

Air Conditioning
Technical Data

RZAG-MV1



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RZAG-MV1

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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
- The perfect balance in efficiency and comfort thanks to Variable Refrigerant Temperature: top seasonal efficiency throughout most of the year and quick reaction speed on the hottest days.
- 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
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- Maximum piping length up to 85m
- Outdoor units for pair, twin, triple, double twin application



Infrastructure cooling



Inverter



Auto cooling-heating changeover

2 Specifications

2-1 Capacity and Power input			FCAHG100G/ RZAG71MV1	FCAHG71G/ RZAG71MV1	FCAHG140G/ RZAG100MV1	FCAHG100G/ RZAG100MV1	FCAHG125G/ RZAG125MV1	FCAHG140G/ RZAG140MV1		
Indoor unit			FCAHG100GV EB	FCAHG71GV EB	FCAHG140GV EB	FCAHG100GV EB	FCAHG125GV EB	FCAHG140GV EB		
Outdoor unit			RZAG71M7V1B		RZAG100M7V1B		RZAG125M7V 1B	RZAG140M7V 1B		
Cooling capacity	Nom.	kW	6.80 (1)		9.50 (1)		12.1 (1)	13.4 (1)		
Heating capacity	Nom.	kW	7.50 (2)		10.8 (2)		13.5 (2)	15.5 (2)		
Space cooling	Energy efficiency class		A++				-			
	Capacity	Pdesign	kW		6.80		9.50	12.1	13.4	
	SEER		7.05	7.72	7.93	7.35	8.02	7.93		
	ηs,c		%				318	314		
	Annual energy consumption		kWh/a		338	308	419	452	905	1,014
	A Condition (35°C - 27/19)	Pdc	kW		6.80		9.50		12.10	13.40
		EERd		4.41	4.39	4.80	5.06	4.30	3.89	
		Power input		1.54	1.55	1.98	1.88	2.81	3.44	
	B Condition (30°C - 27/19)	Pdc	kW		5.02		7.00		8.92	9.88
		EERd		6.20	6.12	6.45	5.80	6.36	6.20	
		Power input		0.81	0.82	1.09	1.21	1.40	1.59	
	C Condition (25°C - 27/19)	Pdc	kW		3.23		4.50	4.52	5.74	6.35
		EERd		8.70	10.10	10.21	9.22	9.36	9.38	
		Power input		0.37	0.32	0.44	0.49	0.61	0.68	
	D Condition (20°C - 27/19)	Pdc	kW		3.16		4.13	4.32	4.26	4.31
		EERd		11.02	13.62	11.91	11.03	12.48	12.63	
		Power input		0.29	0.23	0.35	0.39	0.34		
Space heating (Average climate)	Energy efficiency class		A+	A++				-		
	Capacity	Pdesign	kW		4.70		9.52			
	SCOP/A		4.20	4.61	4.70	4.81	4.53	4.44		
	SCOPnet/A		4.20	4.61	4.70	4.81	4.53	4.44		
	ηs,h		%				178	175		
	Annual energy consumption		kWh/a		1,567	1,427	2,836	2,771	2,942	3,002
	Required back up heating cap at design conditions		kW		0.00					
	TOL	Tol (temperature operating limit)	°C		-10					
		Pdh (declared heating cap)	kW		4.70		9.52			
		COPd (declared COP)		2.62	2.59	2.25	2.24	2.02	2.07	
		Power input		1.80	1.82	4.23	4.25	4.72	4.60	
	TBivalent	Tbiv (bivalent temperature)	°C		-10					
		Pdh (declared heating cap)	kW		4.70		9.52			
		COPd (declared COP)		2.62	2.59	2.25	2.24	2.02	2.07	
		Power input		1.80	1.82	4.23	4.25	4.72	4.60	
	A Condition (-7°C)	Pdh (declared heating cap)	kW		4.16		8.42			
		COPd (declared COP)		2.96	2.97	2.72	2.73	2.49	2.51	
		Power input		1.40		3.09	3.08	3.39	3.35	
	B Condition (2°C)	Pdh (declared heating cap)	kW		2.53		5.13			
		COPd (declared COP)		4.28	4.67	4.99	5.03	4.85	4.76	
		Power input		0.59	0.54	1.03	1.02	1.06	1.08	
	C Condition (7°C)	Pdh (declared heating cap)	kW		2.19	2.08	3.30		3.55	3.30
		COPd (declared COP)		5.12	5.91	5.71	5.85	5.68	5.39	
		Power input		0.43	0.35	0.58	0.56	0.63	0.61	
	D Condition (12°C)	Pdh (declared heating cap)	kW		2.63	2.51	3.45	1.46	4.16	3.42
		COPd (declared COP)		6.63	7.72	7.18	7.35	7.03	6.77	
		Power input		0.40	0.33	0.48	0.20	0.59	0.50	
Pto (Thermostat off)		W	12 / 0				-			

2 Specifications

2-1 Capacity and Power input					FCAHG100G/ RZAG71MV1	FCAHG71G/ RZAG71MV1	FCAHG140G/ RZAG100MV1	FCAHG100G/ RZAG100MV1	FCAHG125G/ RZAG125MV1	FCAHG140G/ RZAG140MV1
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					
Ecolabel logo					No					
Power consumption in other than active mode	Off mode		POFF		W		12			
	Standby mode	Cooling	PSB	W		12				
		Heating	PSB	W		12				
	Thermostat-off mode	PTO	Heating	W		-		12		
			Cooling	W		-		0		
	Crankcase heater mode		PCK		W		0			
Indication if the heater is equipped with a supplementary heater (pair application)					-				No	

Notes

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m.

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

Cooling: T2: indoor temp. 26,6°CDB, 19,4°CWB, outdoor temp. 48°CDB [Btu/hr/W]

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m

Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m

2-2 Capacity and Power input			FCAG100A/ RZAG71MV1	FCAG71A/ RZAG71MV1	FCAG140A/ RZAG100MV1	FCAG100A/ RZAG100MV1	FCAG125A/ RZAG125MV1	FCAG140A/ RZAG140MV1	
Indoor unit			FCAG100AVE B	FCAG71AVEB	FCAG140AVE B	FCAG100AVE B	FCAG125AVE B	FCAG140AVE B	
Outdoor unit			RZAG71M7V1B		RZAG100M7V1B		RZAG125M7V 1B	RZAG140M7V 1B	
Cooling capacity	Nom.	kW	6.80 (1)		9.50 (1)		12.1 (1)	13.4 (1)	
Heating capacity	Nom.	kW	7.50 (2)		10.8 (2)		13.5 (2)	15.5 (2)	
Space cooling	Energy efficiency class		A++				-		
	Capacity	Pdesign	kW	6.80		9.50		12.1	13.4
	SEER		7.50	6.86	7.86	7.14	7.80	7.17	
	ηs,c		%	-				309	284
	Annual energy consumption		kWh/a	317	347	423	466	931	1,121
	A Condition (35°C - 27/19)	Pdc	kW	6.80		9.50		12.10	13.40
		EERd		4.34	3.83	4.45	4.42	3.82	3.18
		Power input	kW	1.57	1.78	2.13	2.15	3.17	4.21
	B Condition (30°C - 27/19)	Pdc	kW	5.02		7.00		8.92	9.88
		EERd		6.20	5.80	6.41	5.58	5.72	4.94
		Power input	kW	0.81	0.87	1.09	1.25	1.56	2.00
	C Condition (25°C - 27/19)	Pdc	kW	3.44	3.23	4.50		5.74	6.35
		EERd		9.76	8.65	9.50	8.39	8.94	8.59
		Power input	kW	0.35	0.37	0.47	0.54	0.64	0.74
	D Condition (20°C - 27/19)	Pdc	kW	3.62	2.90	4.13	3.81	4.69	3.95
		EERd		12.55	11.34	13.68	12.64	15.10	14.21
		Power input	kW	0.29	0.26	0.30		0.31	0.28

2 Specifications

2-2 Capacity and Power input					FCAG100A/ RZAG71MV1	FCAG71A/ RZAG71MV1	FCAG140A/ RZAG100MV1	FCAG100A/ RZAG100MV1	FCAG125A/ RZAG125MV1	FCAG140A/ RZAG140MV1	
Space heating (Average climate)	Energy efficiency class				A+		A++		-		
	Capacity	Pdesign	kW	4.70		7.80		9.52			
	SCOP/A				4.45	4.41	4.66	4.61	4.34		
	SCOPnet/A				4.45	4.41	4.66	4.61	4.34		
	ηs,h			%	-				171		
	Annual energy consumption			kWh/a	1,479	1,492	2,343	2,369	3,071		
	Required back up heating cap at design conditions			kW	0.00						
	TOL	Tol (temperature operating limit)	°C	-10							
		Pdh (declared heating cap)	kW	4.70		7.80		9.52			
		COPd (declared COP)		2.52	2.42	2.26	2.15	1.87			
		Power input	kW	1.86	1.94	3.45	3.63	5.09			
	TBivalent	Tbiv (bivalent temperature)	°C	-10							
		Pdh (declared heating cap)	kW	4.70		7.80		9.52			
		COPd (declared COP)		2.52	2.42	2.26	2.15	1.87			
		Power input	kW	1.86	1.94	3.45	3.63	5.09			
	A Condition (-7°C)	Pdh (declared heating cap)	kW	4.16	4.41	6.90		8.42			
		COPd (declared COP)		2.92	2.67	2.69	2.60	2.28			
		Power input	kW	1.42	1.65	2.56	2.65	3.69			
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.53		4.20		5.13			
		COPd (declared COP)		4.53	4.52	4.87	4.81	4.63			
		Power input	kW	0.56		0.86	0.87	1.11			
	C Condition (7°C)	Pdh (declared heating cap)	kW	2.07	1.94	2.90	2.70	3.30			
		COPd (declared COP)		5.64	5.75	5.86	5.89	5.56			
		Power input	kW	0.37	0.34	0.50	0.46	0.59			
	D Condition (12°C)	Pdh (declared heating cap)	kW	2.47	2.31	3.38	3.23	3.30			
		COPd (declared COP)		7.08	7.15	7.40	7.38	7.02			
		Power input	kW	0.35	0.32	0.46	0.44	0.47			
Pto (Thermostat off)			W	12 / 0				-			
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						
Ecolabel logo					No						
Power consumption in other than active mode	Off mode	POFF		W	12						
	Standby mode	Cooling	PSB	W	12						
		Heating	PSB	W	12						
	Thermostat-off mode	PTO	Heating	W	-			12			
			Cooling	W	-			0			
	Crankcase heater mode	PCK		W	0						
	Indication if the heater is equipped with a supplementary heater (pair application)					-				No	

2 Specifications

Notes

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m.

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

Cooling: T2: indoor temp. 26,6°CDB, 19,4°CWB, outdoor temp. 48°CDB [Btu/hr/W]

Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m

2-3 Capacity and Power input			FBA71A/ RZAG71MV1	FBA100A/ RZAG71MV1	FBA100A/ RZAG100MV1	FBA140A/ RZAG100MV1	FBA125A/ RZAG125MV1	FBA140A/ RZAG140MV1
Indoor unit			FBA71A2VEB	FBA100A2VEB		FBA140A2VE B	FBA125A2VE B	FBA140A2VE B
Outdoor unit			RZAG71M7V1B		RZAG100M7V1B		RZAG125M7V 1B	RZAG140M7V 1B
Cooling capacity	Nom.	kW	6.80 (1)		9.50 (1)		12.1 (1)	13.4 (1)
Heating capacity	Nom.	kW	7.50 (2)		10.8 (2)		13.5 (2)	15.5 (2)
Space cooling	Energy efficiency class		A++	A+	A++		-	
	Capacity	Pdesign	kW		6.80		12.1	13.4
	SEER		6.22	5.81	6.47	6.39	6.19	6.42
	η _{s,c}		%		-		245	254
	Annual energy consumption		kWh/a		382		410	514
	A Condition (35°C - 27/19)	P _{dc}	kW		6.80		9.50	12.10
		EER _d	3.66		3.93		4.20	4.16
		Power input	kW		1.86		1.73	2.26
	B Condition (30°C - 27/19)	P _{dc}	kW		5.02		7.00	8.92
		EER _d	5.60		5.31		5.37	5.51
		Power input	kW		0.90		0.94	1.30
	C Condition (25°C - 27/19)	P _{dc}	kW		3.23		4.50	5.74
		EER _d	7.75		7.09		7.67	7.59
		Power input	kW		0.42		0.46	0.59
	D Condition (20°C - 27/19)	P _{dc}	kW		2.89		3.04	4.20
		EER _d	9.60		8.34		10.40	9.76
		Power input	kW		0.30		0.36	0.40

2 Specifications

2-3 Capacity and Power input					FBA71A/ RZAG71MV1	FBA100A/ RZAG71MV1	FBA100A/ RZAG100MV1	FBA140A/ RZAG100MV1	FBA125A/ RZAG125MV1	FBA140A/ RZAG140MV1	
Space heating (Average climate)	Energy efficiency class				A+				-		
	Capacity	Pdesign	kW		4.70		7.80		9.52		
	SCOP/A				4.20	4.06	4.36	4.20	4.12	4.11	
	SCOPnet/A				4.20	4.06	4.36	4.20	4.12	4.11	
	ηs,h		%		-				162	161	
	Annual energy consumption		kWh/a		1,566	1,621	2,505	2,600	3,235	3,243	
	Required back up heating cap at design conditions		kW		0.00						
	TOL	Tol (temperature operating limit)	°C		-10						
		Pdh (declared heating cap)	kW		4.70		7.80		9.52		
		COPd (declared COP)		2.42	2.54	2.28	2.27	1.84	1.95		
		Power input	kW	1.94	1.85	3.42	3.44	5.17	4.88		
	TBivalent	Tbiv (bivalent temperature)	°C		-10						
		Pdh (declared heating cap)	kW		4.70		7.80		9.52		
		COPd (declared COP)		2.42	2.54	2.28	2.27	1.84	1.95		
		Power input	kW	1.94	1.85	3.42	3.44	5.17	4.88		
	A Condition (-7°C)	Pdh (declared heating cap)	kW		4.16		6.90		8.42		
		COPd (declared COP)		2.78	2.90	2.79	2.72	2.33	2.35		
		Power input	kW	1.50	1.43	2.47	2.54	3.61	3.58		
	B Condition (2°C)	Pdh (declared heating cap)	kW		2.53	2.69	4.20		5.13		
		COPd (declared COP)		4.31	4.19	4.60	4.47	4.38	4.43		
		Power input	kW	0.59	0.64	0.91	0.94	1.17	1.16		
	C Condition (7°C)	Pdh (declared heating cap)	kW		2.08	2.24	2.87	2.95	3.55	3.30	
		COPd (declared COP)		5.29	4.90	5.09	4.82	5.12	4.94		
		Power input	kW	0.39	0.46	0.56	0.61	0.69	0.67		
	D Condition (12°C)	Pdh (declared heating cap)	kW		2.46	2.66	3.34	3.42	4.16	3.44	
		COPd (declared COP)		6.48	6.09	6.36	5.91	6.45	6.06		
		Power input	kW	0.38	0.44	0.53	0.58	0.65	0.57		
	Pto (Thermostat off)			W	14 / 0				-		
	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					
	Ecolabel logo					No					
Power consumption in other than active mode	Thermostat-off mode	PTO	Heating	W	-			14			
			Cooling	W	-			0			
	Standby mode	Cooling	PSB	W	14						
		Heating	PSB	W	14						
	Crankcase heater mode	PCK		W	0						
	Off mode	POFF		W	14						
Indication if the heater is equipped with a supplementary heater (pair application)					-				No		

2 Specifications

Notes

(1) Cooling: T2: indoor temp. 26,6°CDB, 19,4°CWB, outdoor temp. 48°CDB [Btu/hr/W]

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m.

Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m

2-4 Capacity and Power input				FDA125A/RZAG125MV1
Indoor unit				FDA125A5VEB
Outdoor unit				RZAG125M7V1B
Cooling capacity	Nom.	kW		12.1 (1)
Heating capacity	Nom.	kW		13.5 (2)
Space cooling	Capacity	Pdesign	kW	12.1
	SEER			6.59
	ηs,c			261
	Annual energy consumption			1,102
	A Condition (35°C - 27/19)	Pdc	kW	12.10
		EERd		3.81
		Power input	kW	3.17
	B Condition (30°C - 27/19)	Pdc	kW	8.92
		EERd		5.42
		Power input	kW	1.65
	C Condition (25°C - 27/19)	Pdc	kW	5.74
		EERd		7.55
		Power input	kW	0.76
	D Condition (20°C - 27/19)	Pdc	kW	4.15
		EERd		9.68
		Power input	kW	0.43

2 Specifications

2-4 Capacity and Power input				FDA125A/RZAG125MV1			
Space heating (Average climate)	Capacity	Pdesign		kW	9.52		
	SCOP/A				4.08		
	SCOPnet/A				4.08		
	ηs,h		%		160		
	Annual energy consumption			kWh/a	3,267		
	Required back up heating cap at design conditions			kW	0.00		
	TOL	Tol (temperature operating limit)	°C		-10		
			Pd _h (declared heating cap)	kW	9.52		
					COP _d (declared COP)		1.86
					Power input	kW	5.11
	TBivalent	T _{biv} (bivalent temperature)	°C		-10		
			Pd _h (declared heating cap)	kW	9.52		
					COP _d (declared COP)		1.86
					Power input	kW	5.11
	A Condition (-7°C)	Pd _h (declared heating cap)	kW	8.42			
				COP _d (declared COP)		2.36	
				Power input	kW	3.56	
	B Condition (2°C)	Pd _h (declared heating cap)	kW	5.13			
				COP _d (declared COP)		4.31	
				Power input	kW	1.19	
	C Condition (7°C)	Pd _h (declared heating cap)	kW	3.61			
				COP _d (declared COP)		5.03	
				Power input	kW	0.72	
	D Condition (12°C)	Pd _h (declared heating cap)	kW	4.22			
				COP _d (declared COP)		6.36	
				Power input	kW	0.66	
Cooling	C _{dc} (Degradation cooling)			0.25			
Heating	C _{dh} (Degradation heating)			0.25			
Cooling function included				Yes			
Heating function included				Yes			
Average climate included				Yes			
Cold season included				No			
Warm season included				No			
Ecolabel logo				No			
Power consumption in other than active mode	Off mode	POFF		W	15		
	Standby mode	Cooling	PSB	W	15		
		Heating	PSB	W	15		
	Thermostat-off mode	PTO	Heating	W	15		
			Cooling	W	0		
	Crankcase heater mode	PCK		W	0		
Indication if the heater is equipped with a supplementary heater (pair application)				No			

Notes

(1) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m (horizontal); level difference: 0m

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

2 Specifications

2-5 Capacity and Power input				FAA100A/RZAG71MV1		FAA71A/RZAG71MV1		FAA100A/RZAG100MV1	
Indoor unit				FAA100AUVEB		FAA71AUVEB		FAA100AUVEB	
Outdoor unit				RZAG71M7V1B				RZAG100M7V1B	
Cooling capacity	Nom.		kW	6.80 (1)				9.50 (1)	
Heating capacity	Nom.		kW	7.50 (2)				10.8 (2)	
Space cooling	Energy efficiency class			A++					
	Capacity	Pdesign	kW	6.80				9.50	
	SEER			6.43		6.58		6.42	
	Annual energy consumption		kWh/a	370		362		518	
	A Condition (35°C - 27/19)	Pdc	kW	6.80				9.50	
		EERd		3.96		3.62		4.43	
		Power input	kW	1.72		1.88		2.14	
	B Condition (30°C - 27/19)	Pdc	kW	5.02				7.00	
		EERd		5.54		5.70		4.75	
		Power input	kW	0.91		0.88		1.47	
	C Condition (25°C - 27/19)	Pdc	kW	3.23		3.37		4.50	
		EERd		8.03		8.29		7.70	
		Power input	kW	0.40		0.41		0.58	
	D Condition (20°C - 27/19)	Pdc	kW	3.03		3.44		4.09	
		EERd		9.81		10.65		10.92	
		Power input	kW	0.31		0.32		0.37	
Space heating (Average climate)	Energy efficiency class			A+					
	Capacity	Pdesign	kW	4.70				7.80	
	SCOP/A			4.16		4.02		4.01	
	SCOPnet/A			4.16		4.02		4.01	
	Annual energy consumption		kWh/a	1,582		1,637		2,723	
	Required back up heating cap at design conditions		kW	0.00					
	TOL	Tol (temperature operating limit)	°C	-10					
		Pdh (declared heating cap)	kW	4.70				7.80	
		COPd (declared COP)		2.44		2.21		1.84	
		Power input	kW	1.93		2.13		4.24	
	TBivalent	Tbiv (bivalent temperature)	°C	-10					
		Pdh (declared heating cap)	kW	4.70				7.80	
		COPd (declared COP)		2.44		2.21		1.84	
		Power input	kW	1.93		2.13		4.24	
	A Condition (-7°C)	Pdh (declared heating cap)	kW	4.16				6.90	
		COPd (declared COP)		2.77		2.56		2.35	
		Power input	kW	1.50		1.63		2.93	
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.53				4.20	
		COPd (declared COP)		4.26		4.11		4.21	
		Power input	kW	0.59		0.62		1.00	
	C Condition (7°C)	Pdh (declared heating cap)	kW	2.10		2.08		2.74	
		COPd (declared COP)		5.21		5.19		4.98	
		Power input	kW	0.40				0.55	
	D Condition (12°C)	Pdh (declared heating cap)	kW	2.48		2.51		3.21	
		COPd (declared COP)		6.44		6.39		6.19	
		Power input	kW	0.38		0.39		0.52	
Pto (Thermostat off)			W	12 / 0					
Cooling	Cdc (Degradation cooling)			0.25					
Heating	Cdh (Degradation heating)			0.25					
Cooling function included				Yes					
Heating function included				Yes					

2 Specifications

2-5 Capacity and Power input				FAA100A/RZAG71MV1	FAA71A/RZAG71MV1	FAA100A/RZAG100MV1
Average climate included				Yes		
Cold season included				No		
Warm season included				No		
Ecolabel logo				No		
Power consumption in other than active mode	Off mode	POFF	W	12		
	Standby mode	Cooling	PSB	12		
		Heating	PSB	12		
	Crankcase heater mode	PCK	W	0		

Notes

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m.

