Air Conditioning Technical Data

RZQG-L9V1

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RZQG-L9V1

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1 Features

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- Top efficiency: - energy labels up to A++ in both cooling and heating - compressor that offers substantial efficiency improvements - control logic that optimises efficiency at the most frequently encountered operating conditions and that optimises
- 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
- Extended operation range down to -20°C in heating and down to -15°C in cooling
- With a gas cooled PCB reliable cooling is guaranteed as it is not influenced by ambient temperature
- Maximum piping length up to 75m, minimum piping length is 5m.
- Outdoor units for pair, twin, triple, double twin application
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
- Units optimized for seasonal efficiency give an indication on how efficient an air conditioner operates over an entire heating or cooling season.

Infrastructure cooling

Inverter

Auto cooling-heating changeover

2 Specifications

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Technical Specifications					RZQG71L9V1	RZQG100L9V1	RZQG125L9V1	RZQG140L9V1
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	69.0	95.0		
	Packed unit			kg	78.0	104.0		
Heat exchanger	Fin	Type			WF fin			
		Treatment			Anti-corrosion treatment (PE)			
Fan	Type				Propeller fan			
	Discharge direction				Horizontal			
	Quantity				1	2		
	Air flow rate	Cooling	Nom.	m^3/min	59	70		84
			Rated	m^3/h	3,540	4,200		5,040
		Heating	Nom.	m^3/min	49	62		
			Rated	m^3/h	2,940	3,720		
Fan motor	Quantity				1	2		
	Model				Brushless DC motor			
	Output			W	94			
	Drive				Direct drive			
Compressor	Quantity				1			
	Type				Hermetically sealed swing compressor			
Operation range	Cooling	Ambient	Min.	°CDB	-15.0			
			Max.	°CDB	50.0			
	Heating	Ambient	Min.	°CWB	-20.0			
			Max.	°CWB	15.5			
Sound power level	Cooling			dBA	64.0	66.0	67.0	69.0
	Heating			dBA	64.0	66.0	67.0	69.0
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52
	Heating	Nom.		dBA	50	52	53	
	Night quiet mode	Level 1		dBA	43	45		
Refrigerant	Type				R-410A			
	Charge			kg	2.9	4.0		
Refrigerant	Charge			TCO2Eq	6.05	8.35		
	Control				Expansion valve (electronic type)			
	GWP				2,087.5			
	Circuits	Quantity			1			
Refrigerant oil	Type				Synthetic (ether) oil FVC50K			
	Charged volume			l	0.90	1.35		
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	5 (1)			
			Max.	m	50	75		
		System	Equivalent	m	70	90		
			Chargeless	m	30			
	Additional refrigerant charge			kg/m	See installation manual			
	Level difference	IU - OU	Max.	m	30.0			
		IU - IU		m	0.5			
	Heat insulation				Both liquid and gas pipes			
Defrost control					Sensor for outdoor heat exchanger temperature			
Capacity control	Method				Inverter controlled			
Safety devices	Item	01			High pressure switch			
		02			Low pressure switch			
		03			Fan driver overload protector			
		04			Fuse			

Standard accessories: Tie-wraps; Quantity: 2;

Standard accessories: Installation manual; Quantity: 1;

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Electrical Specifications				RZQG71L9V1	RZQG100L9V1	RZQG125L9V1	RZQG140L9V1
Power supply	Name			V1			
	Phase			1~			
	Frequency		Hz	50			
	Voltage		V	220-240			
	Voltage range		V	198			
			V	264			
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				Outdoor unit only			
Current - 50Hz	Maximum fuse amps (MFA)		A	25	40		

(1)3 with re-charging |
EN/IEC 61000-3-12: 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 |
PED: assembly = category I : excluded from scope of PED due to article 1, item 3.6 of 97/23/EC |
See separate drawing for electrical data |
EN/IEC 61000-3-11: European/international technical standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated ≤ 75A

