



Sky Air Advance-series Air Conditioning Technical Data RZASG-MV1



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RZASG-MV1

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1 Features

1 - 1 RZASG-MV1

- › High efficiency: - Energy labels up to A++ (cooling) / A+ (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
- › Very compact and easy to install
- › Replace existing systems with R-32 technology without needing to replace the piping
- › Guarantees operation in both heating and cooling mode down to -15°C
- › Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- › Maximum piping length up to 50m, minimum piping length has no limitation
- › Outdoor units for pair, twin, triple, double twin application



Inverter



Seasonal efficiency - Smart use of energy



Swing compressor



Replacement technology (optional)



Auto cooling-heating changeover (5 steps + auto)



Night quiet mode (optional)



Twin/triple/double twin application

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Technical Specifications					RZASG71MV1	RZASG100MV1	RZASG125MV1	RZASG140MV1
Casing	Colour				Ivory white			
	Material				Painted galvanized steel plate			
Dimensions	Unit	Height	mm		770	990		
		Width	mm		900	940		
		Depth	mm		320			
	Packed unit	Height	mm		900	1,170		
		Width	mm		980	1,015		
		Depth	mm		420	422		
Weight	Unit	kg		60	70		78	
	Packed unit	kg		64	78	79	87	
Packing	Weight	kg		4	9			
Heat exchanger	Fin	Type			WF fin			
	Treatment				Anti-corrosion treatment (PE)			
Fan	Type				Propeller			
	Discharge direction				Horizontal			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m³/min	56	69	71	76
		Heating	Nom.	m³/min	50	82		
		Partial	m³/min		-		55 (1)	55
Fan motor	Quantity				1			
	Model				Brushless DC motor			
	Output		W		94	200		
	Drive				Direct drive			
Compressor	Quantity				1			
Operation range	Type				Hermetically sealed swing compressor			
	Cooling	Ambient	Min.	°CDB	-15			
			Max.	°CDB	46			
	Heating	Ambient	Min.	°CWB	-15			
			Max.	°CWB	15.5			
	Sound power level	Cooling			dBA	65	70	71
Heating				dBA	-		71 (1)	73
Sound pressure level	Cooling	Nom.	dBA		46	53		54
	Heating	Nom.	dBA		47	57		
Refrigerant	Type				R-32			
	Charge		kg		2.45	2.60		2.90
	Control				Expansion valve (electronic type)			
Refrigerant	GWP				675			
	Circuits	Quantity			1			
Refrigerant oil	Type				FW68DA			
	Charged volume		l		0.90		1.35	
Piping connections	Liquid	Quantity			1			
		Type			Flare connection			
		OD			mm			
	Gas	Quantity			9.52			
		Type			1			
		OD			mm			
	Drain	Quantity			3		5	
		Type			Hole			
		OD			mm			
	Piping length	OU - IU	Min.	m	5			
			Max.	m	50			
		System	Equivalent	m	70			
			Chargeless	m	30			
		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			
Defrost method				Reversed cycle				
Defrost control				Sensor for outdoor heat exchanger temperature				
Capacity control	Method				Inverter controlled			
PED	Category				Category II			
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: 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;

Standard accessories: Peel off F-gas label;Quantity: 1;

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Standard accessories: Tie-wraps;Quantity: 2;

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Electrical Specifications			RZASG71MV1	RZASG100MV1	RZASG125MV1	RZASG140MV1
Power supply	Name		V1			
	Phase		1~			
	Frequency	Hz	50			
	Voltage	V	220-240			
	Voltage range	V	198			
Current	Zmax	List	Complies to EN61000-3-11			
	Minimum Ssc value	kVa	Equipment complying with EN / IEC 61000-3-12/ See note 2 / 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			
Current - 50Hz	Maximum fuse amps (MFA)	A	20	25	32	

(1)According to ENER Lot 21 |

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. |

Ssc: Short-circuit power |

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.

Technical specifications			FCAG71B + RZASG71MV1	FCAG100B + RZASG100MV1	FCAG125B + RZASG125MV1	FCAG140B + RZASG140MV1
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		6.47	6.55	5.76	6.53
	ηs,c	%	-	-	227	258
	Annual energy consumption	kWh/a	368	507	1,261	1,231
Space heating (Average climate)	Energy efficiency class		A+			-
	Capacity	Pdesign kW	4.50	6.00	-	7.80
	SCOP/A		4.10	4.17	4.05	4.31
	SCOPnet/A		4.10	4.17	4.05	4.31
	ηs,h	%	-	-	159	169
	Annual energy consumption	kWh/a	1,537	2,016	2,074	2,534
	Required back up heating cap at design conditions	kW	0.00			
Space cooling	A Condition	Pdc kW	6.80	9.50	12.10	13.40
	(35°C - 27/19)	EERd	3.14	3.26	2.44	2.75
		Power input	2.17	2.92	4.95	4.88
	B Condition	Pdc kW	5.10	7.00	8.92	9.88
	(30°C - 27/19)	EERd	4.91	5.49	4.30	4.88
		Power input	1.04	1.28	2.07	2.03
	C Condition	Pdc kW	3.40	4.50	5.74	6.35
	(25°C - 27/19)	EERd	8.43	7.77	6.74	7.69
		Power input	0.40	0.58	0.85	0.83
	D Condition	Pdc kW	2.89	3.11	3.18	3.74
	(20°C - 27/19)	EERd	12.54	11.16	10.49	12.01
		Power input	0.23	0.28	0.30	0.31
	TOL	Tol (temperature operating limit) °C	-10			
	TBivalent	Tbiv (bivalent temperature) °C	-10			
Space heating (Average climate)		Pdh (declared heating cap) kW	4.50	6.00	-	7.80
		COPd (declared COP)	2.37	2.52	2.59	2.26
		Power input	1.90	2.38	2.32	3.44
	A Condition	Pdh (declared heating cap) kW	3.98	5.31	5.30	6.90
	(-7°C)	COPd (declared COP)	2.37	2.75	2.78	2.60
		Power input	1.68	1.93	1.91	2.65
	B Condition	Pdh (declared heating cap) kW	2.42	3.23	-	4.20
	(2°C)	COPd (declared COP)	4.21	3.97	3.88	4.32
		Power input	0.58	0.81	0.83	0.97
	C Condition	Pdh (declared heating cap) kW	1.92	2.10	2.13	3.40
	(7°C)	COPd (declared COP)	5.46	5.58	5.20	5.92
		Power input	0.35	0.38	0.41	0.57
	D Condition	Pdh (declared heating cap) kW	2.29	2.50	2.55	3.99
	(12°C)	COPd (declared COP)	6.91	6.95	6.66	7.26
		Power input	0.33	0.36	0.38	0.55

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Technical specifications					FCAG71B + RZASG71MV1	FCAG100B + RZASG100MV1	FCAG125B + RZASG125MV1	FCAG140B + RZASG140MV1
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0.000			
		Heating	PCK	kW	0.000			
	Off mode	Cooling	POFF	kW	0.012			
		Heating	POFF	kW	0.012			
	Standby mode	Heating	PSB	kW	0.012			
		Cooling	PSB	kW	0.012			
	Thermo-stat-off mode	Cooling	PTO	kW	0.000			
		Heating	PTO	kW	0.012			
Indication if the heater is equipped with a supplementary heater (pair application)					-	No		
Supplementary heater (pair application)	Back-up capacity	Heating	elbu	kW	-	0.0		
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			
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	B Condition (2°C) - SCOPnet/A	COPd (declared COP)			- - -			
	SCOPnet/A				-			
	C Condition (7°C) - SCOPnet/A	PdH (declared heating cap)			- - -			

(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. |

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications					FBA71A9 + RZASG71MV1	FBA100A + RZASG100MV1	FBA125A + RZASG125MV1	FBA140A + RZASG140MV1
Cooling capacity	Nom.	kW			6.80 (1)	9.5	12.1	13.4
Heating capacity	Nom.	kW			7.50 (2)	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++	A+	-	
	Capacity	Pdesign	kW		6.80	9.5	12.1	13.4
	SEER				6.19	5.83	5.49	5.81
	ηs,c		%		-		217	229
	Annual energy consumption		kWh/a		385	570	1,322	1,384
Space heating (Average climate)	Energy efficiency class				A+	A	-	
	Capacity	Pdesign	kW		4.50	6		7.8
	SCOP/A				4.01	3.85	3.63	3.85
	SCOPnet/A				4.01	3.85	3.63	3.85
	ηs,h		%		-		142	151
	Annual energy consumption		kWh/a		1,571	2,182	2,314	2,836
	Required back up heating cap at design conditions		kW		0.00		0	
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		6.80	9.5	12.1	13.4
		EERd			3.60	3.2	2.61	2.81
		Power input	kW		1.89	2.97	4.64	4.76
	B Condition (30°C - 27/19)	Pdc	kW		5.02	7	8.92	9.88
		EERd			5.30	5.13	4.34	4.66
		Power input	kW		0.95	1.36	2.06	2.12
	C Condition (25°C - 27/19)	Pdc	kW		3.23	4.5	5.74	6.35
		EERd			7.84	7.01	6.36	6.84
		Power input	kW		0.41	0.64	0.9	0.93
	D Condition (20°C - 27/19)	Pdc	kW		2.92	3.1	3.17	3.97
		EERd			9.87	8.59	8.72	8.83
		Power input	kW		0.30		0.36	0.45
	TOL (temperature operating limit)		°C				-10	
	E condition (-10°C)	PdH (declared heating cap)	kW		-	6		7.8
		COPd (declared COP)			-	2.45	2.5	2.06
		Power input	kW		-	2.45	2.4	3.78
Space heating (Average climate)	TBivalent	Tbiv (bivalent temperature)	°C			-10		
		PdH (declared heating cap)	kW		4.50	6		7.8
		COPd (declared COP)			2.37	2.45	2.5	2.06
		Power input	kW		1.90	2.45	2.4	3.78
	A Condition (-7°C)	PdH (declared heating cap)	kW		3.98	5.31	5.3	6.9
		COPd (declared COP)			2.66	2.69	2.72	2.46

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Technical specifications				FBA71A9 + RZASG71MV1	FBA100A + RZASG100MV1	FBA125A + RZASG125MV1	FBA140A + RZASG140MV1	
Space heating (Average climate)	A Condition (-7°C)	Power input	kW	1.50	1.97	1.95	2.81	
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.42	3.23		4.2	
		COPd (declared COP)		4.12	3.77	3.53	3.94	
		Power input	kW	0.59	0.86	0.91	1.07	
	C Condition (7°C)	Pdh (declared heating cap)	kW	2.06	2.26	2.27	3.5	
		COPd (declared COP)		5.04	4.83	4.37	4.98	
		Power input	kW	0.41	0.47	0.52	0.7	
	D Condition (12°C)	Pdh (declared heating cap)	kW	2.43	2.57	2.66	4.1	
		COPd (declared COP)		6.19	5.7	5.36	6.1	
Power input		kW	0.39	0.45	0.5	0.67		
Power consumption in other than active mode	Crankcase heater mode	Cooling PCK	kW	0.000				
		Heating PCK	kW	0.000				
	Off mode	Cooling POFF	kW	0.014				
		Heating POFF	kW	0.014				
	Standby mode	Heating PSB	kW	0.014				
		Cooling PSB	kW	0.014				
	Thermo-stat-off mode	Cooling PTO	kW	0.000				
		Heating PTO	kW	0.014				
	Indication if the heater is equipped with a supplementary heater (pair application)				-		No	
	Supplementary heater (pair application)	Back-up capacity	Heating elbu	kW	-		0.0	
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				
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	B Condition (2°C) - SCOPnet/A	COPd (declared COP)		---				
				-				
	C Condition (7°C) - SCOPnet/A	Pdh (declared heating cap)	kW	---				

(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. |

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications				FDA125A + RZASG125MV1
Cooling capacity	Nom.	kW		12.1 (1)
Heating capacity	Nom.	kW		13.5 (2)
Space cooling	Capacity	Pdesign	kW	12.1
	SEER			5.03
	ηs,c	%		198
	Annual energy consumption	kWh/a		1,444
	Capacity	Pdesign	kW	6.00
Space heating (Average climate)	SCOP/A			3.58
	SCOPnet/A			3.58
	ηs,h	%		140
	Annual energy consumption	kWh/a		2,346
	Required back up heating cap at design conditions	kW		0.00
	A Condition (35°C - 27/19)	Pdc	kW	12.10
		EERd		2.56
		Power input	kW	4.73
Space cooling	B Condition (30°C - 27/19)	Pdc	kW	8.92
		EERd		4.03
		Power input	kW	2.21
	C Condition (25°C - 27/19)	Pdc	kW	5.74
		EERd		5.89
		Power input	kW	0.97
	D Condition (20°C - 27/19)	Pdc	kW	3.10
		EERd		7.31
		Power input	kW	0.42

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Technical specifications					FDA125A + RZASG125MV1	
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-10	
	TBivalent	Tbiv (bivalent temperature)		°C	-10	
		Pdh (declared heating cap)		kW	6.00	
		COPd (declared COP)			2.54	
		Power input		kW	2.36	
	A Condition (-7°C)	Pdh (declared heating cap)		kW	5.30	
		COPd (declared COP)			2.76	
		Power input		kW	1.92	
	B Condition (2°C)	Pdh (declared heating cap)		kW	3.23	
		COPd (declared COP)			3.54	
		Power input		kW	0.91	
	C Condition (7°C)	Pdh (declared heating cap)		kW	2.29	
Space heating (Average climate)	C Condition (7°C)	COPd (declared COP)			4.27	
		Power input		kW	0.54	
	D Condition (12°C)	Pdh (declared heating cap)		kW	2.65	
		COPd (declared COP)			5.00	
		Power input		kW	0.53	
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0.000	
		Heating	PCK	kW	0.000	
	Off mode	Cooling	POFF	kW	0.015	
		Heating	POFF	kW	0.015	
	Standby mode	Heating	PSB	kW	0.015	
		Cooling	PSB	kW	0.015	
	Thermo-stat-off mode	Cooling	PTO	kW	0.000	
		Heating	PTO	kW	0.015	
	Indication if the heater is equipped with a supplementary heater (pair application)					No
	Supplementary heater (pair application)	Back-up capacity	Heating	elbu	kW	0.0
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	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	B Condition (2°C) - SCOPnet/A	COPd (declared COP)			---	
					-	
	C Condition (7°C) - SCOPnet/A	Pdh (declared heating cap)			---	

(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. |

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications			FHA71A9 + RZASG71MV1	FHA100A + RZASG100MV1	FHA125A + RZASG125MV1	FHA140A + RZASG140MV1
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	6.80	9.50	12.1	13.4
	SEER		5.95	5.83		5.88
	ηs,c	%	-		230	232
	Annual energy consumption	kWh/a	400	570	1,246	1,368
Space heating (Average climate)	Energy efficiency class		A		-	
	Capacity	Pdesign	4.50	6.00		7.80
	SCOP/A		3.90	3.91	3.83	3.81
	SCOPnet/A		3.90	3.91	3.83	3.81
	ηs,h	%	-		150	149
	Annual energy consumption	kWh/a	1,616	2,148	2,193	2,866
	Required back up heating cap at design conditions	kW	0.00			

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Technical specifications					FHA71A9 + RZASG71MV1	FHA100A + RZASG100MV1	FHA125A + RZASG125MV1	FHA140A + RZASG140MV1
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	6.80	9.50	12.10	13.40	
		EERd		3.81	3.20	2.63	2.77	
		Power input	kW	1.78	2.97	4.60	4.84	
	B Condition (30°C - 27/19)	Pdc	kW	5.02	7.00	8.92	9.88	
		EERd		4.84	4.91	4.53	4.59	
		Power input	kW	1.04	1.43	1.97	2.15	
	C Condition (25°C - 27/19)	Pdc	kW	3.28	4.50	5.74	6.35	
		EERd		7.45	6.98	6.79	6.85	
		Power input	kW	0.44	0.64	0.85	0.93	
	D Condition (20°C - 27/19)	Pdc	kW	3.39	3.10	3.17	3.86	
		EERd		9.41	8.87	9.62	9.50	
		Power input	kW	0.36	0.35	0.33	0.41	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10				
	TBivalent	Tbiv (bivalent temperature)	°C	-10				
		Pdh (declared heating cap)	kW	4.50	6.00	7.80		
		COPd (declared COP)		2.21	2.49	1.98		
		Power input	kW	2.04	2.41	3.95		
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.98	5.31	5.30	6.90	
		COPd (declared COP)		2.48	2.73	2.72	2.37	
		Power input	kW	1.61	1.94	1.95	2.91	
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.42	3.23	4.20		
		COPd (declared COP)		3.89	3.77	3.68	3.92	
		Power input	kW	0.62	0.86	0.88	1.07	
	Space heating (Average climate)	C Condition (7°C)	Pdh (declared heating cap)	kW	2.04	2.18	2.19	3.45
COPd (declared COP)				5.22	4.96	4.84	4.95	
Power input			kW	0.39	0.44	0.45	0.70	
D Condition (12°C)		Pdh (declared heating cap)	kW	2.41	2.57	2.58	4.05	
		COPd (declared COP)		6.57	6.14	6.00	6.07	
		Power input	kW	0.37	0.42	0.43	0.67	
Power consumption in other than active mode		Crankcase heater mode	Cooling	PCK	kW	0.000		
			Heating	PCK	kW	0.000		
		Off mode	Cooling	POFF	kW	0.012		
			Heating	POFF	kW	0.012		
		Standby mode	Heating	PSB	kW	0.012		
			Cooling	PSB	kW	0.012		
	Thermo-stat-off mode	Cooling	PTO	kW	0.000			
		Heating	PTO	kW	0.012			
	Indication if the heater is equipped with a supplementary heater (pair application)					-	No	
	Supplementary heater (pair application)	Back-up capacity	Heating	elbu	kW	-	0.0	
	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			
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	B Condition (2°C) - SCOPnet/A	COPd (declared COP)			---			
		SCOPnet/A			-			
	C Condition (7°C) - SCOPnet/A	Pdh (declared heating cap)			---			