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

Cooling: T2: indoor temp. 26,6°CDB, 19,4°CWB, outdoor temp. 48°CDB [Btu/hr/W]

2-6 Capacity and Power input				FHA100A/ RZAG71MV1	FHA71A/ RZAG71MV1	FHA140A/ RZAG100MV1	FHA100A/ RZAG100MV1	FHA125A/ RZAG125MV1	FHA140A/ RZAG140MV1
Indoor unit				FHA100AVEB	FHA71AVEB	FHA140AVEB	FHA100AVEB	FHA125AVEB	FHA140AVEB
Outdoor unit				RZAG71M7V1B		RZAG100M7V1B		RZAG125M7V 1B	RZAG140M7V 1B
Cooling capacity	Nom.	kW	6.80 (1)			9.50 (1)		12.1 (1)	13.4 (1)
Heating capacity	Nom.	kW	7.50 (2)			10.8 (2)		13.5 (2)	15.5 (2)
Space cooling	Energy efficiency class			A++				-	
	Capacity	Pdesign	kW	6.80		9.50		12.1	13.4
	SEER			6.69	7.11	8.24	6.42	8.22	6.42
	ηs,c		%	-				326	254
	Annual energy consumption		kWh/a	356	335	404	518	883	1,252
	A Condition (35°C - 27/19)	Pdc	kW	6.80		9.50		12.10	13.40
		EERd		4.28	4.14	4.85	4.86	4.11	2.98
		Power input	kW	1.59	1.64	1.96	1.95	2.94	4.49
	B Condition (30°C - 27/19)	Pdc	kW	5.02		7.00		8.92	9.88
		EERd		5.91	6.08	6.74	4.83	6.48	5.08
		Power input	kW	0.85	0.83	1.04	1.45	1.38	1.94
	C Condition (25°C - 27/19)	Pdc	kW	3.23	3.37	4.50		5.74	6.35
		EERd		8.41	9.25	10.04	7.82	9.53	7.28
		Power input	kW	0.38	0.36	0.45	0.58	0.60	0.87
	D Condition (20°C - 27/19)	Pdc	kW	3.11	3.44	4.50	4.20	4.43	4.04
		EERd		9.77	11.02	14.11	9.91	13.71	10.96
		Power input	kW	0.32	0.31	0.32	0.42	0.32	0.37

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2-6 Capacity and Power input					FHA100A/ RZAG71MV1	FHA71A/ RZAG71MV1	FHA140A/ RZAG100MV1	FHA100A/ RZAG100MV1	FHA125A/ RZAG125MV1	FHA140A/ RZAG140MV1
Space heating (Average climate)	Energy efficiency class				A+		A++		-	
	Capacity	Pdesign	kW		4.70		7.80		9.52	
	SCOP/A				4.26	4.32	4.64	4.61	4.09	4.30
	SCOPnet/A				4.26	4.32	4.64	4.61	4.09	4.30
	ηs,h		%		-				161	169
	Annual energy consumption		kWh/a		1,545	1,523	2,353	2,369	3,259	3,100
	Required back up heating cap at design conditions		kW		0.00					
	TOL	Tol (temperature operating limit)	°C		-10					
			Pdh (declared heating cap)	kW	4.70		7.80		9.52	
		COPd (declared COP)		2.56	2.40	2.47	2.28	1.72	2.00	
		Power input		kW	1.84	1.95	3.16	3.42	5.54	4.76
		TBivalent	Tbiv (bivalent temperature)	°C		-10				
	Pdh (declared heating cap)			kW	4.70		7.80		9.52	
	COPd (declared COP)		2.56	2.40	2.47	2.28	1.72	2.00		
	Power input		kW	1.84	1.95	3.16	3.42	5.54	4.76	
	A Condition (-7°C)		Pdh (declared heating cap)	kW		4.16		6.90		8.42
		COPd (declared COP)		2.91	2.78	2.47	2.81	2.20	2.44	
		Power input		kW	1.43	1.50	2.79	2.45	3.83	3.45
	B Condition (2°C)	Pdh (declared heating cap)	kW		2.53		4.20		5.12	5.13
			COPd (declared COP)		4.36	4.41	5.00	4.82	4.38	4.64
		Power input		kW	0.58	0.57	0.84	0.87	1.17	1.11
	C Condition (7°C)	Pdh (declared heating cap)	kW		2.15	2.08	2.89	2.75	3.46	3.30
			COPd (declared COP)		5.27	5.55	5.75	5.58	5.21	5.17
		Power input		kW	0.41	0.37	0.50	0.49	0.66	0.64
	D Condition (12°C)	Pdh (declared heating cap)	kW		2.54	2.51	3.44	3.20	4.06	3.42
			COPd (declared COP)		6.58	6.86	7.26	7.17	6.38	6.46
		Power input		kW	0.39	0.37	0.47	0.45	0.64	0.53
Pto (Thermostat off)			W	12 / 0				-		
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					
Ecolabel logo					No					
Power consumption in other than active mode	Off mode	POFF		W	12					
	Standby mode	Cooling	PSB	W	12					
		Heating	PSB	W	12					
	Thermostat-off mode	PTO	Heating	W	-				12	
			Cooling	W	-				0	
	Crankcase heater mode	PCK		W	0					
Indication if the heater is equipped with a supplementary heater (pair application)					-				No	

2 Specifications

Notes

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m.

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

Cooling: T2: indoor temp. 26,6°CDB, 19,4°CWB, outdoor temp. 48°CDB [Btu/hr/W]

Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m

2-7 Capacity and Power input				FUA100A/RZAG71MV1	FUA71A/RZAG71MV1	FUA100A/RZAG100MV1	FUA125A/RZAG125MV1
Indoor unit				FUA100AVEB	FUA71AVEB	FUA100AVEB	FUA125AVEB
Outdoor unit				RZAG71M7V1B		RZAG100M7V1B	RZAG125M7V1B
Cooling capacity	Nom.	kW		6.80 (1)		9.50 (1)	12.1 (1)
Heating capacity	Nom.	kW		7.50 (2)		10.8 (2)	13.5 (2)
Space cooling	Energy efficiency class			A++			-
	Capacity	Pdesign	kW	6.80		9.50	12.1
	SEER			6.89	7.02	6.42	6.39
	ηs,c		%	-			253
	Annual energy consumption		kWh/a	345	339	518	1,136
	A Condition (35°C - 27/19)	Pdc	kW	6.80		9.50	12.10
		EERd		4.36	4.23	4.24	3.04
		Power input	kW	1.56	1.61	2.24	3.98
	B Condition (30°C - 27/19)	Pdc	kW	5.02		7.00	8.92
		EERd		6.17	5.89	4.94	5.07
		Power input	kW	0.81	0.85	1.42	1.76
	C Condition (25°C - 27/19)	Pdc	kW	3.23		4.50	5.74
		EERd		8.58	9.04	7.66	7.02
		Power input	kW	0.38	0.36	0.59	0.82
	D Condition (20°C - 27/19)	Pdc	kW	3.11	3.13	4.20	3.84
		EERd		10.20	10.98	10.72	11.52
		Power input	kW	0.30	0.28	0.39	0.33

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2-7 Capacity and Power input					FUA100A/RZAG71MV1	FUA71A/RZAG71MV1	FUA100A/RZAG100MV1	FUA125A/RZAG125MV1
Space heating (Average climate)	Energy efficiency class				A+			-
	Capacity	Pdesign	kW	4.70			7.80	9.52
	SCOP/A				4.28	4.20	4.50	4.26
	SCOPnet/A				4.28	4.20	4.50	4.26
	ηs,h		%	-			167	
	Annual energy consumption		kWh/a	1,537	1,567	2,427	3,129	
	Required back up heating cap at design conditions		kW	0.00				
	TOL	Tol (temperature operating limit)	°C	-10				
		Pdh (declared heating cap)	kW	4.70			7.80	9.52
		COPd (declared COP)		2.64	2.39	2.29	1.83	
		Power input	kW	1.78	1.97	3.41	5.19	
	TBivalent	Tbiv (bivalent temperature)	°C	-10				
		Pdh (declared heating cap)	kW	4.70			7.80	9.52
		COPd (declared COP)		2.64	2.39	2.29	1.83	
		Power input	kW	1.78	1.97	3.41	5.19	
	A Condition (-7°C)	Pdh (declared heating cap)	kW	4.16			6.90	8.42
		COPd (declared COP)		2.98	2.75	2.81	2.32	
		Power input	kW	1.40	1.52	2.46	3.62	
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.53			4.20	5.13
		COPd (declared COP)		4.38	4.29	4.76	4.55	
		Power input	kW	0.58	0.59	0.88	1.13	
	C Condition (7°C)	Pdh (declared heating cap)	kW	2.17	2.08	2.85	3.50	
		COPd (declared COP)		5.24	5.33	5.29	5.32	
		Power input	kW	0.41	0.39	0.54	0.66	
	D Condition (12°C)	Pdh (declared heating cap)	kW	2.57	2.51	3.33	4.08	
		COPd (declared COP)		6.57	6.62	6.73	6.92	
		Power input	kW	0.39	0.38	0.50	0.59	
Pto (Thermostat off)			W	12 / 0			-	
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			
Ecolabel logo					No			
Power consumption in other than active mode	Off mode	POFF		W	12			
	Standby mode	Cooling	PSB	W	12			
		Heating	PSB	W	12			
	Thermostat-off mode	PTO	Heating	W	-		12	
			Cooling	W	-		0	
	Crankcase heater mode	PCK		W	0			
Indication if the heater is equipped with a supplementary heater (pair application)					-		No	

2 Specifications

Notes

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m.

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

Cooling: T2: indoor temp. 26,6°CDB, 19,4°CWB, outdoor temp. 48°CDB [Btu/hr/W]

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m (horizontal); level difference: 0m

2

2-8 Capacity and Power input				FAV100A/ RZAG71MV1	FVA71A/ RZAG71MV1	FAV100A/ RZAG100MV1	FVA140A/ RZAG100MV1	FVA125A/ RZAG125MV1	FVA140A/ RZAG140MV1
Indoor unit				FVA100AMVE B	FVA71AMVEB	FVA100AMVE B	FVA140AMVE B	FVA125AMVE B	FVA140AMVE B
Outdoor unit				RZAG71M7V1B		RZAG100M7V1B		RZAG125M7V 1B	RZAG140M7V 1B
Cooling capacity	Nom.	kW		6.80 (1)		9.50 (1)		12.1 (1)	13.4 (1)
Heating capacity	Nom.	kW		7.50 (2)		10.8 (2)		13.5 (2)	15.5 (2)
Space cooling	Energy efficiency class			A++		A+	A++	-	
	Capacity	Pdesign	kW	6.80		9.50		12.1	13.4
	SEER			6.41	6.37	6.00	6.43	6.41	6.12
	ηs,c		%	-				253	242
	Annual energy consumption		kWh/a	371	374	554	517	1,133	1,314
	A Condition (35°C - 27/19)	Pdc	kW	6.80		9.50		12.10	13.40
		EERd		4.20	3.63	4.25	4.14	3.25	2.91
		Power input	kW	1.62	1.87	2.24	2.29	3.72	4.61
	B Condition (30°C - 27/19)	Pdc	kW	5.02		7.00		8.92	9.88
		EERd		5.90	5.62	4.85	5.46	5.25	5.00
		Power input	kW	0.85	0.89	1.44	1.28	1.70	1.98
	C Condition (25°C - 27/19)	Pdc	kW	3.23		4.50		5.74	6.35
		EERd		7.64	7.63	6.90	7.47	6.89	6.70
		Power input	kW	0.42		0.65	0.60	0.83	0.95
	D Condition (20°C - 27/19)	Pdc	kW	3.17	2.78	3.78	3.73	4.15	3.89
		EERd		9.53	10.41	9.41	9.91	11.21	10.39
		Power input	kW	0.33	0.27	0.40	0.38	0.37	

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2-8 Capacity and Power input				FAV100A/ RZAG71MV1	FVA71A/ RZAG71MV1	FAV100A/ RZAG100MV1	FVA140A/ RZAG100MV1	FVA125A/ RZAG125MV1	FVA140A/ RZAG140MV1	
Space heating (Average climate)	Energy efficiency class			A+				-		
	Capacity	Pdesign	kW	4.70		7.80		9.52		
	SCOP/A			4.05		4.20	4.05	4.15	3.94	
	SCOPnet/A			4.05		4.20	4.05	4.15	3.94	
	ηs,h		%	-				163	155	
	Annual energy consumption		kWh/a	1,625		2,600	2,697	3,209	3,383	
	Required back up heating cap at design conditions		kW	0.00						
	TOL	Tol (temperature operating limit)	°C	-10						
		Pdh (declared heating cap)	kW	4.70		7.80		9.52		
		COPd (declared COP)		2.54	2.24	2.13		1.76	1.78	
		Power input		kW	1.85	2.10	3.66		5.41	5.35
	TBivalent	Tbiv (bivalent temperature)	°C	-10						
		Pdh (declared heating cap)	kW	4.70		7.80		9.52		
		COPd (declared COP)		2.54	2.24	2.13		1.76	1.78	
		Power input		kW	1.85	2.10	3.66		5.41	5.35
	A Condition (-7°C)	Pdh (declared heating cap)	kW	4.16		6.90		8.42		
		COPd (declared COP)		2.88	2.59	2.65	2.62	2.25	2.17	
		Power input		kW	1.44	1.60	2.60	2.64	3.74	3.88
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.53		4.20		5.13		
		COPd (declared COP)		4.16	4.15	4.49	4.33	4.44	4.24	
		Power input		kW	0.61		0.94	0.97	1.16	1.21
	C Condition (7°C)	Pdh (declared heating cap)	kW	2.19	2.04	3.47	3.53	3.48	3.30	
		COPd (declared COP)		4.91	5.19	5.11	4.87	5.29	4.85	
		Power input		kW	0.45	0.39	0.68	0.72	0.66	0.68
	D Condition (12°C)	Pdh (declared heating cap)	kW	2.59	2.41	4.05	4.12	4.07	3.39	
		COPd (declared COP)		6.09	6.32	6.26	5.98	6.46	5.99	
		Power input		kW	0.43	0.38	0.65	0.69	0.63	0.57
Pto (Thermostat off)			W	12 / 0				-		
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						
Ecolabel logo				No						
Power consumption in other than active mode	Off mode	POFF		W	12					
	Standby mode	Cooling	PSB	W	12					
		Heating	PSB	W	12					
	Thermostat-off mode	PTO	Heating	W	-			12		
			Cooling	W	-			0		
	Crankcase heater mode	PCK		W	0					
Indication if the heater is equipped with a supplementary heater (pair application)				-				No		

2 Specifications

Notes

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m.

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m (horizontal); level difference: 0m

2-9 Technical Specifications					RZAG71MV1		RZAG100MV1		RZAG125MV1		RZAG140MV1	
Capacity control	Method				Inverter controlled							
Casing	Colour				Ivory white							
	Material				Painted galvanized steel plate							
Dimensions	Unit	Height		mm	990	1,430						
		Width		mm	940							
		Depth		mm	320							
	Packed unit	Height		mm	1,170	1,610						
		Width		mm	1,015							
		Depth		mm	422							
Weight	Unit			kg	70	92						
	Packed unit			kg	79	102						
Packing	Weight			kg	9	10						
Heat exchanger	Fin	Type			WF fin							
		Treatment			Anti-corrosion treatment (PE)							
Compressor	Quantity				1							
	Type				Hermetically sealed swing compressor							
Fan	Type				Propeller							
	Discharge direction				Horizontal							
	Quantity				1	2						
	Air flow rate	Cooling	Nom.	m³/min	59	70	83					
		Heating	Nom.	m³/min	50	62						
Fan motor	Quantity				1	2						
	Model				Brushless DC motor							
	Output			W	94							
	Drive				Direct drive							
Sound power level	Cooling			dBA	64	66	69	70				
	Heating			dBA	-			69 (1)	70 (1)			
Sound pressure level	Cooling	Nom.		dBA	46	47	50	51				
	Heating	Nom.		dBA	49	51	52					
Operation range	Cooling	Ambien t	Min.	°CDB	-20							
			Max.	°CDB	52							
	Heating	Ambien t	Min.	°CWB	-20							
			Max.	°CWB	18.0							
Refrigerant	Type				R-32							
	Charge			kg	2.95	3.75						
				TCO ₂ eq	1.99	2.53						
	Control				Expansion valve (electronic type)							
	GWP				675							
	Circuits	Quantity			1							

2 Specifications

2-9 Technical Specifications				RZAG71MV1	RZAG100MV1	RZAG125MV1	RZAG140MV1	
Piping connections	Liquid	Quantity		1				
		Type		Flare connection				
		OD	mm	9.52				
	Gas	Quantity		1				
		Type		Flare connection				
		OD	mm	15.9				
	Drain	Quantity		5				
		Type		Hole				
		OD	mm	26				
	Piping length	OU - IU	Min.	m	3			
			Max.	m	55	85		
		System	Equivalent	m	75 (2)	100 (2)		
			Chargel ess	m	40			
	Additional refrigerant charge			kg/m	See installation manual			
Level difference	IU - OU	Max.	m	30.0				
	IU - IU	Max.	m	0.5				
Heat insulation			Both liquid and gas pipes					
Refrigerant oil	Type			FW68DA				
	Charged volume		l	0.90	1.35			
Defrost method				Reversed cycle				
Defrost control				Sensor for outdoor heat exchanger temperature				
Safety devices	Item	01		High pressure switch				
		02		Low pressure switch				
		03		Fan driver overload protector				
		04		Fuse				
		05		Compressor motor thermal protector				

Standard Accessories : Tie-wraps; Quantity : 2;

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Refrigerant label for F-gas regulation; Quantity : 1;

Standard Accessories : General safety precautions; Quantity : 1;

Standard Accessories : LOT10 Energy Label; Quantity : 1;

2-10 Electrical Specifications			RZAG71MV1	RZAG100MV1	RZAG125MV1	RZAG140MV1
Power supply	Name		V1			
	Phase		1~			
	Frequency	Hz	50			
	Voltage		V 220-240			
Current - 50Hz	Maximum fuse amps (MFA)	A	20	32		
Current	Zmax	List	Complies to EN61000-3-11			
	Minimum Ssc value	kVa	Equipment complying with EN / IEC 61000-3-12 / (3) / See note 3			
Wiring connections	For power supply	Remark	See installation manual outdoor unit			
	For connection with indoor	Remark	See installation manual outdoor unit			
Power supply intake			See installation manual outdoor unit			

Notes

(1) According to ENER Lot 21

(2) European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current ≤ 16A per phase.

(3) European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current larger than 16A and ≤ 75A per phase.