Technical specifications				FCAHG71H + RZQG71L9V1	FCAHG100H + RZQG71L9V1	FCAHG100H + RZQG100L9V1	FCAHG140H + RZQG100L9V1	FCAHG125H + RZQG125L9V1	FCAHG140H + RZQG125L9V1
Cooling capacity	Nom.		kW	6.80		9.50		12.00	
	Nom.		Btu/h	23,200	23,203	32,400	32,415	40,900	40,946
	Nom.		kcal/h	5,847		8,169		10,318	
Heating capacity	Nom.		kW	7.50	-	10.80	-	13.50	-
	Nom.		Btu/h	25,600	-	36,900	-	46,100	-
	Nom.		kcal/h	6,449	-	9,286	-	11,608	-
Power input	Cooling	Nom.	kW	1.66		2.15		3.05	
	Heating	Nom.	kW	1.56	-	2.16	-	3.07	-
Nominal efficiency	EER			4.09		4.42		3.94	
	COP			4.80	-	4.99	-	4.40	-
	Annual energy consumption		kWh	831	-	1,075	-	1,523	-
	Energy labeling Directive	Cooling		A	-	A	-	A	-
		Heating		A	-	A	-	A	-
Space cooling	Energy efficiency class			A++					
	Capacity	Pdesign	kW	6.80		9.50		12.00	
	SEER			6.91		7.00		6.61	
	Annual energy consumption		kWh/a	345		475		636	
Space heating (Average climate)	Energy efficiency class			A+		A++			
	Capacity	Pdesign	kW	7.60		11.30		12.66	
	SCOP/A			4.54		4.80		4.63	
	SCOPnet/A			4.57		4.83		4.65	
	Pdh Heating capacity at -10°		kW	6.71		9.69		11.55	
	Annual energy consumption		kWh/a	2,344		3,296		3,829	
	Required back up heating cap at design conditions		kW	0.89		1.61		1.12	
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	6.80		9.50		12.00	
		EERd		4.09		4.42		3.94	
		Power input	kW	1.66		2.15		3.05	
	B Condition (30°C - 27/19)	Pdc	kW	5.01		7.00		8.84	
		EERd		6.12		5.92		4.82	
		Power input	kW	0.82		1.18		1.83	
	C Condition (25°C - 27/19)	Pdc	kW	4.12		5.79		6.00	
		EERd		8.56		8.66		8.27	
		Power input	kW	0.48		0.67		0.73	
	D Condition (20°C - 27/19)	Pdc	kW	4.33		6.05		5.73	
		EERd		11.63		11.24		10.76	
		Power input	kW	0.37		0.54		0.53	

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Technical specifications					FCAHG71H + RZQG71L9V1	FCAHG100H + RZQG71L9V1	FCAHG100H + RZQG100L9V1	FCAHG140H + RZQG100L9V1	FCAHG125H + RZQG125L9V1	FCAHG140H + RZQG125L9V1
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15					
		Pdh (declared heating cap)		kW	6.69		9.18		12.12	
		COPd (declared COP)			2.32		2.75		2.13	
		Power input		kW	2.88		3.34		5.69	
	TBivalent	Tbiv (bivalent temperature)		°C	-7					
		Pdh (declared heating cap)		kW	6.72		10.00		11.20	
		COPd (declared COP)			3.11		3.72		2.95	
		Power input		kW	2.16		2.69		3.80	
	A Condition (-7°C)	Pdh (declared heating cap)		kW	6.72		10.00		11.20	
		COPd (declared COP)			3.11		3.72		2.95	
		Power input		kW	2.16		2.69		3.80	
	B Condition (2°C)	Pdh (declared heating cap)		kW	4.70		6.43		6.82	
		COPd (declared COP)			4.20		4.24			
		Power input		kW	1.12		1.52		1.61	
	C Condition (7°C)	Pdh (declared heating cap)		kW	2.93		4.16		4.38	
		COPd (declared COP)			6.93		6.76		7.02	
		Power input		kW	0.42		0.62			
	D Condition (12°C)	Pdh (declared heating cap)		kW	3.33		4.76		5.40	
		COPd (declared COP)			8.11		7.94		7.89	
		Power input		kW	0.41		0.60		0.68	
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	0.009					
		Heating	POFF	kW	0.009					
	Standby mode	Cooling	PSB	kW	0.009					
		Heating	PSB	kW	0.009					
	Thermostat-off mode	Cooling	PTO	kW	0.007		0.009			
		Heating	PTO	kW	0.007		0.009			
Cooling	Cdc (Degradation cooling)				0.25					
Heating	Cdh (Degradation heating)				0.25					
Cooling function included					Yes					
Heating function included					Yes					
Average climate included					Yes					
Cold season included					No					
Warm season included					No					
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	64	-				
	Sound power level indoor	Cooling	Nom.	dBA	53	-				

Technical specifications				FCAHG140H + RZQG140L9V1
Cooling capacity	Nom.		kW	13.40
	Nom.		Btu/h	45,700
	Nom.		kcal/h	11,522
Heating capacity	Nom.		kW	15.50
	Nom.		Btu/h	52,900
	Nom.		kcal/h	13,328
Power input	Cooling	Nom.	kW	4.21
	Heating	Nom.	kW	3.76
Nominal efficiency	EER			3.18
	COP			4.12
Space cooling	Capacity	Pdesign	kW	13.40
	SEER			6.75
	ηs,c		%	266.88
	Annual energy consumption		kWh/a	1,191
Space heating (Average climate)	Capacity	Pdesign	kW	11.78
	SCOP/A			4.38
	SCOPnet/A			4.38
	ηs,h		%	172.10
	Pdh Heating capacity at -10°		kW	0.00
	Annual energy consumption		kWh/a	3,766
	Required back up heating cap at design conditions		kW	11.78