(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. |

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications				FUA71A + RZASG71MV1	FUA100A + RZASG100MV1	FUA125A + RZASG125MV1
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++	A+	-
	Capacity	Pdesign	kW	6.80	9.50	12.1
	SEER			6.16	5.83	5.49
	ηs,c	%		-	-	217
	Annual energy consumption			386	570	1,322

2 Specifications

2 - 1 Specifications

Technical specifications				FUA71A + RZASG71MV1	FUA100A + RZASG100MV1	FUA125A + RZASG125MV1
Space heating (Average climate)	Energy efficiency class			A	A+	-
	Capacity	Pdesign	kW	4.50	6.00	
	SCOP/A			3.90	4.01	3.84
	SCOPnet/A			3.90	4.01	3.84
	ηs,h		%	-		151
	Annual energy consumption		kWh/a	1,615	2,095	2,188
	Required back up heating cap at design conditions		kW		0.00	
Space cooling	A Condition	Pdc	kW	6.80	9.50	12.10
	(35°C - 27/19)	EERd		3.84	3.20	2.35
		Power input	kW	1.77	2.97	5.15
	B Condition	Pdc	kW	5.02	7.00	8.92
	(30°C - 27/19)	EERd		4.98	4.81	4.24
		Power input	kW	1.01	1.45	2.10
	C Condition	Pdc	kW	3.23	4.50	5.74
	(25°C - 27/19)	EERd		7.82	7.04	6.48
		Power input	kW	0.41	0.64	0.89
	D Condition	Pdc	kW	3.04	3.10	3.14
	(20°C - 27/19)	EERd		9.69	8.98	9.22
		Power input	kW	0.31	0.35	0.34
	TOL	Tol (temperature operating limit)	°C		-10	
	TBivalent	Tbiv (bivalent temperature)	°C		-10	
Space heating (Average climate)		Pdh (declared heating cap)	kW	4.50	6.00	
		COPd (declared COP)		2.23	2.56	2.52
		Power input	kW	2.01	2.35	2.38
	A Condition	Pdh (declared heating cap)	kW	3.98	5.31	5.30
	(-7°C)	COPd (declared COP)		2.51	2.79	2.76
		Power input	kW	1.59	1.90	1.92
	B Condition	Pdh (declared heating cap)	kW	2.42	3.23	
	(2°C)	COPd (declared COP)		3.90	3.87	3.70
		Power input	kW	0.62	0.83	0.87
	C Condition	Pdh (declared heating cap)	kW	2.07	2.19	2.21
	(7°C)	COPd (declared COP)		5.17	5.10	4.81
		Power input	kW	0.40	0.43	0.46
	D Condition	Pdh (declared heating cap)	kW	2.44	2.57	2.59
	(12°C)	COPd (declared COP)		6.56	6.26	5.89
Space heating (Average climate)		Power input	kW	0.37	0.41	0.44
	Crankcase heater mode	Cooling	PCK	kW	0.000	
		Heating	PCK	kW	0.000	
	Off mode	Cooling	POFF	kW	0.012	
		Heating	POFF	kW	0.012	
	Standby mode	Heating	PSB	kW	0.012	
		Cooling	PSB	kW	0.012	
	Thermo-stat-off mode	Cooling	PTO	kW	0.000	
		Heating	PTO	kW	0.012	
	Indication if the heater is equipped with a supplementary heater (pair application)			-		No
	Supplementary heater (pair application)	Back-up capacity	elbu	kW	-	0.0
	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	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	B Condition	COPd (declared COP)			---	
	(2°C) - SCOPnet/A					
	SCOPnet/A				-	
	C Condition	Pdh (declared heating cap)			---	
	(7°C) - SCOPnet/A					

(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. |

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications				FAA71B + RZASG71MV1	FAA100B + RZASG100MV1
Cooling capacity	Nom.	kW		6.80 (1)	9.50 (1)
Heating capacity	Nom.	kW		7.50 (2)	10.8 (2)

2 Specifications

2 - 1 Specifications

2

Technical specifications					FAA71B + RZASG71MV1	FAA100B + RZASG100MV1
Space cooling	Energy efficiency class			A++	A+	
	Capacity	Pdesign	kW	6.80	9.50	
	SEER			6.41	5.83	
	Annual energy consumption			371	570	
Space heating (Average climate)	Energy efficiency class			A		
	Capacity	Pdesign	kW	4.50	6.00	
	SCOP/A			3.90	3.85	
	SCOPnet/A			3.90	3.85	
	Annual energy consumption			1,615	2,182	
	Required back up heating cap at design conditions			0.00		
Space cooling	A Condition	Pdc	kW	6.80	9.50	
	(35°C - 27/19)	EERd		3.41	2.70	
		Power input	kW	2.00	3.52	
	B Condition	Pdc	kW	5.02	7.00	
	(30°C - 27/19)	EERd		5.30	4.87	
		Power input	kW	0.95	1.44	
	C Condition	Pdc	kW	3.23	4.50	
	(25°C - 27/19)	EERd		7.98	6.85	
		Power input	kW	0.40	0.66	
	D Condition	Pdc	kW	2.84	3.00	
	(20°C - 27/19)	EERd		11.17	10.23	
		Power input	kW	0.25	0.29	
Space heating (Average climate)	TOL	Tol (temperature operating limit)		-10		
	TBivalent	Tbiv (bivalent temperature)		-10		
		Pdh (declared heating cap)	kW	4.50	6.00	
		COPd (declared COP)		2.16	2.31	
		Power input	kW	2.08	2.60	
		A Condition	Pdh (declared heating cap)	kW	3.98	5.31
		(-7°C)	COPd (declared COP)		2.44	2.55
	Power input		kW	1.63	2.08	
	B Condition	Pdh (declared heating cap)	kW	2.42	3.23	
	(2°C)	COPd (declared COP)		3.90	3.68	
		Power input	kW	0.62	0.88	
	C Condition	Pdh (declared heating cap)	kW	2.02	2.12	
(7°C)						
Space heating (Average climate)	C Condition	COPd (declared COP)		5.26	5.09	
	(7°C)	Power input	kW	0.38	0.42	
	D Condition	Pdh (declared heating cap)	kW	2.39	2.52	
	(12°C)	COPd (declared COP)		6.62	6.53	
		Power input	kW	0.36	0.39	
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0.000	
		Heating	PCK	kW	0.000	
	Off mode	Cooling	POFF	kW	0.012	
		Heating	POFF	kW	0.012	
	Standby mode	Heating	PSB	kW	0.012	
		Cooling	PSB	kW	0.012	
	Thermo-stat-off mode	Cooling	PTO	kW	0.000	
		Heating	PTO	kW	0.012	
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	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	B Condition (2°C) - SCOPnet/A	COPd (declared COP)		---		
				-		
	C Condition (7°C) - SCOPnet/A	Pdh (declared heating cap)		---		

(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. |

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications				FVA71A + RZASG71MV1	FVA100A + RZASG100MV1	FVA125A + RZASG125MV1	FVA140A + RZASG140MV1
Cooling capacity	Nom.	kW		6.80 (1)	9.50 (1)	12.1 (1)	13.4 (1)

2 Specifications

2 - 1 Specifications

Technical specifications					FVA71A + RZASG71MV1		FVA100A + RZASG100MV1		FVA125A + RZASG125MV1		FVA140A + RZASG140MV1			
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			5.83		5.72		5.52		5.63			
		ηs,c		%	-				218		222			
		Annual energy consumption			kWh/a	408		581		1,314		1,428		
Space heating (Average climate)		Energy efficiency class			A+				-					
		Capacity	Pdesign	kW	4.50		6.00		7.80					
		SCOP/A			4.04		3.83		3.64		3.81			
		SCOPnet/A			4.04		3.83		3.64		3.81			
		ηs,h		%	-				143		149			
		Annual energy consumption			kWh/a	1,559		2,193		2,308		2,866		
		Required back up heating cap at design conditions			kW	0.00								
		Space cooling		A Condition	Pdc	kW	6.80		9.50		12.10		13.40	
(35°C - 27/19)	EERd				3.38		3.20		2.47		2.62			
	Power input			kW	2.01		2.97		4.90		5.12			
	B Condition			Pdc	kW	5.02		7.00		8.92		9.88		
(30°C - 27/19)	EERd				5.07		5.01		4.31		4.52			
	Power input			kW	0.99		1.40		2.07		2.19			
	C Condition			Pdc	kW	3.23		4.50		5.74		6.35		
(25°C - 27/19)	EERd				7.08		6.78		6.26		6.51			
	Power input			kW	0.46		0.66		0.92		0.98			
	D Condition			Pdc	kW	2.77		3.00		3.07		3.76		
(20°C - 27/19)	EERd				9.12		8.25		9.54		8.88			
	Power input			kW	0.30		0.36		0.32		0.42			
	Space heating (Average climate)			TOL	Tol (temperature operating limit)	°C	-10							
TBivalent				Tbiv (bivalent temperature)	°C	-10								
				Pdh (declared heating cap)	kW	4.50		6.00		7.80				
				COPd (declared COP)		2.26		2.46		2.37		1.99		
			Power input	kW	1.99		2.44		2.53		3.93			
A Condition (-7°C)			Pdh (declared heating cap)	kW	3.98		5.31		5.30		6.90			
			COPd (declared COP)		2.55		2.70		2.60		2.38			
			Power input	kW	1.56		1.97		2.04		2.90			
B Condition (2°C)			Pdh (declared heating cap)	kW	2.42		3.23		4.20					
			COPd (declared COP)		4.05		3.72		3.51		3.90			
			Power input	kW	0.60		0.87		0.92		1.08			
Space heating (Average climate)			C Condition (7°C)	Pdh (declared heating cap)	kW	2.01		2.20		2.19		3.47		
		COPd (declared COP)			5.41		4.81		4.57		4.99			
		Power input		kW	0.37		0.46		0.48		0.70			
		D Condition (12°C)	Pdh (declared heating cap)	kW	2.37		2.58		2.57		4.07			
			COPd (declared COP)		6.72		5.82		5.60		6.10			
			Power input	kW	0.35		0.44		0.46		0.67			
		Power consumption in other than active mode		Crankcase heater mode	Cooling	PCK	kW	0.000						
					Heating	PCK	kW	0.000						
Off mode	Cooling			POFF	kW	0.012								
	Heating			POFF	kW	0.012								
Standby mode	Heating			PSB	kW	0.012								
	Cooling			PSB	kW	0.012								
Thermo-stat-off mode	Cooling			PTO	kW	0.000								
	Heating			PTO	kW	0.012								
Indication if the heater is equipped with a supplementary heater (pair application)					-		No							
Supplementary heater (pair application)	Back-up capacity			Heating	elbu	kW	-		0.0					
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									
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	B Condition (2°C) - SCOPnet/A	COPd (declared COP)			---									
		SCOPnet/A			-									
	C Condition (7°C) - SCOPnet/A	Pdh (declared heating cap)			---									

(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 Specifications

2 - 1 Specifications

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. |
See separate drawing for operation range |
See separate drawing for electrical data

3 - 1 Dimensional Drawings

Electrical data

Electrical Data

AZAS-MV1
AZAS-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

3D110014H

RZASG-MV1

				Compressor										Compressor													
				OFM										IFM													
Indoor	Outdoor	Power supply	Voltage range	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA	Indoor	Outdoor	Power supply	Voltage range	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA		
FCAG35BVEB	x2	RZASG71M2V1B	50Hz ~ 220-240V	Minimum: 198 V Maximum: 264 V	17.6	—	20	—	15.4	0.094	0.9	0.044 x2	0.3 x2	FCAG35BVEB	x4	RZASG125M7V1B	50Hz ~ 220-240V	Minimum: 198 V Maximum: 264 V	28.0	—	32	—	24.7	0.2	1	0.044 x4	0.3 x4
FCAG71BVEB		RZASG71M2V1B			17.4	—	20	—	15.4	0.094	0.9	0.054	0.4	FCAG50BVEB	x3	RZASG125M7V1B			27.7	—	32	—	24.7	0.2	1	0.039 x3	0.3 x3
FFA35A2VEB	x2	RZASG71M2V1B			17.8	—	20	—	15.4	0.094	0.9	0.050 x2	0.4 x2	FCAG60BVEB	x2	RZASG125M7V1B			27.4	—	32	—	24.7	0.2	1	0.044 x2	0.3 x2
FBA35A2VEB	x2	RZASG71M2V1B			18.2	—	20	—	15.4	0.094	0.9	0.089 x2	0.6 x2	FCAG125BVEB		RZASG125M7V1B			27.8	—	32	—	24.7	0.2	1	0.168	1
FBA71A2VEB		RZASG71M2V1B			17.5	—	20	—	15.4	0.094	0.9	0.07	0.5	FFA35A2VEB	x4	RZASG125M7V1B			28.4	—	32	—	24.7	0.2	1	0.050 x4	0.4 x4
FNA35A2VEB	x2	RZASG71M2V1B			17.3	—	20	—	15.4	0.094	0.9	0.034 x2	0.3	FFA50A2VEB	x3	RZASG125M7V1B			28.0	—	32	—	24.7	0.2	1	0.050 x3	0.4 x3
FUA71AVEB9		RZASG71M2V1B			17.9	—	20	—	15.4	0.094	0.9	0.046	0.9	FFA60A2VEB	x2	RZASG125M7V1B			28.0	—	32	—	24.7	0.2	1	0.050 x2	0.6 x2
FAA71BUV1B		RZASG71M2V1B			17.4	—	20	—	15.4	0.094	0.9	0.048	0.5	FBA35A2VEB	x4	RZASG125M7V1B			29.2	—	32	—	24.7	0.2	1	0.089 x4	0.6 x4
FVA71AMVEB		RZASG71M2V1B			17.6	—	20	—	15.4	0.094	0.9	0.117	0.6	FBA50A2VEB	x3	RZASG125M7V1B			28.6	—	32	—	24.7	0.2	1	0.089 x3	0.6 x3
FDXM35F3V1B	x2	RZASG71M2V1B			17.6	—	20	—	15.4	0.094	0.9	0.034 x2	0.3 x2	FBA60A2VEB	x2	RZASG125M7V1B			27.8	—	32	—	24.7	0.2	1	0.070 x2	0.5 x2
FHA35AVEB98	x2	RZASG71M2V1B	50Hz ~ 220-240V	Minimum: 198 V Maximum: 264 V	18.2	—	20	—	15.4	0.094	0.9	0.090 x2	0.6 x2	FBA125A2VEB		RZASG125M7V1B	50Hz ~ 220-240V	Minimum: 198 V Maximum: 264 V	28.3	—	32	—	24.7	0.2	1	0.187	1.5
FHA71AVEB98		RZASG71M2V1B			17.8	—	20	—	15.4	0.094	0.9	0.110	0.8	FNA35A2VEB	x4	RZASG125M7V1B			28.0	—	32	—	24.7	0.2	1	0.034 x4	0.3 x4
FCAG35BVEB	x3	RZASG100M7V1B			21.7	—	25	—	19	0.2	1	0.044 x3	0.3 x3	FNA50A2VEB	x3	RZASG125M7V1B			28.3	—	32	—	24.7	0.2	1	0.060 x3	0.5 x3
FCAG50BVEB	x2	RZASG100M7V1B			21.4	—	25	—	19	0.2	1	0.039 x2	0.3 x2	FNA60A2VEB	x2	RZASG125M7V1B			27.8	—	32	—	24.7	0.2	1	0.060 x2	0.5 x2
FCAG100BVEB		RZASG100M7V1B			21.5	—	25	—	19	0.2	1	0.117	0.7	FUA125AVEB9		RZASG125M7V1B			28.2	—	32	—	24.7	0.2	1	0.106	1.4
FFA35A2VEB	x3	RZASG100M7V1B			22.0	—	25	—	19	0.2	1	0.050 x3	0.4 x3	FDA125ASAVEB		RZASG125M7V1B			28.9	—	32	—	24.7	0.2	1	0.35	2.1
FFA50A2VEB	x2	RZASG100M7V1B			21.6	—	25	—	19	0.2	1	0.050 x2	0.4 x2	FVA125AMVEB		RZASG125M7V1B			28.0	—	32	—	24.7	0.2	1	0.238	1.2
FBA35A2VEB	x3	RZASG100M7V1B			22.7	—	25	—	19	0.2	1	0.089 x3	0.6 x3	FDXM35F3V1B	x4	RZASG125M7V1B			28.0	—	32	—	24.7	0.2	1	0.034 x4	0.3 x4
FBA50A2VEB	x2	RZASG100M7V1B			22.0	—	25	—	19	0.2	1	0.089 x2	0.6 x2	FDXM50F3V1B	x3	RZASG125M7V1B			28.3	—	32	—	24.7	0.2	1	0.060 x3	0.5 x3
FBA100A2VEB		RZASG100M7V1B			21.8	—	25	—	19	0.2	1	0.127	1	FDXM60F3V1B	x2	RZASG125M7V1B			27.8	—	32	—	24.7	0.2	1	0.060 x2	0.5 x2
FNA35A2VEB	x3	RZASG100M7V1B	50Hz ~ 220-240V	Minimum: 198 V Maximum: 264 V	21.7	—	25	—	19	0.2	1	0.034 x3	0.3 x3	FHA35AVEB98	x4	RZASG125M7V1B	50Hz ~ 220-240V	Minimum: 198 V Maximum: 264 V	29.2	—	32	—	24.7	0.2	1	0.090 x4	0.6 x4
FNA50A2VEB	x2	RZASG100M7V1B			21.8	—	25	—	19	0.2	1	0.060 x2	0.5 x2	FHA50AVEB98	x3	RZASG125M7V1B			28.6	—	32	—	24.7	0.2	1	0.090 x3	0.6 x3
FUA100AVEB9		RZASG100M7V1B			22.2	—	25	—	19	0.2	1	0.106	1.3	FHA60AVEB98	x2	RZASG125M7V1B			28.0	—	32	—	24.7	0.2	1	0.091 x2	0.6 x2
FAA100BUV1B		RZASG100M7V1B			21.7	—	25	—	19	0.2	1	0.064	0.9	FHA125AVEB8		RZASG125M7V1B			28.3	—	32	—	24.7	0.2	1	0.217	1.5
FVA100AMVEB		RZASG100M7V1B			22.0	—	25	—	19	0.2	1	0.238	1.2	FCAG35BVEB	x4	RZASG140M7V1B			27.2	—	32	—	24	0.2	1	0.044 x4	0.3 x4
FDXM35F3V1B	x3	RZASG100M7V1B			21.7	—	25	—	19	0.2	1	0.034 x3	0.3 x3	FCAG50BVEB	x3	RZASG140M7V1B			26.9	—	32	—	24	0.2	1	0.039 x3	0.3 x3
FDXM50F3V1B	x2	RZASG100M7V1B			21.8	—	25	—	19	0.2	1	0.060 x2	0.5 x2	FCAG71BVEB	x2	RZASG140M7V1B			26.8	—	32	—	24	0.2	1	0.054 x2	0.4 x2
FHA35AVEB98	x3	RZASG100M7V1B			22.7	—	25	—	19	0.2	1	0.090 x3	0.6 x3	FCAG140BVEB		RZASG140M7V1B			27.0	—	32	—	24	0.2	1	0.168	1
FHA50AVEB98	x2	RZASG100M7V1B			22.0	—	25	—	19	0.2	1	0.090 x2	0.6 x2	FFA35A2VEB	x4	RZASG140M7V1B			27.7	—	32	—	24	0.2	1	0.050 x4	0.4 x4
FHA100AVEB8		RZASG100M7V1B			22.2	—	25	—	19	0.2	1	0.172	1.3	FFA50A2VEB	x3	RZASG140M7V1B			27.2	—	32	—	24	0.2	1	0.050 x3	0.4 x3
			50Hz ~ 220-240V	Minimum: 198 V Maximum: 264 V									FBA35A2VEB	x4	RZASG140M7V1B	50Hz ~ 220-240V	Minimum: 198 V Maximum: 264 V	28.5	—	32	—	24	0.2	1	0.089 x4	0.6 x4	
														FBA50A2VEB	x3			RZASG140M7V1B	27.9	—	32	—	24	0.2	1	0.089 x3	0.6 x3
														FBA71A2VEB	x2			RZASG140M7V1B	27.0	—	32	—	24	0.2	1	0.070 x2	0.5 x2
														FBA140A2VEB				RZASG140M7V1B	27.6	—	32	—	24	0.2	1	0.187	1.5
														FNA35A2VEB	x4			RZASG140M7V1B	27.2	—	32	—	24	0.2	1	0.034 x4	0.3 x4
														FNA50A2VEB	x3			RZASG140M7V1B	27.6	—	32	—	24	0.2	1	0.060 x3	0.5 x3
														FUA71AVEB9	x2			RZASG140M7V1B	27.9	—	32	—	24	0.2	1	0.046 x2	0.9 x2
														FAA71BUV1B	x2			RZASG140M7V1B	26.8	—	32	—	24	0.2	1	0.048 x2	0.5 x2
														FVA71AMVEB	x2			RZASG140M7V1B	27.2	—	32	—	24	0.2	1	0.117 x2	0.6 x2
														FVA140AMVEB				RZASG140M7V1B	27.5	—	32	—	24	0.2	1	0.276	1.4
														FDXM35F3V1B	x4			RZASG140M7V1B	27.2	—	32	—	24	0.2	1	0.034 x4	0.3 x4
												FDXM50F3V1B	x3	RZASG140M7V1B	27.6	—	32	—	24	0.2	1	0.060 x3	0.5 x3				
												FHA35AVEB98	x4	RZASG140M7V1B	28.5	—	32	—	24	0.2	1	0.090 x4	0.6 x4				
												FHA50AVEB98	x3	RZASG140M7V1B	27.9	—	32	—	24	0.2	1	0.090 x3	0.6 x3				
												FHA71AVEB98	x2	RZASG140M7V1B	27.7	—	32	—	24	0.2	1	0.110 x2	0.8 x2				
												FHA140AVEB8		RZASG140M7V1B	27.9	—	32	—	24	0.2	1	0.251	1.8				