(4) Ssc: Short-circuit power

3 Electrical data

3 - 1 Electrical Data

AZAS-MV1

AZAS-MY1

RZAG-MV1

RZAG-MY1

RZASG-MV1

RZASG-MY1

Symbols

MCA: Minimum Circuit Ampere [A]
TOCA: Total overcurrent amps [A]
MFA: Maximum Fuse Ampere [A]
MSC: Maximum current of the starting compressor [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]

Notes

- The RLA is based on the following conditions.
Cooling
Indoor temperature 27.0°C DB / 19.0°C WB
Outdoor temperature 35.0°C DB
Heating
Indoor temperature 20.0°C DB
Outdoor temperature 7.0°C DB / 6.0°C WB
- TOCA is the total value of each overcurrent set.
- Voltage range
The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- MCA is the maximum input current.
The capacity of the MFA must be greater than that of the MCA.
Select the MFA according to the table.
- Select the wire size according to the MCA.
- MFA is used to select the circuit breaker and the ground fault circuit interruptor.
Earth leakage circuit breaker

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RZAG71-100MV1

							Compressor		OFM		IFM			
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG71GV1B		RZAG71M7V1B	50Hz ~ 220-240V	Minimum: 198 V Maximum: 264 V	17.5	—	20	—	15.5	0.094	0.8	0.091	0.5	
FCAG35AVEB	x2	RZAG71M7V1B			17.6	—	20	—	15.5	0.094	0.8	0.044 x2	0.3 x2	
FCAG71AVEB		RZAG71M7V1B			17.4	—	20	—	15.5	0.094	0.8	0.054	0.4	
FFA35A2VEB	x2	RZAG71M7V1B			17.8	—	20	—	15.5	0.094	0.8	0.050 x2	0.4 x2	
FBA35A2VEB	x2	RZAG71M7V1B			18.2	—	20	—	15.5	0.094	0.8	0.089 x2	0.6 x2	
FBA71A2VEB		RZAG71M7V1B			17.6	—	20	—	15.6	0.094	0.8	0.070	0.5	
FNA35A2VEB	x2	RZAG71M7V1B			17.3	—	20	—	15.5	0.094	0.8	0.034 x2	0.3	
FUA71AVEB		RZAG71M7V1B			17.9	—	20	—	15.5	0.094	0.8	0.046	0.9	
FAA71AUVEB		RZAG71M7V1B			17.4	—	20	—	15.5	0.094	0.8	0.048	0.4	
FVA71AMVEB		RZAG71M7V1B			17.6	—	20	—	15.5	0.094	0.8	0.117	0.6	
FDXM35F3V1B	x2	RZAG71M7V1B			17.6	—	20	—	15.5	0.094	0.8	0.034 x2	0.3 x2	
FHA35AVEB	x2	RZAG71M7V1B			18.2	—	20	—	15.5	0.094	0.8	0.060 x2	0.6 x2	
FHA71AVEB		RZAG71M7V1B	17.8	—	20	—	15.5	0.094	0.8	0.091	0.8			
FCAHG100GV1B		RZAG100M7V1B	50Hz ~ 220-240V	Minimum: 198 V Maximum: 264 V	27.4	—	32	—	23.5	0.094+0.094	0.75+0.75	0.221	1.3	
FCAG35AVEB	x3	RZAG100M7V1B			26.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.044 x3	0.3 x3	
FCAG50AVEB	x2	RZAG100M7V1B			26.6	—	32	—	23.5	0.094+0.094	0.75+0.75	0.039 x2	0.3 x2	
FCAG100AVEB		RZAG100M7V1B			26.7	—	32	—	23.5	0.094+0.094	0.75+0.75	0.117	0.7	
FFA35A2VEB	x3	RZAG100M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.050 x3	0.4 x3	
FFA50A2VEB	x2	RZAG100M7V1B			26.8	—	32	—	23.5	0.094+0.094	0.75+0.75	0.050 x2	0.4 x2	
FBA35A2VEB	x3	RZAG100M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.089 x3	0.6 x3	
FBA50A2VEB	x2	RZAG100M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.089 x2	0.6 x2	
FBA100A2VEB		RZAG100M7V1B			27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.127	1.0	
FNA35A2VEB	x3	RZAG100M7V1B			26.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.034 x3	0.3 x3	
FNA50A2VEB	x2	RZAG100M7V1B			27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x2	0.5 x2	
FUA100AVEB		RZAG100M7V1B			27.4	—	32	—	23.5	0.094+0.094	0.75+0.75	0.106	1.3	
FAA100AUVEB		RZAG100M7V1B			26.4	—	32	—	23.5	0.094+0.094	0.75+0.75	0.064	0.4	
FVA100AMVEB		RZAG100M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.238	1.2	
FDXM35F3V1B	x3	RZAG100M7V1B			26.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.034 x3	0.3 x3	
FDXM50F3V1B	x2	RZAG100M7V1B			27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x2	0.5 x2	
FHA35AVEB	x3	RZAG100M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x3	0.6 x3	
FHA50AVEB	x2	RZAG100M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x2	0.6 x2	
FHA100AVEB		RZAG100M7V1B	27.4	—	32	—	23.5	0.094+0.094	0.75+0.75	0.150	1.3			

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3 Electrical data

3 - 1 Electrical Data

RZAG125-140MV1

		Power supply	Voltage range	MCA	TOCA	MFA	MSC	RLA	Compressor		OFM		IFM	
Indoor	Outdoor										kW	FLA	kW	FLA
FCAGH125GVEB	RZAG125M7V1B	50Hz ~ 220-240V	Minimum: 198 V Maximum: 264 V	27.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.244	1.4	—	—
FCAG35AVEB	RZAG125M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.044 x4	0.3 x4	—	—
FCAG50AVEB	RZAG125M7V1B			26.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.039 x3	0.3 x3	—	—
FCAG60AVEB	RZAG125M7V1B			26.6	—	32	—	23.5	0.094+0.094	0.75+0.75	0.044 x2	0.3 x2	—	—
FCAG125AVEB	RZAG125M7V1B			27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.168	1.0	—	—
FFA35A2VEB	RZAG125M7V1B			27.7	—	32	—	23.5	0.094+0.094	0.75+0.75	0.050 x4	0.4 x4	—	—
FFA50A2VEB	RZAG125M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.050 x3	0.4 x3	—	—
FFA60A2VEB	RZAG125M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.050 x2	0.6 x2	—	—
FBA35A2VEB	RZAG125M7V1B			28.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.089 x4	0.6 x4	—	—
FBA50A2VEB	RZAG125M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.089 x3	0.6 x3	—	—
FBA60A2VEB	RZAG125M7V1B			27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.070 x2	0.5 x2	—	—
FBA125A2VEB	RZAG125M7V1B			27.6	—	32	—	23.5	0.094+0.094	0.75+0.75	0.187	1.5	—	—
FNA35A2VEB	RZAG125M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.034 x4	0.3 x4	—	—
FNA50A2VEB	RZAG125M7V1B			27.6	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x3	0.5 x3	—	—
FNA60A2VEB	RZAG125M7V1B			27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x2	0.5 x2	—	—
FUA125AVEB	RZAG125M7V1B			27.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.106	1.4	—	—
FDA125AVEB	RZAG125M7V1B			28.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.350	2.1	—	—
FVA125AMVEB	RZAG125M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.238	1.2	—	—
FDXM35F3V1B	RZAG125M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.034 x4	0.3 x4	—	—
FDXM50F3V1B	RZAG125M7V1B			27.6	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x3	0.5 x3	—	—
FDXM60F3V1B	RZAG125M7V1B			27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x2	0.5 x2	—	—
FHA35AVEB	RZAG125M7V1B			28.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x4	0.6 x4	—	—
FHA50AVEB	RZAG125M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x3	0.6 x3	—	—
FHA60AVEB	RZAG125M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.091 x2	0.6 x2	—	—
FHA125AVEB	RZAG125M7V1B			27.6	—	32	—	23.5	0.094+0.094	0.75+0.75	0.150	1.5	—	—
FCAGH140GVEB	RZAG140M7V1B	50Hz ~ 220-240V	Minimum: 198 V Maximum: 264 V	27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.091 x2	0.5 x2	—	—
FCAG35AVEB	RZAG140M7V1B			27.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.244	1.4	—	—
FCAG50AVEB	RZAG140M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.044 x4	0.3 x4	—	—
FCAG60AVEB	RZAG140M7V1B			26.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.039 x3	0.3 x3	—	—
FCAG71AVEB	RZAG140M7V1B			26.8	—	32	—	23.5	0.094+0.094	0.75+0.75	0.054 x2	0.4 x2	—	—
FCAG140AVEB	RZAG140M7V1B			27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.168	1.0	—	—
FFA35A2VEB	RZAG140M7V1B			27.7	—	32	—	23.5	0.094+0.094	0.75+0.75	0.050 x4	0.4 x4	—	—
FFA50A2VEB	RZAG140M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.050 x3	0.4 x3	—	—
FFA60A2VEB	RZAG140M7V1B			28.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.089 x4	0.6 x4	—	—
FBA35A2VEB	RZAG140M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.089 x3	0.6 x3	—	—
FBA50A2VEB	RZAG140M7V1B			27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.070 x2	0.5 x2	—	—
FBA140A2VEB	RZAG140M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.197	1.5	—	—
FNA35A2VEB	RZAG140M7V1B			27.6	—	32	—	23.5	0.094+0.094	0.75+0.75	0.034 x4	0.3 x4	—	—
FNA50A2VEB	RZAG140M7V1B			27.6	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x3	0.5 x3	—	—
FUA71AVEB	RZAG140M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.046 x2	0.9 x2	—	—
FAA71AUVEB	RZAG140M7V1B			26.8	—	32	—	23.5	0.094+0.094	0.75+0.75	0.048 x2	0.4 x2	—	—
FVA71AMVEB	RZAG140M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.117 x2	0.6 x2	—	—
FVA140AMVEB	RZAG140M7V1B			27.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.276	1.4	—	—
FDXM35F3V1B	RZAG140M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.034 x4	0.3 x4	—	—
FDXM50F3V1B	RZAG140M7V1B			27.6	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x3	0.5 x3	—	—
FHA35AVEB	RZAG140M7V1B			28.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x4	0.6 x4	—	—
FHA50AVEB	RZAG140M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x3	0.6 x3	—	—
FHA71AVEB	RZAG140M7V1B			27.7	—	32	—	23.5	0.094+0.094	0.75+0.75	0.091 x2	0.8 x2	—	—
FHA140AVEB	RZAG140M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.150	1.8	—	—

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RZAG-MV1

RZAG-MY1

Symbols

- MCA: Minimum Circuit Ampere [A]
- TOCA: Total overcurrent amps [A]
- MFA: Maximum Fuse Ampere [A]
- MSC: Maximum current of the starting compressor [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]

Notes

- The ·RLA· is based on the following conditions.
 - Cooling
 - Indoor temperature ·27.0·°C DB / ·19.0·°C WB
 - Outdoor temperature ·35.0·°C DB
 - Heating
 - Indoor temperature ·20.0·°C DB
 - Outdoor temperature ·7.0·°C DB / ·6.0·°C WB
- TOCA· is the total value of each overcurrent set.
- Voltage range
 - The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
- The maximum allowable voltage that is unbalanced between phases is ·2·%.
- MCA· is the maximum input current.
 - The capacity of the ·MFA· must be greater than that of the ·MCA·.
 - Select the ·MFA· according to the table.
- Select the wire size according to the MCA.
- MFA· is used to select the circuit breaker and the ground fault circuit interruptor.
 - Earth leakage circuit breaker

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3 Electrical data

3 - 1 Electrical Data

RZAG71-100MV1

							Compressor		OFM		IFM		
Indoor		Outdoor	Power supply	Voltage range	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG100GVEB		RZAG71M7V1B	50Hz ~ 220-240V	Minimum: 198 V. Maximum: 264 V.	18,3	—	20	—	15,5	0,094	0,8	0,221	1,3
FCAG35AVEB	x3	RZAG71M7V1B			17,9	—	20	—	15,5	0,094	0,8	0,044 x3	0,3 x3
FCAG50AVEB	x2	RZAG71M7V1B			17,6	—	20	—	15,5	0,094	0,8	0,039 x2	0,3 x2
FCAG100AVEB		RZAG71M7V1B			17,7	—	20	—	15,5	0,094	0,8	0,117	0,7
FFA35A2VEB	x3	RZAG71M7V1B			18,2	—	20	—	15,5	0,094	0,8	0,050 x3	0,4 x3
FFA50A2VEB	x2	RZAG71M7V1B			17,8	—	20	—	15,5	0,094	0,8	0,050 x2	0,4 x2
FBA35A2VEB	x3	RZAG71M7V1B			18,8	—	20	—	15,5	0,094	0,8	0,089 x3	0,6 x3
FBA50A2VEB	x2	RZAG71M7V1B			18,2	—	20	—	15,5	0,094	0,8	0,089 x2	0,6 x2
FBA100A2VEB		RZAG71M7V1B			18,0	—	20	—	15,5	0,094	0,8	0,127	1,0
FUA100AVEB		RZAG71M7V1B			18,3	—	20	—	15,5	0,094	0,8	0,106	1,3
FAA100AUVEB		RZAG71M7V1B			17,4	—	20	—	15,5	0,094	0,8	0,064	0,4
FVA100AMVEB		RZAG71M7V1B			18,2	—	20	—	15,5	0,094	0,8	0,238	1,2
FDXM35F3V1B	x3	RZAG71M7V1B			17,9	—	20	—	15,5	0,094	0,8	0,034 x3	0,3 x3
FDXM50F3V1B	x2	RZAG71M7V1B			18,0	—	20	—	15,5	0,094	0,8	0,060 x2	0,5 x2
FHA35AVEB	x3	RZAG71M7V1B			18,8	—	20	—	15,5	0,094	0,8	0,060 x3	0,6 x3
FHA50AVEB	x2	RZAG71M7V1B			18,2	—	20	—	15,5	0,094	0,8	0,060 x2	0,6 x2
FHA100AVEB		RZAG71M7V1B			18,3	—	20	—	15,5	0,094	0,8	0,150	1,3
FCAHG71GVEB	x2	RZAG100M7V1B	50Hz ~ 220-240V	Minimum: 198 V. Maximum: 264 V.	27,0	—	32	—	23,5	0,094+0,094	0,75+0,75	0,091 x2	0,5 x2
FCAHG140GVEB		RZAG100M7V1B			27,5	—	32	—	23,5	0,094+0,094	0,75+0,75	0,244	1,4
FCAG35AVEB	x4	RZAG100M7V1B			27,2	—	32	—	23,5	0,094+0,094	0,75+0,75	0,044 x4	0,3 x4
FCAG50AVEB	x3	RZAG100M7V1B			26,9	—	32	—	23,5	0,094+0,094	0,75+0,75	0,039 x3	0,3 x3
FCAG71AVEB	x2	RZAG100M7V1B			26,8	—	32	—	23,5	0,094+0,094	0,75+0,75	0,054 x2	0,4 x2
FCAG140AVEB		RZAG100M7V1B			27,0	—	32	—	23,5	0,094+0,094	0,75+0,75	0,168	1,0
FFA35A2VEB	x4	RZAG100M7V1B			27,7	—	32	—	23,5	0,094+0,094	0,75+0,75	0,050 x4	0,4 x4
FFA50A2VEB	x3	RZAG100M7V1B			27,2	—	32	—	23,5	0,094+0,094	0,75+0,75	0,050 x3	0,4 x3
FBA35A2VEB	x4	RZAG100M7V1B			28,5	—	32	—	23,5	0,094+0,094	0,75+0,75	0,089 x4	0,6 x4
FBA50A2VEB	x3	RZAG100M7V1B			27,9	—	32	—	23,5	0,094+0,094	0,75+0,75	0,089 x3	0,6 x3
FBA71A2VEB	x2	RZAG100M7V1B			27,0	—	32	—	23,5	0,094+0,094	0,75+0,75	0,07 x2	0,5 x2
FBA140A2VEB		RZAG100M7V1B			27,6	—	32	—	23,5	0,094+0,094	0,75+0,75	0,187	1,5
FUA71AVEB	x2	RZAG100M7V1B			27,9	—	32	—	23,5	0,094+0,094	0,75+0,75	0,046 x2	0,9 x2
FAA71AUVEB	x2	RZAG100M7V1B			26,8	—	32	—	23,5	0,094+0,094	0,75+0,75	0,048 x2	0,4 x2
FVA140AMVEB		RZAG100M7V1B			27,5	—	32	—	23,5	0,094+0,094	0,75+0,75	0,276	1,4
FDXM35F3V1B	x4	RZAG100M7V1B			27,2	—	32	—	23,5	0,094+0,094	0,75+0,75	0,034 x4	0,3 x4
FDXM50F3V1B	x3	RZAG100M7V1B			27,6	—	32	—	23,5	0,094+0,094	0,75+0,75	0,060 x3	0,5 x3
FHA35AVEB	x4	RZAG100M7V1B			28,5	—	32	—	23,5	0,094+0,094	0,75+0,75	0,060 x4	0,6 x4
FHA50AVEB	x3	RZAG100M7V1B			27,9	—	32	—	23,5	0,094+0,094	0,75+0,75	0,060 x3	0,6 x3
FHA71AVEB	x2	RZAG100M7V1B			27,7	—	32	—	23,5	0,094+0,094	0,75+0,75	0,091 x2	0,8 x2
FHA140AVEB		RZAG100M7V1B			27,9	—	32	—	23,5	0,094+0,094	0,75+0,75	0,150	1,8

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RZAG125-140MV1

							Compressor		OFM		IFM	
Indoor	Outdoor	Power supply	Voltage range	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG71GVEB	x2 RZAG125M7V1B	50Hz ~ 220-240V	Minimum: 198 V - Maximum: 264 V -	27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.091 x2	0.5 x2
FCAHG140GVEB	RZAG125M7V1B			27.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.244	1.4
FCAG35AVEB	x4 RZAG125M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.044 x4	0.3 x4
FCAG50AVEB	x3 RZAG125M7V1B			26.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.039 x3	0.3 x3
FCAG71AVEB	x2 RZAG125M7V1B			26.8	—	32	—	23.5	0.094+0.094	0.75+0.75	0.054 x2	0.4 x2
FCAG140AVEB	RZAG125M7V1B			27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.168	1.0
FFA35A2VEB	x4 RZAG125M7V1B			27.7	—	32	—	23.5	0.094+0.094	0.75+0.75	0.050 x4	0.4 x4
FFA50A2VEB	x3 RZAG125M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.050 x3	0.4 x3
FBA35A2VEB	x4 RZAG125M7V1B			28.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.089 x4	0.6 x4
FBA50A2VEB	x3 RZAG125M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.089 x3	0.6 x3
FBA71A2VEB	x2 RZAG125M7V1B			27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.07 x2	0.5 x2
FBA140A2VEB	RZAG125M7V1B			27.6	—	32	—	23.5	0.094+0.094	0.75+0.75	0.187	1.5
FUA71AVEB	x2 RZAG125M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.046 x2	0.9 x2
FAA71AUVEB	x2 RZAG125M7V1B			26.8	—	32	—	23.5	0.094+0.094	0.75+0.75	0.048 x2	0.4 x2
FVA140AMVEB	RZAG125M7V1B			27.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.276	1.4
FDXM35F3V1B	x4 RZAG125M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.034 x4	0.3 x4
FDXM50F3V1B	x3 RZAG125M7V1B			27.6	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x3	0.5 x3
FHA35AVEB	x4 RZAG125M7V1B			28.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x4	0.6 x4
FHA50AVEB	x3 RZAG125M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x3	0.6 x3
FHA71AVEB	x2 RZAG125M7V1B			27.7	—	32	—	23.5	0.094+0.094	0.75+0.75	0.091 x2	0.8 x2
FHA140AVEB	RZAG125M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.150	1.8
FCAHG71GVEB	x2 RZAG140M7V1B	50Hz ~ 220-240V	Minimum: 198 V - Maximum: 264 V -	27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.091 x2	0.5 x2
FCAHG140GVEB	RZAG140M7V1B			27.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.244	1.4
FCAG35AVEB	x4 RZAG140M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.044 x4	0.3 x4
FCAG50AVEB	x3 RZAG140M7V1B			26.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.039 x3	0.3 x3
FCAG71AVEB	x2 RZAG140M7V1B			26.8	—	32	—	23.5	0.094+0.094	0.75+0.75	0.054 x2	0.4 x2
FCAG140AVEB	RZAG140M7V1B			27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.168	1.0
FFA35A2VEB	x4 RZAG140M7V1B			27.7	—	32	—	23.5	0.094+0.094	0.75+0.75	0.050 x4	0.4 x4
FFA50A2VEB	x3 RZAG140M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.050 x3	0.4 x3
FBA35A2VEB	x4 RZAG140M7V1B			28.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.089 x4	0.6 x4
FBA50A2VEB	x3 RZAG140M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.089 x3	0.6 x3
FBA71A2VEB	x2 RZAG140M7V1B			27.0	—	32	—	23.5	0.094+0.094	0.75+0.75	0.07 x2	0.5 x2
FBA140A2VEB	RZAG140M7V1B			27.6	—	32	—	23.5	0.094+0.094	0.75+0.75	0.187	1.5
FUA71AVEB	x2 RZAG140M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.046 x2	0.9 x2
FAA71AUVEB	x2 RZAG140M7V1B			26.8	—	32	—	23.5	0.094+0.094	0.75+0.75	0.048 x2	0.4 x2
FVA140AMVEB	RZAG140M7V1B			27.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.276	1.4
FDXM35F3V1B	x4 RZAG140M7V1B			27.2	—	32	—	23.5	0.094+0.094	0.75+0.75	0.034 x4	0.3 x4
FDXM50F3V1B	x3 RZAG140M7V1B			27.6	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x3	0.5 x3
FHA35AVEB	x4 RZAG140M7V1B			28.5	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x4	0.6 x4
FHA50AVEB	x3 RZAG140M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.060 x3	0.6 x3
FHA71AVEB	x2 RZAG140M7V1B			27.7	—	32	—	23.5	0.094+0.094	0.75+0.75	0.091 x2	0.8 x2
FHA140AVEB	RZAG140M7V1B			27.9	—	32	—	23.5	0.094+0.094	0.75+0.75	0.150	1.8

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4 Options

4 - 1 Options

4

AZAS-MV1

AZAS-MY1

RZAG-MV1

RZAG-MY1

RZASG-MV1

RZASG-MY1

Available options for RZAG models

Option		Option kit			
		RZAG71M7V1B RZAG71M7Y1B	RZAG100M7V1B RZAG100M7Y1B	RZAG125M7V1B RZAG125M7Y1B	RZAG140M7Y1B RZAG140M7V1B
Bottom plate heater		EKBPH140L7			
Refrigerant branch piping	Twin	KHRQ(M)58T			
	Triple	-	KHRQ(M)58H		
	Double twin	-	KHRQ(M)58T (3x)		
Demand adaptor kit		SB.KRP58M52			

Available options for RZASG models

Option		Option kit			
		RZASG71M2V1B	RZASG100M7V1B RZASG100M7Y1B	RZASG125M7V1B RZASG125M7Y1B	RZASG140M7V1B RZASG140M7Y1B
Bottom plate heater		-			
Refrigerant branch piping	Twin	KHRQ(M)58T			
	Triple	-	KHRQ(M)58H		
	Double twin	-	KHRQ(M)58T (3x)		
Demand adaptor kit		SB.KRP58M52			

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5 Combination table

5 - 1 Combination Table

AZAS-MV1
AZAS-MY1
RZAG-MV1
RZAG-MY1
RZASG-MV1
RZASG-MY1

Possible combinations

P= Pair	71	100	125	140
2= Twin	35+35	50+50	60+60	71+71
3= Triple		35+35+35 (*)	50+50+50 (*)	50+50+50 (*)
4= Double twin			35+35+35+35 (*)	35+35+35+35

Sky Air	High Cassette				Thin cassette				2x2 cassette		Duct (medium ESP)				Concealed floor standing type	Ceiling-mounted 4-way blow	Wall mounted type	Duct (high ESP)
Model	FCAG10GVEB	FCAG10GVEB	FCAG12GVEB	FCAG14GVEB	FCAG30AVEB	FCAG30AVEB	FCAG30AVEB	FCAG71AVEB	FCAG10AVEB	FCAG12AVEB	FCAG14AVEB	FFAS2AVEB	FFAS2AVEB	FFAS2AVEB	FBAS2AVEB	FBAS2AVEB	FBAS2AVEB	FBAS2AVEB
RZAG10M7Y1B	P				2			P				2			2		P	
RZAG100M7Y1B		P			3	2						3	2		3	2		P
RZAG125M7Y1B			P		4	3	2					4	3	2	4	3	2	P
RZAG140M7Y1B				P	4	3		2				4	3		4	3		P
RZASG10M2Y1B					2							2			2			P
RZASG100M7Y1B					3	2			P			3	2		3	2		P
RZASG125M7Y1B					4	3	2					4	3	2	4	3	2	P
RZASG140M7Y1B					4	3		2				4	3		4	3		P
AZAS10M7Y1B								P										P
AZAS100M7Y1B									P									P
AZAS125M7Y1B									P									P
AZAS140M7Y1B									P									P

Sky Air	Floor standing type				Slim duct			Ceiling-suspended			
Model	FVAT1AMVEB	FVAT10AMVEB	FVAT12AMVEB	FVAT14AMVEB	FDM03F3Y1B	FDM03F3Y1B	FDM03F3Y1B	FHASAVEB	FHASAVEB	FHASAVEB	FHASAVEB
RZAG10M7Y1B	P				2			2			P
RZAG100M7Y1B		P			3	2		3	2		P
RZAG125M7Y1B			P		4	3	2	4	3	2	P
RZAG140M7Y1B				P	4	3		4	3		P
RZASG10M2Y1B					2			2			P
RZASG100M7Y1B					3	2		3	2		P
RZASG125M7Y1B					4	3	2	4	3	2	P
RZASG140M7Y1B					4	3		4	3		P
AZAS10M7Y1B											
AZAS100M7Y1B											
AZAS125M7Y1B											
AZAS140M7Y1B											

Notes

- Maximum capacity is limited based on outdoor unit capacity.
- When combining multiple indoor units, designate the unit whose remote controller is equipped with the most functions as the master unit.
- For the selection of the correct refnet kit, required to install a multi-combination, refer to the option list.