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Technical specifications					FCAHG140H + RZQG140L9V1
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	13.40
		EERd			3.18
		Power input		kW	4.21
	B Condition (30°C - 27/19)	Pdc		kW	9.88
		EERd			5.07
		Power input		kW	1.95
	C Condition (25°C - 27/19)	Pdc		kW	6.35
		EERd			8.36
		Power input		kW	0.76
	D Condition (20°C - 27/19)	Pdc		kW	6.02
		EERd			11.13
		Power input		kW	0.54
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-10
		Pdh (declared heating cap)		kW	11.78
		COPd (declared COP)			2.16
Space heating (Average climate)	TOL	Power input		kW	5.45
	TBivalent	Tbiv (bivalent temperature)		°C	-10
		Pdh (declared heating cap)		kW	11.78
		COPd (declared COP)			2.16
		Power input		kW	5.45
	A Condition (-7°C)	Pdh (declared heating cap)		kW	10.42
		COPd (declared COP)			2.62
		Power input		kW	3.96
	B Condition (2°C)	Pdh (declared heating cap)		kW	6.34
		COPd (declared COP)			4.45
		Power input		kW	1.42
	C Condition (7°C)	Pdh (declared heating cap)		kW	4.21
		COPd (declared COP)			5.63
		Power input		kW	0.75
	D Condition (12°C)	Pdh (declared heating cap)		kW	4.88
		COPd (declared COP)			7.07
		Power input		kW	0.69
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0.000
		Heating	PCK	kW	0.012
	Off mode	Cooling	POFF	kW	0.012
		Heating	POFF	kW	0.012
	Standby mode	Cooling	PSB	kW	0.012
		Heating	PSB	kW	0.012
	Thermostat-off mode	Cooling	PTO	kW	0.000
		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	0.00
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

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
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				FCAG71B + RZQG71L9V1	FCAG100B + RZQG71L9V1	FCAG100B + RZQG100L9V1	FCAG140B + RZQG100L9V1	FCAG125B + RZQG125L9V1	FCAG140B + RZQG125L9V1
Cooling capacity	Nom.		kW	6.80		9.50		12.00	
	Nom.		Btu/h	23,200	23,203	32,400	32,415	40,900	40,946
	Nom.		kcal/h	5,847		8,169		10,318	
Heating capacity	Nom.		kW	7.50	-	10.80	-	13.50	-
	Nom.		Btu/h	25,600	-	36,900	-	46,100	-
	Nom.		kcal/h	6,449	-	9,286	-	11,608	-
Power input	Cooling	Nom.	kW	2.01		2.45		3.23	
	Heating	Nom.	kW	1.89	-	2.60	-	3.72	-

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Technical specifications				FCAG71B + RZQG71L9V1	FCAG100B + RZQG71L9V1	FCAG100B + RZQG100L9V1	FCAG140B + RZQG100L9V1	FCAG125B + RZQG125L9V1	FCAG140B + RZQG125L9V1
Nominal efficiency	EER			3.39		3.87		3.71	
	COP			3.97	-	4.15	-	3.63	-
	Annual energy consumption		kWh	1,003	-	1,227	-	1,617	-
	Energy labeling Directive	Cooling		A	-	A	-	A	-
		Heating		A	-	A	-	A	-
Space cooling	Energy efficiency class			A++				A+	
	Capacity	Pdesign	kW	6.80		9.50		12.00	
	SEER			6.72		6.80		6.00	
	Annual energy consumption		kWh/a	355	350	489		700	
Space heating (Average climate)	Energy efficiency class			A+		A++		A+	
	Capacity	Pdesign	kW	6.33		11.30		12.66	
	SCOP/A			4.20		4.61		4.10	
	SCOPnet/A			4.21		4.64		4.13	
	Pdh Heating capacity at -10°		kW	5.96		9.65		11.14	
	Annual energy consumption		kWh/a	2,110		3,432		4,323	
	Required back up heating cap at design conditions		kW	0.37		1.65		1.52	
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	6.80		9.50		12.00	
		EERd		3.39		3.87		3.71	
		Power input	kW	2.01		2.45		3.23	
	B Condition (30°C - 27/19)	Pdc	kW	5.05		7.00		8.84	
		EERd		4.49		5.33		4.82	
		Power input	kW	1.12		1.31		1.83	
	C Condition (25°C - 27/19)	Pdc	kW	3.85		5.59		6.00	
		EERd		9.83		8.82		7.08	
		Power input	kW	0.39		0.63		0.85	
	D Condition (20°C - 27/19)	Pdc	kW	3.96		5.78		5.73	
		EERd		13.03		11.44		9.22	
		Power input	kW	0.30		0.51		0.62	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15					
		Pdh (declared heating cap)	kW	6.55		9.06		11.05	
		COPd (declared COP)		2.04		2.59		1.81	
		Power input	kW	3.21		3.50		6.10	
	TBivalent	Tbiv (bivalent temperature)	°C	-7					
		Pdh (declared heating cap)	kW	5.60		10.00		11.20	
		COPd (declared COP)		2.86		3.59		2.43	
		Power input	kW	1.96		2.79		4.61	
	A Condition (-7°C)	Pdh (declared heating cap)	kW	5.60		10.00		11.20	
		COPd (declared COP)		2.86		3.59		2.43	
		Power input	kW	1.96		2.79		4.61	
	B Condition (2°C)	Pdh (declared heating cap)	kW	4.58		6.40		7.03	
		COPd (declared COP)		3.92		3.95		3.72	
		Power input	kW	1.17		1.62		1.89	
	C Condition (7°C)	Pdh (declared heating cap)	kW	2.88		4.16		4.69	
		COPd (declared COP)		6.89		6.82		6.67	
		Power input	kW	0.42		0.61		0.70	
	D Condition (12°C)	Pdh (declared heating cap)	kW	3.28		4.75		5.33	
		COPd (declared COP)		7.94		7.90		7.64	
		Power input	kW	0.41		0.60		0.70	
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	0.009	0.007	0.009			
		Heating POFF	kW	0.009	0.007	0.009			
	Standby mode	Cooling PSB	kW	0.009	0.007	0.009			
		Heating PSB	kW	0.009	0.007	0.009			
	Thermostat-off mode	Cooling PTO	kW	0.007		0.009			
		Heating PTO	kW	0.007		0.009			
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					

