02	0.27	3.51	3.02	0.30	3.51	3.02	0.33	3.51	3.02	0.36	3.51	3.02	0.39	3.51	3.02	0.46	3.51	3.02	0.53	3.51	3.02	0.59	3.34	2.94	0.64	3.18	2.86	0.70	3.02	2.78	0.76	2.85	2.70	0.81							
52	14		3.59	2.79	0.27	3.59	2.79	0.30	3.59	2.79	0.32	3.59	2.79	0.36	3.59	2.79	0.39	3.59	2.79	0.42	3.59	2.79	0.47	3.59	2.79	0.53	3.59	2.79	0.59	3.42	2.71	0.64	3.26	2.64	0.70	3.10	2.56	0.76	2.93	2.48	0.81							
22.9	11		2.62	2.62	0.20	2.62	2.62	0.22	2.62	2.62	0.24	2.62	2.62	0.27	2.62	2.62	0.29	2.62	2.62	0.32	2.62	2.62	0.38	2.62	2.62	0.45	2.62	2.62	0.52	2.62	2.62	0.59	2.62	2.62	0.66	2.62	2.62	0.73	2.62	2.62	0.80							
34.8	13	22	3.51	3.44	0.25	3.51	3.44	0.27	3.51	3.44	0.30	3.51	3.44	0.33	3.51	3.44	0.36	3.51	3.44	0.39	3.51	3.44	0.46	3.51	3.44	0.53	3.51	3.44	0.59																			

# 4 Capacity tables

## 4 - 1 Cooling Capacity Tables

### RZAG35A / FDXM50F9

#### 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			
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	3.34	3.34	0.29	3.34	3.34	0.31	3.34	3.34	0.35	3.34	3.34	0.38	3.34	3.34	0.42	3.34	3.34	0.45	3.34	3.34	0.53	3.34	3.34	0.59	3.34	3.34	0.66	3.18	3.18	0.72	3.02	3.02	0.79	2.85	2.85	0.85	2.69	2.69	0.91
57	13		3.51	2.95	0.47	3.51	2.95	0.47	3.51	2.95	0.47	3.51	2.95	0.47	3.51	2.95	0.47	3.51	2.95	0.47	3.51	2.95	0.53	3.51	2.95	0.60	3.51	2.95	0.66	3.34	2.87	0.73	3.18	2.79	0.79	3.02	2.72	0.85	2.85	2.65	0.92
31.4	11		3.34	3.34	0.28	3.34	3.34	0.31	3.34	3.34	0.35	3.34	3.34	0.38	3.34	3.34	0.41	3.34	3.34	0.45	3.34	3.34	0.53	3.34	3.34	0.59	3.34	3.34	0.66	3.18	3.18	0.72	3.02	3.02	0.79	2.85	2.85	0.85	2.69	2.69	0.91
44.9	13	20	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.53	3.51	3.51	0.60	3.51	3.51	0.66	3.34	3.34	0.73	3.18	3.18	0.79	3.02	3.02	0.85	2.85	2.85	0.92
52	14		3.59	3.21	0.54	3.59	3.21	0.54	3.59	3.21	0.54	3.59	3.21	0.54	3.59	3.21	0.54	3.59	3.21	0.54	3.59	3.21	0.54	3.59	3.21	0.60	3.59	3.21	0.66	3.42	3.14	0.73	3.26	3.06	0.79	3.10	2.99	0.86	2.93	2.92	0.92
22.9	11		3.34	3.34	0.28	3.34	3.34	0.31	3.34	3.34	0.35	3.34	3.34	0.38	3.34	3.34	0.41	3.34	3.34	0.45	3.34	3.34	0.53	3.34	3.34	0.59	3.34	3.34	0.66	3.18	3.18	0.72	3.02	3.02	0.79	2.85	2.85	0.85	2.69	2.69	0.91
34.8	13		3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.47	3.51	3.51	0.53	3.51	3.51	0.60	3.51	3.51	0.66	3.34	3.34	0.73	3.18	3.18	0.79	3.02	3.02	0.85	2.85	2.85	0.92
47.6	15	22	3.67	3.47	0.54	3.67	3.47	0.54	3.67	3.47	0.54	3.67	3.47	0.54	3.67	3.47	0.54	3.67	3.47	0.54	3.67	3.47	0.54	3.67	3.47	0.60	3.67	3.47	0.67	3.50	3.40	0.73	3.34	3.33	0.79	3.18	3.18	0.86	3.01	3.01	0.92
54.3	16		3.75	3.16	0.54	3.75	3.16	0.54	3.75	3.16	0.54	3.75	3.16	0.54	3.75	3.16	0.54	3.75	3.16	0.54	3.75	3.16	0.54	3.75	3.16	0.60	3.75	3.16	0.67	3.58	3.09	0.73	3.42	3.02	0.80	3.26	2.95	0.86	3.10	2.89	0.92
21.2	12		3.42	3.42	0.37	3.42	3.42	0.40	3.42	3.42	0.43	3.42	3.42	0.47	3.42	3.42	0.47	3.42	3.42	0.47	3.42	3.42	0.53	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	24	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.60	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
49.8	16		3.75	3.73	0.54	3.75	3.73	0.54	3.75	3.73	0.54	3.75	3.73	0.54	3.75	3.73	0.54	3.75	3.73	0.54	3.75	3.73	0.54	3.75	3.73	0.60	3.75	3.73	0.67	3.58	3.58	0.73	3.42	3.42	0.80	3.26	3.26	0.86	3.10	3.10	0.92
50	17		3.83	3.42	0.54	3.83	3.42	0.54	3.83	3.42	0.54	3.83	3.42	0.54	3.83	3.42	0.54	3.83	3.42	0.54	3.83	3.42	0.54	3.83	3.42	0.61	3.83	3.42	0.67	3.66	3.35	0.73	3.50	3.28	0.80	3.34	3.22	0.86	3.18	3.15	0.93
21.5	14		3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.54	3.59	3.59	0.60	3.59	3.59	0.66	3.42	3.42	0.73	3.26	3.26	0.79	3.10	3.10	0.86	2.93	2.93	0.92
26.3	15	27	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.54	3.67	3.67	0.60	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

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

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### 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			
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	2.82	2.82	0.21	2.82	2.82	0.24	2.82	2.82	0.26	2.82	2.82	0.29	2.82	2.82	0.31	2.82	2.82	0.34	2.82	2.82	0.41	2.82	2.82	0.48	2.82	2.82	0.55	2.82	2.82	0.63	2.82	2.82	0.71	2.82	2.82	0.80	2.69	2.69	0.87			
57	13		3.51	2.67	0.28	3.51	2.67	0.31	3.51	2.67	0.34	3.51	2.67	0.37	3.51	2.67	0.40	3.51	2.67	0.44	3.51	2.67	0.51	3.51	2.67	0.57	3.51	2.67	0.63	3.34	2.59	0.69	3.18	2.51	0.75	3.02	2.43	0.81	2.85	2.35	0.87			
31.4	11		2.81	2.81	0.21	2.81	2.81	0.24	2.81	2.81	0.26	2.81	2.81	0.28	2.81	2.81	0.31	2.81	2.81	0.34	2.81	2.81	0.41	2.81	2.81	0.47	2.81	2.81	0.55	2.81	2.81	0.63	2.81	2.81	0.71	2.81	2.81	0.80	2.69	2.69	0.87			
44.9	13	20	3.51	3.11	0.28	3.51	3.11	0.31	3.51	3.11	0.34	3.51	3.11	0.37	3.51	3.11	0.40	3.51	3.11	0.44	3.51	3.11	0.51	3.51	3.11	0.57	3.51	3.11	0.63	3.34	3.03	0.69	3.18	2.95	0.75	3.02	2.87	0.81	2.85	2.79	0.87			
52	14		3.59	2.87	0.35	3.59	2.87	0.38	3.59	2.87	0.42	3.59	2.87	0.45	3.59	2.87	0.45	3.59	2.87	0.45	3.59	2.87	0.51	3.59	2.87	0.57	3.59	2.87	0.63	3.42	2.79	0.69	3.26	2.71	0.75	3.10	2.64	0.81	2.93	2.56	0.87			
22.9	11		2.81	2.81	0.21	2.81	2.81	0.23	2.81	2.81	0.26	2.81	2.81	0.28	2.81	2.81	0.31	2.81	2.81	0.34	2.81	2.81	0.40	2.81	2.81	0.47	2.81	2.81	0.55	2.81	2.81	0.63	2.81	2.81	0.71	2.81	2.81	0.80	2.69	2.69	0.87			
34.8	13		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	22	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															