Twin : KHRQ(M)58T
Triple : KHRQ(M)58H
Double twin : KHRQ(M)58T

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RZAG-MV1
RZAG-MY1

Sky Air	High Cassette				Thin cassette				2x2 cassette		Duct (medium ESP)				Concealed floor standing type	Ceiling-mounted 4-way blow	Wall mounted type	Duct (high ESP)
Model	FCAG10GVEB	FCAG10GVEB	FCAG12GVEB	FCAG14GVEB	FCAG30AVEB	FCAG30AVEB	FCAG30AVEB	FCAG71AVEB	FCAG10AVEB	FCAG12AVEB	FCAG14AVEB	FFAS2AVEB	FFAS2AVEB	FFAS2AVEB	FBAS2AVEB	FBAS2AVEB	FBAS2AVEB	FBAS2AVEB
RZAG10M7Y1B	P				3	2		P				3	2		3	2		P
RZAG100M7Y1B		P			4	3			P			4	3		4	3		P
RZAG125M7Y1B			P		4	3	2			P		4	3	2	4	3	2	P
RZAG140M7Y1B				P	4	3		2				4	3		4	3		P

Sky Air	Floor standing type				Slim duct			Ceiling-suspended			
Model	FVAT1AMVEB	FVAT10AMVEB	FVAT12AMVEB	FVAT14AMVEB	FDM03F3Y1B	FDM03F3Y1B	FDM03F3Y1B	FHASAVEB	FHASAVEB	FHASAVEB	FHASAVEB
RZAG10M7Y1B	P				3	2		3	2		P
RZAG100M7Y1B					4	3		4	3		P
RZAG125M7Y1B					4	3	2	4	3	2	P
RZAG140M7Y1B					4	3		4	3		P

Possible combinations P= Pair
2= Twin
3= Triple
4= Double twin

Notes

- Maximum capacity is limited based on outdoor unit capacity.
- When combining multiple indoor units, designate the unit whose remote controller is equipped with the most functions as the master unit.
- For the selection of the correct refnet kit, required to install a multi-combination, refer to the option list.

Twin : KHRQ(M)58T
Triple : KHRQ(M)58H
Double twin : KHRQ(M)58T

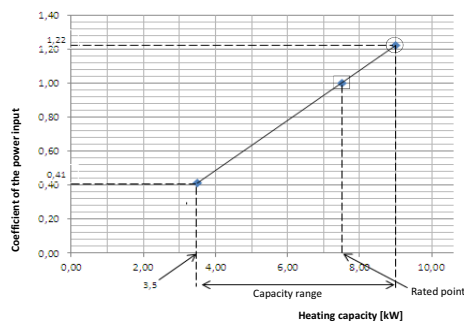
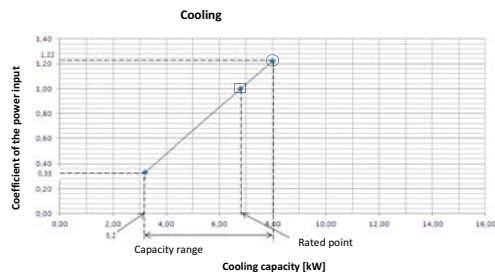
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6 Capacity tables

6 - 2 Cooling/Heating Capacity Tables

RZAG71MV1 RZAG71MY1

6



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: Maximum total cooling/heating capacity [kW]
 SHC: Sensible heat capacity [kW]
 CPI: Coefficient of the power input
 PI: Power input [kW]
 compressor + indoor and outdoor fan motors

Indoor		Outdoor temperature [°C DB]											
		S				S				S			
°C WB	°C DB	TC	SHC	CPI	PI	TC	SHC	CPI	PI	TC	SHC	CPI	PI
16.0	22	8.00	5.40	1.00	7.76	5.32	1.11	7.48	5.20	1.01	7.21	5.06	1.32
18.0	24	8.40	5.60	1.00	8.11	5.52	1.11	7.83	5.29	1.01	7.56	5.05	1.32
20.0	27	8.50	5.74	1.00	8.30	5.52	1.12	8.00	5.28	1.02	7.70	5.05	1.33
22.0	27	8.68	5.40	1.00	8.39	5.33	1.12	8.09	5.17	1.02	7.79	5.05	1.33
24.0	30	9.15	5.38	1.00	8.84	5.25	1.12	8.52	5.13	1.03	8.17	4.99	1.34
24.0	32	9.50	5.51	1.00	9.20	5.19	1.13	8.87	5.06	1.03	8.54	4.92	1.35

- Notes**
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
 - = Maximum at standard conditions
 - = Rated capacity and rated coefficient of the power input
The maximum capacity is not guaranteed except at standard conditions.
 - SHC is based on indoor units EWB & EDB.
SHC for other dry-bulb temperatures = SHC + SHC*
SHC* = SHC correction for other dry-bulb temperatures
= 0.02 × AFR (m³/min) × (1-BF) × (DB* - EDB)
 - The capacities are based on the following conditions:
Outdoor air: 85% RH
However, the outdoor ambient condition of the rated capacity during heating operation is 7°C DB / 6°C WB.
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
 - CPI is a percentage value compared to the rated value which is 1.00.
 - The error rate for this value is less than 5% and depends on the indoor unit type.
 - The heating performance takes into account the drop that occurs during defrost operation.
 - The air flow rate and bypass factor are mentioned in the table.

Pair							
	FCAHG71G	FCAG71A	FAA71A	FVA71A	FHA71A	FUA71A	FBA71A
AFR	21.2	15.3	18.0	18.0	20.5	23.0	18.0
(BF)	(0.20)	(0.14)	(0.16)	(0.16)	(0.13)	(0.24)	(0.13)

Twin		FCAG35A X 2	FHA35A X 2	FHA35A X 2	FDXM35F3 X 2	FBA35A X 2	FNA35A X 2
AFR	12.5 × 2	14.0 × 2	10.0 × 2	8.7 × 2	15.0 × 2	8.7 × 2	
(BF)	(0.40 × 2)	(0.17 × 2)	(0.25 × 2)	(0.17 × 2)	(0.08 × 2)	(0.17 × 2)	

Indoor		Outdoor temperature (°C WB)											
		-15.0		-10.0		-5.0		0.0		6.0		10.0	
		TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
°C DB	kW	—	kW	—	kW	—	kW	—	kW	—	kW	—	kW
16	6.44	0.93	7.09	0.99	7.55	1.02	7.79	1.06	9.00	1.12	9.71	1.19	
18	6.43	0.98	7.08	1.03	7.54	1.07	7.78	1.10	9.00	1.17	9.71	1.24	
20	6.42	1.01	7.07	1.07	7.53	1.12	7.77	1.14	9.00	1.22	9.71	1.28	
21	6.42	1.03	7.07	1.09	7.53	1.13	7.77	1.16	9.00	1.24	9.71	1.31	
22	6.42	1.05	7.06	1.11	7.52	1.15	7.76	1.19	9.00	1.27	9.71	1.33	
24	6.41	1.09	7.05	1.15	7.51	1.20	7.75	1.23	9.00	1.32	9.67	1.38	

9. The rated power input for each model is mentioned in the table below.

Pair	FCAHG71G	FCAG71A	FAA71A	FVA71A	FHA71A	FUA71A	FBA71A
Cooling	1.55	1.78	1.88	1.87	1.64	1.61	1.86
Heating	1.60	2.29	2.19	2.33	2.07	1.95	2.10

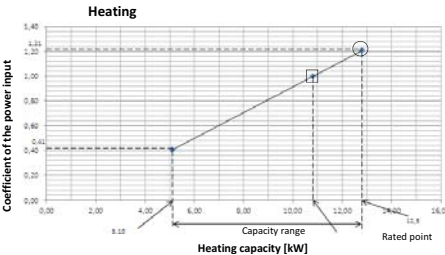
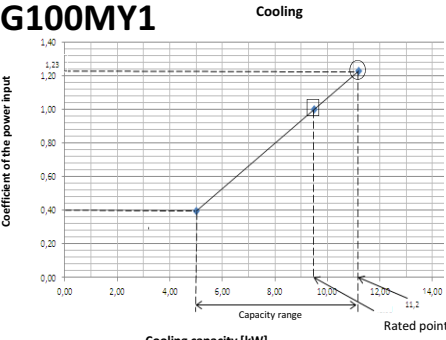
Twin		FCAG35A X 2	FHA35A X 2	FHA35A X 2	FDXM35F3 X 2	FBA35A X 2	FNA35A X 2
Cooling	1.47	1.33	1.63	1.73	1.62	1.73	
Heating	1.53	1.62	1.74	2.17	1.82	2.17	

3D112140

6 Capacity tables

6 - 2 Cooling/Heating Capacity Tables

RZAG100MV1 RZAG100MY1



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: Maximum total cooling/heating capacity [kW]
SHC: Sensible heat capacity [kW]
CPI: Coefficient of the power input
PI: Power input [kW]
compressor + indoor and outdoor fan motors

- Notes**
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
 - = Maximum at standard conditions
 - = Rated capacity and rated coefficient of the power input
The maximum capacity is not guaranteed except at standard conditions.
 - SHC is based on indoor units EWB & EDB.
SHC for other dry-bulb temperatures = SHC + SHC*
SHC* = SHC correction for other dry-bulb temperatures
= 0.02 x AFR (m³/min) x (1-BF) x (DB* - EDB)
 - The capacities are based on the following conditions:
Outdoor air: 85% RH
However, the outdoor ambient condition of the rated capacity during heating operation is 7°C DB / 6°C WB.
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
 - CPI is a percentage value compared to the rated value which is 1.00.
 - The error rate for this value is less than 5% and depends on the indoor unit type.
 - The heating performance takes into account the drop that occurs during defrost operation.
 - The air flow rate and bypass factor are mentioned in the table.

Pair		FCAGH100G	FCAG100A	FAA100A	FVA100A	FHA100A	FUA100A	FBA100A
AFR	32.3	22.8	26.0	28.0	28.0	31.0	29.0	
	(0.17)	(0.17)	(0.10)	(0.20)	(0.09)	(0.20)	(0.03)	
Twin		FCAG50A X 2	FHA50A X 2	FFA50A X 2	FDXMS0F3 X 2	FBA50A X 2	FNA50A X 2	
AFR	12.6 x 2	15.0 x 2	17.0 x 2	15.8 x 2	15.0 x 2	16.0 x 2		
	(0.22 x 2)	(0.18 x 2)	(0.16 x 2)	(0.11 x 2)	(0.13 x 2)	(0.11 x 2)		
Triple		FCAG35A X 3	FHA35A X 3	FFA35A X 3	FDXMS3F3 X 3	FBA35A X 3	FNA35A X 3	
AFR	12.5 x 3	14.0 x 3	10.0 x 3	8.7 x 3	15.0 x 3	8.7 x 3		
	(0.40 x 3)	(0.17 x 3)	(0.25 x 3)	(0.17 x 3)	(0.08 x 3)	(0.17 x 3)		

Indoor		Outdoor temperature (°C DB)											
		25			30			35			40		
°CWB	°CDB	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
16.0	22	11.20	7.61	1.01	10.85	7.44	1.11	10.50	7.29	1.22	10.11	7.09	1.32
18.0	25	11.80	7.59	1.01	11.37	7.49	1.12	11.00	7.27	1.23	10.55	7.09	1.33
19.0	27	12.00	7.57	1.02	11.62	7.44	1.12	11.20	7.26	1.23	10.80	7.04	1.33
19.5	27	12.15	7.59	1.02	11.74	7.47	1.13	11.43	7.34	1.23	10.91	7.04	1.34
22.0	30	12.80	7.52	1.02	12.37	7.36	1.13	11.90	7.16	1.24	11.52	7.03	1.35
24.0	32	13.30	7.42	1.03	12.88	7.27	1.14	12.40	7.06	1.25	11.97	6.91	1.36

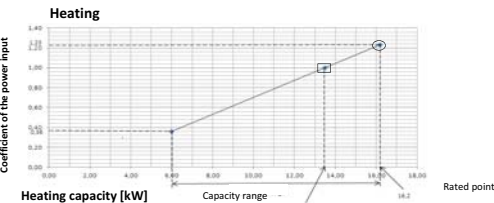
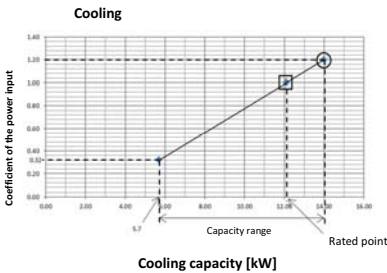
Indoor		Outdoor temperature (°C WB)											
		-15.0		-10.0		-5.0		0.0		6.0		10.0	
°CDB	kW	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
16	8.58	0.92	0.45	0.98	1.01	1.02	1.04	1.05	1.06	1.23	1.11	1.38	1.18
18	8.57	0.97	0.44	1.02	1.00	1.06	1.03	1.09	1.23	1.16	1.38	1.23	
20	8.56	1.00	0.43	1.06	1.00	1.11	1.03	1.13	1.28	1.21	1.38	1.27	
21	8.56	1.02	0.42	1.08	1.00	1.12	1.03	1.15	1.28	1.23	1.38	1.30	
22	8.55	1.04	0.42	1.10	1.00	1.14	1.03	1.18	1.28	1.26	1.38	1.32	
24	8.54	1.08	0.41	1.14	1.00	1.19	1.03	1.22	1.28	1.31	1.38	1.37	

9. The rated power input for each model is mentioned in the table below.

Pair		FCAGH100G	FCAG100A	FAA100A	FVA100A	FHA100A	FUA100A	FBA100A
Cooling	1.88	2.15	2.14	2.24	1.95	2.24	2.26	
	Heating	2.12	2.72	3.45	2.88	2.58	2.62	2.78
Twin		FCAG50A X 2	FHA50A X 2	FFA50A X 2	FDXMS0F3 X 2	FBA50A X 2	FNA50A X 2	
Cooling	1.94	1.95	2.50	1.89	1.98	1.98		
	Heating	2.04	2.55	3.16	2.47	2.68		
Triple		FCAG35A X 3	FHA35A X 3	FFA35A X 3	FDXMS3F3 X 3	FBA35A X 3	FNA35A X 3	
Cooling	1.74	1.44	2.02	1.99	2.21	1.99		
	Heating	2.07	2.06	3.14	2.85	2.23	2.85	

3D112141

RZAG125MV1 RZAG125MY1



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: Maximum total cooling/heating capacity [kW]
SHC: Sensible heat capacity [kW]
CPI: Coefficient of the power input
PI: Power input [kW]
compressor + indoor and outdoor fan motors

- Notes**
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
 - = Maximum at standard conditions
 - = Rated capacity and rated coefficient of the power input
The maximum capacity is not guaranteed except at standard conditions.
 - SHC is based on indoor units EWB & EDB.
SHC for other dry-bulb temperatures = SHC + SHC*
SHC* = SHC correction for other dry-bulb temperatures
= 0.02 x AFR (m³/min) x (1-BF) x (DB* - EDB)
 - The capacities are based on the following conditions:
Outdoor air: 85% RH
However, the outdoor ambient condition of the rated capacity during heating operation is 7°C DB / 6°C WB.
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
 - CPI is a percentage value compared to the rated value which is 1.00.
 - The error rate for this value is less than 5% and depends on the indoor unit type.
 - The heating performance takes into account the drop that occurs during defrost operation.
 - The air flow rate and bypass factor are mentioned in the table.

Pair		FCAGH125G	FCAG125A	FDA125A	FVA125A	FHA125A	FUA125A	FBA125A
AFR	33.5	26.0	39.0	28.0	31.0	32.5	34.0	
	(0.19)	(0.21)	(0.16)	(0.16)	(0.14)	(0.19)	(0.06)	
Twin		FCAG60A X 2	FHA60A X 2	FFA60A X 2	FDXMS0F3 X 2	FBA60A X 2	FNA60A X 2	
AFR	13.6 x 2	15.5 x 2	14.5 x 2	16.0 x 2	18.0 x 2	16.0 x 2		
	(0.20 x 2)	(0.20 x 2)	(0.11 x 2)	(0.12 x 2)	(0.18 x 2)	(0.12 x 2)		
Triple		FCAG50A X 3	FHA50A X 3	FFA50A X 3	FDXMS0F3 X 3	FBA50A X 3	FNA50A X 3	
AFR	12.6 x 3	15.0 x 3	12.0 x 3	15.8 x 3	15.0 x 3	16.0 x 3		
	(0.22 x 3)	(0.18 x 3)	(0.16 x 3)	(0.11 x 3)	(0.13 x 3)	(0.11 x 3)		
Double twin		FCAG35A X 4	FHA35A X 4	FFA35A X 4	FDXMS3F3 X 4	FBA35A X 4	FNA35A X 4	
AFR	12.5 x 4	14.0 x 4	10.0 x 4	8.7 x 4	15.0 x 4	8.7 x 4		
	(0.40 x 4)	(0.17 x 4)	(0.25 x 4)	(0.17 x 4)	(0.08 x 4)	(0.17 x 4)		

Indoor		Outdoor temperature (°C DB)											
		25			30			35			40		
°CWB	°CDB	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
16.0	22	14.30	9.54	0.99	14.80	9.50	1.09	15.30	9.15	1.30	14.80	8.75	1.39
18.0	25	14.70	9.50	0.99	15.20	9.35	1.09	15.70	9.09	1.30	15.20	8.83	1.39
19.0	27	15.00	9.52	1.00	15.50	9.30	1.10	16.00	9.06	1.30	15.50	8.87	1.31
19.5	27	15.22	9.52	1.00	15.88	9.26	1.11	16.15	9.08	1.30	15.84	8.83	1.31
22.0	30	16.00	9.35	1.00	16.47	9.15	1.11	16.90	8.95	1.31	16.38	8.75	1.32
24.0	32	16.70	9.31	1.01	17.10	9.09	1.11	17.50	8.83	1.31	16.97	8.63	1.33

9. The rated power input for each model is mentioned in the table below.

Pair		FCAGH125G	FCAG125A	FDA125A	FVA125A	FHA125A	FUA125A	FBA125A
Cooling	2.81	3.17	3.17	3.72	2.94	3.98	3.64	
	Heating	3.02	5.83	3.61	4.63	4.21	4.24	3.75
Twin		FCAG60A X 2	FHA60A X 2	FFA60A X 2	FDXMS0F3 X 2	FBA60A X 2	FNA60A X 2	
Cooling	2.57	2.78	3.09	2.42	3.21	2.47		
	Heating	3.45	4.31	3.63	3.63	3.32	3.63	
Triple		FCAG50A X 3	FHA50A X 3	FFA50A X 3	FDXMS3F3 X 3	FBA50A X 3	FNA50A X 3	
Cooling	2.25	2.69	2.78	2.09	3.10	2.09		
	Heating	2.84	3.28	3.26	2.92	3.13	2.92	
Double twin		FCAG35A X 4	FHA35A X 4	FFA35A X 4	FDXMS3F3 X 4	FBA35A X 4	FNA35A X 4	
Cooling	2.06	2.05	2.43	2.36	2.93	2.34		
	Heating	2.59	2.86	3.50	3.44	2.87	3.44	

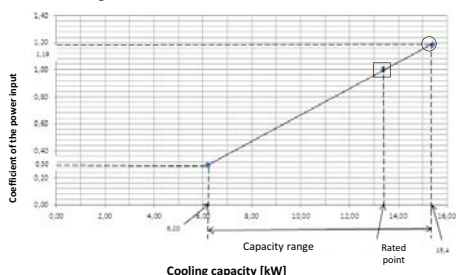
3D112142

6 Capacity tables

6 - 2 Cooling/Heating Capacity Tables

RZAG140MV1 RZAG140MY1

Cooling



- Notes
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
 - = Maximum at standard conditions
□ = Rated capacity and rated coefficient of the power input
The maximum capacity is not guaranteed except at standard conditions.
 - SHC is based on indoor units EWB & EDB.
SHC for other dry-bulb temperatures = SHC + SHC*
SHC* = SHC correction for other dry-bulb temperatures
= 0.02 x AFR (m³/min) x (1-BF) x (DB* - EDB)
 - The capacities are based on the following conditions:
Outdoor air: 35% RH
However, the outdoor ambient condition of the rated capacity during heating operation is 7°C DB / 6°C WB.
Corresponding refrigerant piping length: 5.0 m
Level difference: 0 m
 - CPI is a percentage value compared to the rated value which is 1.00.
 - The error rate for this value is less than 5% and depends on the indoor unit type.
 - The heating performance takes into account the drop that occurs during defrost operation.
 - The air flow rate and bypass factor are mentioned in the table.