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Technical specifications					FCAG71B + RZQG71L9V1	FCAG100B + RZQG71L9V1	FCAG100B + RZQG100L9V1	FCAG140B + RZQG100L9V1	FCAG125B + RZQG125L9V1	FCAG140B + RZQG125L9V1
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	64			-		
	Sound power level indoor	Cooling	Nom.	dBA	51			-		

Technical specifications				FCAG140B + RZQG140L9V1
Cooling capacity	Nom.		kW	13.40
	Nom.		Btu/h	45,700
	Nom.		kcal/h	11,522
Heating capacity	Nom.		kW	15.50
	Nom.		Btu/h	52,900
	Nom.		kcal/h	13,328
Power input	Cooling	Nom.	kW	5.36
	Heating	Nom.	kW	4.29
Nominal efficiency	EER			2.50
	COP			3.61
Space cooling	Capacity	Pdesign	kW	13.40
	SEER			6.44
	ηs,c		%	254.57
	Annual energy consumption		kWh/a	1,249
Space heating (Average climate)	Capacity	Pdesign	kW	11.56
	SCOP/A			4.27
	SCOPnet/A			4.27
	ηs,h		%	167.63
	Pdh Heating capacity at -10°		kW	0.00
	Annual energy consumption		kWh/a	3,795
	Required back up heating cap at design conditions		kW	11.56
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	13.40
		EERd		2.50
		Power input	kW	5.36
	B Condition (30°C - 27/19)	Pdc	kW	9.87
		EERd		4.91
		Power input	kW	2.01
	C Condition (25°C - 27/19)	Pdc	kW	6.35
		EERd		8.20
		Power input	kW	0.77
	D Condition (20°C - 27/19)	Pdc	kW	5.71
		EERd		11.21
		Power input	kW	0.51
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10
		Pdh (declared heating cap)	kW	11.56
		COPd (declared COP)		1.95
Space heating (Average climate)	TOL	Power input	kW	5.93
	TBivalent	Tbiv (bivalent temperature)	°C	-10
		Pdh (declared heating cap)	kW	11.56
		COPd (declared COP)		1.95
		Power input	kW	5.93
	A Condition (-7°C)	Pdh (declared heating cap)	kW	10.23
		COPd (declared COP)		2.38
		Power input	kW	4.30
	B Condition (2°C)	Pdh (declared heating cap)	kW	6.22
		COPd (declared COP)		4.33
		Power input	kW	1.44
	C Condition (7°C)	Pdh (declared heating cap)	kW	4.08
		COPd (declared COP)		5.79
		Power input	kW	0.70
	D Condition (12°C)	Pdh (declared heating cap)	kW	4.73
		COPd (declared COP)		7.18
		Power input	kW	0.66

2 Specifications

1 - 1 RZQG-L9V1

Technical specifications					FCAG140B + RZQG140L9V1
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0.000
		Heating	PCK	kW	0.012
	Off mode	Cooling	POFF	kW	0.012
		Heating	POFF	kW	0.012
	Standby mode	Cooling	PSB	kW	0.012
		Heating	PSB	kW	0.012
	Thermostat-off mode	Cooling	PTO	kW	0.000
		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	0.00
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

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
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 + RZQG125L9V1
Cooling capacity	Nom.		kW	12.00
	Nom.		Btu/h	40,900
	Nom.		kcal/h	10,318
Heating capacity	Nom.		kW	13.50
	Nom.		Btu/h	46,100
	Nom.		kcal/h	11,608
Power input	Cooling	Nom.	kW	3.20
	Heating	Nom.	kW	3.52
Nominal efficiency	EER			3.75
	COP			3.83
	Annual energy consumption		kWh	1,600
	Energy labeling Directive	Cooling		A
		Heating		A
Space cooling	Energy efficiency class			A+
	Capacity	Pdesign	kW	12.00
	SEER			5.81
	Annual energy consumption		kWh/a	723
Space heating (Average climate)	Energy efficiency class			A+
	Capacity	Pdesign	kW	12.71
	SCOP/A			4.21
	SCOPnet/A			4.23
	Pdh Heating capacity at -10°		kW	11.40
	Annual energy consumption		kWh/a	4,227
	Required back up heating cap at design conditions		kW	1.31
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	12.00
		EERd		3.75
		Power input	kW	3.20
	B Condition (30°C - 27/19)	Pdc	kW	8.84
		EERd		4.59
		Power input	kW	1.93
	C Condition (25°C - 27/19)	Pdc	kW	6.01
		EERd		6.94
		Power input	kW	0.87
	D Condition (20°C - 27/19)	Pdc	kW	5.74
		EERd		8.69
		Power input	kW	0.66