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5 Options

5 - 1 Options

RZASG-MV_MY

Available options for -RZAG- models

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

Available options for -RZASG- models

Option		Option kit			
		RZASG71M7V1B	RZAGS100M7V1B	RZAGS125M7V1B	RZAGS140M7V1B
		RZASG71M7Y1B	RZAGS125M7Y1B	RZAGS140M7Y1B	
			RZAGS100MUV	RZAGS125MUV	RZAGS140MUV
			RZAGS100MUY	RZAGS125MUY	RZAGS140MUY
Bottom plate heater					
Refrigerant branch piping	Twin	KHRQ(M)58T			
	Triple		KHRQ(M)58H		
	Double twin			KHRQ(M)58T (3x)	
Demand adaptor kit		SR KRP58M52			

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6 Combination table

6 - 1 Combination Table

AZAS-MV / AZAS-MY / RZASG-MV / RZASG-MY

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		FCAHG71GVEB	FCAHG100GVEB	FCAHG125GVEB	FCAHG140GVEB	FCAG35AVEB	FCAG50AVEB	FCAG60AVEB	FCAG71AVEB	FCAG100AVEB	FCAG125AVEB	FCAG140AVEB	FFA35A2VEB	FFA50A2VEB	FFA60A2VEB	FBA35A2VEB	FBA50A2VEB	FBA60A2VEB	FBA71A2VEB	FBA100A2VEB	FBA125A2VEB	FBA140A2VEB	FNA35A2VEB	FNA50A2VEB	FNA60A2VEB	FUA71AVEB	FUA100AVEB	FUA125AVEB	FAA71AUEVB	FAA100AUEVB	FDA125A5VEB	
RZAG71M7V1B	RZAG71M7Y1B	P				2							2			2							2				P					
RZAG100M7V1B	RZAG100M7Y1B		P			3	2			P			3	2		3	2			P			3	2				P				
RZAG125M7V1B	RZAG125M7Y1B			P		4	3	2			P		4	3	2	4	3	2			P		4	3	2			P			P	
RZAG140M7V1B	RZAG140M7Y1B	P			P	4	3	2				P	4	3	2	4	3	2			P		4	3	2		2					
RZASG71M2V1B						2			P				2			2			P			2					P					
RZASG100M7V1B	RZASG100M7Y1B					3	2			P			3	2		3	2			P			3	2				P				
RZASG125M7V1B	RZASG125M7Y1B					4	3	2			P		4	3	2	4	3	2			P		4	3	2				P		P	
RZASG140M7V1B	RZASG140M7Y1B					4	3	2			P		4	3	2	4	3	2			P		4	3	2		2			2		
RZASG100MUV	RZASG100MUY					3	2			P			3	2		3	2			P			3	2				P			P	
RZASG125MUV	RZASG125MUY					4	3	2			P		4	3	2	4	3	2			P		4	3	2				P		P	
RZASG140MUV	RZASG140MUY					4	3		2		P		4	3		4	3		2		P		4	3		2			2			
AZAS71M2V1B																													P			
AZAS100M7V1B	AZAS100M7Y1B									P										P											P	
AZAS125M7V1B	AZAS125M7Y1B										P										P											
AZAS140M7V1B	AZAS140M7Y1B											P										P										
AZAS100MUV	AZAS100MUY									P										P											P	
AZAS125MUV	AZAS125MUY										P											P										
AZAS140MUV	AZAS140MUY											P										P										

Sky Air		Floor standing type				Slim duct			Ceiling-suspended						Duct (medium ESP)			
Model		FVA71AMVEB	FVA100AMVEB	FVA125AMVEB	FVA140AMVEB	FDXM35F3V1B	FDXM50F3V1B	FDXM60F3V1B	FHA35AVEB	FHA50AVEB	FHA60AVEB	FHA71AVEB	FHA100AVEB	FHA125AVEB	FHA140AVEB	ADEA71A2VEB	ADEA100A2VEB	ADEA125A2VEB
RZAG71M7V1B	RZAG71M7Y1B	P				2			2			P						
RZAG100M7V1B	RZAG100M7Y1B		P			3	2		3	2			P					
RZAG125M7V1B	RZAG125M7Y1B			P		4	3	2	4	3	2			P				
RZAG140M7V1B	RZAG140M7Y1B	2			P	4	3		4	3		2			P			
RZASG71M2V1B		P				2			2			P						
RZASG100M7V1B	RZASG100M7Y1B		P			3	2		3	2			P					
RZASG125M7V1B	RZASG125M7Y1B			P		4	3	2	4	3	2			P				
RZASG140M7V1B	RZASG140M7Y1B	2			P	4	3		4	3		2			P			
RZASG100MUV	RZASG100MUY		P			3	2		3	2			P					
RZASG125MUV	RZASG125MUY			P		4	3	2	4	3	2			P				
RZASG140MUV	RZASG140MUY	2			P	4	3		4	3		2			P			
AZAS71M2V1B																P		
AZAS100M7V1B	AZAS100M7Y1B																P	
AZAS125M7V1B	AZAS125M7Y1B																	P
AZAS140M7V1B	AZAS140M7Y1B																	
AZAS100MUV	AZAS100MUY		P									P					P	
AZAS125MUV	AZAS125MUY			P									P					P
AZAS140MUV	AZAS140MUY				P									P				

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
- ADEA*A2VEB: can only be used in combination with ·AZAS*.

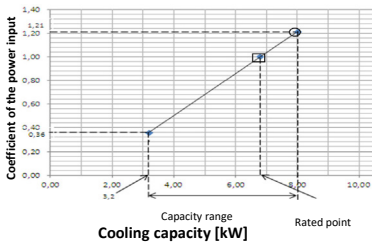
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7 Capacity tables

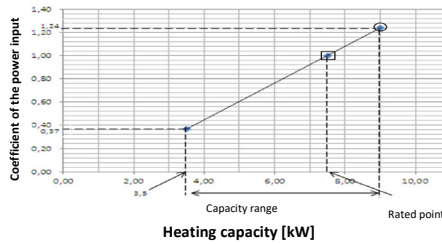
7 - 1 Cooling/Heating Capacity Tables

RZASG71MV1

Cooling



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

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	7.29	4.95	0.92	7.28	4.99	1.08	7.50	5.21	1.20	7.20	5.05	1.32
18.0	25	8.37	5.43	1.00	8.11	5.32	1.11	7.83	5.39	1.21	7.52	5.04	1.34
19.0	27	8.54	5.41	1.02	8.28	5.31	1.11	8.00	5.38	1.21	7.68	5.03	1.34
19.5	27	8.69	5.40	1.02	8.37	5.30	1.11	8.09	5.37	1.21	7.76	5.03	1.34
22.0	30	9.07	5.33	1.02	8.80	5.23	1.12	8.51	5.12	1.22	8.18	4.97	1.35
24.0	32	9.43	5.25	1.02	9.15	5.16	1.13	8.85	5.05	1.23	8.51	4.90	1.36

Heating

Indoor		Outdoor temperature (°C WB)											
		-15			-30			-5			5		
°CDB	°CWB	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
16	5.14	0.89	5.68	0.94	6.22	0.98	6.75	1.03	9.02	1.08	9.72	1.13	1.13
18	5.14	0.92	5.67	0.97	6.21	1.02	6.74	1.07	9.01	1.12	9.70	1.18	1.18
20	5.13	0.96	5.67	1.01	6.20	1.06	6.73	1.11	9.00	1.17	9.69	1.23	1.23
21	5.13	0.98	5.66	1.03	6.20	1.08	6.73	1.13	9.00	1.19	9.69	1.25	1.25
22	5.12	0.99	5.66	1.04	6.19	1.10	6.73	1.15	8.99	1.22	9.68	1.28	1.28
24	5.12	1.03	5.65	1.09	6.19	1.14	6.72	1.20	8.98	1.26	9.66	1.32	1.32

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

Pair

	FCAG71B	FAA71B	FVA71A	FHA71A	FUA71A	FBA71A
Cooling	2.17	1.99	2.01	1.78	1.77	1.89
Heating	2.01	2.25	2.02	2.00	1.93	1.93

Twin

	FCAG50B X 2	FHA50A X 2	FFA50A X 2	FDXM50F9 X 2	FBA50A X 2	FNA50A X 2
Cooling	1.81	1.47	2.08	1.77	1.78	1.77
Heating	1.96	1.62	1.59	2.02	1.69	2.02

Pair

	FCAG71B	FAA71B	FVA71A	FHA71A	FUA71A	FBA71A
AFR	15.3	16.9	18.0	20.5	23.0	18.0
(BF)	(0.14)	(0.16)	(0.16)	(0.13)	(0.24)	(0.13)

Twin

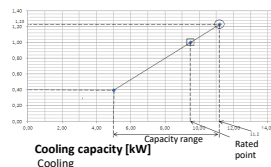
	FCAG50B X 2	FHA50A X 2	FFA50A X 2	FDXM50F9 X 2	FBA50A X 2	FNA50A X 2
AFR	12.5 x 2	14.0 x 2	10.0 x 2	8.7 x 2	15.0 x 2	8.7 x 2
(BF)	(0.4 x 2)	(0.17 x 2)	(0.25 x 2)	(0.17 x 2)	(0.08 x 2)	(0.17 x 2)

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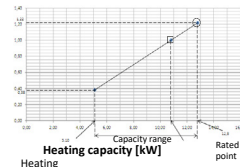
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Cooling



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

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	11.2	7.81	1.02	10.8	7.44	1.11	10.5	7.28	1.20	10.1	7.06	1.32
18.0	25	11.8	7.88	1.10	11.4	7.48	1.12	11.0	7.27	1.20	10.5	7.06	1.35
19.0	27	12.0	7.87	1.12	11.6	7.44	1.12	11.2	7.26	1.20	10.8	7.04	1.35
19.5	27	12.1	7.86	1.12	11.7	7.42	1.12	11.3	7.24	1.20	10.9	7.04	1.35
22.0	30	12.8	7.82	1.12	12.4	7.36	1.13	11.9	7.16	1.21	11.5	7.00	1.36
24.0	32	13.3	7.74	1.13	12.9	7.27	1.14	12.4	7.08	1.22	12.0	6.90	1.36

Indoor		Outdoor temperature (°C WB)											
		-15.0			-10.0			-5.0			0.0		
°CDB	°CWB	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
16	8.89	0.92	9.46	0.99	10.1	1.02	10.4	1.06	12.6	1.12	13.8	1.18	1.18
18	8.87	0.97	9.44	1.06	10.0	1.02	10.6	1.10	12.6	1.17	13.8	1.23	1.23
20	8.86	1.01	9.43	1.07	10.0	1.11	10.3	1.14	12.6	1.22	13.8	1.28	1.28
21	8.86	1.02	9.42	1.09	10.0	1.12	10.3	1.16	12.6	1.24	13.8	1.30	1.30
22	8.85	1.04	9.42	1.10	10.0	1.14	10.3	1.18	12.6	1.26	13.8	1.32	1.32
24	8.84	1.09	9.41	1.18	10.0	1.19	10.3	1.23	12.6	1.31	13.8	1.38	1.38

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

Pair

	FCAG100B	FAA100B	FVA100A	FHA100A	FUA100A	FBA100A
AFR	22.8	26.0	28.0	28.0	31.0	29.0
(BF)	(0.17)	(0.10)	(0.20)	(0.09)	(0.20)	(0.03)

Twin

	FCAG50B X 2	FHA50A9 X 2	FFA50A9 X 2	FDXM50F9 X 2	FBA50A9 X 2	FNA50A9 X 2
AFR	12.6 x 2	15.0 x 2	12.0 x 2	15.8 x 2	15.0 x 2	16.0 x 2
(BF)	(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

	FCAG35B X 3	FHA35A9 X 3	FFA35A9 X 3	FDXM35F9 X 3	FBA35A9 X 3	FNA35A9 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
(BF)	(0.4 x 3)	(0.17 x 3)	(0.25 x 3)	(0.17 x 3)	(0.08 x 3)	(0.17 x 3)

Pair

	FCAG100B	FAA100B	FVA100A	FHA100A	FUA100A	FBA100A
Cooling	2.92	3.52	2.97	2.97	2.97	2.97
Heating	2.92	2.85	2.43	2.86	2.85	2.26

Twin

	FCAG50B X 2	FHA50A9 X 2	FFA50A9 X 2	FDXM50F9 X 2	FBA50A9 X 2	FNA50A9 X 2
Cooling	2.57	2.97	3.39	2.44	2.86	2.44
Heating	2.37	2.23	2.33	2.41	2.19	2.23

Triple

	FCAG35B X 3	FHA35A9 X 3	FFA35A9 X 3	FDXM35F9 X 3	FBA35A9 X 3	FNA35A9 X 3
Cooling	2.32	2.16	2.71	2.57	2.65	2.57
Heating	2.84	2.77	2.14	2.26	1.99	2.31

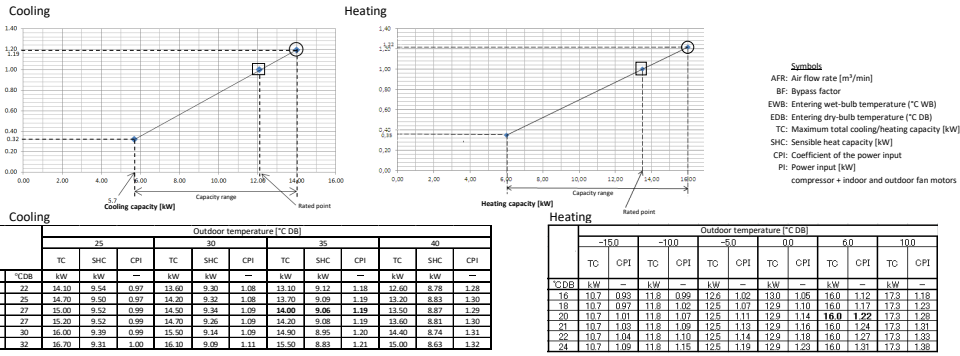
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7 Capacity tables

7 - 1 Cooling/Heating Capacity Tables

RZASG125MV

RZASG125MY



- 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
SHC* = 0.02 x AFR (m³/min) x (1.8F - DB) 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: 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.
 - The rated power input for each model is mentioned in the table below.