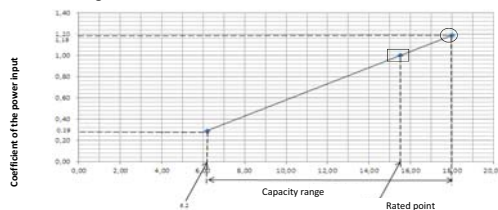
Pair	FCAHG140G	FCAG140A	FVA140A	FHA140A	FBA140A
AFR	33.5	26.0	30.0	34.0	34.0
(BF)	(0.15)	(0.13)	(0.18)	(0.17)	(0.06)

Twin	FCAHG71G X 2	FCAG71A X 2	FAA71A X 2	FHA71A X 2	FUA71A X 2	FBA71A X 2	FVA71A X 2
AFR	21.2 x 2	15.3 x 2	18.0 x 2	20.5 x 2	23.0 x 2	18.0 x 2	18.0 x 2
(BF)	(0.20 x 2)	(0.14 x 2)	(0.16 x 2)	(0.13 x 2)	(0.24 x 2)	(0.13 x 2)	(0.16 x 2)

Triple	FCAG50A X 3	FHA50A X 3	FFA50A X 3	FDXM50F3 X 3	FBA50A X 3	FNA50A X 3
AFR	12.6 x 3	15.0 x 3	12.0 x 3	15.8 x 3	15.0 x 3	16.0 x 3
(BF)	(0.22 x 3)	(0.18 x 3)	(0.16 x 3)	(0.11 x 3)	(0.13 x 3)	(0.11 x 3)

Double twin	FCAG35A X 4	FHA35A X 4	FFA35A X 4	FDXM35F3 X 4	FBA35A X 4	FNA35A X 4
AFR	12.5 x 4	14.0 x 4	10.0 x 4	8.7 x 4	15.0 x 4	8.7 x 4
(BF)	(0.40 x 4)	(0.20 x 4)	(0.25 x 4)	(0.17 x 4)	(0.08 x 4)	(0.17 x 4)

Heating



- 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: Maximum total cooling/heating capacity [kW]
SHC: Sensible heat capacity [kW]
CPI: Coefficient of the power input
PI: Power input [kW]
compressor + indoor and outdoor fan motors

Cooling

		Outdoor temperature (°C DB)											
		25			30			35			40		
Indoor		TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
TCWB	TCDB												
16.0	22	15.30	10.47	0.98	14.93	10.25	1.08	14.44	10.03	1.18	13.80	9.60	1.28
18.0	25	16.17	10.55	0.98	15.62	10.21	1.09	15.11	10.01	1.19	14.52	9.71	1.30
19.0	27	16.58	10.43	0.99	15.96	10.18	1.07	15.46	9.98	1.19	14.83	9.76	1.30
19.5	27	16.74	10.49	0.99	16.14	10.15	1.10	15.57	10.00	1.19	14.93	9.66	1.30
22.0	30	17.61	10.37	0.99	17.01	10.16	1.10	16.36	9.93	1.21	15.76	9.60	1.31
22.0	32	18.38	10.20	1.00	17.74	10.00	1.11	17.04	9.87	1.22	16.43	9.47	1.32

Heating

		Outdoor temperature (°C WB)											
		-15.0			-10.0			-5.0			0.0		
Indoor		TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
TCWB	TCDB												
16	11.6	0.91	12.7	0.97	13.6	1.00	13.9	1.03	18.0	1.09	19.4	1.16	
18	11.6	0.95	12.7	1.00	13.6	1.04	13.9	1.07	18.0	1.14	19.4	1.21	
20	11.6	0.99	12.7	1.05	13.6	1.09	13.9	1.11	18.0	1.19	19.4	1.25	
21	11.5	1.00	12.7	1.06	13.6	1.11	13.9	1.13	18.0	1.21	19.4	1.28	
22	11.5	1.02	12.7	1.08	13.6	1.12	13.9	1.16	18.0	1.24	19.4	1.30	
24	11.5	1.07	12.6	1.12	13.6	1.17	13.9	1.20	18.0	1.29	19.4	1.35	

9. The rated power input for each model is mentioned in the table below.

Pair	FCAHG140G	FCAG140A	FVA140A	FHA140A	FBA140A
Cooling	3.44	4.21	4.61	4.49	4.30
Heating	3.49	5.83	5.56	3.46	5.04

Twin	FCAHG71G X 2	FCAG71A X 2	FAA71A X 2	FHA71A X 2	FUA71A X 2	FBA71A X 2	FVA71A X 2
Cooling	2.71	3.53	3.77	3.64	3.30	3.49	4.13
Heating	2.79	4.79	3.05	3.10	2.90	4.82	5.24

Triple	FCAG50A X 3	FHA50A X 3	FFA50A X 3	FDXM50F3 X 3	FBA50A X 3	FNA50A X 3
Cooling	3.10	3.85	3.93	2.95	3.59	2.95
Heating	4.46	2.96	5.18	3.96	4.29	3.96

Double twin	FCAG35A X 4	FHA35A X 4	FFA35A X 4	FDXM35F3 X 4	FBA35A X 4	FNA35A X 4
Cooling	2.82	2.86	3.34	3.34	3.35	3.34
Heating	5.84	3.31	5.60	4.67	3.81	4.67

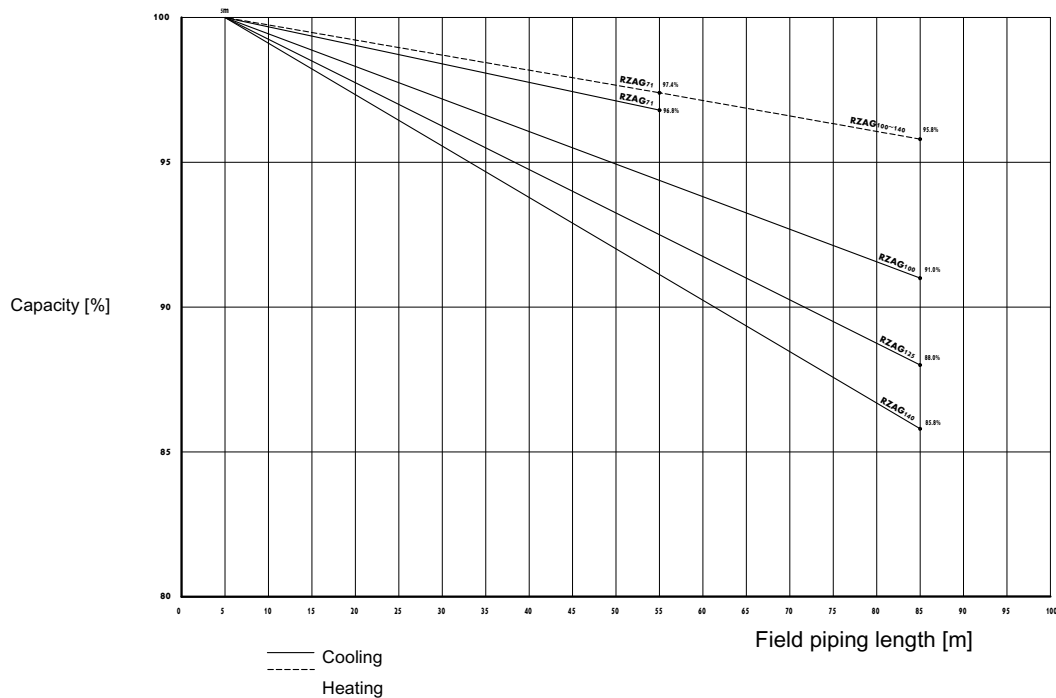
3D112143

6 Capacity tables

6 - 3 Capacity Correction Factor

RZAG-MV1
RZAG-MY1

Capacity in function of field piping length



3D112162

7 Dimensional drawings

7 - 1 Dimensional Drawings

AZAS100-140MV1

AZAS-MY1

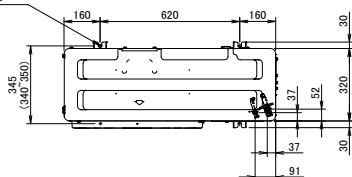
RZAG71MV1

RZAG71MY1

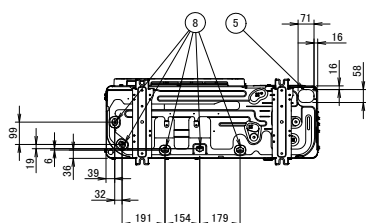
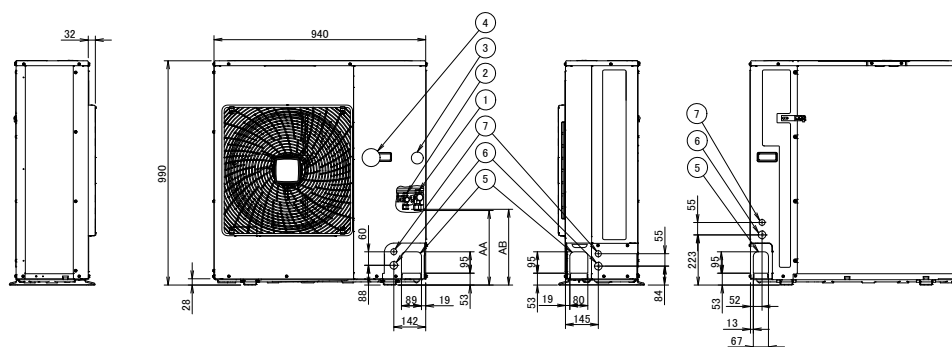
RZASG100-140MV1

RZASG-MY1

4 holes for anchor bolts
M12



Model	AA	AB
RZAG71* / RZASG100-125* / AZAS100-125*	331	337
RZASG140* / AZAS140*	414	420



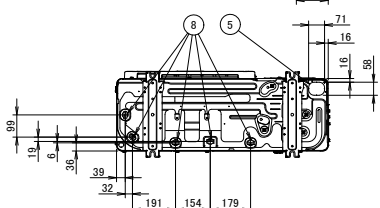
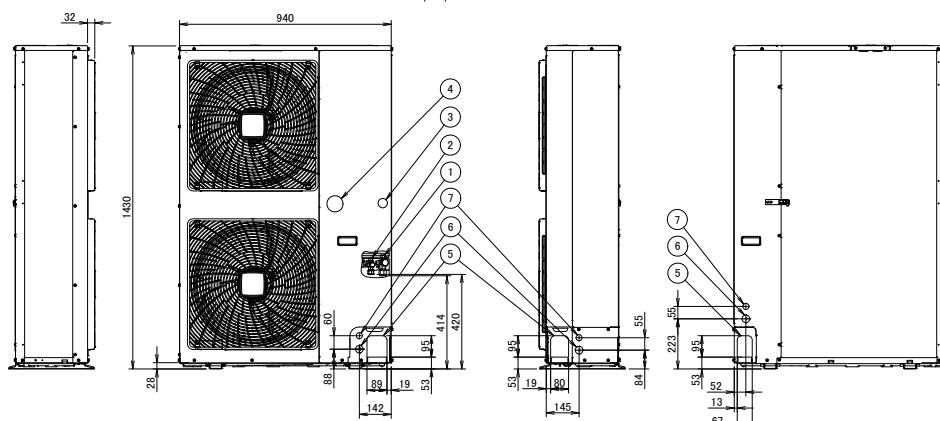
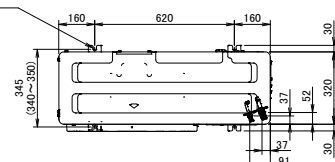
- ① Gas pipe connection $\varnothing 15.9$ flare
- ② Liquid pipe connection $\varnothing 9.5$ flare
- ③ Service port (in the unit)
- ④ Electronic connection and grounding terminal M5 (in the switch box)
- ⑤ Refrigerant piping intake
- ⑥ Power supply wiring intake (knockout hole $\varnothing 34$)
- ⑦ Control wiring intake (knockout hole $\varnothing 27$)
- ⑧ Drain outlet

3D110011

RZAG100-140MV1

RZAG100-140MY1

4 holes for anchor bolts
M12



- ① Gas pipe connection $\varnothing 15.9$ flare
- ② Liquid pipe connection $\varnothing 9.5$ flare
- ③ Service port (in the unit)
- ④ Electronic connection and grounding terminal M5 (in the switch box)
- ⑤ Refrigerant piping intake
- ⑥ Power supply wiring intake (knockout hole $\varnothing 34$)
- ⑦ Control wiring intake (knockout hole $\varnothing 27$)
- ⑧ Drain outlet

3D110012

8 Centre of gravity

8 - 1 Centre of Gravity

AZAS100-140MV1

AZAS-MY1

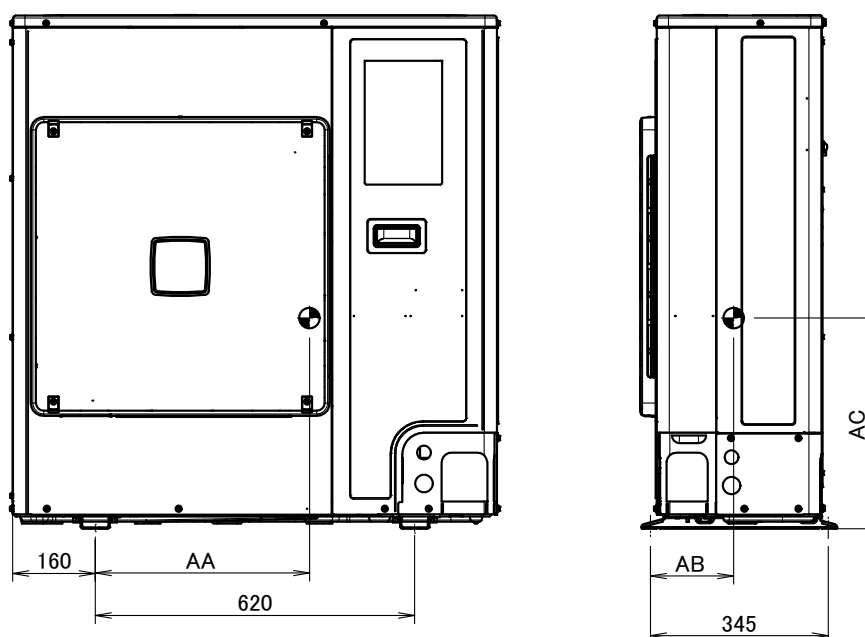
RZAG71MV1

RZAG71MY1

RZASG100-140MV1

RZASG-MY1

8



Model	AA	AB	AC
RZAG71M7V*	414	163	407
RZAG71M7Y*	432	137	407
RZASG100-125M7V* / AZAS100-125M7V*	425	181	422
RZASG100-125M7Y* / AZAS100-125M7Y*	414	156	417
RZASG140M7V* / AZAS140M7V*	414	161	423
RZASG140M7Y* / AZAS140M7Y*	416	151	418

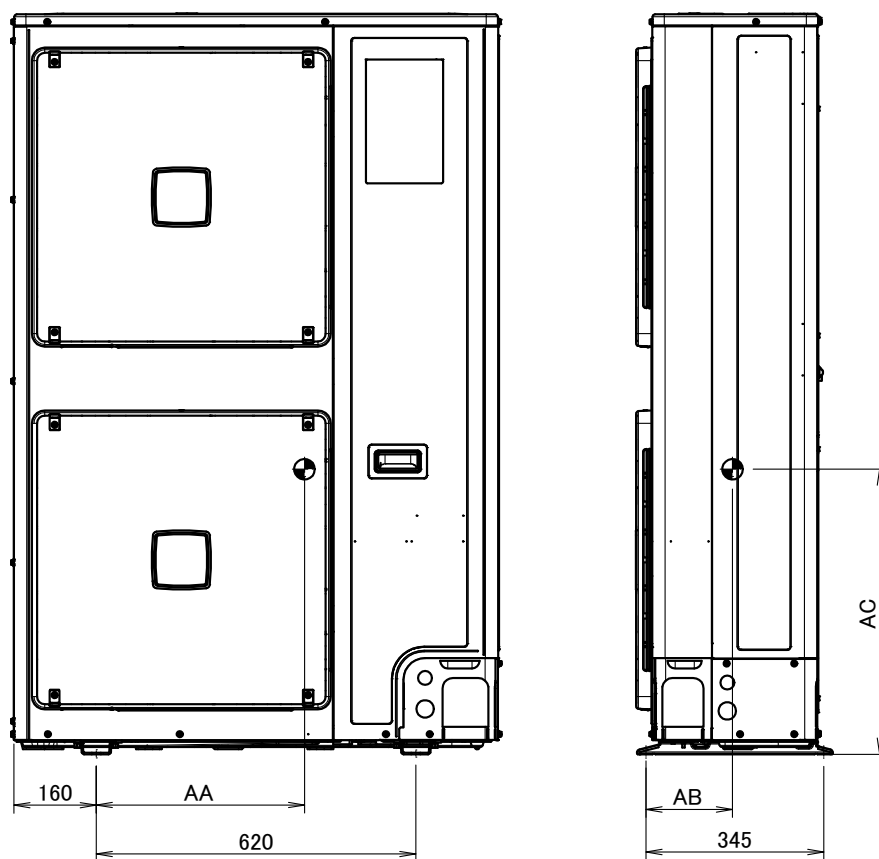
4D110025

8 Centre of gravity

8 - 1 Centre of Gravity

RZAG100-140MV1

RZAG100-140MY1



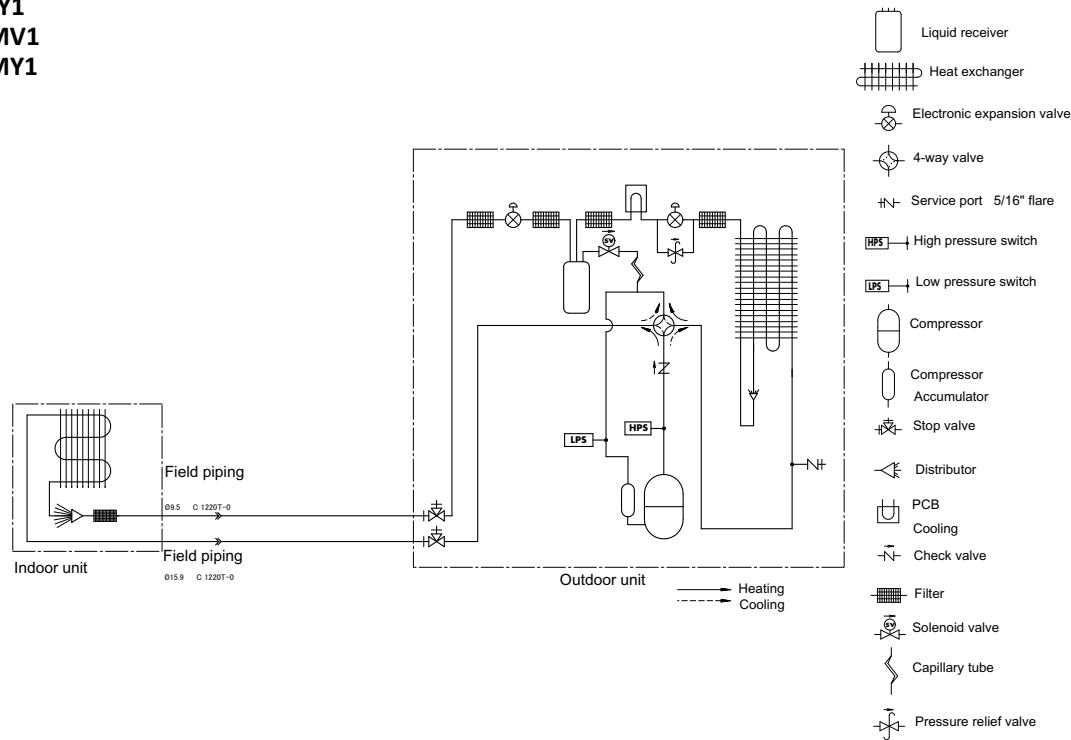
Model	AA	AB	AC
RZAG100-140M7V*	403	176	536
RZAG100-140M7Y*	396	173	572