# 4 Capacity tables

## 4 - 1 Cooling Capacity Tables

### 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												
%	°C	°C	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	18	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	0.48	3.51	2.88	0.53	3.34	2.80	0.58	3.18	2.73	0.63	3.02	2.65	0.68	2.85	2.58	0.74			
31.4	11	20	3.34	3.34	0.22	3.34	3.34	0.24	3.34	3.34	0.27	3.34	3.34	0.29	3.34	3.34	0.32	3.34	3.34	0.35	3.34	3.34	0.41	3.34	3.34	0.47	3.34	3.34	0.53	3.18	3.18	0.58	3.02	3.02	0.63	2.85	2.85	0.68	2.69	2.69	0.73
44.9	13	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	0.48	3.51	3.42	0.53	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.68	2.85	2.85	0.74			
52	14	20	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	2.93	2.84	0.74			
22.9	11	22	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	0.48	3.51	3.51	0.53	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.68	2.85	2.85	0.74			
47.6	15	22	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	0.74			
54.3	16	22	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	2.94	0.64	3.26	2.87	0.69	3.10	2.81	0.74			
21.2	12	24	3.42	3.42	0.24	3.42	3.42	0.26	3.42	3.42	0.29	3.42	3.42	0.32	3.42	3.42	0.35	3.42	3.42	0.37	3.42	3.42	0.43	3.42	3.42	0.48	3.42	3.42	0.53	3.26	3.26	0.58	3.10	3.10	0.63	2.94	2.94	0.68	2.77	2.77	0.73
32.1	14	24	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.48	3.59	3.59	0.53	3.42	3.42	0.58	3.26	3.26	0.63	3.10	3.10	0.69	2.93	2.93	0.74			
43.8	16	24	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	0.59	3.42	3.42	0.64	3.26	3.26	0.69	3.10	3.10	0.74			
50	17	24	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	0.49	3.83	3.32	0.54	3.66	3.26	0.59	3.50	3.19	0.64	3.34	3.12	0.69	3.18	3.06	0.74			
21.5	14	27	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	0.48	3.59	3.59	0.53	3.42	3.42	0.58	3.26	3.26	0.63	3.10	3.10	0.69	2.93	2.93	0.74			
26.3	15	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	0.48	3.67	3.67	0.53	3.50	3.50	0.58	3.34	3.34	0.64	3.18	3.18	0.69	3.01	3.01	0.74			
31.3	16	27	3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.48	3.75	3.75	0.53	3.58	3.58	0.59	3.42	3.42	0.64	3.26	3.26	0.69	3.10	3.10	0.74			

#### Symbols

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

#### Notes

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

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### 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									
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	18	3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.47	3.51	2.96	0.60	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	0.92			
31.4	11	20	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
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	20	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.54	3.59	3.23	0.60	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	22	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	22	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.54	3.67	3.50	0.60	3.67	3.50	0.66	3.67	3.50	0.73	3.42	3.42	0.79	3.18	3.18	0.86	3.01	3.01	0.92			
54.3	16	22	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.54	3.75	3.18	0.60	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						



# 4 Capacity tables

## 4 - 1 Cooling Capacity Tables

### 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			
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	3.64	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		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	20	5.01	4.25	0.40	5.01	4.25	0.44	5.01	4.25	0.48	5.01	4.25	0.52	5.01	4.25	0.57	5.01	4.25	0.63	5.01	4.25	0.73	5.01	4.25	0.85	5.01	4.25	0.96	4.77	4.14	1.05	4.54	4.02	1.15	4.31	3.91	1.24	4.08	3.79	1.33
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	0.74	5.24	4.19	0.79	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	0.88	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	0.74	5.24	5.24	0.79	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

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

3D120429

### 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			
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	3.37	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			
57	13		4.68	3.43	0.41	4.68	3.43	0.46	4.68	3.43	0.50	4.68	3.43	0.55	4.68	3.43	0.60	4.68	3.43	0.66	4.68	3.43	0.77	4.68	3.43	0.90	4.68	3.43	1.02	4.68	3.43	1.15	4.54	3.36	1.26	4.31	3.25	1.36	4.08	3.13	1.46			
31.4	11		3.36	3.36	0.33	3.36	3.36	0.36	3.36	3.36	0.40	3.36	3.36	0.44	3.36	3.36	0.48	3.36	3.36	0.53	3.36	3.36	0.63	3.36	3.36	0.75	3.36	3.36	0.87	3.36	3.36	0.99	3.36	3.36	1.13	3.36	3.36	1.26	3.36	3.36	1.40			
44.9	13	20	4.67	3.96	0.41	4.67	3.96	0.45	4.67	3.96	0.50	4.67	3.96	0.55	4.67	3.96	0.60	4.67	3.96	0.66	4.67	3.96	0.77	4.67	3.96	0.89	4.67	3.96	1.02	4.67	3.96	1.15	4.54	3.89	1.26	4.31	3.78	1.36	4.08	3.66	1.46			
52	14		5.12	3.84	0.45	5.12	3.84	0.50	5.12	3.84	0.55	5.12	3.84	0.60	5.12	3.84	0.66	5.12	3.84	0.71	5.12	3.84	0.83	5.12	3.84	0.96	5.12	3.84	1.06	4.89	3.72	1.16	4.66	3.61	1.26	4.42	3.49	1.37	4.19	3.38	1.47			
22.9	11		3.35	3.35	0.33	3.35	3.35	0.36	3.35	3.35	0.40	3.35	3.35	0.44	3.35	3.35	0.48	3.35	3.35	0.53	3.35	3.35	0.63	3.35	3.35	0.75	3.35	3.35	0.87	3.35	3.35	0.99	3.35	3.35	1.12	3.35	3.35	1.26	3.35	3.35	1.40			
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			
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	3.9													

# 4 Capacity tables

## 4 - 1 Cooling Capacity Tables

### RZAG50A / FHA60A9

#### Cooling

Indoor			Outdoor temperature [°C DB]																																						
RH	EWB	EDB	-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C																																							
42	11	18	4.03	4.03	0.32	4.03	4.03	0.35	4.03	4.03	0.39	4.03	4.03	0.43	4.03	4.03	0.47	4.03	4.03	0.51	4.03	4.03	0.61	4.03	4.03	0.71	4.03	4.03	0.82	4.03	4.03	0.93	4.03	4.03	1.04	4.03	4.03	1.15	3.85	3.85	1.25
57	13	20	5.01	3.81	0.40	5.01	3.81	0.44	5.01	3.81	0.49	5.01	3.81	0.53	5.01	3.81	0.58	5.01	3.81	0.63	5.01	3.81	0.73	5.01	3.81	0.82	5.01	3.81	0.90	4.77	3.69	0.99	4.54	3.58	1.08	4.31	3.47	1.16	4.08	3.36	1.25
31	11	18	4.02	4.02	0.32	4.02	4.02	0.35	4.02	4.02	0.39	4.02	4.02	0.43	4.02	4.02	0.47	4.02	4.02	0.51	4.02	4.02	0.61	4.02	4.02	0.71	4.02	4.02	0.82	4.02	4.02	0.93	4.02	4.02	1.04	4.02	4.02	1.15	3.85	3.85	1.25
45	13	20	5.01	4.44	0.40	5.01	4.44	0.44	5.01	4.44	0.49	5.01	4.44	0.53	5.01	4.44	0.58	5.01	4.44	0.63	5.01	4.44	0.73	5.01	4.44	0.82	5.01	4.44	0.90	4.77	4.33	0.99	4.54	4.21	1.08	4.31	4.10	1.16	4.08	3.99	1.25
52	14	20	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	0.69	5.12	4.10	0.74	5.12	4.10	0.84	5.12	4.10	0.93	5.12	4.10	1.01	4.89	3.99	0.99	4.66	3.88	1.08	4.42	3.77	1.17	4.19	3.66	1.25
23	11	18	4.01	4.01	0.32	4.01	4.01	0.35	4.01	4.01	0.39	4.01	4.01	0.43	4.01	4.01	0.47	4.01	4.01	0.51	4.01	4.01	0.61	4.01	4.01	0.71	4.01	4.01	0.82	4.01	4.01	0.93	4.01	4.01	1.04	4.01	4.01	1.15	3.85	3.85	1.25
35	13	22	5.01	5.01	0.40	5.01	5.01	0.44	5.01	5.01	0.48	5.01	5.01	0.53	5.01	5.01	0.58	5.01	5.01	0.63	5.01	5.01	0.73	5.01	5.01	0.82	5.01	5.01	0.90	4.77	4.77	0.99	4.54	4.54	1.08	4.31	4.31	1.16	4.08	4.08	1.25
48	15	22	5.24	4.38	0.65	5.24	4.38	0.65	5.24	4.38	0.65	5.24	4.38	0.65	5.24	4.38	0.65	5.24	4.38	0.65	5.24	4.38	0.73	5.24	4.38	0.82	5.24	4.38	0.91	5.00	4.27	1.00	4.77	4.17	1.08	4.54	4.06	1.17	4.31	3.96	1.26
54	16	22	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.82	5.35	4.03	0.91	5.12	3.92	1.00	4.89	3.82	1.08	4.65	3.72	1.17	4.42	3.62	1.26
21	12	24	4.76	4.76	0.36	4.76	4.76	0.40	4.76	4.76	0.44	4.76	4.76	0.48	4.76	4.76	0.52	4.76	4.76	0.57	4.76	4.76	0.67	4.76	4.76	0.78	4.76	4.76	0.89	4.66	4.66	0.99	4.43	4.43	1.07	4.19	4.19	1.16	3.96	3.96	1.25
32	14	24	5.12	5.12	0.50	5.12	5.12	0.55	5.12	5.12	0.60	5.12	5.12	0.64	5.12	5.12	0.69	5.12	5.12	0.74	5.12	5.12	0.84	5.12	5.12	0.93	5.12	5.12	1.01	4.89	4.89	0.99	4.66	4.66	1.08	4.42	4.42	1.17	4.19	4.19	1.25
44	16	24	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.82	5.35	4.66	0.91	5.12	4.56	1.00	4.89	4.46	1.08	4.65	4.35	1.17	4.42	4.25	1.26
50	17	24	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
22	14	27	5.12	5.12	0.50	5.12	5.12	0.55	5.12	5.12	0.60	5.12	5.12	0.64	5.12	5.12	0.69	5.12	5.12	0.74	5.12	5.12	0.84	5.12	5.12	0.93	5.12	5.12	1.01	4.89	4.89	0.99	4.66	4.66	1.08	4.42	4.42	1.17	4.19	4.19	1.25
26	15	27	5.24	5.24	0.65	5.24	5.24	0.65	5.24	5.24	0.65	5.24	5.24	0.65	5.24	5.24	0.65	5.24	5.24	0.65	5.24	5.24	0.73	5.24	5.24	0.82	5.24	5.24	0.91	5.00	5.00	1.00	4.77	4.77	1.08	4.54	4.54	1.17	4.31	4.31	1.26
31	16	27	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.82	5.35	5.35	0.91	5.12	5.12	1.00	4.89	4.89	1.08	4.65	4.65	1.17	4.42	4.42	1.26