2 Specifications

1 - 1 RZQG-L9V1

Technical specifications					FDA125A + RZQG125L9V1
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	11.67
		COPd (declared COP)			1.98
		Power input		kW	5.89
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	11.24
		COPd (declared COP)			2.72
		Power input		kW	4.13
	A Condition (-7°C)	Pdh (declared heating cap)		kW	11.24
		COPd (declared COP)			2.72
		Power input		kW	4.13
	B Condition (2°C)	Pdh (declared heating cap)		kW	7.18
		COPd (declared COP)			3.86
		Power input		kW	1.86
	C Condition (7°C)	Pdh (declared heating cap)		kW	4.73
		COPd (declared COP)			6.26
		Power input		kW	0.76
	D Condition (12°C)	Pdh (declared heating cap)		kW	5.39
		COPd (declared COP)			7.28
		Power input		kW	0.74
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	0.009
		Heating	POFF	kW	0.009
	Standby mode	Cooling	PSB	kW	0.009
		Heating	PSB	kW	0.009
	Thermostat-off mode	Cooling	PTO	kW	0.009
		Heating	PTO	kW	0.009
Cooling	Cdc (Degradation cooling)				0.25
Heating	Cdh (Degradation heating)				0.25
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					No
Warm season included					No
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	67
	Sound power level indoor	Cooling	Nom.	dBA	66

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
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 + RZQG71L9V1	FBA100A + RZQG71L9V1	FBA100A + RZQG100L9V1	FBA140A + RZQG100L9V1	FBA125A + RZQG125L9V1	FBA140A + RZQG125L9V1
Cooling capacity	Nom.		kW	6.80		9.50		12.00	
	Nom.		Btu/h	23,200	23,203	32,400	32,415	40,900	40,946
	Nom.		kcal/h	5,847		8,169		10,318	
Heating capacity	Nom.		kW	7.50	-	10.80	-	13.50	-
	Nom.		Btu/h	25,600	-	36,900	-	46,100	-
	Nom.		kcal/h	6,449	-	9,286	-	11,608	-
Power input	Cooling	Nom.	kW	1.89		2.49		3.63	
	Heating	Nom.	kW	1.87	-	2.45	-	3.46	-
Nominal efficiency	EER			3.60		3.81		3.31	
	COP			4.01	-	4.41	-	3.90	-
	Annual energy consumption		kWh	944	-	1,247	-	1,813	-
	Energy labeling Directive	Cooling		A	-	A	-	A	-
		Heating		A	-	A	-	A	-
Space cooling	Energy efficiency class			A++		A+		A++	
	Capacity	Pdesign	kW	6.80		9.50		12.00	
	SEER			6.16		5.87		6.11	
	Annual energy consumption		kWh/a	386		566	567	687	688

2 Specifications

1 - 1 RZQG-L9V1

Technical specifications				FBA71A9 + RZQG71L9V1	FBA100A + RZQG71L9V1	FBA100A + RZQG100L9V1	FBA140A + RZQG100L9V1	FBA125A + RZQG125L9V1	FBA140A + RZQG125L9V1
Space heating (Average climate)	Energy efficiency class			A+		A++		A+	
	Capacity	Pdesign	kW	6.00		11.30		12.70	
	SCOP/A			4.31		4.78		4.28	
	SCOPnet/A			4.35		4.85		4.33	
	Pdh Heating capacity at -10°		kW	4.91		8.11		9.49	
	Annual energy consumption		kWh/a	1,949		3,310		4,154	4,155
	Required back up heating cap at design conditions		kW	1.09		3.19		3.21	
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	6.80		9.50		12.00	
		EERd		3.60		3.81		3.31	
		Power input	kW	1.89		2.49		3.63	
	B Condition (30°C - 27/19)	Pdc	kW	5.01		7.00		8.84	
		EERd		5.45	5.42	4.39		5.09	
		Power input	kW	0.92		1.59		1.74	
	C Condition (25°C - 27/19)	Pdc	kW	3.95		5.46		5.68	
		EERd		8.17		8.15		7.92	
		Power input	kW	0.48		0.67		0.72	
	D Condition (20°C - 27/19)	Pdc	kW	4.08		5.80		5.61	
		EERd		10.21	10.19	10.50		9.87	
		Power input	kW	0.40		0.55		0.57	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15					
		Pdh (declared heating cap)	kW	4.24		4.97		6.58	
		COPd (declared COP)		2.05		2.69		2.01	
		Power input	kW	2.07		1.85		3.27	
	TBivalent	Tbiv (bivalent temperature)	°C	-7					
		Pdh (declared heating cap)	kW	5.31		10.00		11.23	
		COPd (declared COP)		3.02		3.55		2.72	
		Power input	kW	1.76		2.82		4.13	
	A Condition (-7°C)	Pdh (declared heating cap)	kW	5.31		10.00		11.23	
		COPd (declared COP)		3.02		3.55		2.72	
		Power input	kW	1.76		2.82		4.13	
	B Condition (2°C)	Pdh (declared heating cap)	kW	3.23		6.08		6.84	
		COPd (declared COP)		4.46		4.76		4.35	
		Power input	kW	0.72		1.28		1.57	
	C Condition (7°C)	Pdh (declared heating cap)	kW	2.87		3.91		4.47	
		COPd (declared COP)		5.37		5.72		5.39	
		Power input	kW	0.53		0.68		0.83	
	D Condition (12°C)	Pdh (declared heating cap)	kW	3.32		4.00		4.64	
		COPd (declared COP)		6.41		7.20		6.77	
		Power input	kW	0.52		0.56		0.69	
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	0.014	0.022			
		Heating POFF	kW	0.015	0.014	0.022			
	Standby mode	Cooling PSB	kW	0.015	0.014	0.022			
		Heating PSB	kW	0.015	0.014	0.022			
	Thermostat-off mode	Cooling PTO	kW	0.003		0.004			
		Heating PTO	kW	0.003		0.004			
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					