4D110026

9 Piping diagrams

9 - 1 Piping Diagrams

AZAS-MV1
AZAS-MY1
RZAG-MV1
RZAG-MY1
RZASG-MV1
RZASG-MY1



3D108855A

9 Piping diagrams

9 - 2 Piping Diagram Twin Application

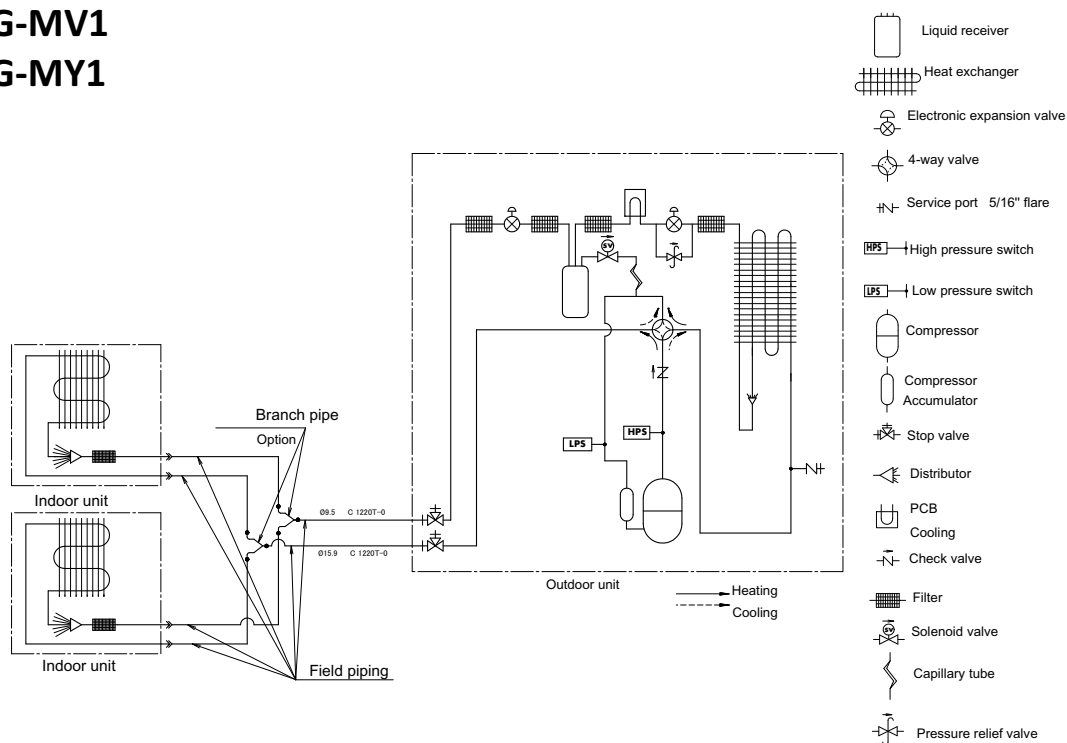
RZAG-MV1

RZAG-MY1

RZASG-MV1

RZASG-MY1

9



Notes

1. The pipes between the branch and the indoor units should have the same size as the indoor connections.

3D108856A

9 Piping diagrams

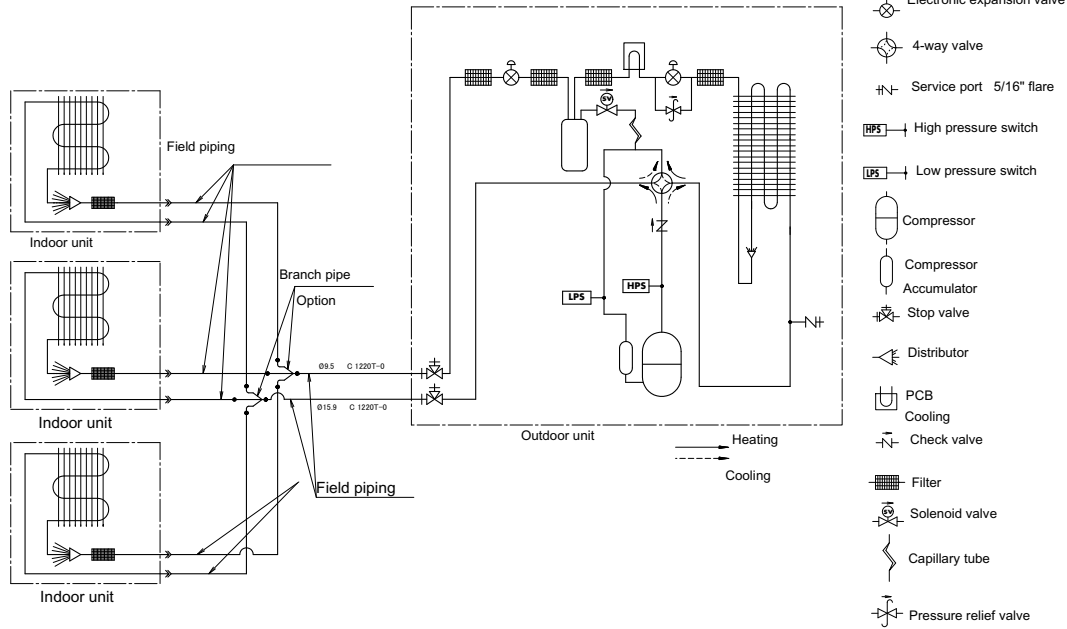
9 - 3 Piping Diagram Triple Application

RZAG100-140MV1

RZAG100-140MY1

RZASG100-140MV1

RZASG-MY1



Notes

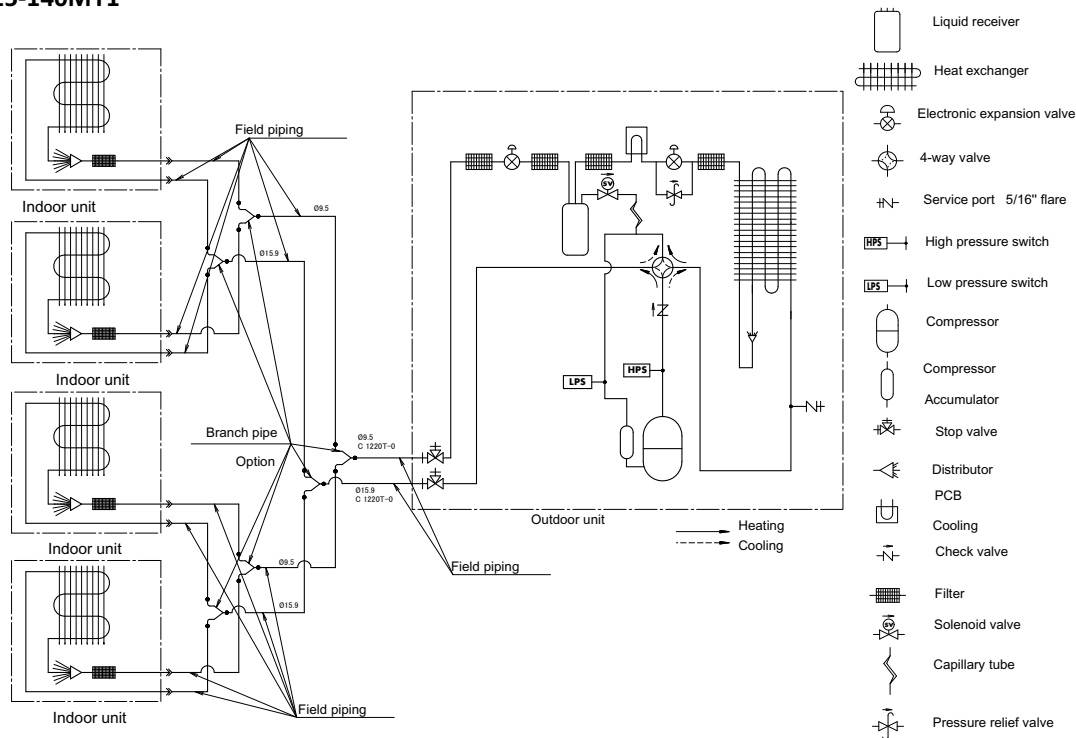
1. The pipes between the branch and the indoor units should have the same size as the indoor connections.

3D108857A

9 Piping diagrams

9 - 4 Piping Diagram Double Twin Application

RZAG125-140MV1
RZAG125-140MY1
RZASG125-140MV1
RZASG125-140MY1



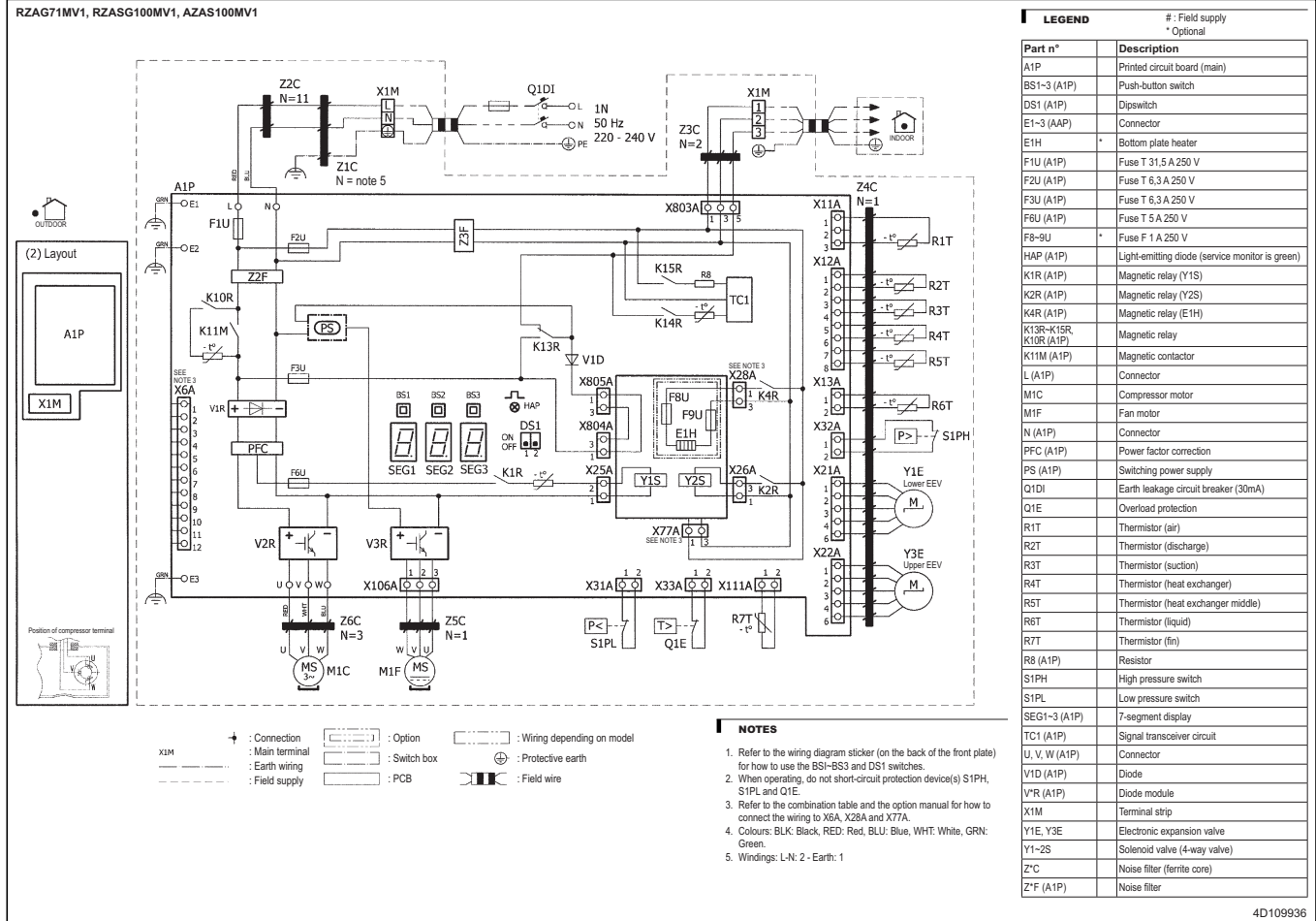
Notes

¹ The pipes between the branch and the indoor units should have the same size as the indoor connections.

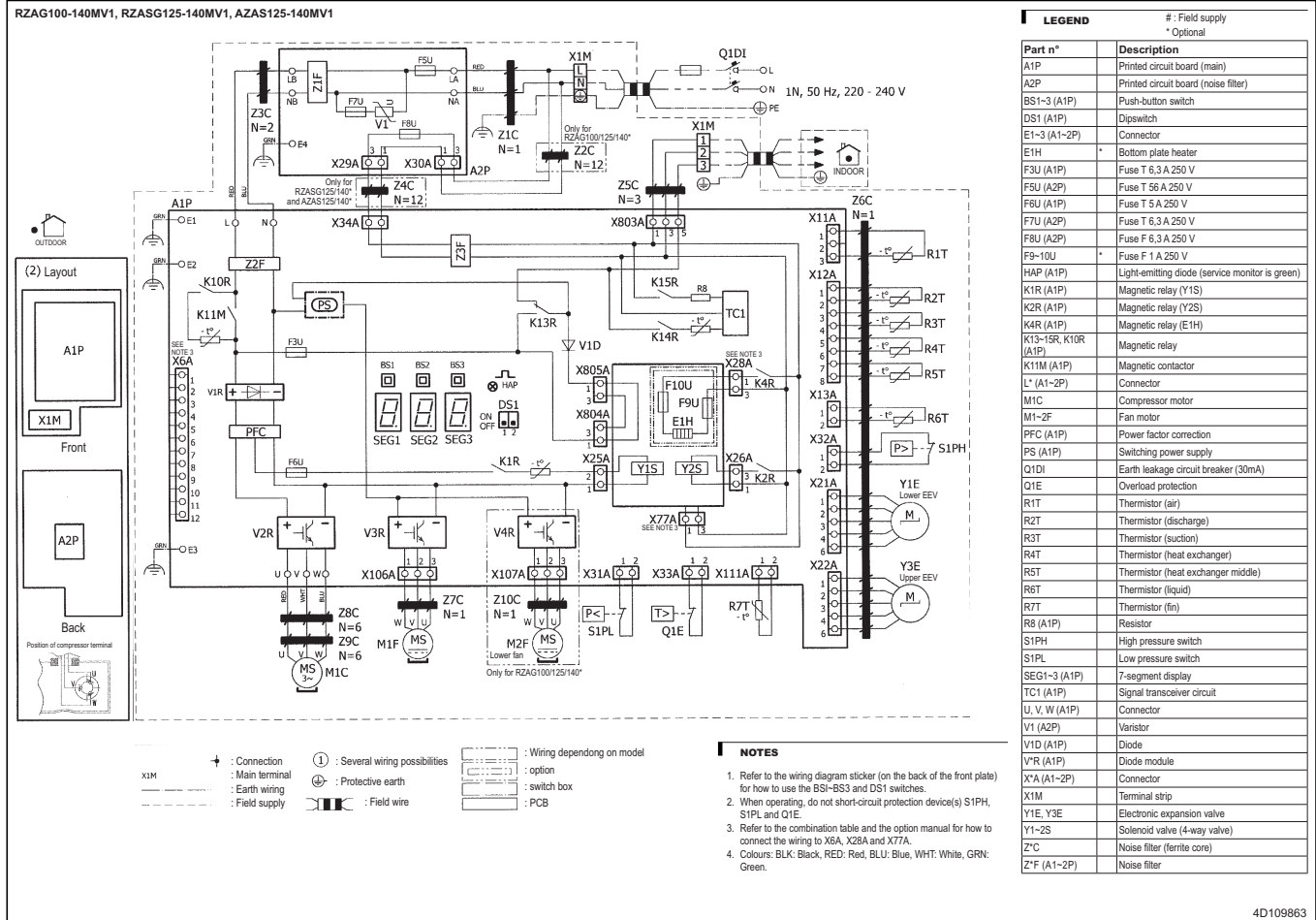
3D108858A

10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase



10

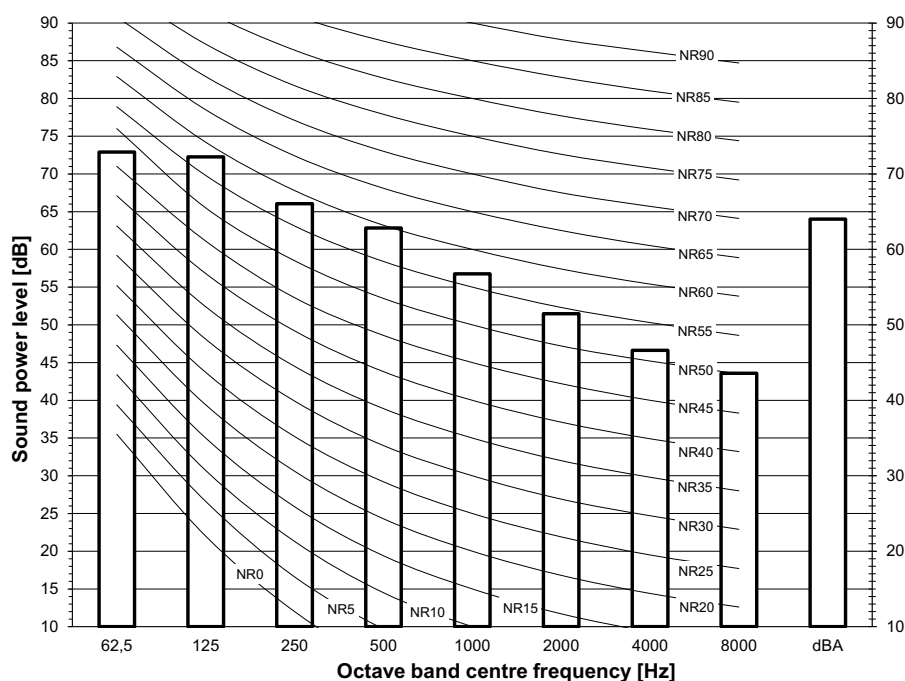


4D109863

11 Sound data

11 - 1 Sound Power Spectrum

RZAG71MV1

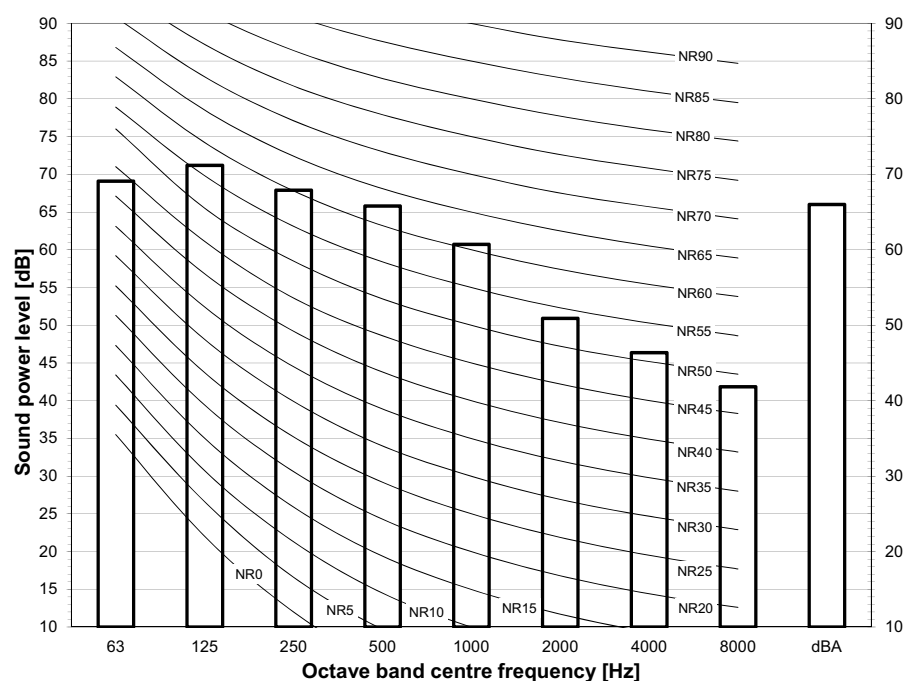


Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6μW/m²
- Measured according to ISO 3744

3D110029

RZAG100MV1



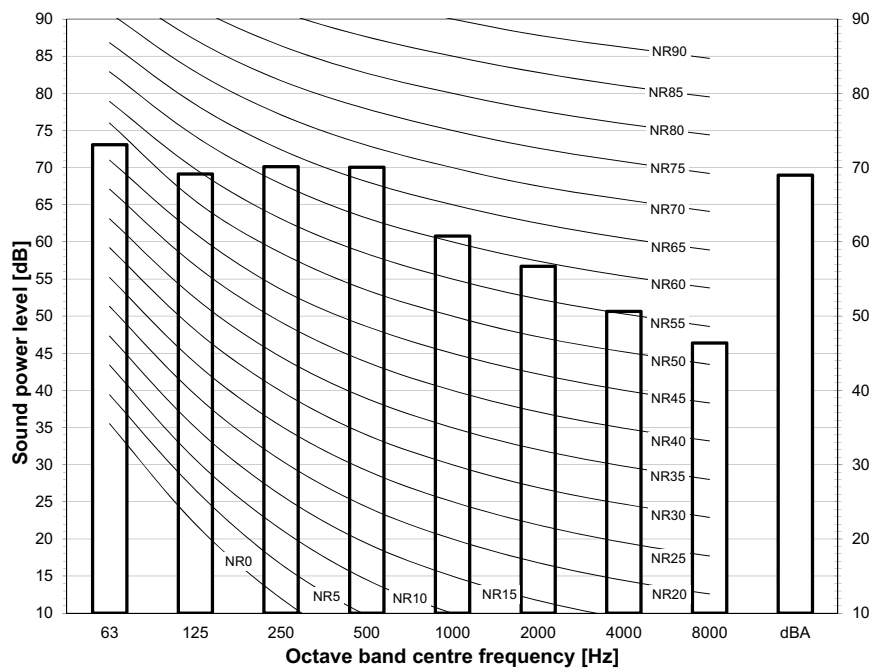
Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6μW/m²
- Measured according to ISO 3744