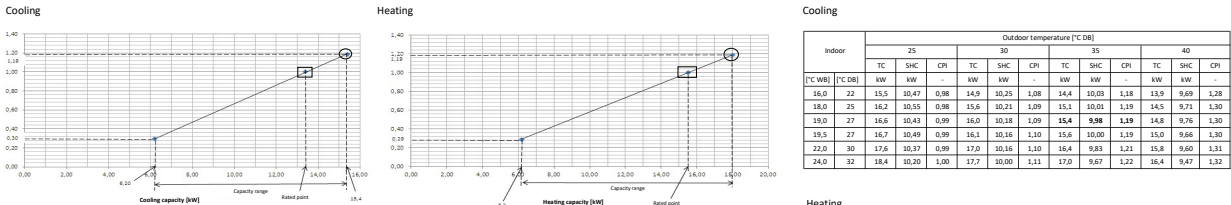
Pair	FCAG125B		FNA125A		FNA125A		FNA125A		FNA125A		FNA125A	
	AFR		30.0		30.0		31.0		32.5		34.0	
(BF)	(0.21)		(0.16)		(0.16)		(0.14)		(0.19)		(0.06)	
Twin	FCAG125B X 2		FNA125A X 2		FNA125A X 2		FNA125A X 2		FNA125A X 2		FNA125A X 2	
	AFR		33.6 x 2		35.0 x 2		35.0 x 2		36.0 x 2		36.0 x 2	
(BF)	(0.2 x 2)		(0.20 x 2)		(0.11 x 2)		(0.12 x 2)		(0.18 x 2)		(0.12 x 2)	
Triple	FCAG125B X 3		FNA125A X 3		FNA125A X 3		FNA125A X 3		FNA125A X 3		FNA125A X 3	
	AFR		32.6 x 3		35.0 x 3		35.0 x 3		36.0 x 3		36.0 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	FCAG125B X 4		FNA125A X 4		FNA125A X 4		FNA125A X 4		FNA125A X 4		FNA125A X 4	
	AFR		32.5 x 4		34.0 x 4		35.0 x 4		36.0 x 4		36.0 x 4	
(BF)	(0.4 x 4)		(0.17 x 4)		(0.25 x 4)		(0.17 x 4)		(0.08 x 4)		(0.17 x 4)	

Pair	FCAG125B		FNA125A		FNA125A		FNA125A		FNA125A		FNA125A	
	Cooling		4.95		4.73		4.90		4.60		5.15	
Twin	FCAG125B X 2		FNA125A X 2		FNA125A X 2		FNA125A X 2		FNA125A X 2		FNA125A X 2	
	Cooling		4.86		4.99		4.55		5.09		5.34	
Triple	FCAG125B X 3		FNA125A X 3		FNA125A X 3		FNA125A X 3		FNA125A X 3		FNA125A X 3	
	Cooling		4.55		4.82		5.34		4.58		5.07	
Double twin	FCAG125B X 4		FNA125A X 4		FNA125A X 4		FNA125A X 4		FNA125A X 4		FNA125A X 4	
	Cooling		3.33		4.34		4.64		4.97		3.82	
Heating	3.40		3.26		4.24		3.78		3.68		3.78	

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RZASG-MV1

RZASG-MY1



- 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
SHC* = 0.02 x AFR (m³/min) x (1.8F - DB) 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: 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.
 - The rated power input for each model is mentioned in the table below.

Pair	FCAG140B		FNA140A		FNA140A		FNA140A	
	AFR		26.0		30.0		34.0	
(BF)	(0.23)		(0.18)		(0.17)		(0.06)	
Twin	FCAG140B X 2		FNA140A X 2		FNA140A X 2		FNA140A X 2	
	AFR		15.3 x 2		18.0 x 2		23.0 x 2	
(BF)	(0.14 x 2)		(0.16 x 2)		(0.13 x 2)		(0.14 x 2)	
Triple	FCAG140B X 3		FNA140A X 3		FNA140A X 3		FNA140A X 3	
	AFR		12.6 x 3		15.0 x 3		18.0 x 3	
(BF)	(0.22 x 3)		(0.18 x 3)		(0.16 x 3)		(0.11 x 3)	
Double twin	FCAG140B X 4		FNA140A X 4		FNA140A X 4		FNA140A X 4	
	AFR		12.5 x 4		14.0 x 4		15.0 x 4	
(BF)	(0.4 x 4)		(0.20 x 4)		(0.25 x 4)		(0.17 x 4)	

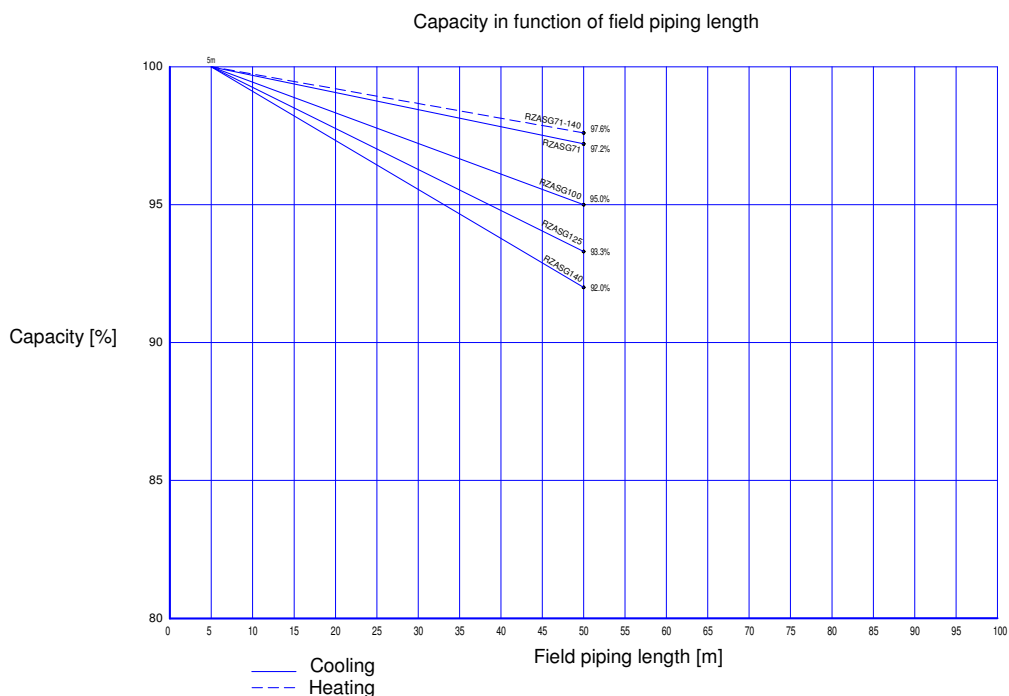
Pair	FCAG140B		FNA140A		FNA140A		FNA14
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7 Capacity tables

7 - 2 Capacity Correction Factor

RZASG-MV
RZASG-MY

7



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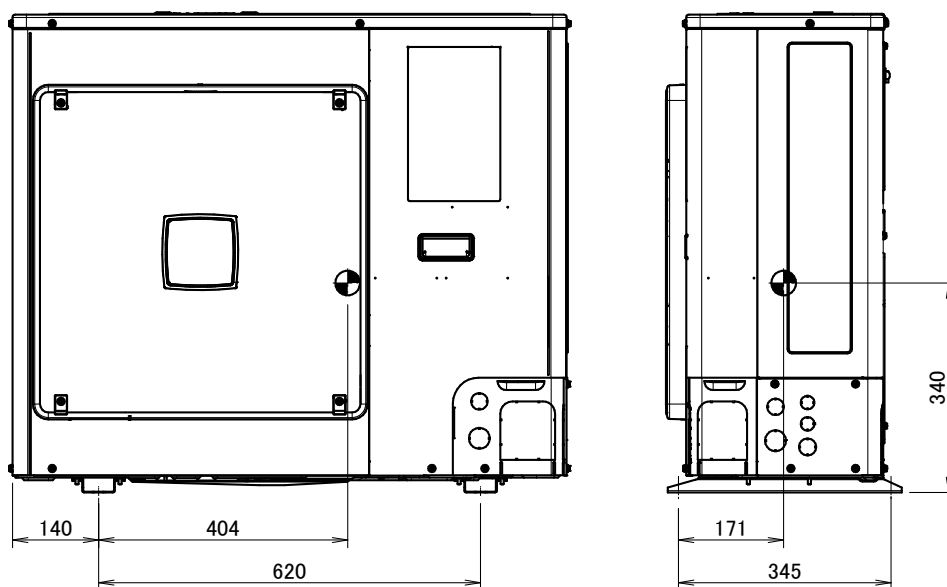
8 Centre of gravity

8 - 1 Centre of Gravity

AZAS71MV1

RZASG71MV1

8



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8 Centre of gravity

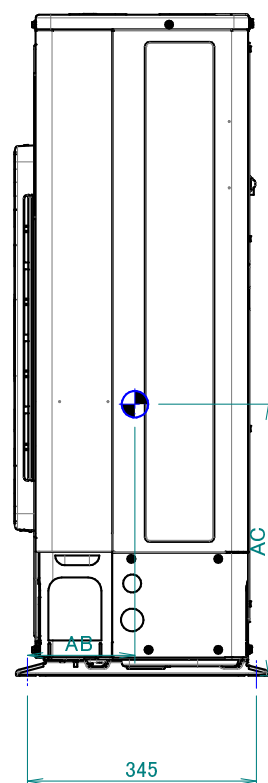
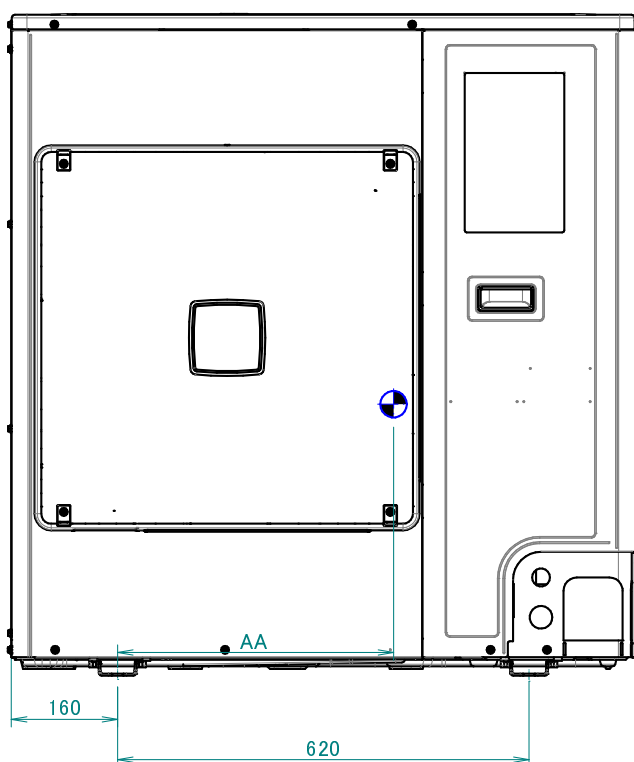
8 - 1 Centre of Gravity

AZAS-MV

AZAS-MY

RZASG-MV

RZASG-MY



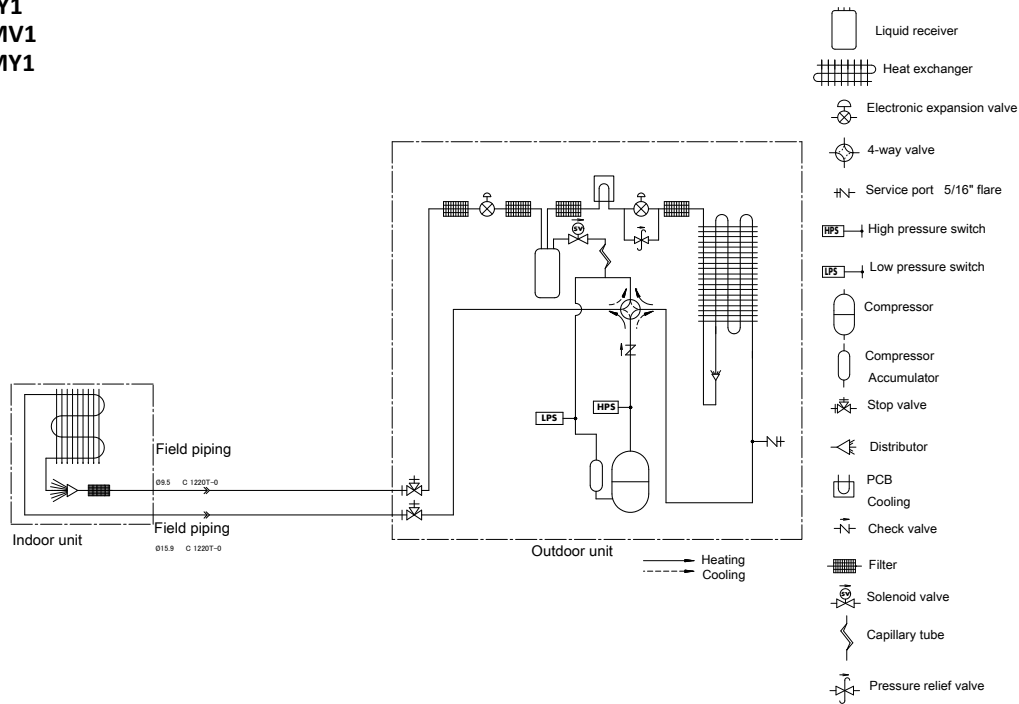
MODEL	AA	AB	AC
RZAG71M7V*	414	163	407
RZAG71M7Y*	432	137	407
RZASG100-125M7V*/AZAS100-125M7V*	425	181	422
RZASG100-125M7Y*/AZAS100-125M7Y*	414	156	417
RZASG140M7V*/AZAS140M7V*	414	161	423
RZASG140M7Y*/AZAS140M7Y*	416	151	418
RZASG100-125MUV/Y / AZAS100-125MUV/Y	425	175	430
RZASG140MUV/Y / AZAS140MUV/Y	425	161	423

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9 Piping diagrams

9 - 1 Piping Diagrams

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



Notes

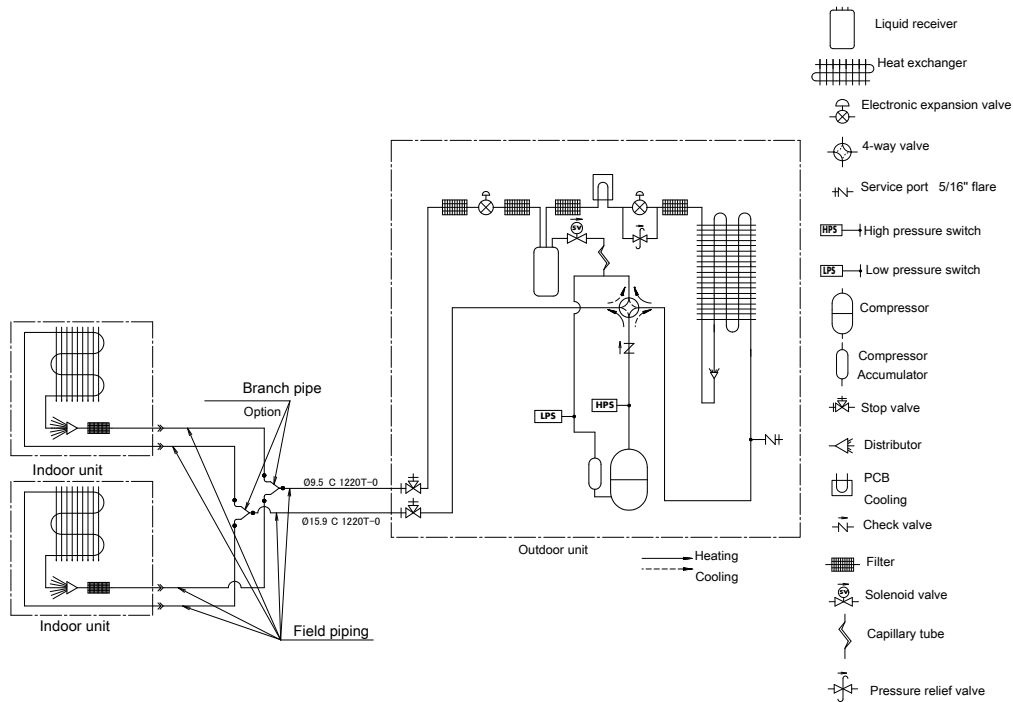
1. The pipes between the branch and the indoor units should have the same size as the indoor connections.