Technical specifications			FBA140A + RZQG140L9V1
Cooling capacity	Nom.	kW	13.40
	Nom.	Btu/h	45,700
	Nom.	kcal/h	11,522
Heating capacity	Nom.	kW	15.50
	Nom.	Btu/h	52,900
	Nom.	kcal/h	13,328
Power input	Cooling Nom.	kW	5.00
	Heating Nom.	kW	4.31
Nominal efficiency	EER		2.68
	COP		3.60

2 Specifications

1 - 1 RZQG-L9V1

Technical specifications					FBA140A + RZQG140L9V1
Space cooling	Capacity	Pdesign		kW	13.40
	SEER				6.14
	ηs,c			%	242.68
	Annual energy consumption			kWh/a	1,309
Space heating (Average climate)	Capacity	Pdesign		kW	11.57
	SCOP/A				4.01
	SCOPnet/A				4.01
	ηs,h			%	157.30
	Pdh Heating capacity at -10°			kW	0.00
	Annual energy consumption			kWh/a	4,043
	Required back up heating cap at design conditions			kW	11.57
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	13.40
		EERd			2.68
		Power input		kW	5.00
	B Condition (30°C - 27/19)	Pdc		kW	9.88
		EERd			4.73
		Power input		kW	2.09
	C Condition (25°C - 27/19)	Pdc		kW	6.35
		EERd			7.71
		Power input		kW	0.82
	D Condition (20°C - 27/19)	Pdc		kW	5.95
		EERd			10.07
		Power input		kW	0.59
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-10
		Pdh (declared heating cap)		kW	11.57
		COPd (declared COP)			2.27
Space heating (Average climate)	TOL	Power input		kW	5.10
	TBivalent	Tbiv (bivalent temperature)		°C	-10
		Pdh (declared heating cap)		kW	11.57
		COPd (declared COP)			2.27
		Power input		kW	5.10
	A Condition (-7°C)	Pdh (declared heating cap)		kW	10.24
		COPd (declared COP)			2.68
		Power input		kW	3.82
	B Condition (2°C)	Pdh (declared heating cap)		kW	6.23
		COPd (declared COP)			3.97
		Power input		kW	1.57
	C Condition (7°C)	Pdh (declared heating cap)		kW	4.11
		COPd (declared COP)			5.10
		Power input		kW	0.81
	D Condition (12°C)	Pdh (declared heating cap)		kW	4.79
		COPd (declared COP)			6.03
		Power input		kW	0.79
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0.000
		Heating	PCK	kW	0.014
	Off mode	Cooling	POFF	kW	0.014
		Heating	POFF	kW	0.014
	Standby mode	Cooling	PSB	kW	0.014
		Heating	PSB	kW	0.014
	Thermostat-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	0.00
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