3D110030

11 Sound data
11 - 1 Sound Power Spectrum

RZAG125MV1

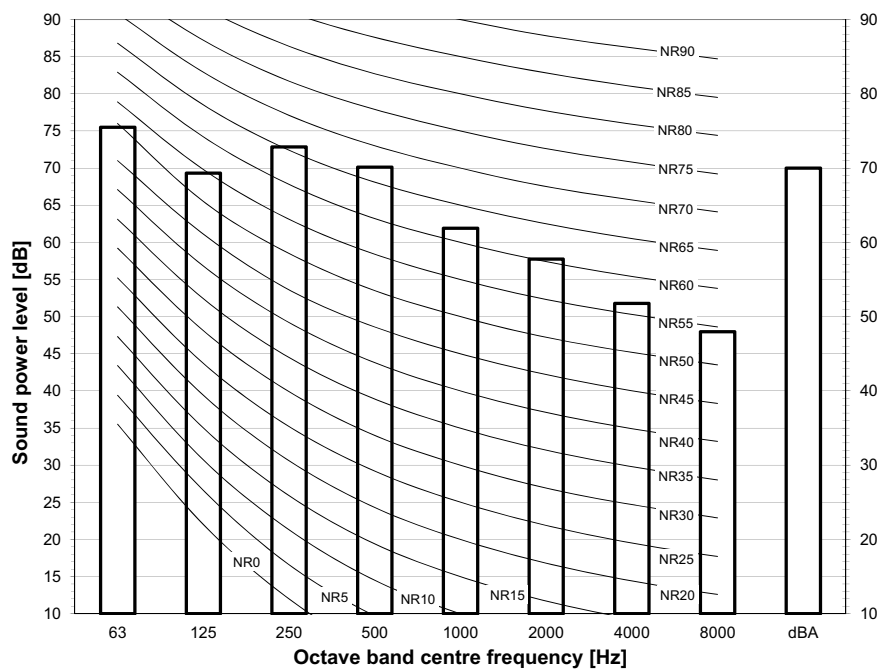


Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6μW/m²
- Measured according to ISO 3744

3D110031

RZAG140MV1



Notes

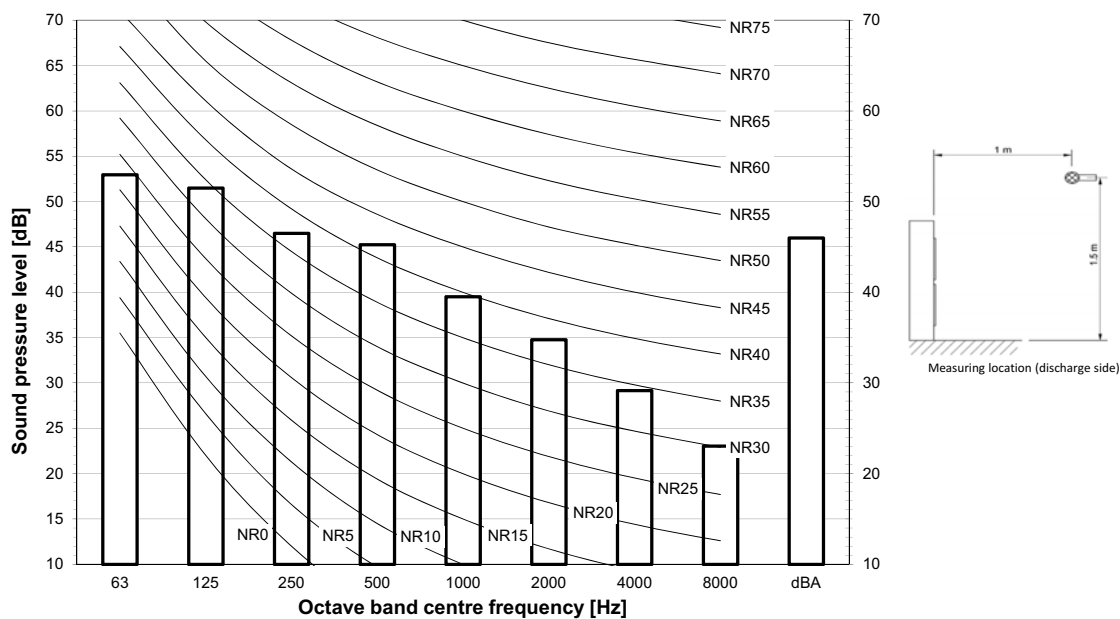
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6μW/m²
- Measured according to ISO 3744

3D110032

11 Sound data

11 - 2 Sound Pressure Spectrum - Cooling

RZAG71MV1

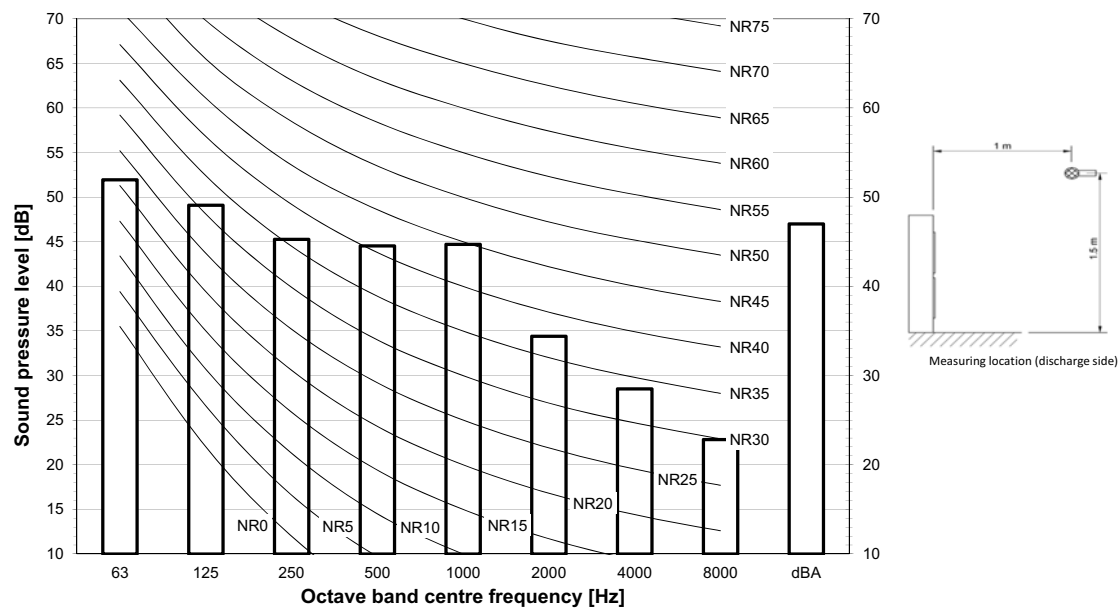


Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D110041

RZAG100MV1



Notes

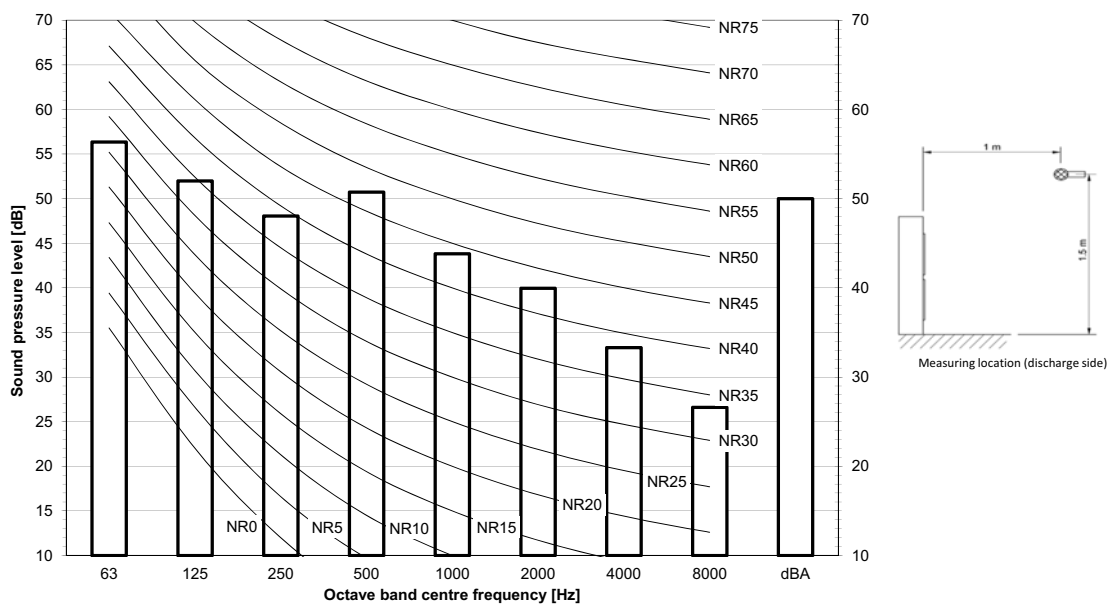
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D110042

11 Sound data

11 - 2 Sound Pressure Spectrum - Cooling

RZAG125MV1

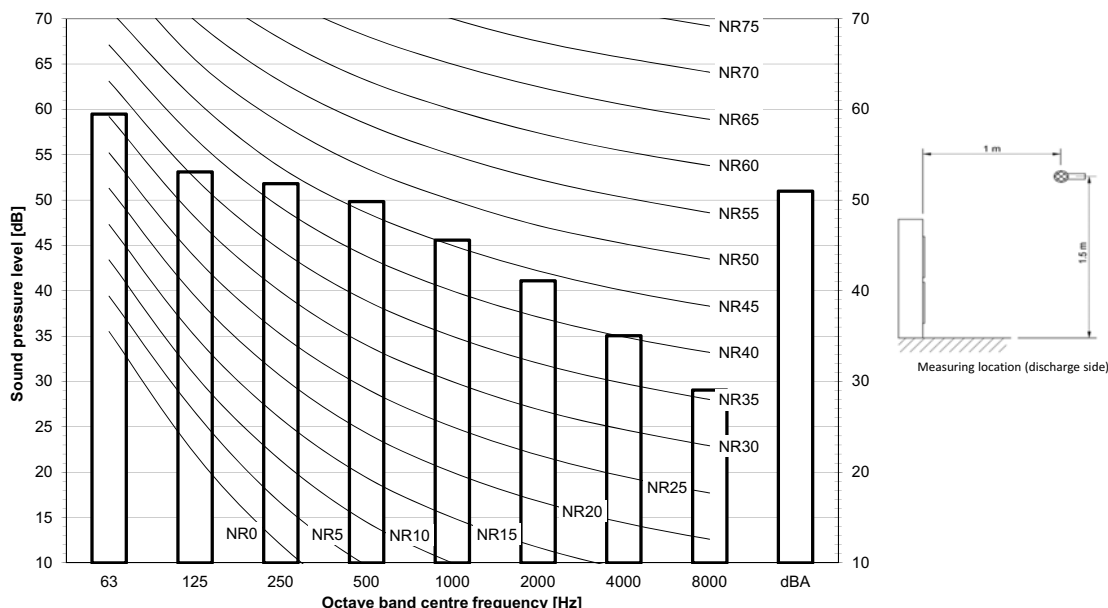


Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa

3D110043

RZAG140MV1



Notes

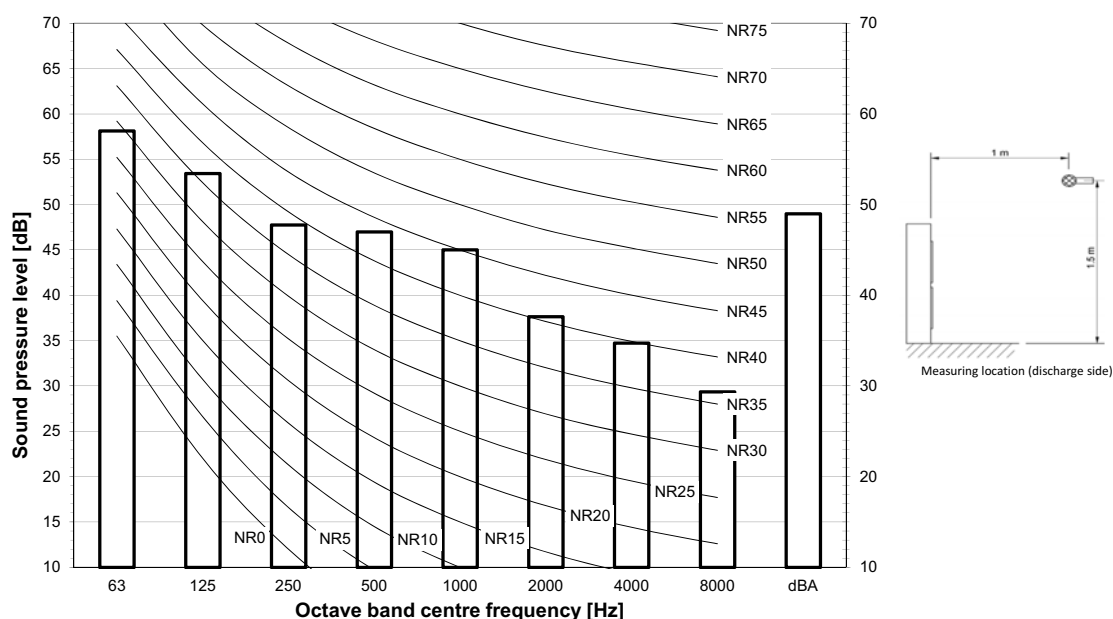
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa

3D110044

11 Sound data

11 - 3 Sound Pressure Spectrum - Heating

RZAG71MV1

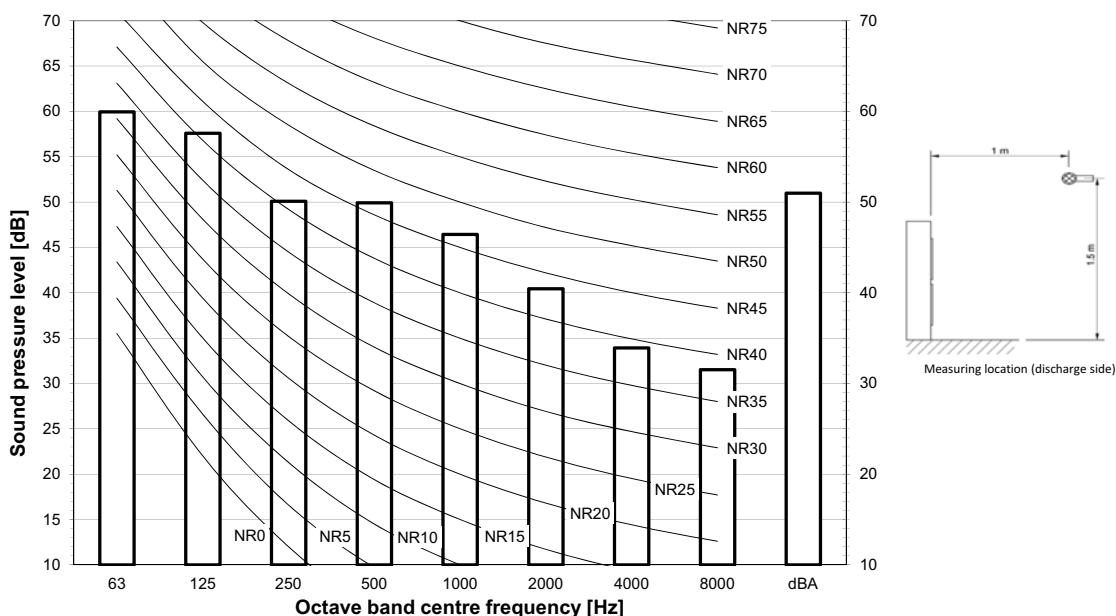


Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D111285

RZAG100MV1



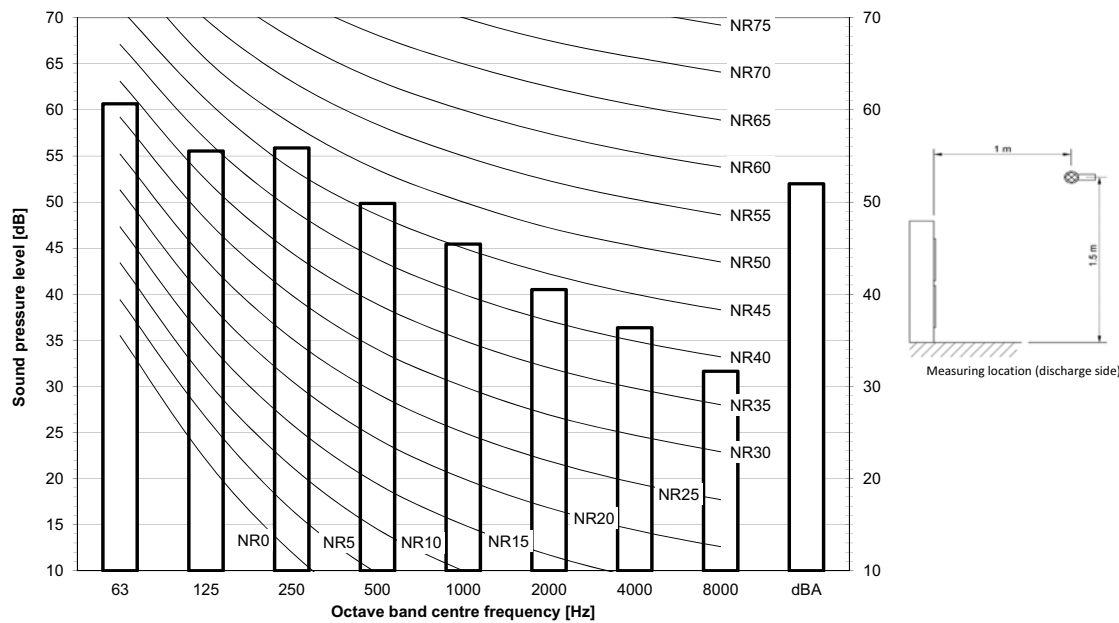
Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D111286

11 Sound data
11 - 3 Sound Pressure Spectrum - Heating

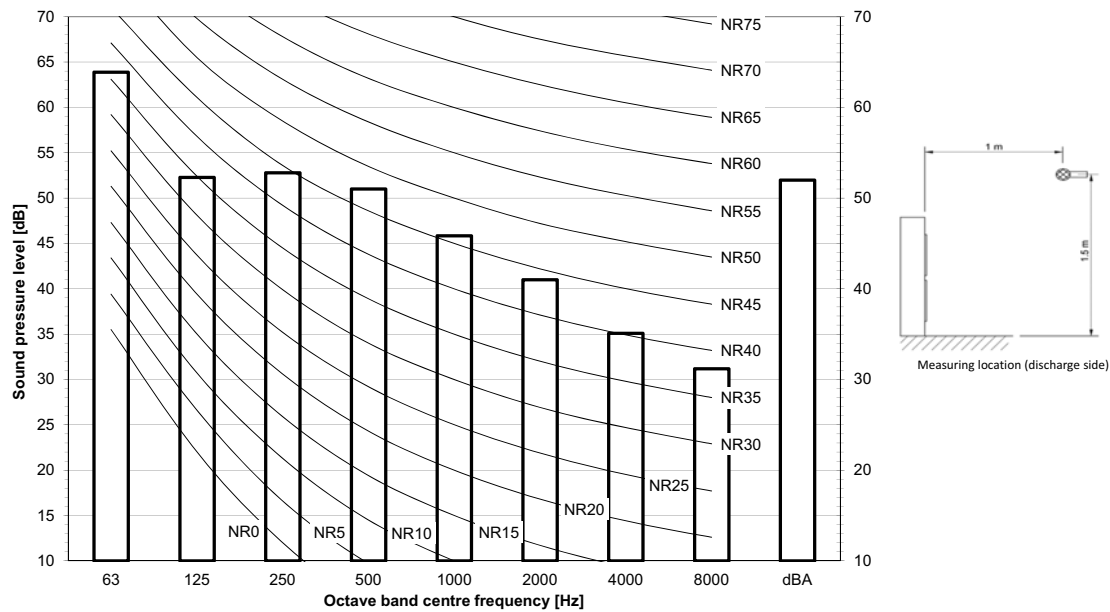
RZAG125MV1



- Notes**
- Data is valid at free field condition.
 - Data is valid at nominal operation condition.
 - dBA = A-weighted sound pressure level (A scale according to IEC).
 - Reference acoustic pressure 0 dB = 20 µPa