#### Symbols

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

#### Notes

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

3D120441

### RZAG50A / FNA60A

#### Cooling

Indoor			Outdoor temperature [°C DB]																																						
RH	EWB	EDB	-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C																																							
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	18	5.01	3.68	0.40	5.01	3.68	0.44	5.01	3.68	0.48	5.01	3.68	0.53	5.01	3.68	0.57	5.01	3.68	0.63	5.01	3.68	0.74	5.01	3.68	0.85	5.01	3.68	0.96	4.77	3.56	1.05	4.54	3.45	1.15	4.31	3.33	1.24	4.08	3.22	1.33
31.4	11	18	3.63	3.63	0.31	3.63	3.63	0.34	3.63	3.63	0.38	3.63	3.63	0.42	3.63	3.63	0.46	3.63	3.63	0.50	3.63	3.63	0.60	3.63	3.63	0.70	3.63	3.63	0.81	3.63	3.63	0.93	3.63	3.63	1.05	3.63	3.63	1.17	3.63	3.63	1.30
44.9	13	20	5.01	4.25	0.40	5.01	4.25	0.44	5.01	4.25	0.48	5.01	4.25	0.52	5.01	4.25	0.57	5.01	4.25	0.63	5.01	4.25	0.73	5.01	4.25	0.85	5.01	4.25	0.96	4.77	4.14	1.05	4.54	4.02	1.15	4.31	3.91	1.24	4.08	3.79	1.33
52	14	20	5.12	3.94	0.43	5.12	3.94	0.48	5.12	3.94	0.53	5.12	3.94	0.57	5.12	3.94	0.63	5.12	3.94	0.68	5.12	3.94	0.78	5.12	3.94	0.87	5.12	3.94	0.96	4.89	3.83	1.06	4.66	3.71	1.15	4.42	3.60	1.24	4.19	3.49	1.33
22.9	11	18	3.62	3.62	0.31	3.62	3.62	0.34	3.62	3.62	0.38	3.62	3.62	0.42	3.62	3.62	0.46	3.62	3.62	0.50	3.62	3.62	0.60	3.62	3.62	0.70	3.62	3.62	0.81	3.62	3.62	0.93	3.62	3.62	1.05	3.62	3.62	1.17	3.62	3.62	1.30
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	22	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	0.74	5.24	4.19	0.79	5.24	4.19	0.89	5.24	4.19	1.00	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	22	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.69	5.35	3.87	0.78	5.35	3.87	0.88	5.35	3.87	0.97	5.12	3.77	1.06	4.89	3.66	1.15	4.65	3.56	1.25	4.42	3.45	1.34
21.2	12	24	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 Capacity tables

## 4 - 1 Cooling Capacity Tables

### 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						
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-			
41.8	11	18	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	18	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	20	5.60	4.75	0.44	5.60	4.75	0.49	5.60	4.75	0.54	5.60	4.75	0.59	5.60	4.75	0.65	5.60	4.75	0.71	5.60	4.75	0.83	5.60	4.75	0.95	5.60	4.75	1.07	5.60	4.75	1.17	5.45	4.67	1.27	5.17	4.53	1.37	4.89	4.39	1.48			
52	14	20	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	22	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	1.48			
47.6	15	22	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	22	6.42	4.52	0.66	6.42	4.52	0.71	6.42	4.52	0.77	6.42	4.52	0.83	6.42	4.52	0.89	6.42	4.52	0.95	6.42	4.52	1.01	6.42	4.52	1.07	6.42	4.52	1.13	6.14	4.39	1.18	5.86	4.27	1.28	5.59	4.14	1.38	5.31	4.01	1.48			
21.2	12	24	4.78	4.78	0.42	4.78	4.78	0.46	4.78	4.78	0.50	4.78	4.78	0.56	4.78	4.78	0.61	4.78	4.78	0.68	4.78	4.78	0.81	4.78	4.78	0.94	4.78	4.78	1.06	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	12	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	14	24	6.42	5.16	0.66	6.42	5.16	0.71	6.42	5.16	0.77	6.42	5.16	0.83	6.42	5.16	0.89	6.42	5.16	0.95	6.42	5.16	1.01	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	24	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	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	27	6.29	6.29	0.49	6.29	6.29	0.54	6.29	6.29	0.60	6.29	6.29	0.65	6.29	6.29	0.71	6.29	6.29	0.76	6.29	6.29	0.87	6.29	6.29	0.97	6.29	6.29	1.07	6.01	6.01	1.17	5.73	5.73	1.28	5.45	5.45	1.38	5.17	5.17	1.48			
31.3	16	27	6.42	6.12	0.66	6.42	6.12	0.71	6.42	6.12	0.77	6.42	6.12	0.83	6.42	6.12	0.89	6.42	6.12	0.95	6.42	6.12	1.01	6.42	6.12	1.07	6.42	6.12	1.13	6.14	5.99	1.18	5.86	5.86	1.28	5.59	5.59	1.38	5.31	5.31	1.49			

Symbols

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

Notes

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

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### 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			
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	3.40	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	0.85	3.40	3.40	0.95	3.40	3.40	1.09	3.40	3.40	1.20	3.40	3.40	1.32	3.40	3.40	1.44	3.40	3.40	1.56	3.40	3.40	1.67
57	13	18	4.72	3.46	0.49	4.72	3.46	0.54	4.72	3.46	0.60	4.72	3.46	0.66	4.72	3.46	0.73	4.72	3.46	0.81	4.72	3.46	0.97	4.72	3.46	1.09	4.72	3.46	1.21	4.72	3.46	1.33	4.72	3.46	1.45	4.72	3.46	1.56	4.72	3.46	1.68			
31.4	11	20	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	0.85	3.39	3.39	0.95	3.39	3.39	1.09	3.39	3.39	1.20	3.39	3.39	1.32	3.39	3.39	1.44	3.39	3.39	1.56	3.39	3.39	1.67
44.9	13	20	4.71	3.99	0.49	4.71	3.99	0.54	4.71	3.99	0.60	4.71	3.99	0.66	4.71	3.99	0.73	4.71	3.99	0.81	4.71	3.99	0.97	4.71	3.99	1.09	4.71	3.99	1.21	4.71	3.99	1.33	4.71	3.99	1.45	4.71	3.99	1.56	4.71	3.99	1.68			
52	14	20	5.40	3.99	0.51	5.40	3.99	0.57	5.40	3.99	0.63	5.40	3.99	0.69	5.40	3.99	0.76	5.40	3.99	0.83	5.40	3.99	0.98	5.40	3.99	1.10	5.40	3.99	1.22	5.40	3.99	1.33	5.40	3.99	1.45	5.31	3.94	1.57	5.03	3.80	1.68			
22.9	11	22	3.38	3.38	0.44	3.38	3.38	0.48	3.38	3.38	0.53	3.38	3.38	0.59	3.38	3.38	0.66	3.38	3.38	0.75	3.38	3.38	0.85	3.38	3.38	0.95	3.38	3.38	1.09	3.38	3.38	1.20	3.38	3.38	1.32	3.38	3.38	1.44	3.38	3.38	1.56	3.38	3.38	1.67
34.8	13	22	4.69	4.52	0.49	4.69	4.52	0.54	4.69	4.52	0.60	4.69	4.52	0.66	4.69	4.52	0.73	4.69	4.52	0.81	4.69	4.52	0.97	4.69	4.52	1.09	4.69	4.52	1.21	4.69	4.52	1.33	4.69	4.52	1.45	4.69	4.52	1.56	4.69	4.52	1.68			
47.6	15	22	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 Capacity tables

## 4 - 2 Cooling/Heating Capacity Tables

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

Heating

·50· Hz ·220 - 240· V

AFR	15,0
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Indoor temperature		Outdoor temperature [°C WB]											
EWB	EDB	-15		-10		-5		0		6		10	
	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	20	1,90	0,73	2,29	0,77	2,67	0,81	3,06	0,84	4,14	0,89	4,50	0,92
20,0	20	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	20	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	20	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	20	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	20	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 [m<sup>3</sup>/min]
- BF: Bypass factor
- EWB: Entering wet-bulb temperature (°C WB)
- EDB: Entering dry-bulb temperature (°C DB)
- TC: Total capacity [kW]
- SHC: Sensible heat capacity [kW]
- PI: Power input [kW]

Notes

- 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.