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

2 Specifications

1 - 1 RZQG-L9V1

Technical specifications				FHA71A9 + RZQG71L9V1	FHA100A + RZQG71L9V1	FHA100A + RZQG100L9V1	FHA140A + RZQG100L9V1	FHA125A + RZQG125L9V1	FHA140A + RZQG125L9V1
Cooling capacity	Nom.		kW	6.80		9.50		12.00	
	Nom.		Btu/h	23,200	23,203	32,400	32,415	40,900	40,946
	Nom.		kcal/h	5,847		8,169		10,318	
Heating capacity	Nom.		kW	7.50	-	10.80	-	13.50	-
	Nom.		Btu/h	25,600	-	36,900	-	46,100	-
	Nom.		kcal/h	6,449	-	9,286	-	11,608	-
Power input	Cooling	Nom.	kW	1.78		2.30		3.41	
	Heating	Nom.	kW	1.82	-	2.60	-	3.47	-
Nominal efficiency	EER			3.82		4.13		3.52	
	COP			4.13	-	4.15	-	3.89	-
	Annual energy consumption		kWh	890	-	1,150	-	1,705	-
	Energy labeling Directive	Cooling		A	-	A	-	A	-
		Heating		A	-	A	-	A	-
Space cooling	Energy efficiency class			A++				A+	
	Capacity	Pdesign	kW	6.80		9.50		12.00	
	SEER			6.86		6.11		6.01	
	Annual energy consumption		kWh/a	347		545		699	
Space heating (Average climate)	Energy efficiency class			A+		A++		A+	
	Capacity	Pdesign	kW	7.60		11.30		14.13	
	SCOP/A			4.32		4.61		4.23	
	SCOPnet/A			4.34		4.64		4.25	
	Pdh Heating capacity at -10°		kW	6.74		9.71		12.51	
	Annual energy consumption		kWh/a	2,463		3,432		4,677	
	Required back up heating cap at design conditions		kW	0.87		1.59		1.62	
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	6.80		9.50		12.00	
		EERd		3.82		4.13		3.52	
		Power input	kW	1.78		2.30		3.41	
	B Condition (30°C - 27/19)	Pdc	kW	5.16		7.16		8.84	
		EERd		5.03		4.49		4.51	
		Power input	kW	1.03		1.59		1.96	
	C Condition (25°C - 27/19)	Pdc	kW	4.01		5.66		5.92	
		EERd		9.44		7.87		7.41	
		Power input	kW	0.42		0.72		0.80	
	D Condition (20°C - 27/19)	Pdc	kW	4.17		5.87		5.64	
		EERd		12.57		10.13		9.60	
		Power input	kW	0.33		0.58		0.59	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15					
		Pdh (declared heating cap)	kW	6.76		9.23		12.52	
		COPd (declared COP)		2.14		2.63		2.06	
		Power input	kW	3.16		3.51		6.08	
	TBivalent	Tbiv (bivalent temperature)	°C	-7					
		Pdh (declared heating cap)	kW	6.72		10.00		12.50	
		COPd (declared COP)		2.97		3.62		2.52	
		Power input	kW	2.26		2.76		4.96	
	A Condition (-7°C)	Pdh (declared heating cap)	kW	6.72		10.00		12.50	
		COPd (declared COP)		2.97		3.62		2.52	
		Power input	kW	2.26		2.76		4.96	
	B Condition (2°C)	Pdh (declared heating cap)	kW	4.76		6.52		7.61	
		COPd (declared COP)		4.00		4.03		3.90	
		Power input	kW	1.19		1.62		1.95	
	C Condition (7°C)	Pdh (declared heating cap)	kW	2.96		4.20		4.89	
		COPd (declared COP)		6.61		6.56			
		Power input	kW	0.45		0.64		0.75	
	D Condition (12°C)	Pdh (declared heating cap)	kW	3.37		4.80		5.36	
		COPd (declared COP)		7.63		7.60		7.71	
		Power input	kW	0.44		0.63		0.70	
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	0.009					
		Heating POFF	kW	0.009					
	Standby mode	Cooling PSB	kW	0.009					
		Heating PSB	kW	0.009					
	Thermostat-off mode	Cooling PTO	kW	0.007		0.009			
		Heating PTO	kW	0.007		0.009			
Cooling	Cdc (Degradation cooling)			0.25					
Heating	Cdh (Degradation heating)			0.25					

2 Specifications

1 - 1 RZQG-L9V1

Technical specifications					FHA71A9 + RZQG71L9V1	FHA100A + RZQG71L9V1	FHA100A + RZQG100L9V1	FHA140A + RZQG100L9V1	FHA125A + RZQG125L9V1	FHA140A + RZQG125L9V1
Cooling function included					Yes					
Heating function included					Yes					
Average climate included					Yes					
Cold season included					No					
Warm season included					No					
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	64		66		67	
	Sound power level indoor	Cooling	Nom.	dBA	55	60		64	62	64

Technical specifications				FHA140A + RZQG140L9V1
Cooling capacity	Nom.		kW	13.40
	Nom.		Btu/h	45,700
	Nom.		kcal/h	11,522
Heating capacity	Nom.		kW	15.50
	Nom.		Btu/h	52,900
	Nom.		kcal/h	13,328
Power input	Cooling	Nom.	kW	4.59
	Heating	Nom.	kW	4.27
Nominal efficiency	EER			2.92
	COP			3.63
Space cooling	Capacity	Pdesign	kW	13.40
	SEER			6.22
	ηs,c		%	245.96
	Annual energy consumption		kWh/a	1,292
Space heating (Average climate)	Capacity	Pdesign	kW	11.61
	SCOP/A			4.22
	SCOPnet/A			4.22
	ηs,h		%	165.87
	Pdh Heating capacity at -10°		kW	0.00
	Annual energy consumption		kWh/a	3,851
	Required back up heating cap at design conditions		kW	11.61
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	13.40
		EERd		2.92
		Power input	kW	4.59
	B Condition (30°C - 27/19)	Pdc	kW	9.88
		EERd		4.96
		Power input	kW	1.99
	C Condition (25°C - 27/19)	Pdc	kW	6.35
		EERd		7.23
		Power input	kW	0.88
	D Condition (20°C - 27/19)	Pdc	kW	5.99
		EERd		10.61
		Power input	kW	0.56
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10
		Pdh (declared heating cap)	kW	11.61
		COPd (declared COP)		2.33
Space heating (Average climate)	TOL	Power input	kW	4.98
	TBivalent	Tbiv (bivalent temperature)	°C	-10
		Pdh (declared heating cap)	kW	11.61
		COPd (declared COP)		2.33
		Power input	kW	4.98
	A Condition (-7°C)	Pdh (declared heating cap)	kW	10.27
		COPd (declared COP)		2.77
		Power input	kW	3.71
	B Condition (2°C)	Pdh (declared heating cap)	kW	6.25
		COPd (declared COP)		4.21
		Power input	kW	1.48
	C Condition (7°C)	Pdh (declared heating cap)	kW	4.15
		COPd (declared COP)		5.33
		Power input	kW	0.78
	D Condition (12°C)	Pdh (declared heating cap)	kW	4.82
		COPd (declared COP)		6.49
		Power input	kW	0.74