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9 Piping diagrams

9 - 2 Piping Diagram Twin Application

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

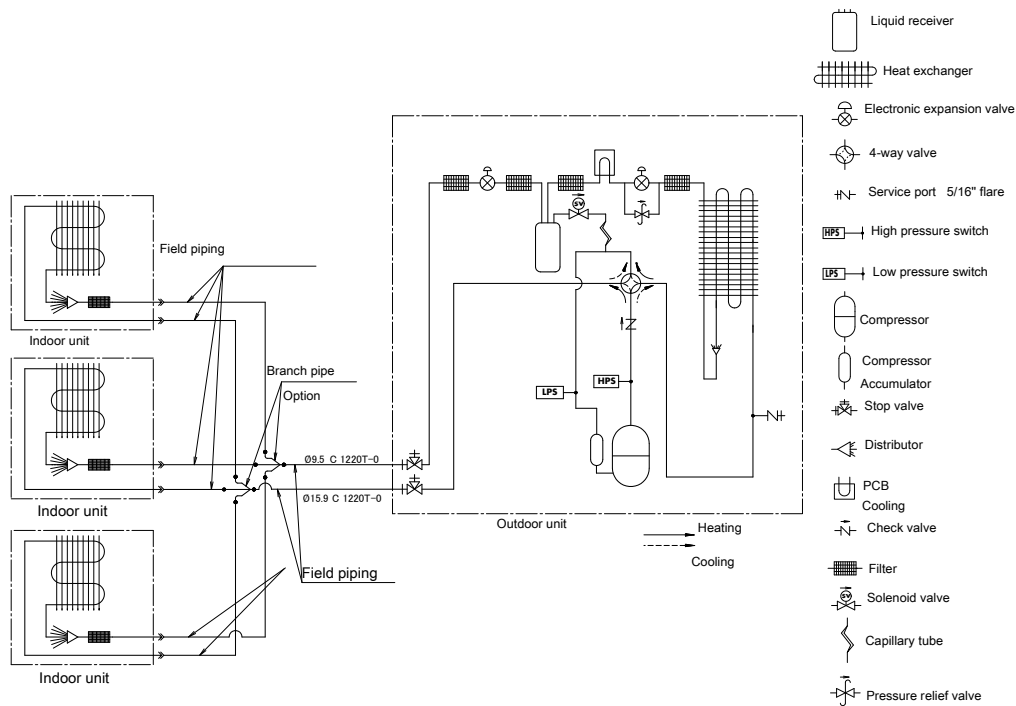


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9 Piping diagrams

9 - 3 Piping Diagram Triple Application

RZAG100-140MV1
RZAG100-140MY1
RZASG100-140MV1
RZASG-MY1



Notes

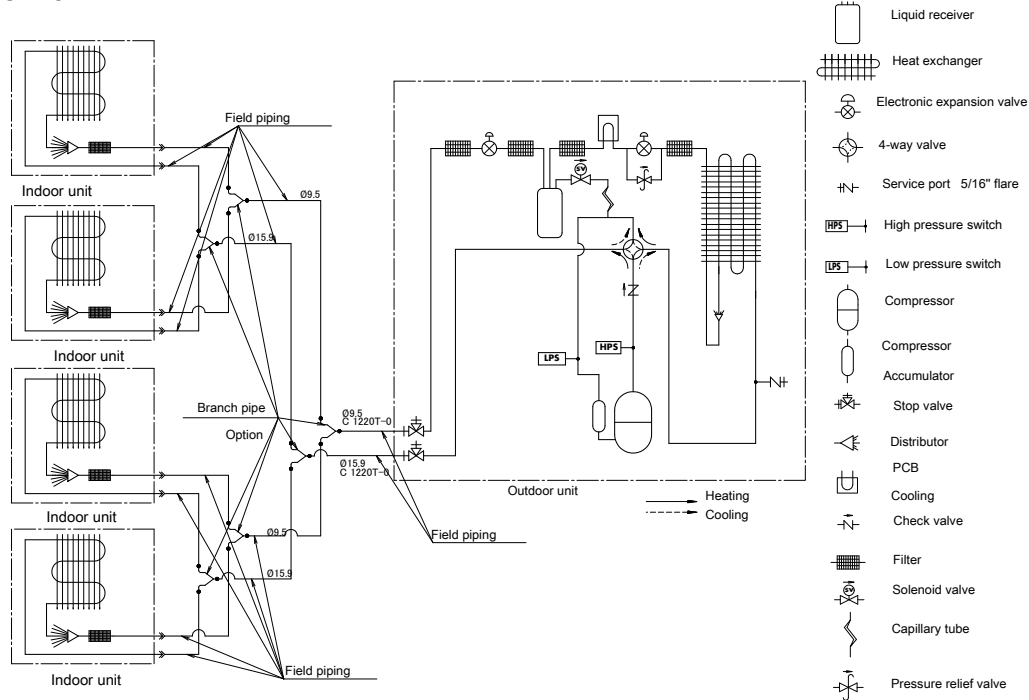
- The pipes between the branch and the indoor units should have the same size as the indoor connections.

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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.

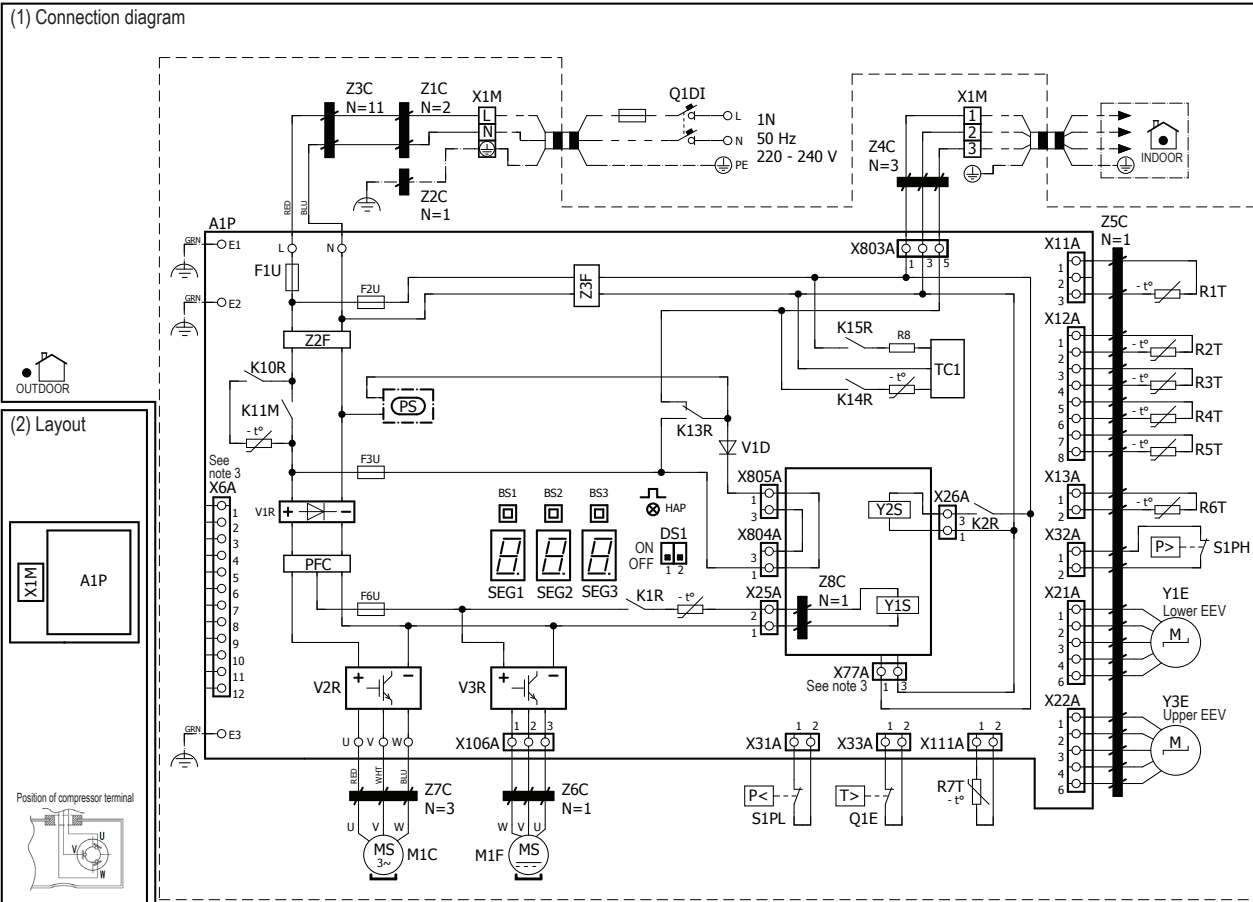
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10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

10

AZAS71MV1 RZASG71MV1



(3) NOTES

	: Connection		: switch box
	: Main terminal		: PCB
	: Earth wiring		: Wiring depending on model
	: Field supply		: Protective earth
	: Option		: Field wire

(4) LEGEND

Part n°	Description
A1P	Printed circuit board (main)
BS1-3 (A1P)	Push-button switch
DS1(A1P)	Dipswitch
E1-3 (A1P)	Connector
F1U (A1P)	Fuse T 31,5 A 250 V
F2U (A1P)	Fuse T 6,3 A 250 V
F3U (A1P)	Fuse T 6,3 A 250 V
F6U (A1P)	Fuse T 5 A 250V
HAP (A1P)	Light-emitting diode (service monitor is green)
K1R (A1P)	Magnetic relay (Y1S)
K2R (A1P)	Magnetic relay (Y2S)
K13-15R, K10R (A1P)	Magnetic relay
K11M (A1P)	Magnetic contactor
L (A1P)	Connector
M1C	Compressor motor
M1F	Fan motor
N (A1P)	Connector
PFC (A1P)	Power factor correction
PS (A1P)	Switching power supply
Q1DI	Earth leakage circuit breaker (30mA)
Q1E	Overload protection

Part n°	Description
R1T	Thermistor (air)
R2T	Thermistor (discharge)
R3T	Thermistor (suction)
R4T	Thermistor (heat exchanger)
R5T	Thermistor (heat exchanger middle)
R6T	Thermistor (liquid)
R7T	Thermistor (fin)
R8 (A1P)	Resistor
S1PH	High pressure switch
S1PL	Low pressure switch
SEG1-3 (A1P)	7-segment display
TC1 (A1P)	Signal transceiver circuit
U, V, W (A1P)	Connector
V1D (A1P)	Diode
V*R (A1P)	Diode module
X*A (A1P)	Connector
X1M	Terminal strip
Y1E, Y3E	Electronic expansion valve
Y1-2S	Solenoid valve (4-way valve)
Z*C	Noise filter (ferrite core)
Z*F (A1P)	Noise filter

* : optional
: field supply

NOTES

- Refer to the wiring diagram sticker (on the back of the front plate) for how to use the BS1-BS3 and DS1 switches.
- When operating, do not short-circuit protection device(s) S1PH, S1PL and Q1E.
- Refer to the combination table and the option manual for how to connect the wiring to X6A and X77A.
- Colours: BLK:black; RED:red; BLU:blue; WHT:white; GRN:green

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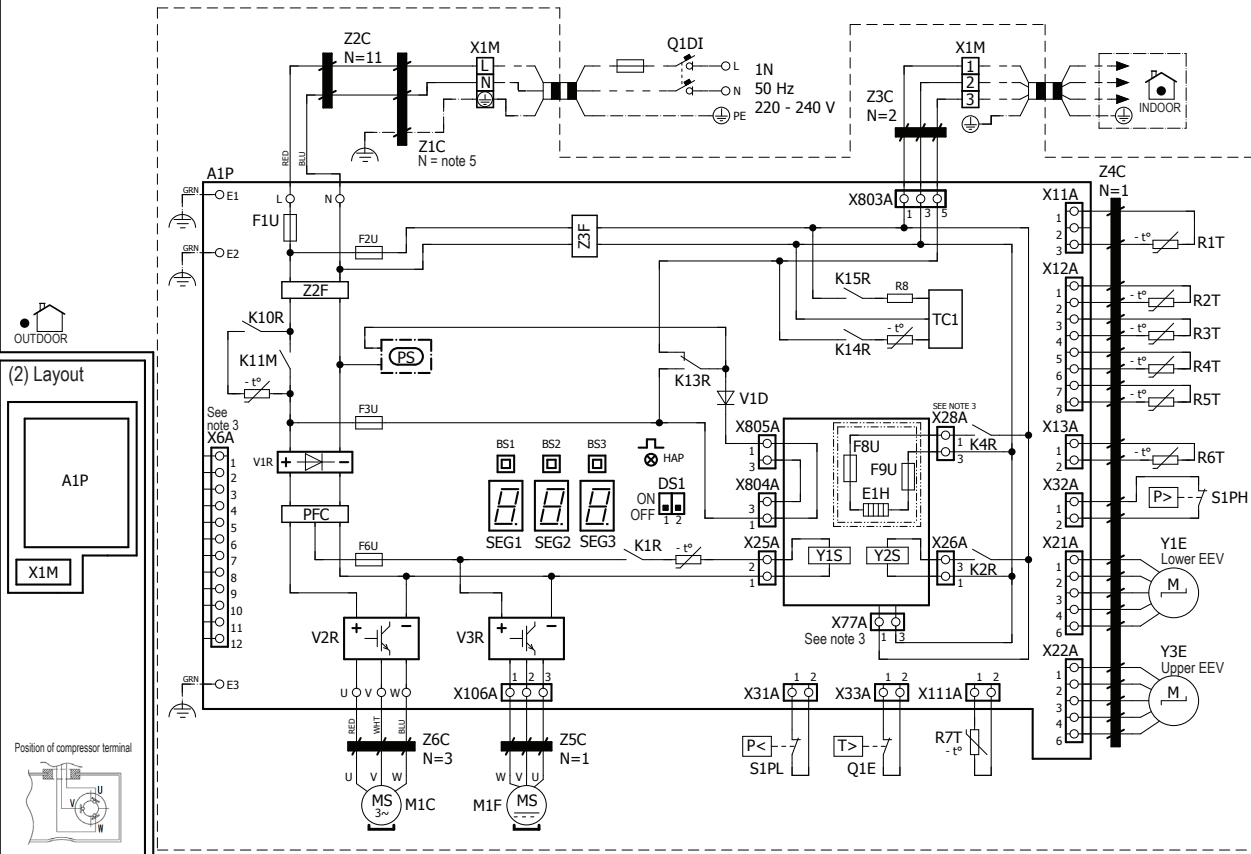
10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

10

AZAS100MV1 RZAG71MV1 RZASG100MV1

(1) Connection diagram



(3) NOTES

⬤	: Connection	□	: switch box
X1M	: Main terminal	□	: PCB
—	: Earth wiring	□	: Wiring depending on model
---	: Field supply	⊕	: Protective earth
□	: Option	⊗	: Field wire

(4) LEGEND

Part n°	Description
A1P	Printed circuit board (main)
BS1-3 (A1P)	Push-button switch
DS1(A1P)	Dipswitch
E1-3 (A1P)	Connector
E1H	* Bottom plate heater
F1U (A1P)	Fuse T 31,5 A 250 V
F2U (A1P)	Fuse T 6,3 A 250 V
F3U (A1P)	Fuse T 6,3 A 250 V
F6U (A1P)	Fuse T 5 A 250V
F8-9U	* Fuse F 1 A 250 V
HAP (A1P)	Light-emitting diode (service monitor is green)
K1R (A1P)	Magnetic relay (Y1S)
K2R (A1P)	Magnetic relay (Y2S)
K4R (A1P)	Magnetic relay (E1H)
K13-15R, K10R (A1P)	Magnetic relay
K11M (A1P)	Magnetic contactor
L (A1P)	Connector
M1C	Compressor motor
M1F	Fan motor
N (A1P)	Connector
PFC (A1P)	Power factor correction
PS (A1P)	Switching power supply
Q1DI	Earth leakage circuit breaker (30mA)

Part n°	Description
Q1E	Overload protection
R1T	Thermistor (air)
R2T	Thermistor (discharge)
R3T	Thermistor (suction)
R4T	Thermistor (heat exchanger)
R5T	Thermistor (heat exchanger middle)
R6T	Thermistor (liquid)
R7T	Thermistor (fin)
R8 (A1P)	Resistor
S1PH	High pressure switch
S1PL	Low pressure switch
SEG1-3 (A1P)	7-segment display
TC1 (A1P)	Signal transceiver circuit
U, V, W (A1P)	Connector
V1D (A1P)	Diode
V*R (A1P)	Diode module
X*A (A1P)	Connector
X1M	Terminal strip
Y1E, Y3E	Electronic expansion valve
Y1-2S	Solenoid valve (4-way valve)
Z*C	Noise filter (ferrite core)
Z*F (A1P)	Noise filter