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### 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	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
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Indoor temperature		Outdoor temperature [°C WB]											
EWB	EDB	-15		-10		-5		0		6		10	
	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	20	1,90	0,75	2,29	0,79	2,67	0,82	3,06	0,86	4,14	0,91	4,50	0,94
20,0	20	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	20	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	20	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	20	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	20	1,62	0,80	2,01	0,84	2,39	0,88	2,77	0,91	3,81	0,96	4,17	0,99

Symbols

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

Notes

- 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

# 4 Capacity tables

## 4 - 2 Cooling/Heating Capacity Tables

4

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

### 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
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	20	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	25	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	27	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	30	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	32	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	32	1,62	0,93	2,01	0,97	2,39	1,01	2,77	1,06	3,81	1,11	4,17	1,15

Symbols

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

Notes

- 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.

3D120375



# 4 Capacity tables

## 4 - 2 Cooling/Heating Capacity Tables

### RZAG35A / FHA35A9

Cooling

·50· Hz ·220 - 240· V

AFR	14,0
BF	0,16

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

Heating

·50· Hz ·220 - 240· V

AFR	14,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB °C	°C	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	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	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	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	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	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	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

### RZAG35A / FNA35A9

Cooling

50 Hz

220 - 240 V

AFR	8,7
BF	0,16

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

Heating

50 Hz

220 - 240 V

AFR	8,7
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Indoor temperature		Outdoor temperature [°C WB]											
EDB °C	°C	-15		-10		-5		0		6		10	
		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

# 4 Capacity tables

## 4 - 2 Cooling/Heating Capacity Tables

4

### RZAG50A/FBA50A9

Cooling ·50· Hz ·220 - 240· V

AFR	15,0
BF	0,12

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

Heating ·50· Hz ·220 - 240· V

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

Symbols

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

Notes

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

3D120369

### RZAG50A/FCAG50A

Cooling ·50· Hz ·220 - 240· V

AFR	12,6
BF	0,21

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

Heating ·50· Hz ·220 - 240· V

AFR	12,6
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Indoor temperature		Outdoor temperature [°C WB]											
EDB °C	°C	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		2,76	1,26	3,32	1,32	3,88	1,39	4,43	1,45	6,00	1,53	6,52	1,58
20,0		2,59	1,29	3,15	1,36	3,71	1,42	4,26	1,49	5,80	1,56	6,32	1,61
22,0		2,52	1,31	3,08	1,37	3,64	1,44	4,19	1,50	5,72	1,58	6,24	1,63
24,0		2,46	1,32	3,01	1,39	3,57	1,45	4,13	1,51	5,64	1,59	6,16	1,64
25,0		2,42	1,33	2,98	1,39	3,54	1,46	4,09	1,52	5,60	1,60	6,12	1,65
27,0		2,35	1,34	2,91	1,41	3,47	1,47	4,02	1,54	5,52	1,61	6,04	1,62

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

# 4 Capacity tables

## 4 - 2 Cooling/Heating Capacity Tables

### 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

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

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

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

# 4 Capacity tables

## 4 - 2 Cooling/Heating Capacity Tables

4

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

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

**Notes**

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

3D120387

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

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

**Notes**

- 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

# 4 Capacity tables

## 4 - 2 Cooling/Heating Capacity Tables

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

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

3D120377

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

**Symbols**

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

**Notes**

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

3D120370

# 4 Capacity tables

## 4 - 2 Cooling/Heating Capacity Tables

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

Symbols

- AFR: Air flow rate [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.

3D120373

### 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		
		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	
		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

# 4 Capacity tables

## 4 - 2 Cooling/Heating Capacity Tables

### 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	°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	1,66	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