3D111287

RZAG140MV1



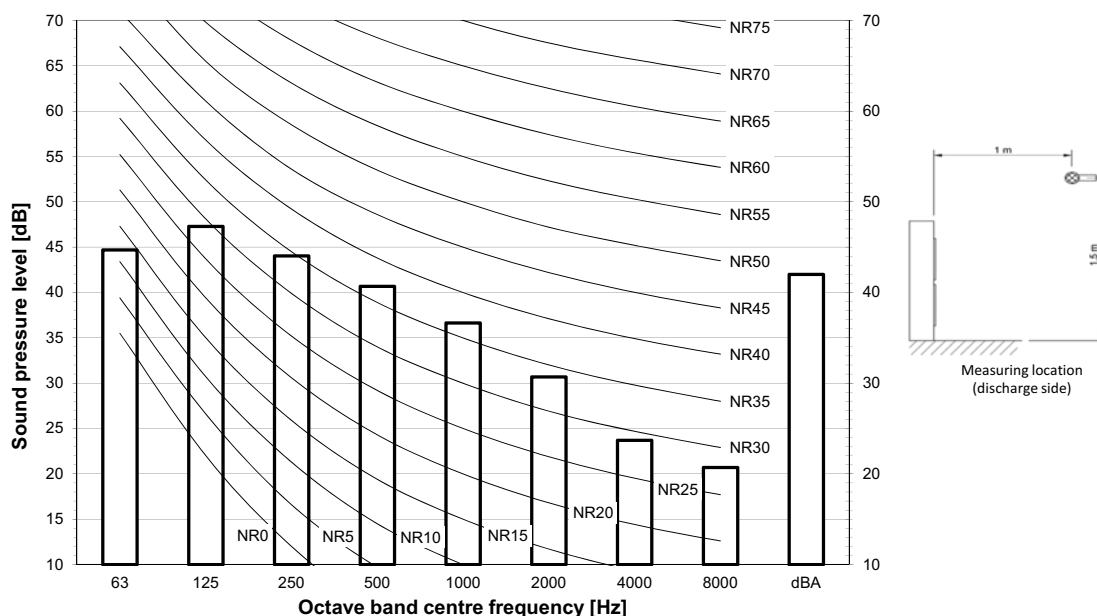
- Notes**
- Data is valid at free field condition.
 - Data is valid at nominal operation condition.
 - dBA = A-weighted sound pressure level (A scale according to IEC).
 - Reference acoustic pressure 0 dB = 20 µPa

3D111288

11 Sound data

11 - 4 Sound Pressure Spectrum Quiet Mode

RZAG71MV1

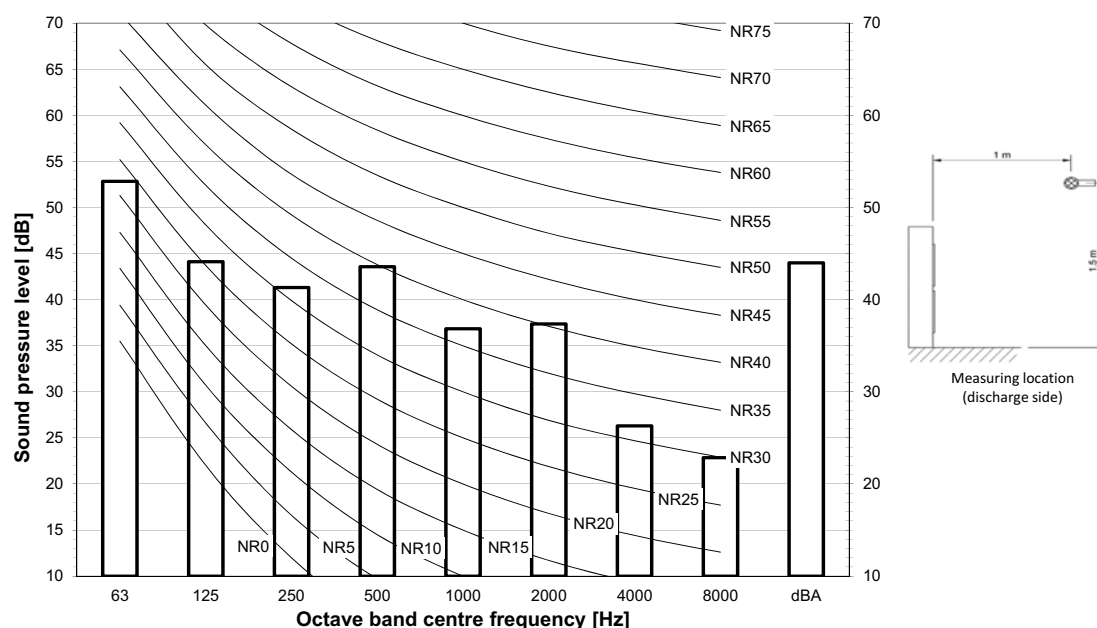


Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D111311

RZAG100-140MV1



Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D111312

12 Installation

12 - 1 Installation Method

RZAG-MV1
RZAG-MY1
RZASG-MV1
RZASG-MY1
AZAS-MV1
AZAS-MY1

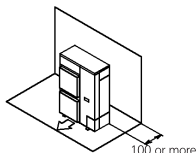
Installation service space

The measure of these values is "mm".

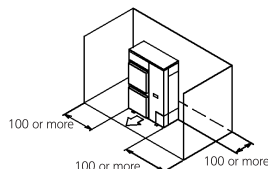
(A) When there are obstacles on suction sides.

• No obstacle above

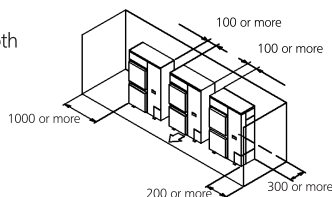
- ① Stand-alone installation
- Obstacle on the suction side only



- Obstacle on both sides and suction side, too

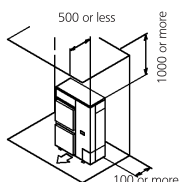


- ② Series installation (2 or more) (Note 1)
- Obstacle on the suction side and both sides

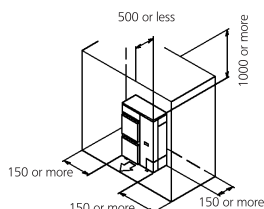


• Obstacle above, too.

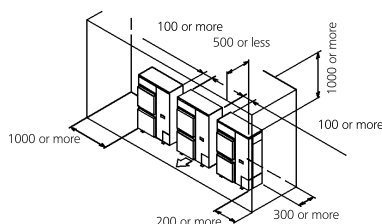
- ① Stand-alone installation
- Obstacle on the suction side, too



- Obstacle on both sides and suction side, too



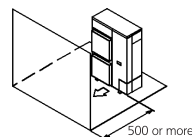
- ② Series installation (2 or more) (Note 1)
- Obstacle on the suction side and both sides



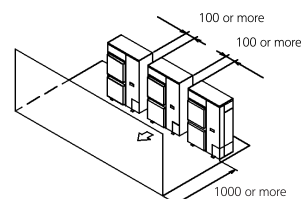
(B) When there are obstacles on discharge sides.

• No obstacle above

- ① Stand-alone installation
- Obstacle on the discharge side only

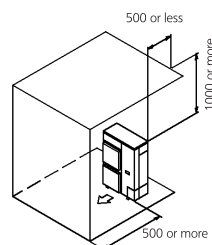


- ② Series installation (2 or more) (Note 1)
- Obstacle on the discharge side only

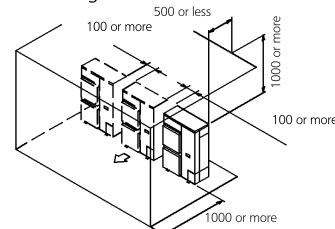


• Obstacle above, too

- ① Stand-alone installation
- Obstacle on the discharge side only, too



- ② Series installation (2 or more) (Note 1)
- Obstacle on the discharge side



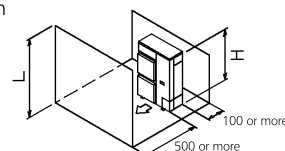
(C) When there are obstacles on both suction and discharge sides.

Pattern 1

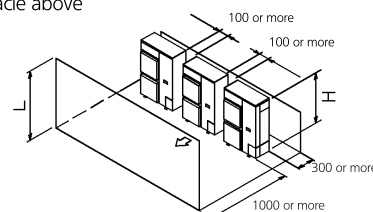
When the obstacles on the discharge side is higher than the unit. (L>H)
(There is no limit for the height of obstructions on the suction side.)

• No obstacle above

- ① Stand-alone installation
- No obstacle above



- ② Series installation (2 or more) (Note 1)
- No obstacle above



3D069554

12 Installation

12 - 1 Installation Method

RZAG-MV1
RZAG-MY1
RZASG-MV1
RZASG-MY1
AZAS-MV1
AZAS-MY1

12

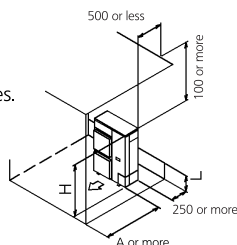
• Obstacle above, too

① Stand-alone installation (Note 2)

- When there are obstacles on suction, discharge and top sides.

The relations between H, A and L are as follows.

	L	A
$L \leq H$	$L \leq 1/2 H$ $1/2 H < L \leq H$	750 or more 1000 or more
$L > H$	Set the stand as : $L \leq H$ Refer to the column of $L \leq H$ for A	



② Series installation (2 or more) (Note 1, 2)

- When there are obstacles on suction, discharge and top sides.

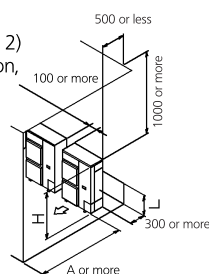
The relations between H, A and L are as follows.

	L	A
$L \leq H$	$L \leq 1/2 H$ $1/2 H < L \leq H$	1000 or more 1250 or more
$L > H$	Set the stand as : $L \leq H$ Refer to the column of $L \leq H$ for A	

Limit of series installation is 2 units.

Pattern 2

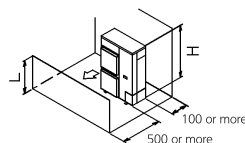
When the obstacle on the discharge side is lower than the unit ($L \leq H$)
(There is no limit for the height of obstructions on the suction side.)



• No obstacle above

① Stand-alone installation

- No obstacle above

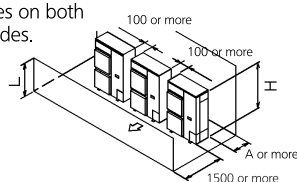


② Series installation (2 or more) (Note 1, 2)

- When there are obstacles on both suction and discharge sides.

The relations between H, A and L are as follows.

	L	A
$L \leq H$	$L \leq 1/2 H$ $1/2 H < L \leq H$	250 or more 300 or more



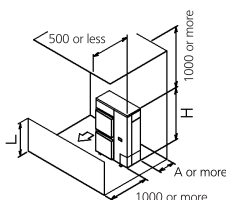
• obstacle above

① Stand-alone installation (Note 2)

- When there are obstacles on suction, discharge and top sides.

The relations between H, A and L are as follows.

	L	A
$L \leq H$	$L \leq 1/2 H$ $1/2 H < L \leq H$	100 or more 200 or more
$L > H$	Set the stand as : $L \leq H$ Refer to the column of $L \leq H$ for A	



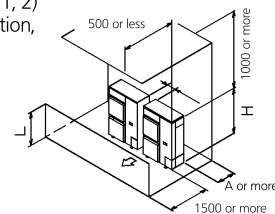
② Series installation (2 or more) (Note 1, 2)

- When there are obstacles on suction, discharge and top sides.

The relations between H, A and L are as follows.

	L	A
$L \leq H$	$L \leq 1/2 H$ $1/2 H < L \leq H$	250 or more 300 or more
$L > H$	Set the stand as : $L \leq H$ Refer to the column of $L \leq H$ for A	

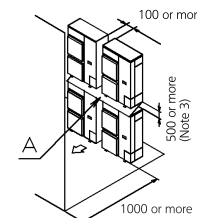
Limit of series installation is 2 units.



(D) Double-decker installation

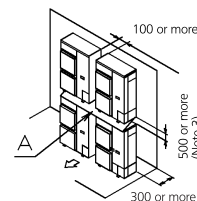
① Obstacle on the discharge side. (1)

- Do not exceed two levels for stacked installation.
- Install a roof cover similar to A (field supply), as outdoor units with downward drainage are prone to dripping and freezing.
- Install the upper-level outdoor unit so that its bottom plate is a sufficient height above the roof cover. This is to prevent the buildup of ice on the underside of the bottom plate.



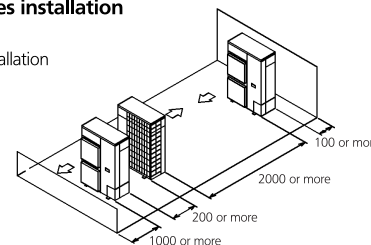
② Obstacle on the suction side. (1)

- Do not exceed two levels for stacked installation.
- Install a roof cover similar to A (field supply), as outdoor units with downward drainage are prone to dripping and freezing.
- Install the upper-level outdoor unit so that its bottom plate is a sufficient height above the roof cover. This is to prevent the buildup of ice on the underside of the bottom plate.



(E) Multiple rows of series installation (on the rooftop, etc.)

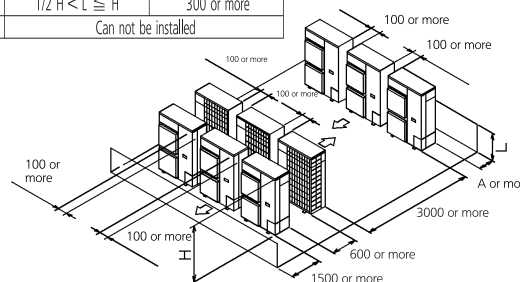
① One row of stand-alone installation



② Rows of series installation (2 or more)

The relations between H, A and L are as follows.

	L	A
$L \leq H$	$L \leq 1/2 H$ $1/2 H < L \leq H$	250 or more 300 or more
$L > H$	Can not be installed	



NOTES

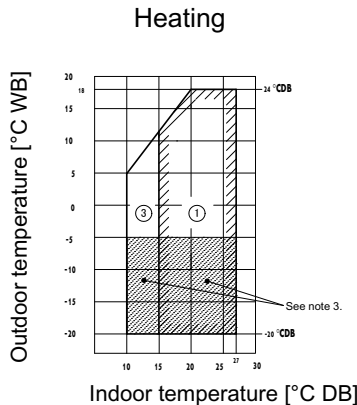
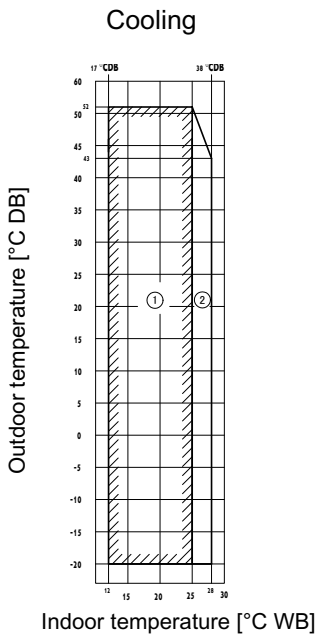
- In case of the sideways piping, make a 100mm gap between the unit above.
- Close the bottom of the installation frame to prevent the discharged air from being bypassed.
- It is not necessary to install a roof cover if there is no danger of drainage dripping and freezing. In this case, the space between the upper and lower outdoor units should be at least 100mm. Close off the gap between the upper and lower units so there is no re-intake of discharged air.

3D069554

13 Operation range

13 - 1 Operation Range

RZAG-MV1
RZAG-MY1



Notes

- 1. Depending on operation and installation conditions, the indoor unit can change over to freeze-up operation (indoor de-icing).
- 2. To reduce the freeze-up operation (indoor de-icing) frequency, it is recommended to install the outdoor unit in a location not exposed to wind.
- 3. If the unit is selected to operate at ambient temperature < -5°C for 5 days or more, with relative humidity of 100%, it is required to install the optional bottom plate heater.

3D110020A

14 Appropriate Indoors

14 - 1 Appropriate Indoors

14

RZAG-MV1/MY1
RZASG-MV1/MY1
AZAS-MV1/MY1

ENER Lot 21

Recommended combinations

Sky Air		High Cassette				Thin cassette						2x2 cassette			Duct (medium ESP)						Concealed floor standing type			Ceiling-mounted - 4-way blow			Wall mounted type		Duct (high ESP)	
Model		FCAG100	FCAG125	FCAG140	FCAG35	FCAG50	FCAG60	FCAG71	FCAG100	FCAG125	FCAG140	FFA35	FFA50	FFA60	FBA35	FBA50	FBA60	FBA71	FBA100	FBA125	FBA140	FMA35	FMA50	FMA60	FUA71	FUA100	FUA125	FAA71	FAA100	FDA125
RZAG125M7V1B	RZAG125M7Y1B		P		4					P					4					P						P				P
RZAG140M7V1B	RZAG140M7Y1B			P	4						P				4					P										
RZASG125M7V1B	RZASG125M7Y1B				4					P					4					P						P				P
RZASG140M7V1B	RZASG140M7Y1B				4					P					4					P										
AZAS125M7V1B	AZAS125M7Y1B									P										P										
AZAS140M7V1B	AZAS140M7Y1B										P									P										

Sky Air		Floor standing type				Slim duct			Ceiling-suspended						Floor standing type	
Model		FVA71	FVA100	FVA125	FVA140	FDM35	FDM50	FDM60	FHA35	FHA50	FHA60	FHA71	FHA100	FHA125	FHA140	A/A125
RZAG125M7V1B	RZAG125M7Y1B			P									P			
RZAG140M7V1B	RZAG140M7Y1B				P									P		
RZASG125M7V1B	RZASG125M7Y1B			P									P			
RZASG140M7V1B	RZASG140M7Y1B				P									P		
AZAS125M7V1B	AZAS125M7Y1B														P	
AZAS140M7V1B	AZAS140M7Y1B															

P= Pair
2= Twin
3= Triple
4= Double twin

3D112646A

14 Appropriate Indoors

14 - 1 Appropriate Indoors

RZAG-MV1/MY1

RZASG-MV1/MY1

AZAS-MV1/MY1

ENER Lot 21

Appropriate indoor units

Connectable to ·RZAG125M7V1B / RZAG125M7Y1B· and covered by ·ENER Lot 21·

FCAG125	FCAG35	FFA35	FBA35	FNA35	FUA125	-	FDA125	FVA125	FDXM35	FHA35	-
-	FCAG50	FFA50	FBA50	FNA50	-	-	-	-	FDXM50	FHA50	-
-	FCAG60	FFA60	FBA60	FNA60	-	-	-	-	FDXM60	FHA60	-
-	FCAG125	-	FBA125	-	-	-	-	-	-	FHA125	-

Connectable to ·RZASG125M7V1B / RZASG125M7Y1B· and covered by ·ENER Lot 21·

-	FCAG35	FFA35	FBA35	FNA35	FUA125	-	FDA125	FVA125	FDXM35	FHA35	-
-	FCAG50	FFA50	FBA50	FNA50	-	-	-	-	FDXM50	FHA50	-
-	FCAG60	FFA60	FBA60	FNA60	-	-	-	-	FDXM60	FHA60	-
-	FCAG125	-	FBA125	-	-	-	-	-	-	FHA125	-

Connectable to ·AZAS125M7V1B / AZAS125M7Y1B· and covered by ·ENER Lot 21·

-	FCAG125	-	FBA125	-	-	-	-	-	-	-	AVA125
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Connectable to ·RZAG140M7V1B / RZAG140M7Y1B· and covered by ·ENER Lot 21·

FCAG71	FCAG35	FFA35	FBA35	FNA35	FUA71	FAA71	-	FVA71	FDXM35	FHA35	-
FCAG140	FCAG50	FFA50	FBA50	FNA50	-	-	-	FVA140	FDXM50	FHA50	-
-	FCAG71	-	FBA71	-	-	-	-	-	-	FHA71	-
-	FCAG140	-	FBA140	-	-	-	-	-	-	FHA140	-

Connectable to ·RZASG140M7V1B / RZASG140M7Y1B· and covered by ·ENER Lot 21·

-	FCAG35	FFA35	FBA35	FNA35	FUA71	FAA71	-	FVA71	FDXM35	FHA35	-
-	FCAG50	FFA50	FBA50	FNA50	-	-	-	FVA140	FDXM50	FHA50	-
-	FCAG71	-	FBA71	-	-	-	-	-	-	FHA71	-
-	FCAG140	-	FBA140	-	-	-	-	-	-	FHA140	-

Connectable to ·AZAS140M7V1B / AZAS140M7Y1B· and covered by ·ENER Lot 21·

-	FCAG140	-	FBA140	-	-	-	-	-	-	-	-
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ENER Lot 10

Appropriate indoor units

Connectable to ·RZAG71M7V1B / RZAG71M7Y1B· and covered by ·ENER Lot 10·

FCAG71	FCAG35	FFA35	FBA35	FNA35	FUA71	FAA71	-	FVA71	FDXM35	FHA35	-
-	FCAG71	-	FBA71	-	-	-	-	-	-	FHA71	-

Connectable to ·RZASG71M2V1B· and covered by ·ENER Lot 10·

-	FCAG35	FFA35	FBA35	FNA35	FUA71	FAA71	-	FVA71	FDXM35	FHA35	-
-	FCAG71	-	FBA71	-	-	-	-	-	-	FHA71	-

Connectable to ·AZAS71M2V1B· and covered by ·ENER Lot 10·

-	FCAG71	-	FBA71	-	-	FAA71	-	-	-	-	-
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Connectable to ·RZAG100M7V1B / RZAG100M7Y1B· and covered by ·ENER Lot 10·

FCAG100	FCAG35	FFA35	FBA35	FNA35	FUA100	FAA100	-	FVA100	FDXM35	FHA35	-
-	FCAG50	FFA50	FBA50	FNA50	-	-	-	-	FDXM50	FHA50	-
-	FCAG100	-	FBA100	-	-	-	-	-	-	FHA100	-

Connectable to ·RZASG100M7V1B / RZASG100M7Y1B· and covered by ·ENER Lot 10·

-	FCAG35	FFA35	FBA35	FNA35	FUA100	FAA100	-	FVA100	FDXM35	FHA35	-
-	FCAG50	FFA50	FBA50	FNA50	-	-	-	-	FDXM50	FHA50	-
-	FCAG100	-	FBA100	-	-	-	-	-	-	FHA100	-

Connectable to ·AZAS100M7V1B / AZAS100M7Y1B· and covered by ·ENER Lot 10·

-	FCAG100	-	FBA100	-	-	FAA100	-	-	-	-	-
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