* : optional # : field supply

NOTES

- Refer to the wiring diagram sticker (on the back of the front plate) for how to use the BS1-BS3 and DS1 switches.
- When operating, do not short-circuit protection device(s) S1PH, S1PL and Q1E.
- Refer to the combination table and the option manual for how to connect the wiring to X6A, X28A and X77A.
- Colours: BLK:black; RED:red; BLU:blue; WHT:white; GRN:green
- Windings: L-N: 2 - Earth: 1

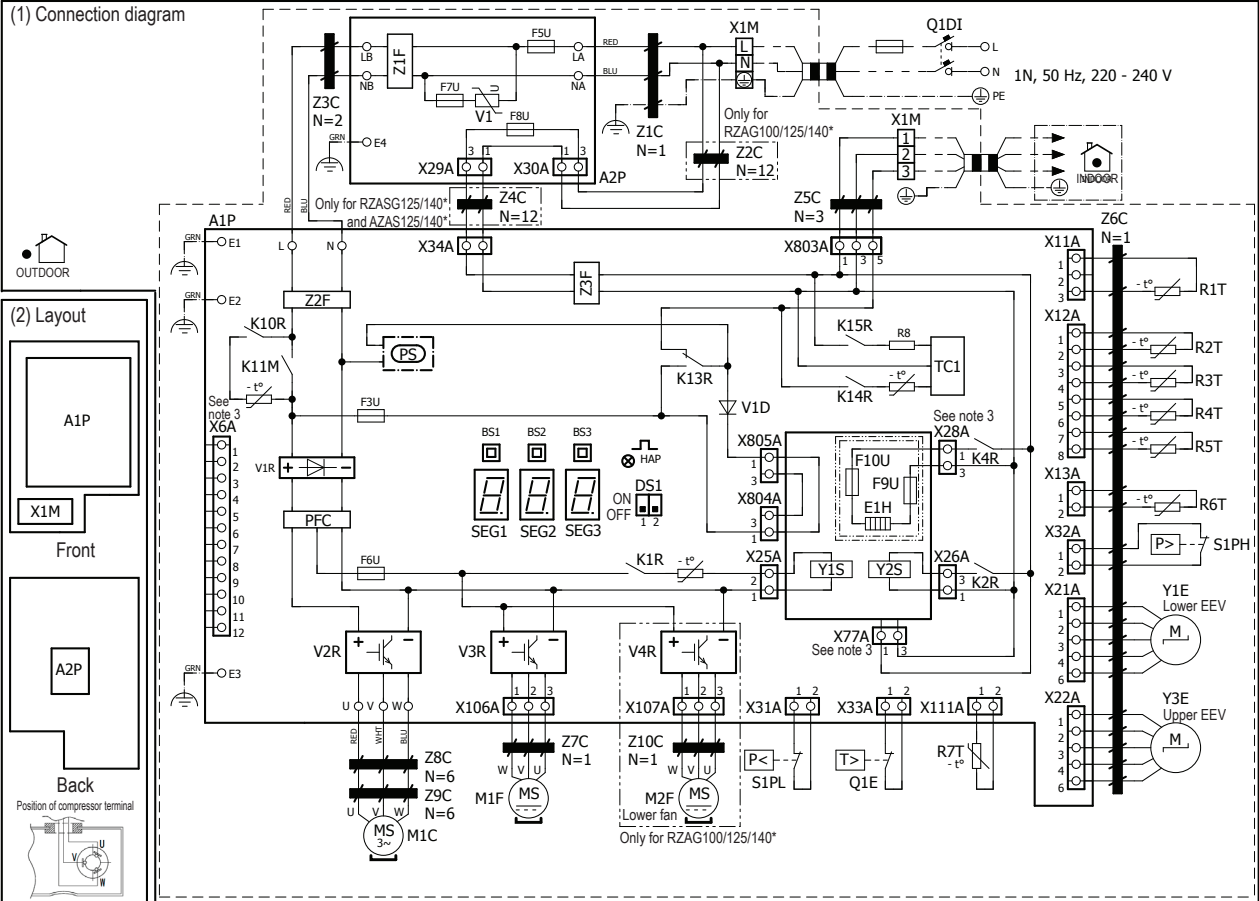
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10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

10

AZAS125-140MV1 RZAG100-140MV1 RZASG125-140MV1



(3) NOTES

- : Connection
- X1M : Main terminal
- : Earth wiring
- ① : Field supply
- ① : Several wiring possibilities
- ⊕ : Protective earth
- : Field wire
- : Wiring depending on model
- : Option
- : Switch box
- : PCB

(4) LEGEND

Part n°	Description
A1P	Printed circuit board (main)
A2P	Printed circuit board (noise filter)
BS1~3 (A1P)	Push-button switch
DS1(A1P)	Dipswitch
E1~3 (A1~2P)	Connector
E1H	* Bottom plate heater
F3U (A1P)	Fuse T 6.3 A 250 V
F5U (A2P)	Fuse T 56 A 250V
F6U (A1P)	Fuse T 5 A 250V
F7U (A2P)	Fuse T 6.3 A 250 V
F8U (A2P)	Fuse T 6.3 A 250 V
F9-10U	* Fuse F 1 A 250 V
HAP (A1P)	Light-emitting diode (service monitor is green)
K1R (A1P)	Magnetic relay (Y1S)
K2R (A1P)	Magnetic relay (Y2S)
K4R (A1P)	Magnetic relay (E1H)
K13~15R, K10R (A1P)	Magnetic relay
K11M (A1P)	Magnetic contactor
L* (A1~2P)	Connector
M1C	Compressor motor
M1~2F	Fan motor
PFC (A1P)	Power factor correction
PS (A1P)	Switching power supply

Part n°	Description
Q1DI	Earth leakage circuit breaker (30mA)
Q1E	Overload protection
R1T	Thermistor (air)
R2T	Thermistor (discharge)
R3T	Thermistor (suction)
R4T	Thermistor (heat exchanger)
R5T	Thermistor (heat exchanger middle)
R6T	Thermistor (liquid)
R7T	Thermistor (fin)
R8 (A1P)	Resistor
S1PH	High pressure switch
S1PL	Low pressure switch
SEG1~3 (A1P)	7-segment display
TC1 (A1P)	Signal transceiver circuit
U, V, W (A1P)	Connector
V1 (A2P)	Varistor
V1D (A1P)	Diode
V*R (A1P)	Diode module
X*A (A1~2P)	Connector
X1M	Terminal strip
Y1E, Y3E	Electronic expansion valve
Y1-2S	Solenoid valve (4-way valve)
Z*C	Noise filter (ferrite core)
Z*F (A1~2P)	Noise filter

* : optional # : field supply

NOTES

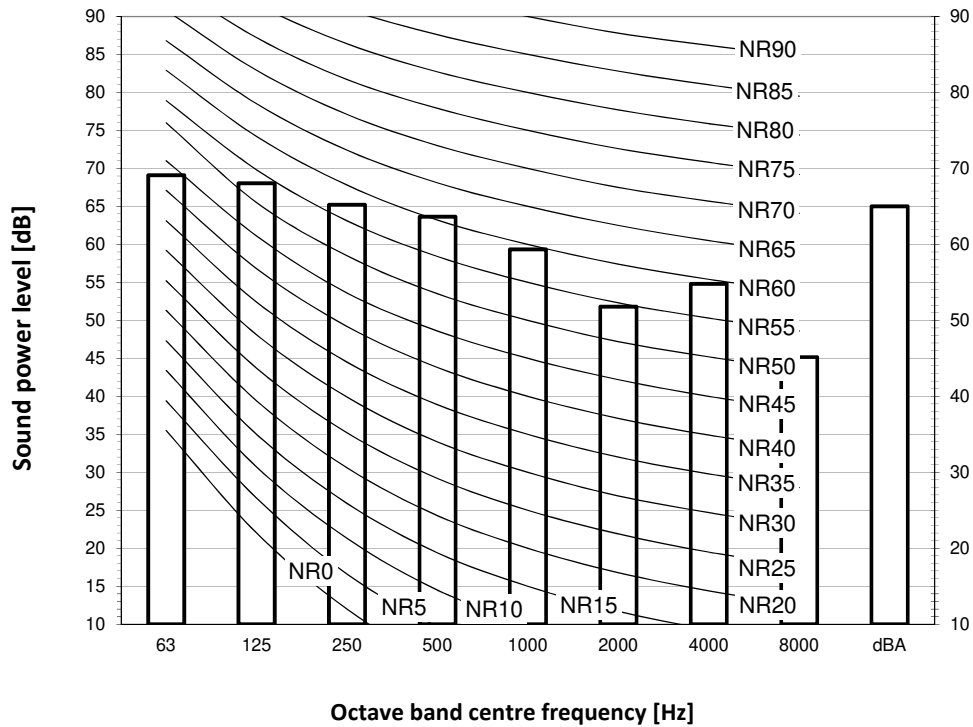
- Refer to the wiring diagram sticker (on the back of the front plate) for how to use the BS1~BS3 and DS1 switches.
- When operating, do not short-circuit protection device(s) S1PH, S1PL and Q1E.
- Refer to the combination table and the option manual for how to connect the wiring to X6A, X28A and X77A.
- Colours: BLK:black; RED:red; BLU:blue; WHT:white; GRN:green

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11 Sound data

11 - 1 Sound Power Spectrum

AZAS71MV1
RZASG71MV1

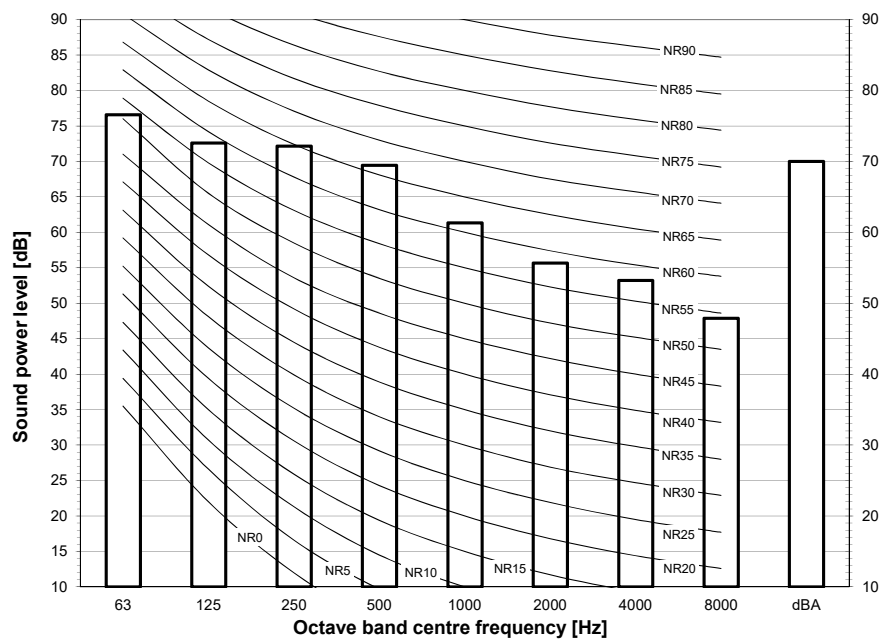


Notes

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

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AZAS100MV1
AZAS100MY1
RZASG100MV1
RZASG100MY1



Notes

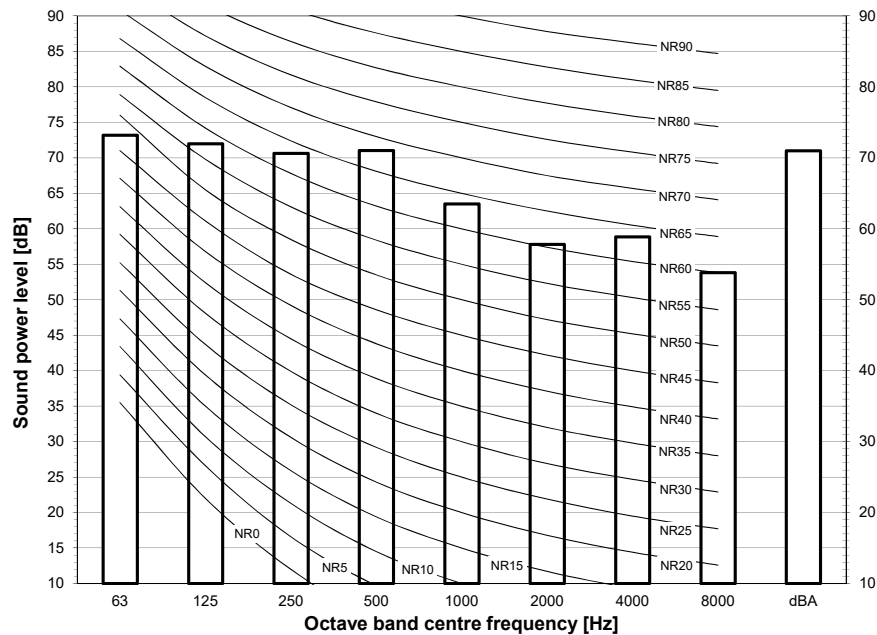
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10^{-6} W/m².
- Measured according to ISO 3744

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11 Sound data

11 - 1 Sound Power Spectrum

AZAS125MV1
AZAS125MY1
RZASG125MV1
RZASG125MY1

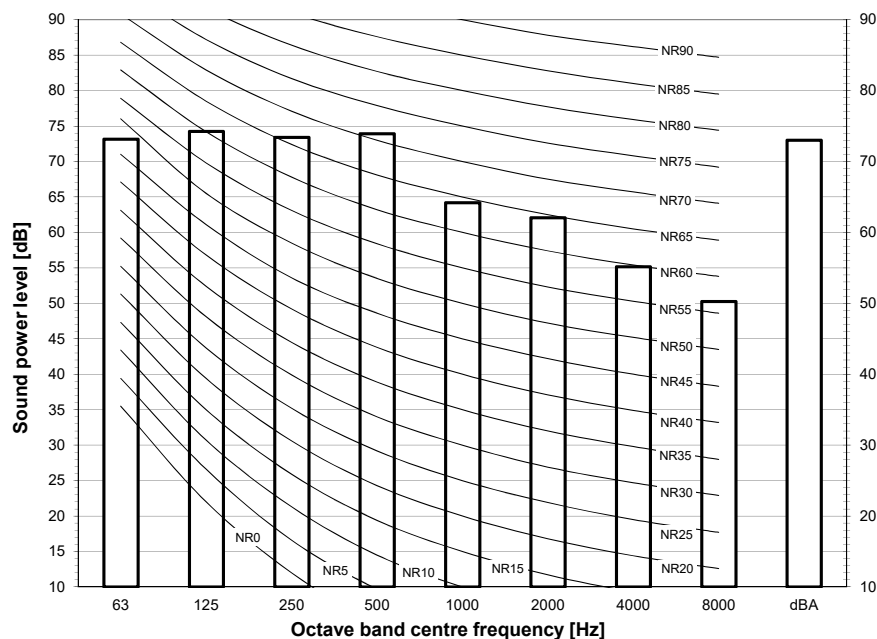


Notes

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

3D110039

AZAS140MV1
AZAS140MY1
RZASG140MV1
RZASG140MY1



Notes

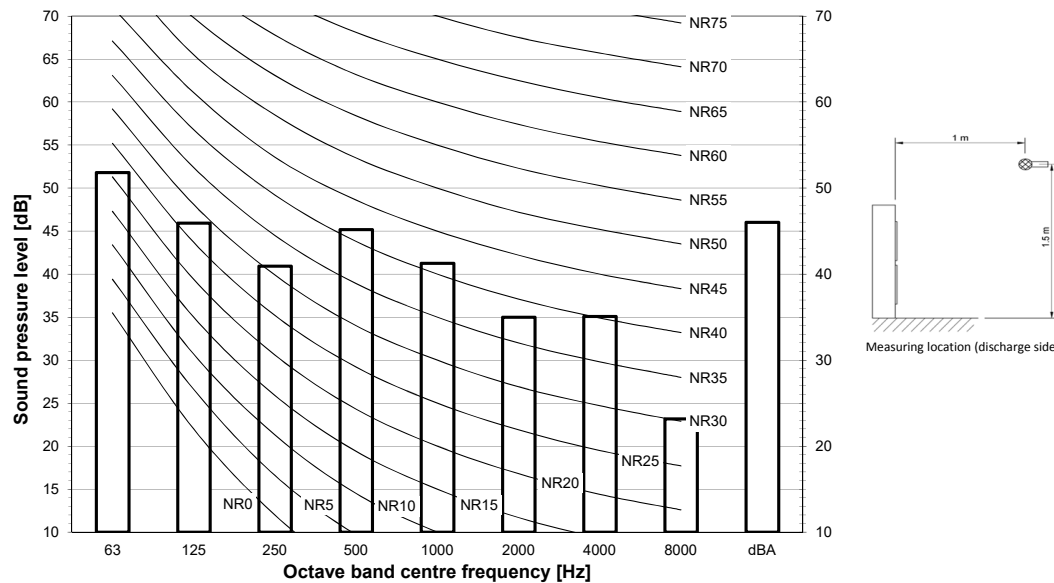
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6μW/m²
- Measured according to ISO 3744