### 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.

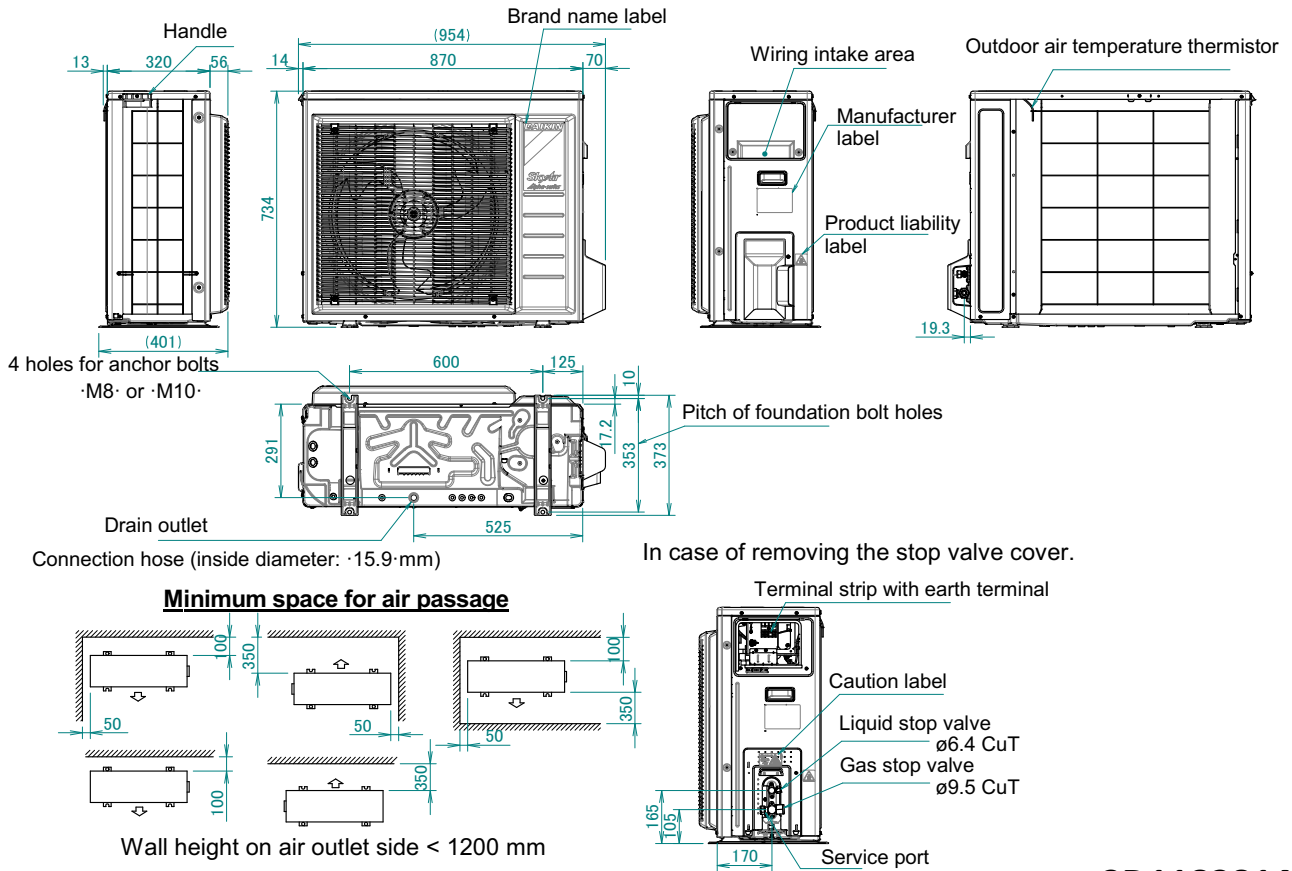
3D120391

# 5 Dimensional drawings

## 5 - 1 Dimensional Drawings

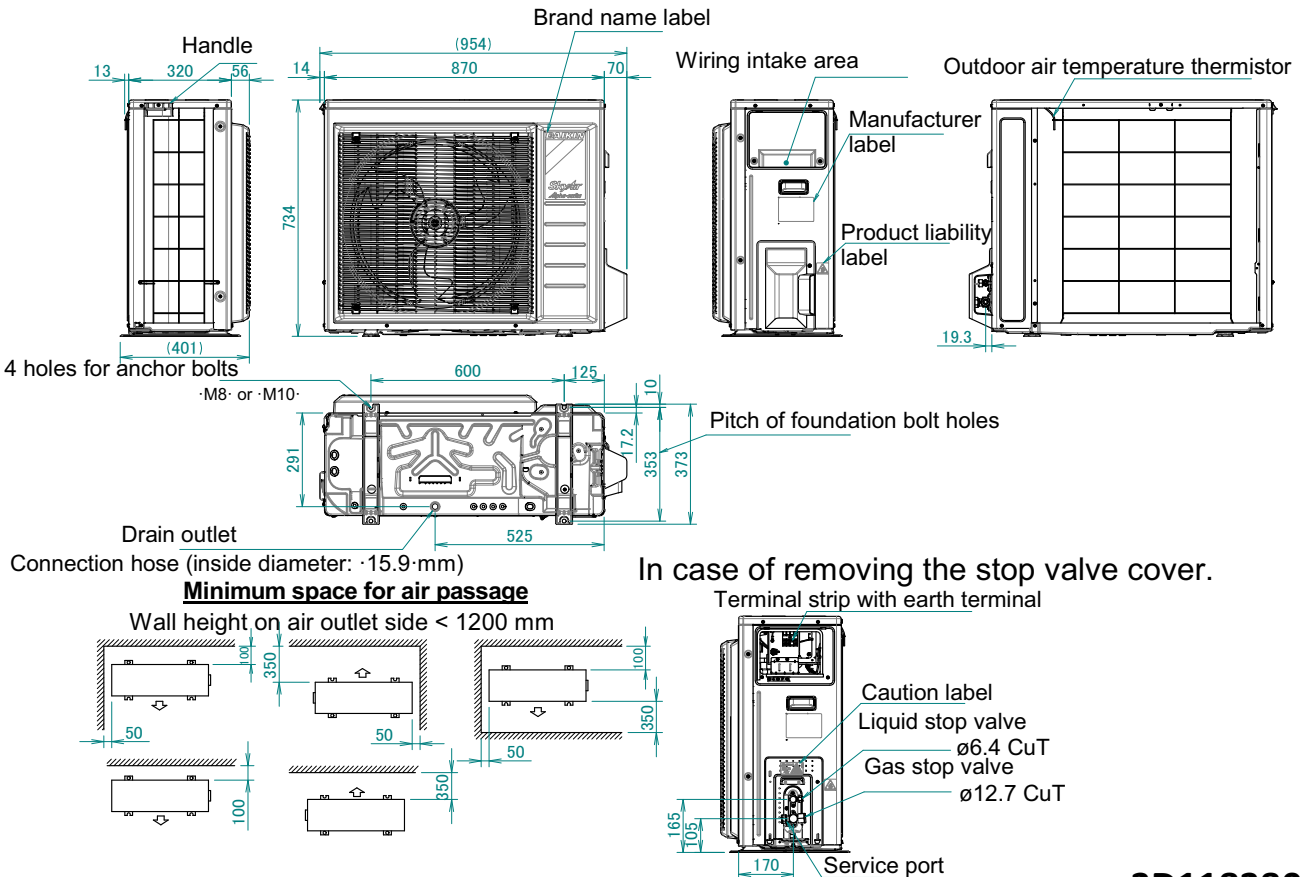
5

### RZAG35A



3D118381A

### RZAG50-60A



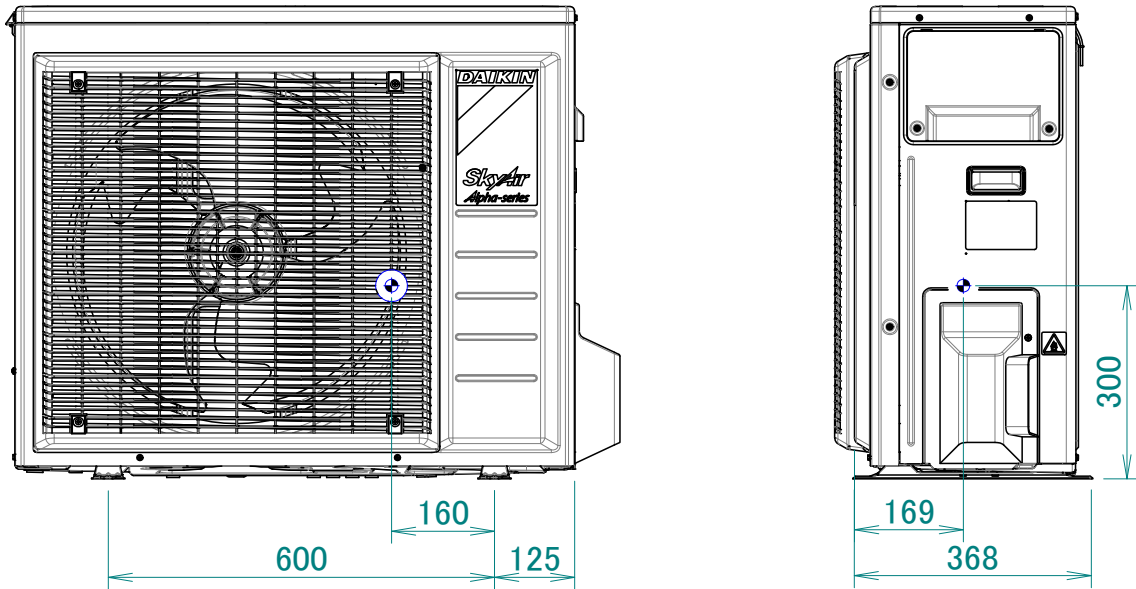
3D118380A



## 6 Centre of gravity

### 6 - 1 Centre of Gravity

RZAG35-60A

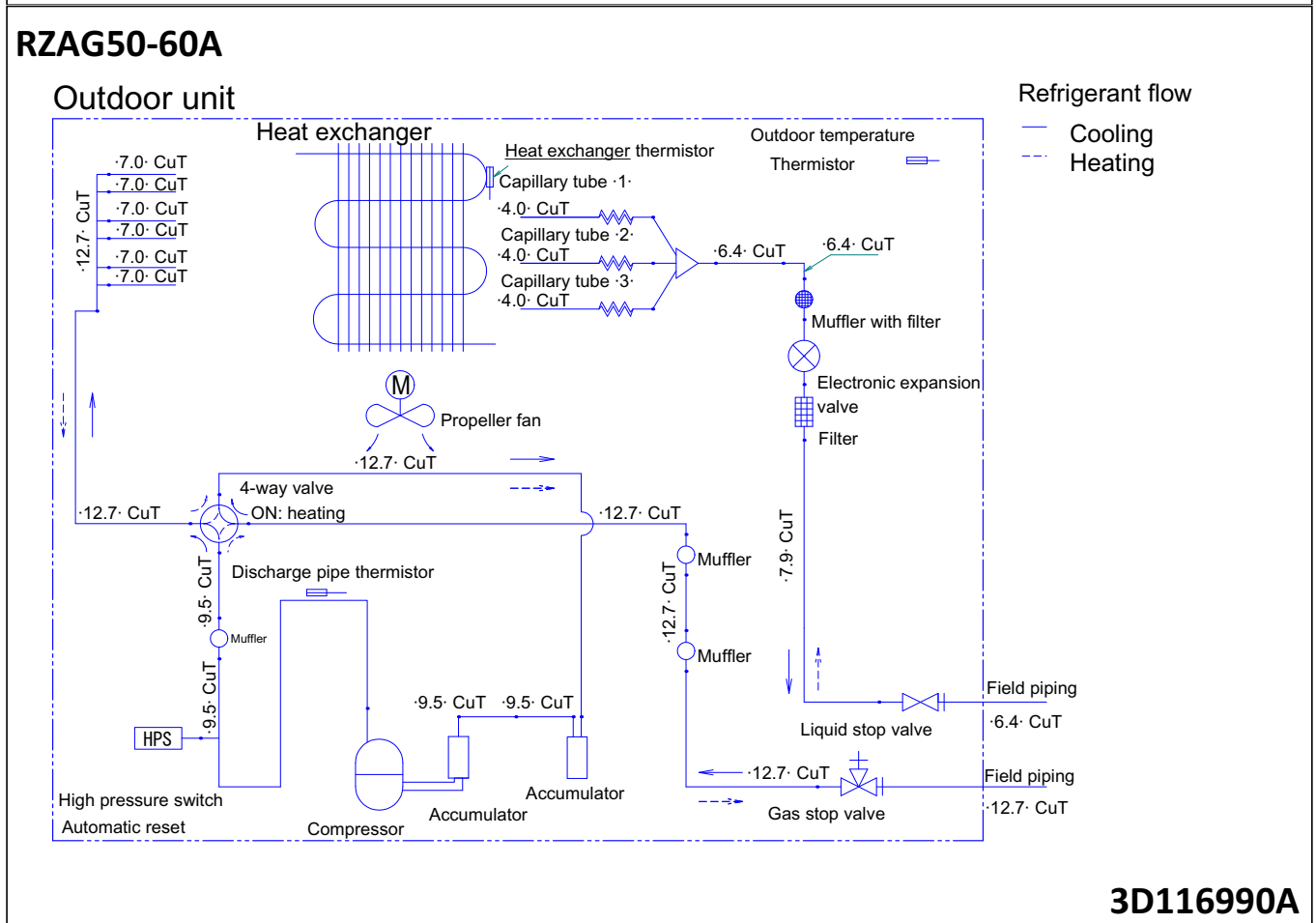
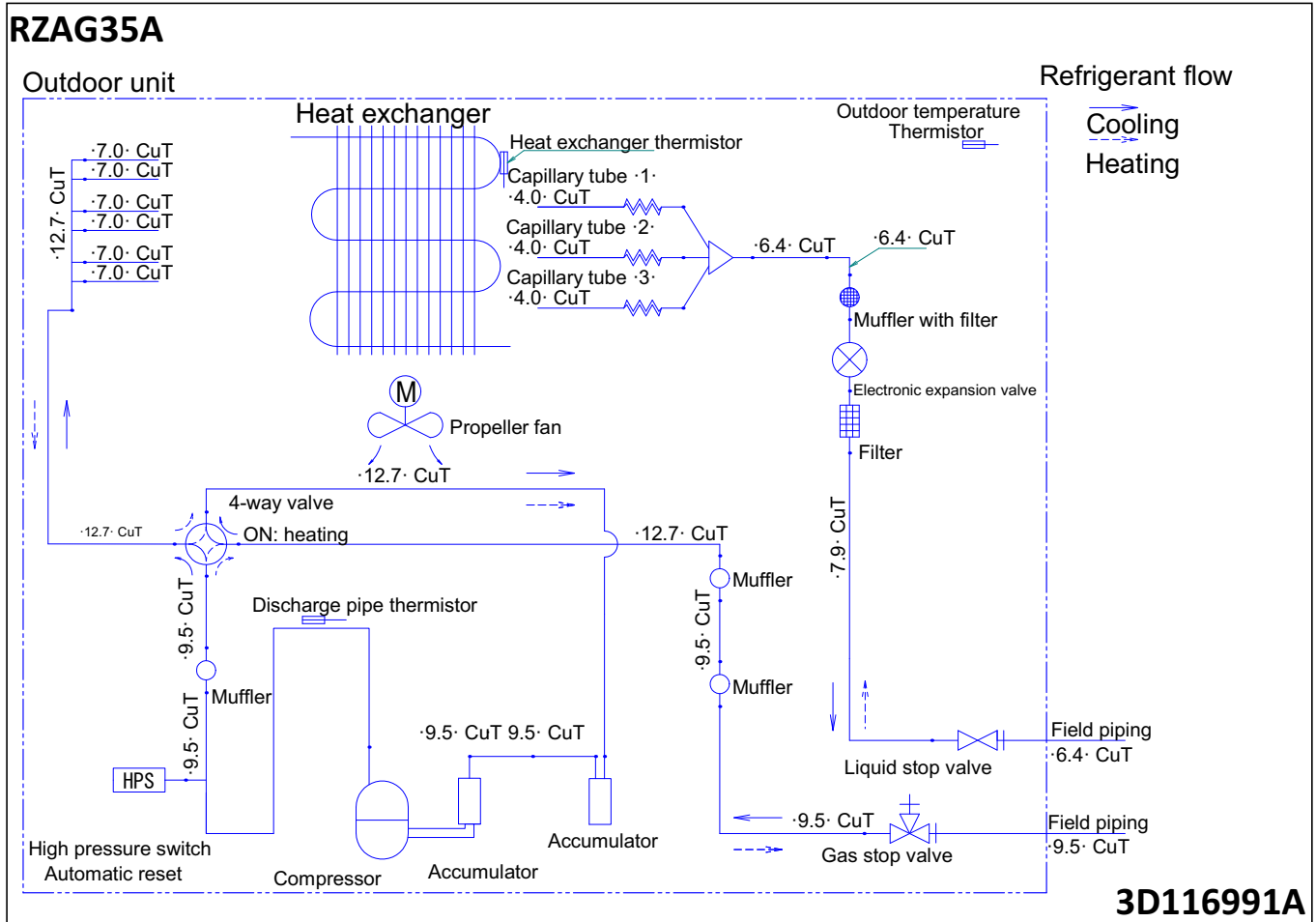