3D110040

11 Sound data

11 - 2 Sound Pressure Spectrum - Cooling

AZAS71MV1
RZASG71MV1

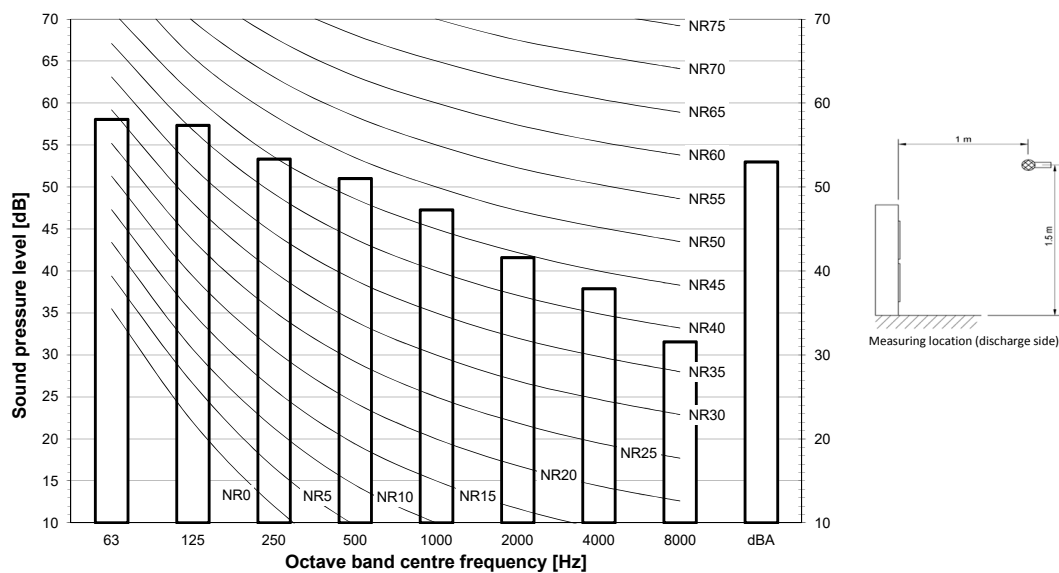


Notes

- 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

3D110049

AZAS100MV1
AZAS100MY1
RZASG100MV1
RZASG100MY1



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

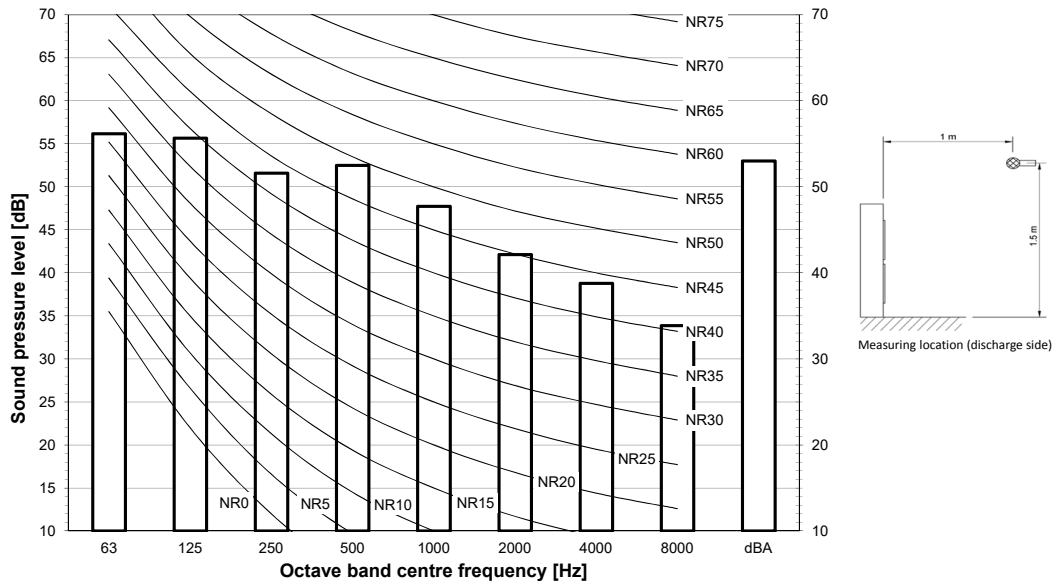
3D110050

11 Sound data

11 - 2 Sound Pressure Spectrum - Cooling

11

AZAS125MV1
AZAS125MY1
RZASG125MV1
RZASG125MY1

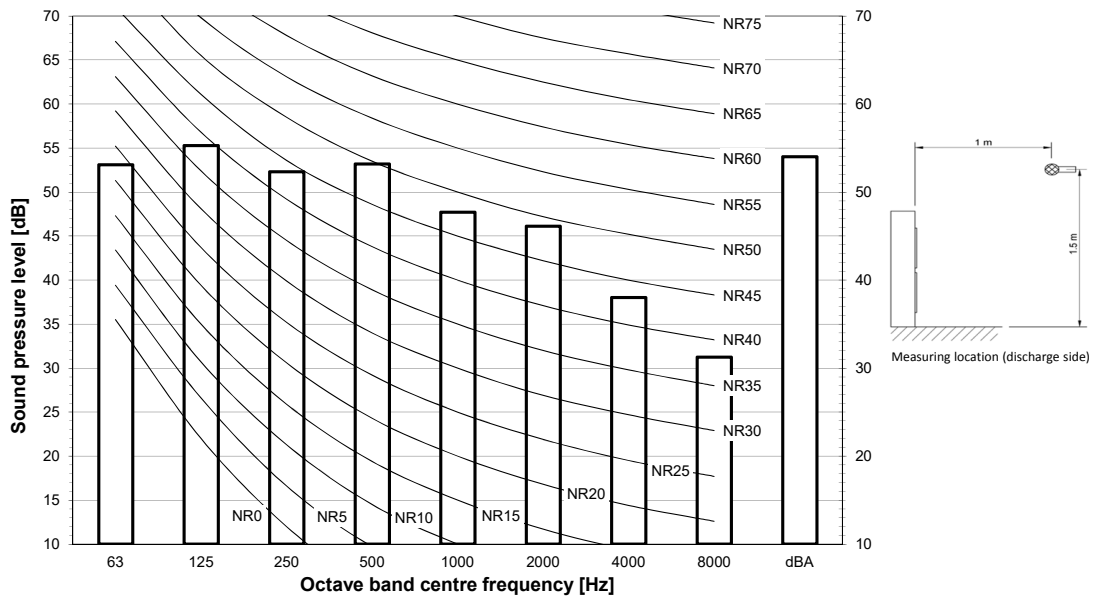


Notes

- 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

3D110051

AZAS140MV1
AZAS140MY1
RZASG140MV1
RZASG140MY1



Notes

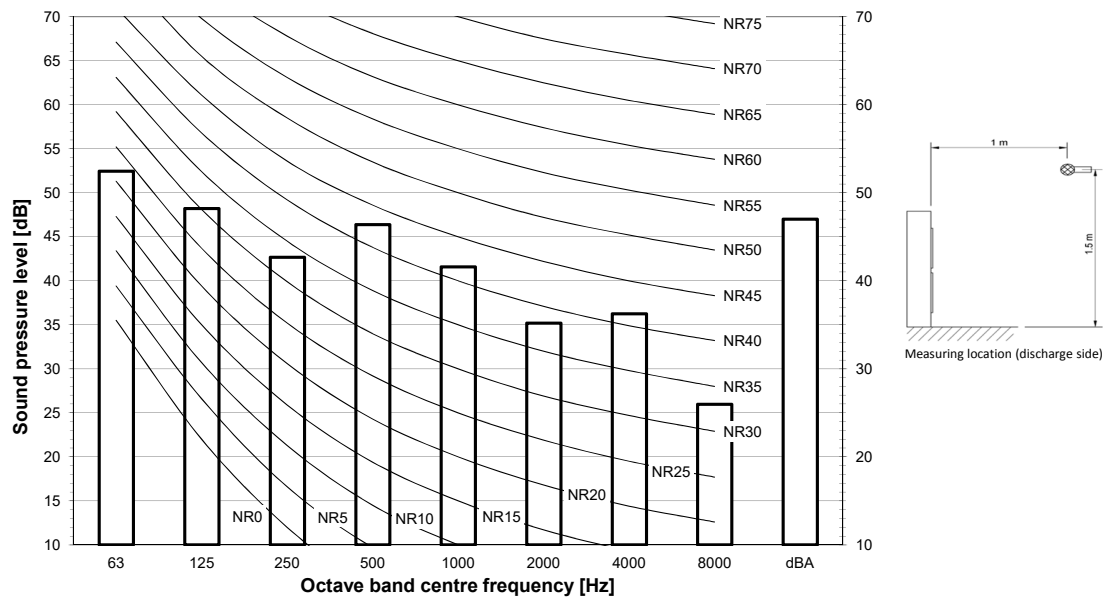
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D111310

11 Sound data

11 - 3 Sound Pressure Spectrum - Heating

AZAS71MV1
RZASG71MV1

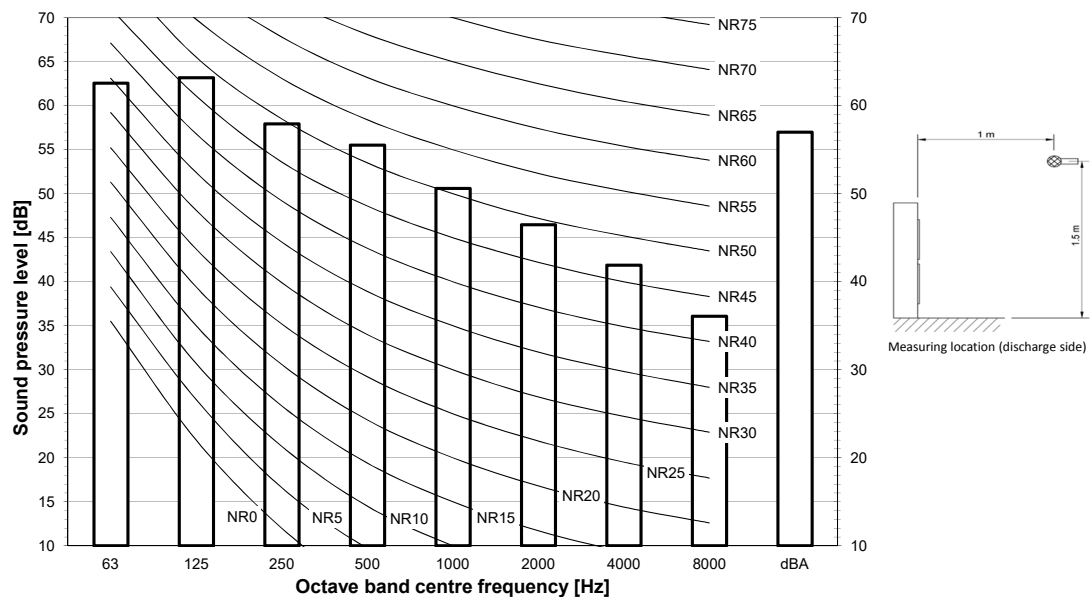


Notes

- 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

3D111293

AZAS100MV1
AZAS100MY1
RZASG100MV1
RZASG100MY1



Notes

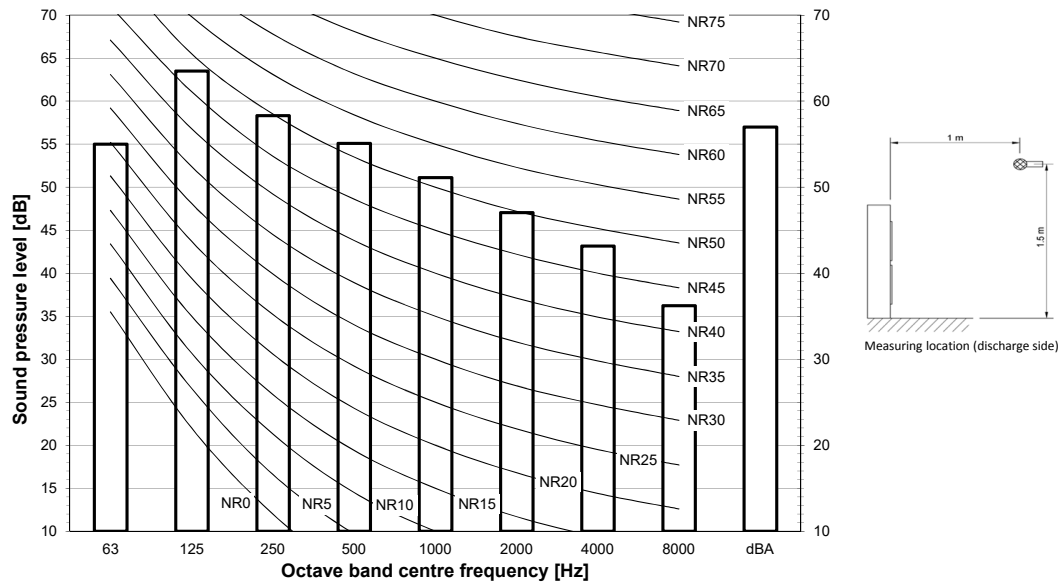
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D111294

11 Sound data

11 - 3 Sound Pressure Spectrum - Heating

AZAS125MV1
AZAS125MY1
RZASG125MV1
RZASG125MY1

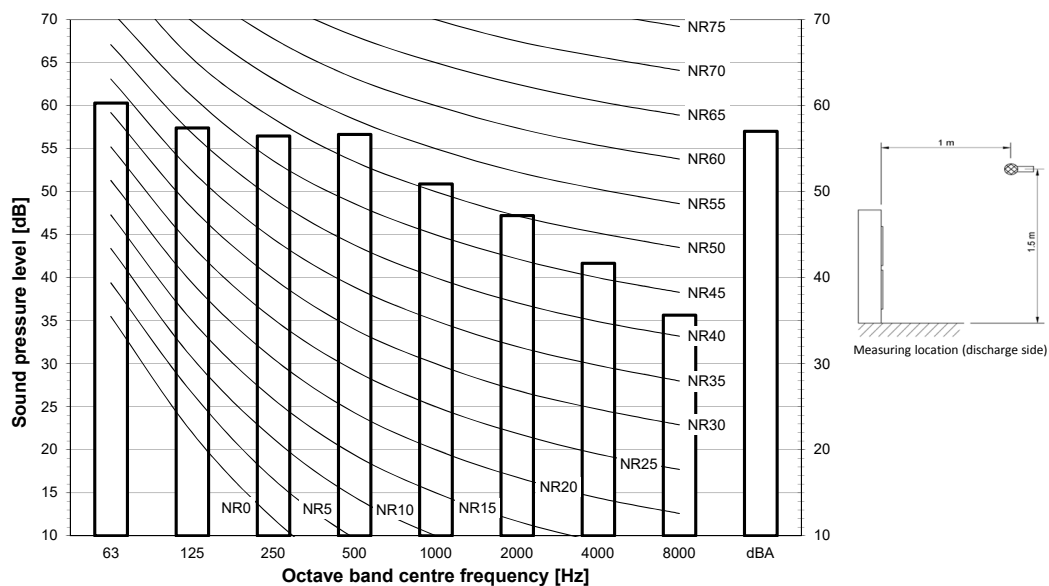


Notes

- 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

3D111295

AZAS140MV1
AZAS140MY1
RZASG140MV1
RZASG140MY1



Notes

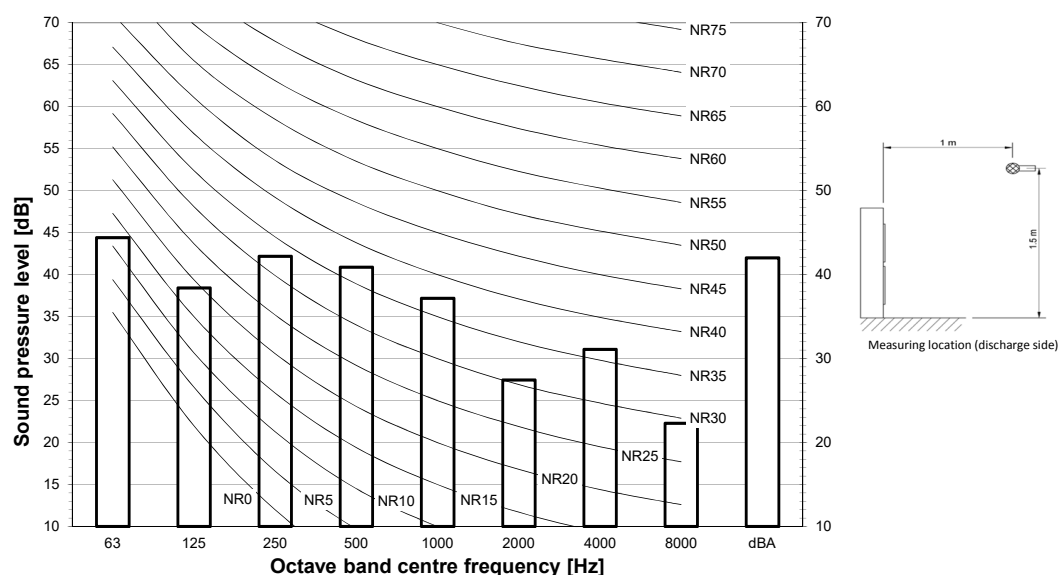
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D111296