4D118389

# 7 Piping diagrams

## 7 - 1 Piping Diagrams

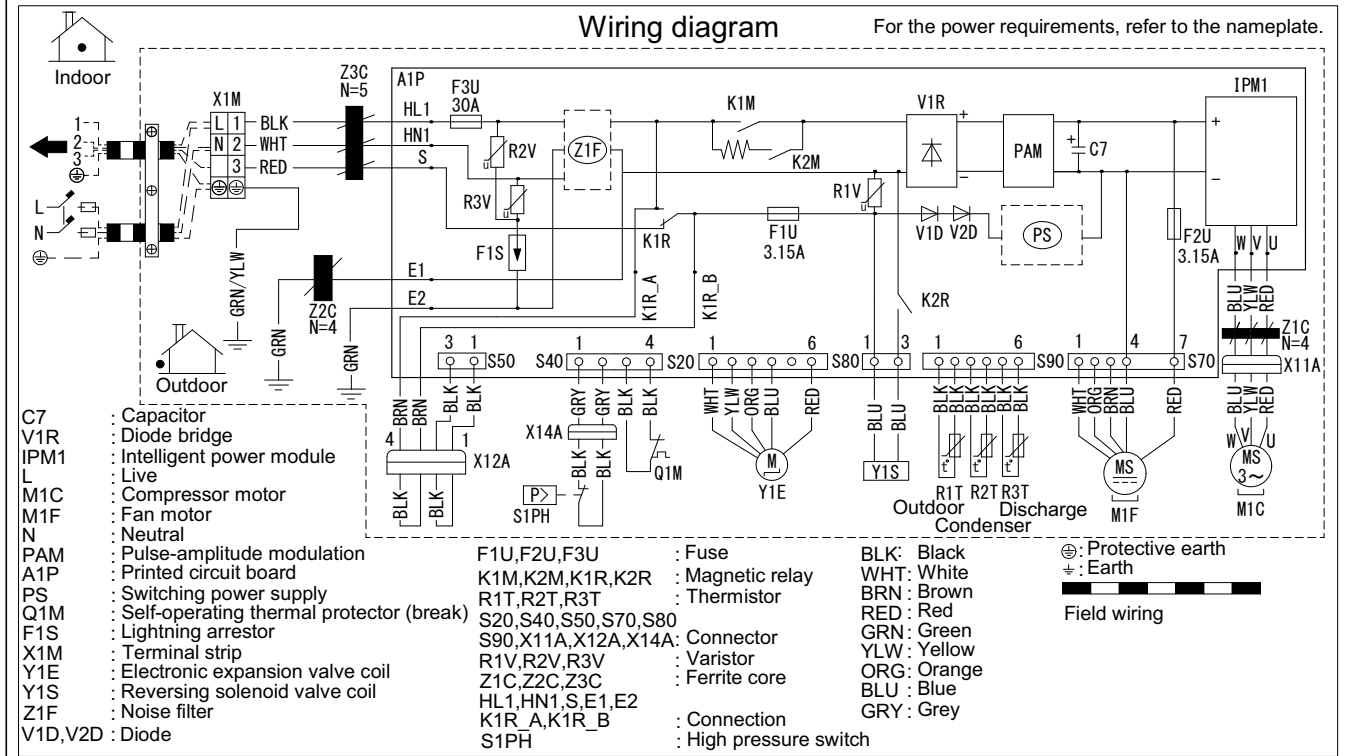
7



# 8 Wiring diagrams

## 8 - 1 Wiring Diagrams - Three Phase

### RZAG35-60A



**NOTES:**

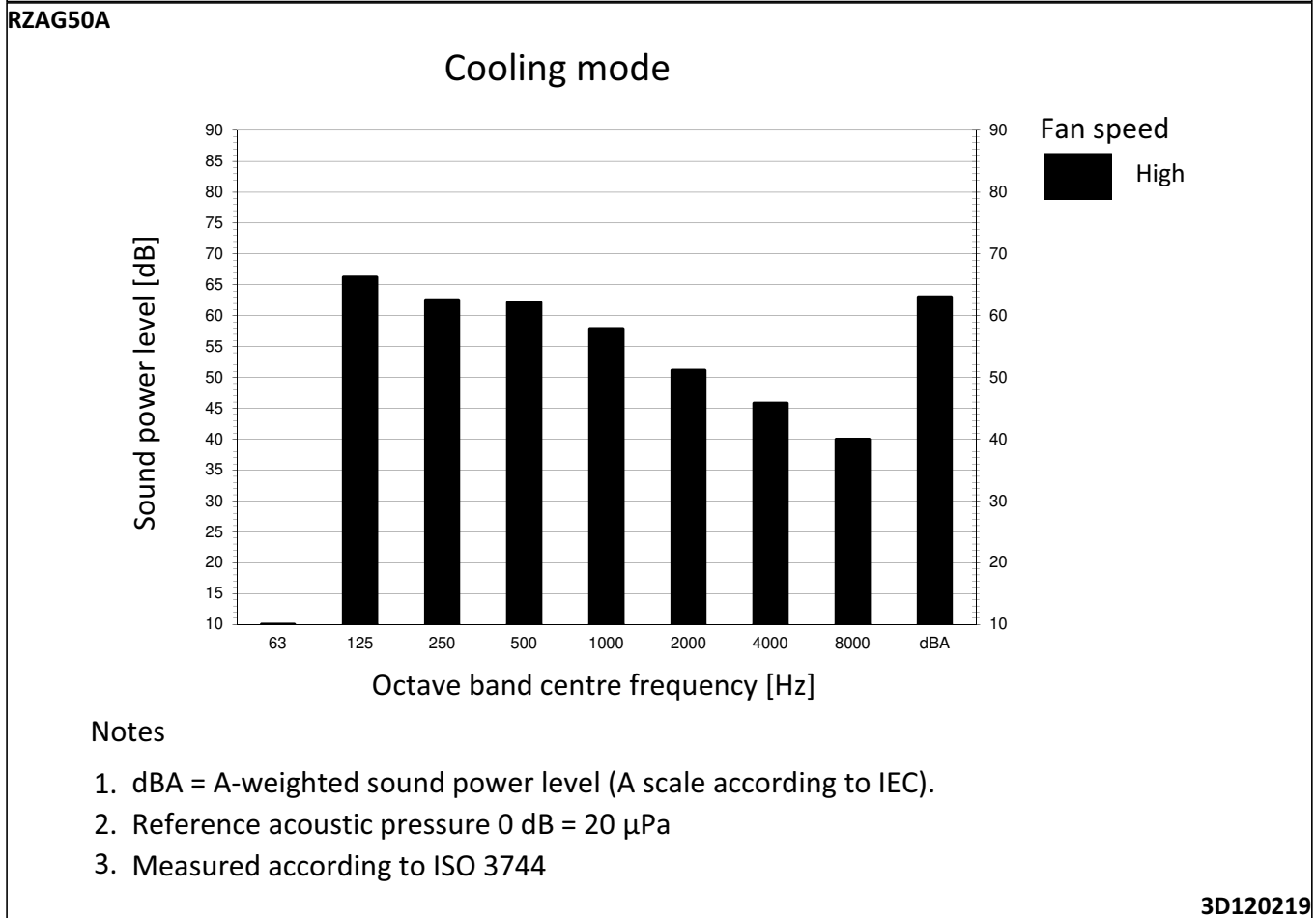
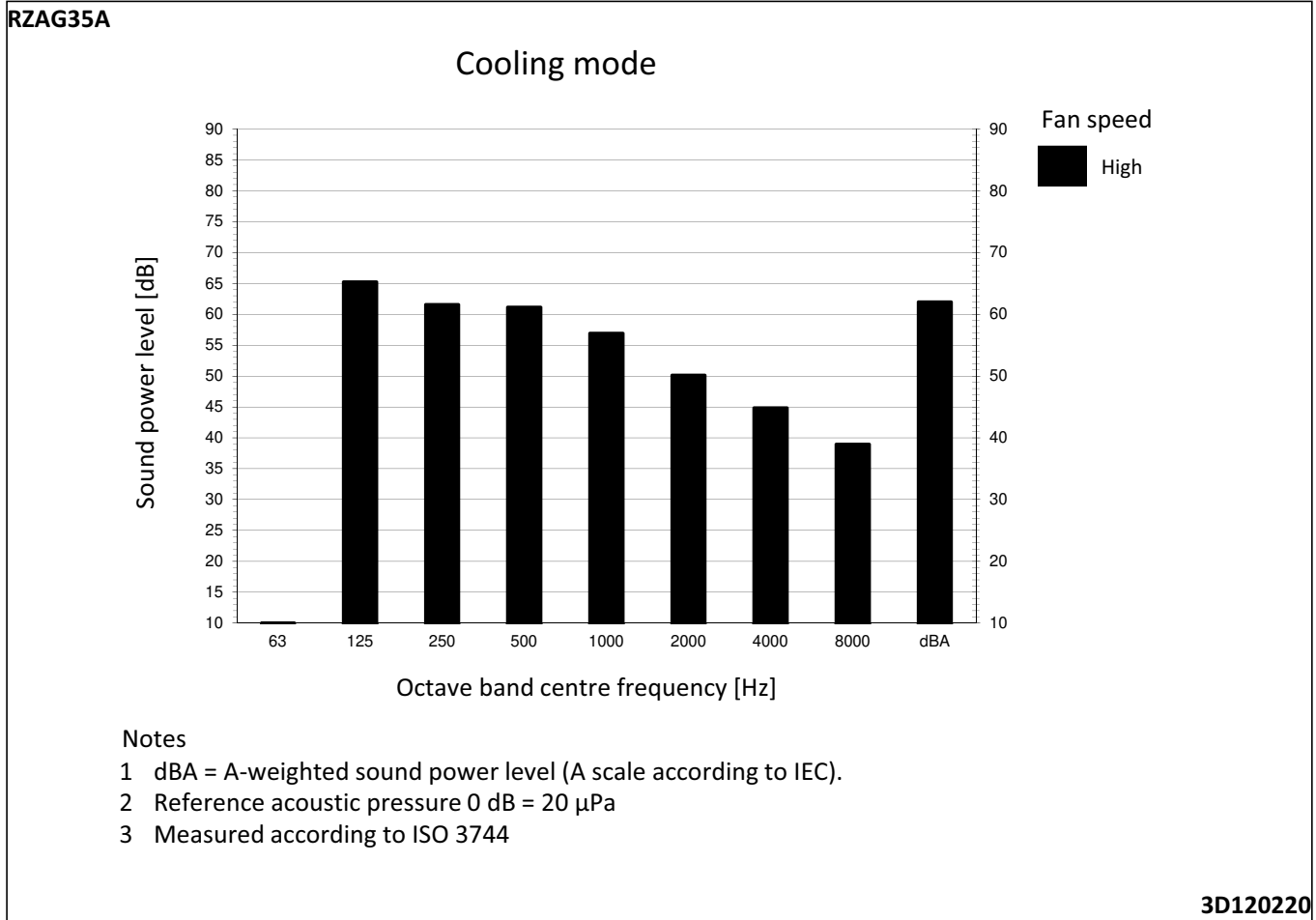
1. Size: length 105 x width 185.
2. Refer to purchasing specification AS303002 unless otherwise specified.

**3D117016**

# 9 Sound data

## 9 - 1 Sound Power Spectrum

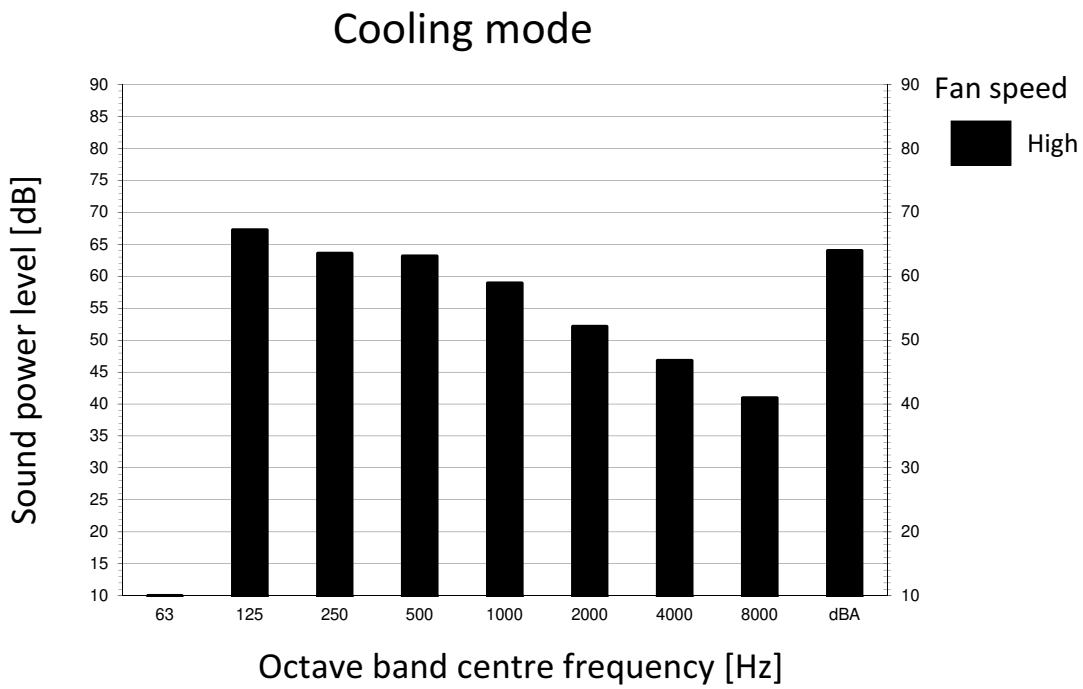
9



## 9 Sound data

### 9 - 1 Sound Power Spectrum

RZAG60A



**Notes**

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

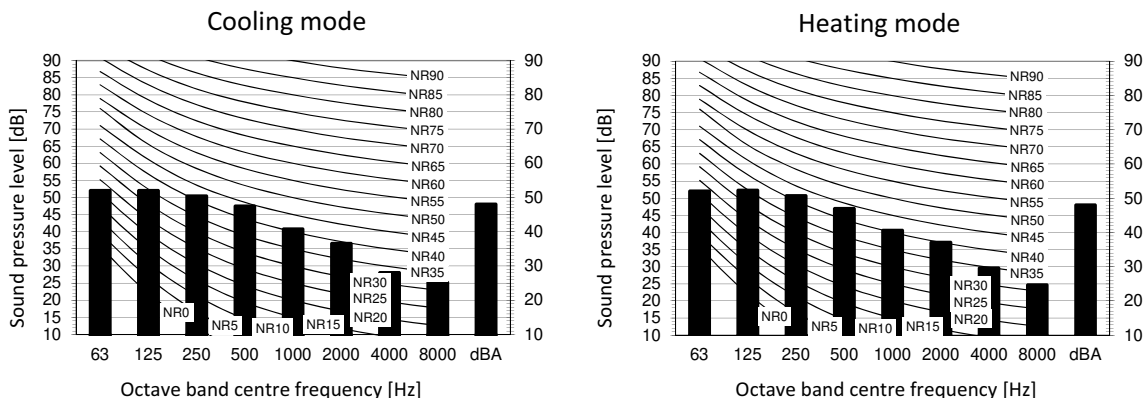
3D120196

# 9 Sound data

## 9 - 2 Sound Pressure Spectrum

9

### RZAG35A



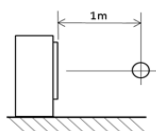
**Legend**

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

A Scale

B Fan speed: High

Location of microphone

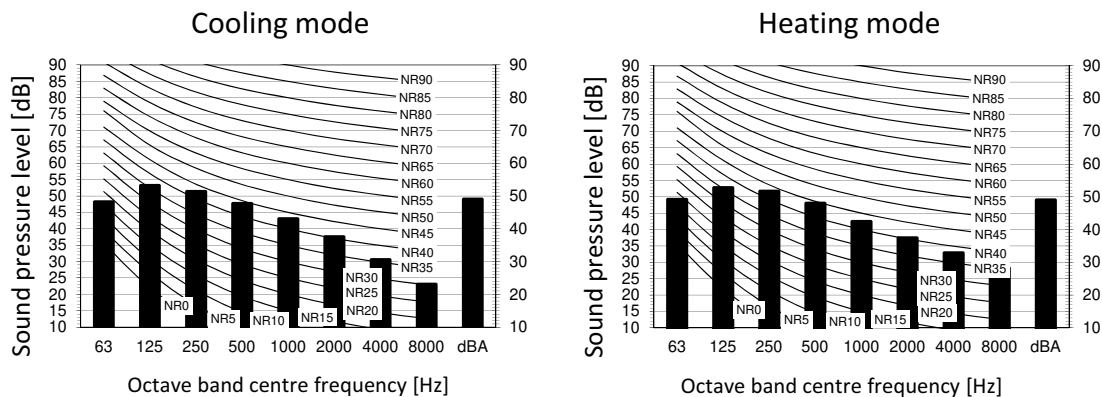


**Notes**

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

3D120183

### RZAG50A



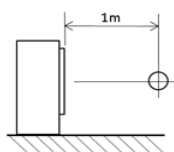
**Legend**

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

A Scale

B Fan speed: High

Location of microphone



**Notes**

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

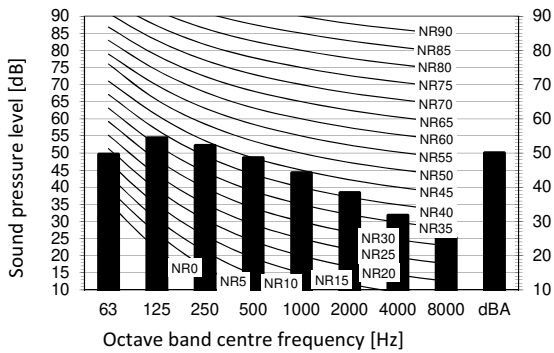
3D120184

# 9 Sound data

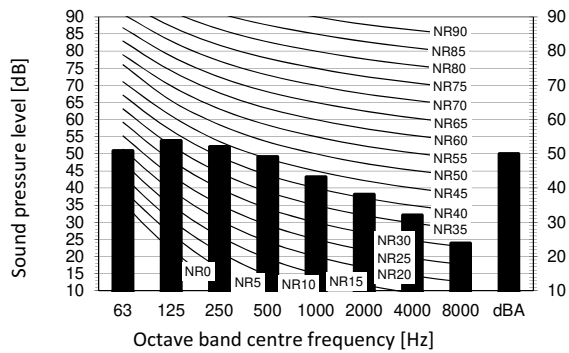
## 9 - 2 Sound Pressure Spectrum

RZAG60A

Cooling mode



Heating mode

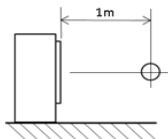


**Legend**

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

- A Scale
- B  Fan speed: High

**Location of microphone**



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

Heating		Total dB	
A	B	A	B
dBA		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

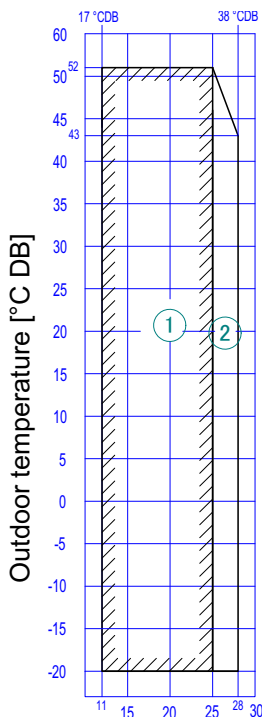
3D120185

# 10 Operation range

## 10 - 1 Operation Range

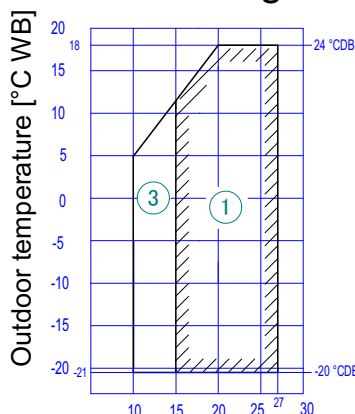
10

### RZAG35-60A Cooling



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

### Heating



Notes

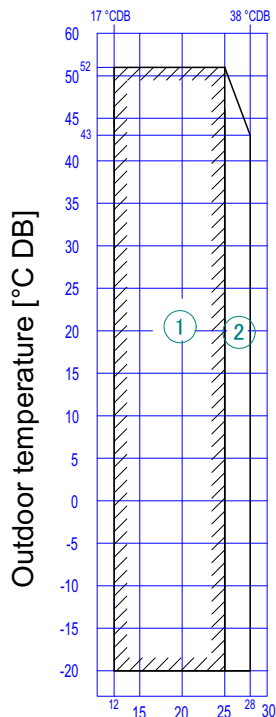
Indoor temperature [°C WB]

Indoor temperature [°C DB]

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

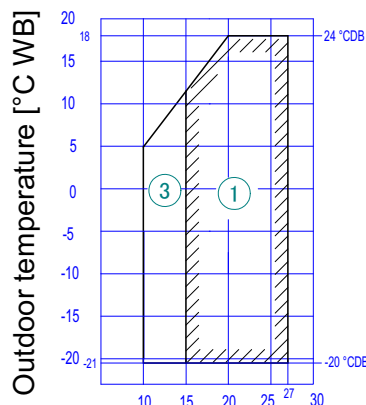
**3D120009**

### RZAG35-60A Cooling



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

### Heating



Notes

Indoor temperature [°C WB]

Indoor temperature [°C DB]

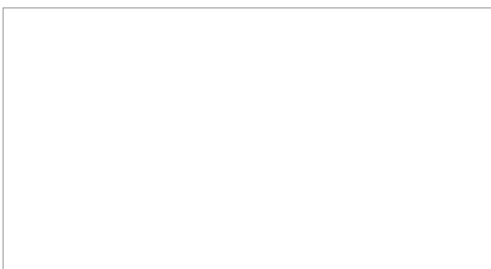
1. Depending on operation and installation conditions, the indoor unit can change over to freeze-up operation (indoor de-icing).
2. To reduce the freeze-up operation (indoor de-icing) frequency, it is recommended to install the outdoor unit in a location not exposed to wind.

**3D120010**





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