11 Sound data

11 - 4 Sound Pressure Spectrum Quiet Mode

AZAS71MV1
RZASG71MV1

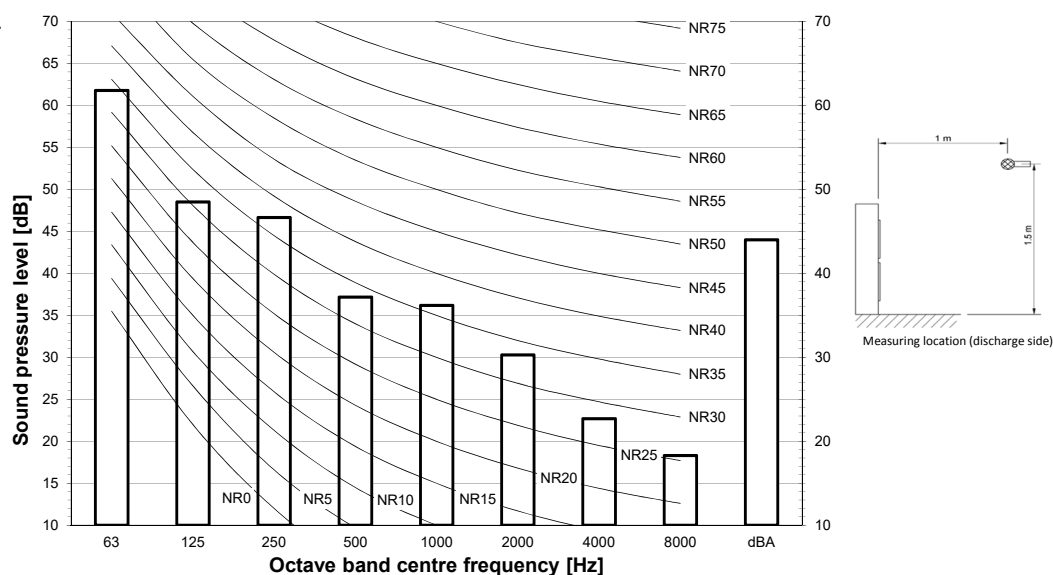


Notes

- 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

3D111315

AZAS100MV1
AZAS100MY1
RZASG100MV1
RZASG100MY1



Notes

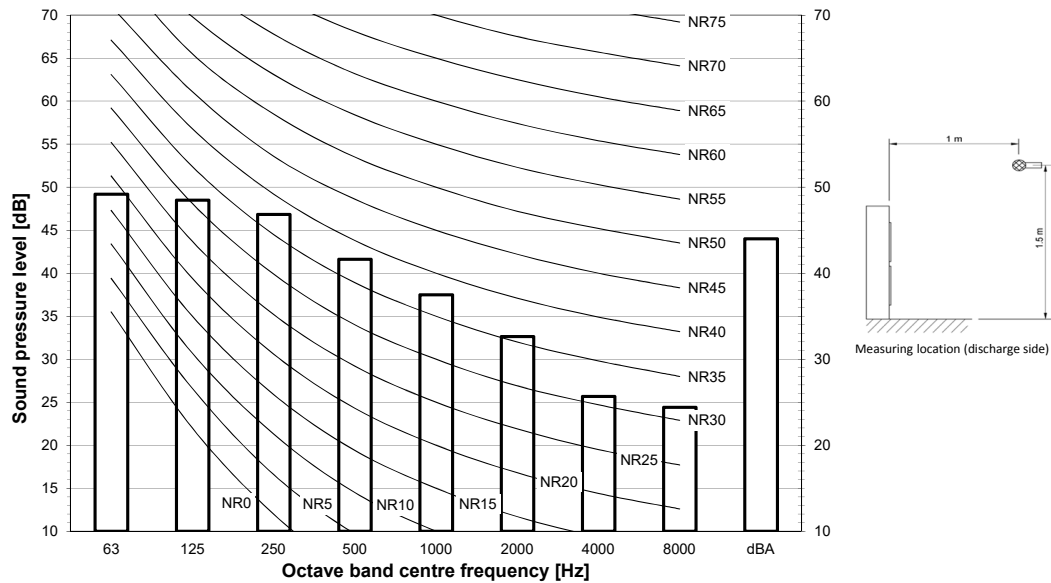
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D111316

11 Sound data

11 - 4 Sound Pressure Spectrum Quiet Mode

AZAS125MV1
AZAS125MY1
RZASG125MV1
RZASG125MY1

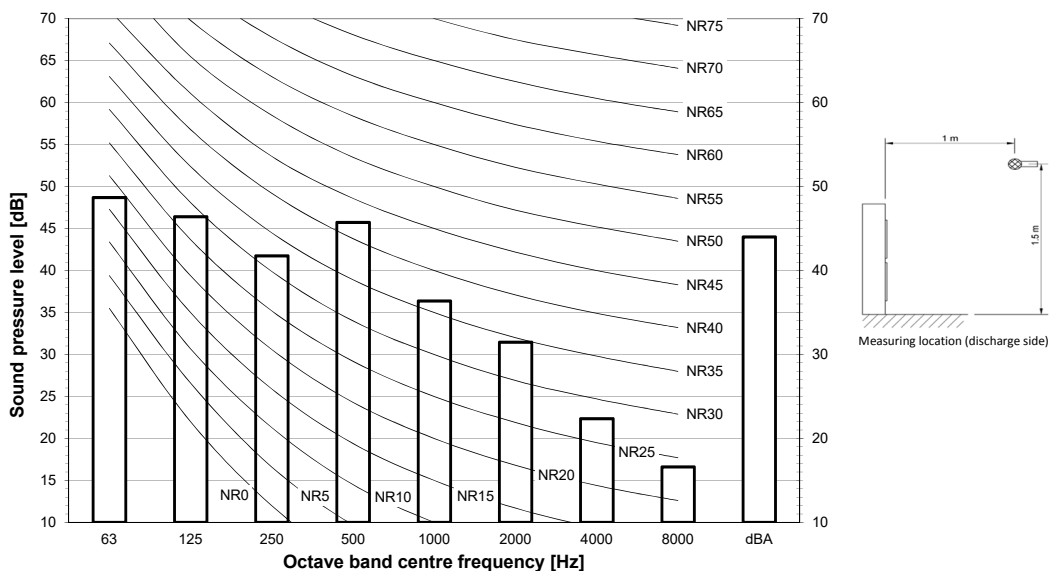


Notes

- 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

3D111317

AZAS140MV1
AZAS140MY1
RZASG140MV1
RZASG140MY1



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

3D111318

12 Installation

12 - 1 Installation Method

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

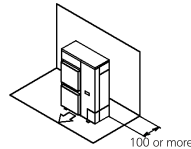
Installation service space

The measure of these values is "mm".

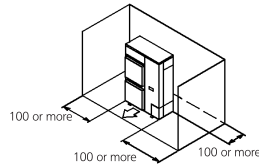
(A) When there are obstacles on suction sides.

• No obstacle above

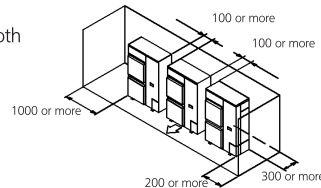
- ① Stand-alone installation
 - Obstacle on the suction side only



- Obstacle on both sides and suction side, too

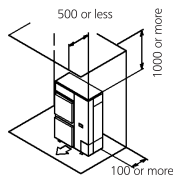


- ② Series installation (2 or more) (Note 1)
 - Obstacle on the suction side and both sides

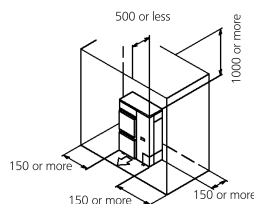


• Obstacle above, too.

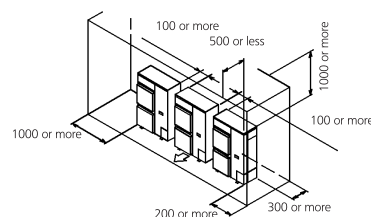
- ① Stand-alone installation
 - Obstacle on the suction side, too



- Obstacle on both sides and suction side, too



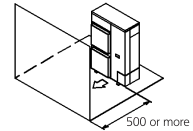
- ② Series installation (2 or more) (Note 1)
 - Obstacle on the suction side and both sides



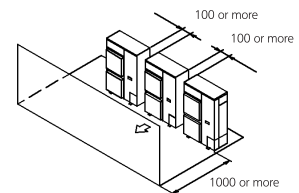
(B) When there are obstacles on discharge sides.

• No obstacle above

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

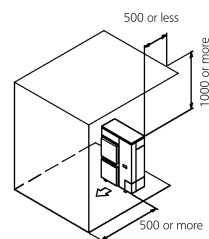


- ② Series installation (2 or more) (Note 1)
 - Obstacle on the discharge side only

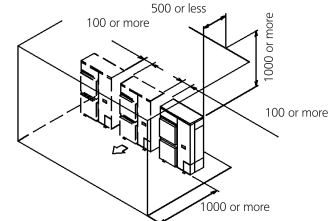


• Obstacle above, too

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



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



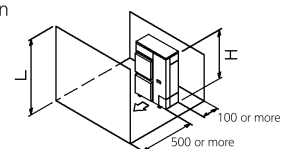
(C) When there are obstacles on both suction and discharge sides.:

Pattern 1

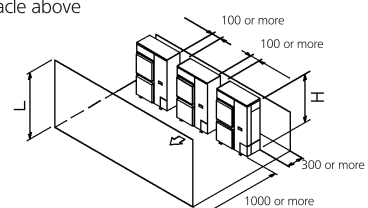
When the obstacles on the discharge side is higher than the unit. (L>H)
(There is no limit for the height of obstructions on the suction side.)

• No obstacle above

- ① Stand-alone installation
 - No obstacle above



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



3D069554

12 - 1 Installation Method

AZAS-MY1

Diagram illustrating a vertical fire door assembly with dimensions: H (height), L (width), and a base offset of 100 or more and 500 or more.

Diagram illustrating a three-unit townhouse row. The units are labeled "100 or more" for width and "1500 or more" for depth. The overall width is labeled "A or more". The height is labeled "H". The diagram shows the units are attached to each other and to the side walls.

Diagram illustrating a single door opening with dimensions: 500 or less (width), 1000 or more (height), and A or more (depth).

Diagram illustrating a 2x2x2 cube structure, likely representing a unit cell or a small cluster of atoms. The dimensions are labeled as 100 or more, 500 or more (Note 3), and 1000 or more. A point A is marked on the front face.

Diagram illustrating the installation of a fire alarm system. The diagram shows three fire alarm control panels (FACP) connected to a central control unit. The dimensions are labeled as follows:

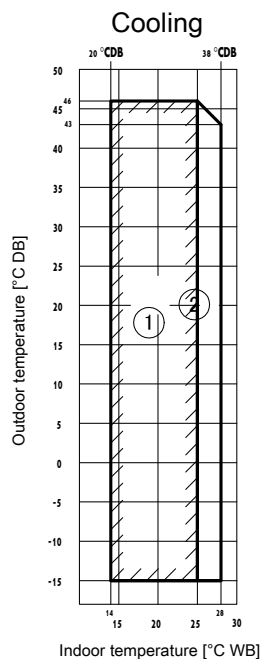
- 100 or more
- 2000 or more
- 200 or more
- 1000 or more

- 1 In case of the sideways piping, make a 100mm gap between the unit above.
- 2 Close the bottom of the installation frame to prevent the discharged air from being bypassed.
- 3 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 reintake of discharged air.

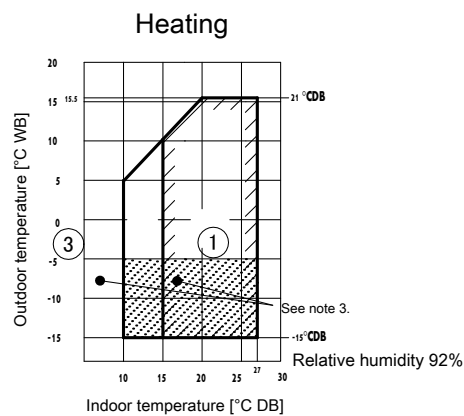
13 Operation range

13 - 1 Operation Range

RZASG-MV1
RZASG-MY1



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



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. In case of high humidity conditions (> 92%) at ambient temperatures of < -5°C, a RZAG model should be used instead to avoid freeze-up of the outdoor unit.

3D110021

14 Appropriate Indoors

14 - 1 Appropriate Indoors

14

AZAS-MV / AZAS-MY / RZASG-MV / RZASG-MY

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		FCAHG71	FCAHG100	FCAHG125	FCAHG140	FCAG35	FCAG50	FCAG60	FCAG71	FCAG100	FCAG125	FCAG140	FFA35	FFA50	FFA60	FBA35	FBA50	FBA60	FBA71	FBA100	FBA125	FBA140	FNA35	FNA50	FNA60	FUA71	FUA100	FUA125	FAA71	FAA100	FDA125	
RZAG125M7V1B	RZAG125M7Y1B		P		4						P					4				P							P				P	
RZAG140M7V1B	RZAG140M7Y1B			P	4							P				4					P	P						P				
RZASG125M7V1B	RZASG125M7Y1B				4						P					4					P							P			P	
RZASG140M7V1B	RZASG140M7Y1B				4						P					4					P	P										
RZASG125MUV	RZASG125MUY				4						P					4					P							P			P	
RZASG140MUV	RZASG140MUY				4							P				4					P	P										
AZAS125M7V1B	AZAS125M7Y1B										P											P										
AZAS140M7V1B	AZAS140M7Y1B											P										P	P									
AZAS125MUV	AZAS125MUY										P											P										
AZAS140MUV	AZAS140MUY											P										P	P									

Sky Air		Floor standing type				Slim duct			Ceiling-suspended						Duct (medium ESP)						Floor standing
		FVA71	FVA100	FVA125	FVA140	FDXM35	FDXM50	FDXM60	FHA35	FHA50	FHA60	FHA71	FHA100	FHA125	FHA140	ADEA35	ADEA50	ADEA60	ADEA71	ADEA100	ADEA125
Model																					
RZAG125M7V1B	RZAG125M7Y1B			P									P								
RZAG140M7V1B	RZAG140M7Y1B				P									P							
RZASG125M7V1B	RZASG125M7Y1B			P									P								
RZASG140M7V1B	RZASG140M7Y1B				P									P							
RZASG125MUV	RZASG125MUY			P									P								
RZASG140MUV	RZASG140MUY				P									P							
AZAS125M7V1B	AZAS125M7Y1B																			P	P
AZAS140M7V1B	AZAS140M7Y1B																				
AZAS125MUV	AZAS125MUY			P									P							P	P
AZAS140MUV	AZAS140MUY				P									P							

P = Pair

3 = Triple

2 = Twin

4 = Double twin

NOTES

1. -ADEA*- can only be used in combination with -AZAS*M*.

3D112646C

14 Appropriate Indoors

14 - 1 Appropriate Indoors

AZAS-MV / AZAS-MY / RZASG-MV / RZASG-MY

ENER Lot 10

Appropriate indoor units

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

FCAHG71	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	-	-	-	-	-	ADEA71
---	--------	---	-------	---	---	-------	---	---	---	---	---	--------

Connectable to -RZAG100M7V1B / RZAG100M7Y1B- and covered by -ENER Lot 10-

FCAHG100	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 -RZASG100MUV / RZASG100MUY- 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	-	-	-	-	-	ADEA100
---	---------	---	--------	---	---	--------	---	---	---	---	---	---------

Connectable to -AZAS100MUV / AZAS100MUY- and covered by -ENER Lot 10-

-	FCAG100	-	FBA100	-	-	FAA100	-	FVA100	-	FHA100	-	ADEA100
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Connectable to -RZAG125M7V1B / RZAG125M7Y1B- and covered by -ENER Lot 21-

FCAHG125	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 -RZASG125MUV / RZASG125MUY- 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	ADEA125
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Connectable to -AZAS125MUV / AZAS125MUY- and covered by -ENER Lot 21-

-	FCAG125	-	FBA125	-	-	-	-	FVA125	-	FHA125	AVA125	ADEA125
---	---------	---	--------	---	---	---	---	--------	---	--------	--------	---------

Connectable to -RZAG140M7V1B / RZAG140M7Y1B- and covered by -ENER Lot 21-

FCAHG140	FCAG35	FFA35	FBA35	FNA35	FUA71	FAA71	-	FVA71	FDXM35	FHA35	-	-
-	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 -RZASG140MUV / RZASG140MUY- 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	-	-

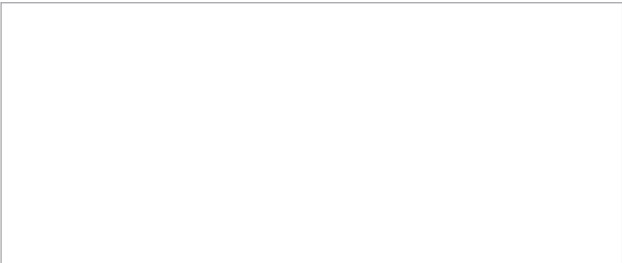
Connectable to -AZAS140M7V1B / AZAS140M7Y1B- and covered by -ENER Lot 21-

-	FCAG140	-	FBA140	-	-	-	-	-	-	-	-	-
---	---------	---	--------	---	---	---	---	---	---	---	---	---

Connectable to -AZAS140MUV / AZAS140MUY- and covered by -ENER Lot 21-

-	-	-	-	-	-	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---	---	---	---	---	---

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