2 Specifications

1 - 1 RZQG-L9V1

Technical specifications					FHA140A + RZQG140L9V1
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0.000
		Heating	PCK	kW	0.012
	Off mode	Cooling	POFF	kW	0.012
		Heating	POFF	kW	0.012
	Standby mode	Cooling	PSB	kW	0.012
		Heating	PSB	kW	0.012
	Thermostat-off mode	Cooling	PTO	kW	0.000
		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	0.00
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

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
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 + RZQG71L9V1	FAA100B + RZQG71L9V1	FAA100B + RZQG100L9V1
Cooling capacity	Nom.		kW	6.80		9.50
	Nom.		Btu/h	23,200	23,203	32,400
	Nom.		kcal/h	5,847		8,169
Heating capacity	Nom.		kW	7.50	-	10.80
	Nom.		Btu/h	25,600	-	36,900
	Nom.		kcal/h	6,449	-	9,286
Power input	Cooling	Nom.	kW	2.00		2.62
	Heating	Nom.	kW	2.03	-	2.99
Nominal efficiency	EER			3.40		3.62
	COP			3.70	-	3.61
	Annual energy consumption		kWh	1,000	-	1,312
	Energy labeling Directive	Cooling		A	-	A
		Heating		A	-	A
Space cooling	Energy efficiency class			A++		
	Capacity	Pdesign	kW	6.80		9.50
	SEER			6.43		6.11
	Annual energy consumption		kWh/a	371		545
Space heating (Average climate)	Energy efficiency class			A+		
	Capacity	Pdesign	kW	6.33		10.20
	SCOP/A			4.02		4.01
	SCOPnet/A			4.03		
	Pdh Heating capacity at -10°		kW	5.93		8.80
	Annual energy consumption		kWh/a	2,205		3,562
	Required back up heating cap at design conditions		kW	0.40		1.40
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	6.80		9.50
		EERd		3.40		3.62
		Power input	kW	2.00		2.62
	B Condition (30°C - 27/19)	Pdc	kW	5.08		7.00
		EERd		4.33		4.20
		Power input	kW	1.17		1.67
	C Condition (25°C - 27/19)	Pdc	kW	3.86		5.40
		EERd		9.26		8.31
		Power input	kW	0.42		0.65
	D Condition (20°C - 27/19)	Pdc	kW	3.97		5.53
		EERd		12.19		10.56
		Power input	kW	0.33		0.52

2 Specifications

1 - 1 RZQG-L9V1

Technical specifications					FAA71B + RZQG71L9V1	FAA100B + RZQG71L9V1	FAA100B + RZQG100L9V1
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15		
		Pdh (declared heating cap)		kW	6.48		8.43
		COPd (declared COP)			1.98		2.24
		Power input		kW	3.27		3.76
	TBivalent	Tbiv (bivalent temperature)		°C	-7		
		Pdh (declared heating cap)		kW	5.60		9.02
		COPd (declared COP)			2.77		3.19
		Power input		kW	2.02		2.83
	A Condition (-7°C)	Pdh (declared heating cap)		kW	5.60		9.02
		COPd (declared COP)			2.77		3.19
		Power input		kW	2.02		2.83
	B Condition (2°C)	Pdh (declared heating cap)		kW	4.52		5.96
		COPd (declared COP)			3.77		3.41
		Power input		kW	1.20		1.75
	C Condition (7°C)	Pdh (declared heating cap)		kW	2.88		4.02
		COPd (declared COP)			6.45		6.07
		Power input		kW	0.45		0.66
	D Condition (12°C)	Pdh (declared heating cap)		kW	3.27		4.58
		COPd (declared COP)			7.41		6.94
		Power input		kW	0.44		0.66
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	0.009		
		Heating	POFF	kW	0.009		
	Standby mode	Cooling	PSB	kW	0.009		
		Heating	PSB	kW	0.009		
	Thermostat-off mode	Cooling	PTO	kW	0.007		0.009
		Heating	PTO	kW	0.007		0.009
Cooling	Cdc (Degradation cooling)				0.25		
Heating	Cdh (Degradation heating)				0.25		
Cooling function included					Yes		
Heating function included					Yes		
Average climate included					Yes		
Cold season included					No		
Warm season included					No		
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	64		66
	Sound power level indoor	Cooling	Nom.	dBA	61	65	

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
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 + RZQG71L9V1	FUA100A + RZQG71L9V1	FUA100A + RZQG100L9V1	FUA125A + RZQG125L9V1
Cooling capacity	Nom.		kW	6.80		9.50	12.00
	Nom.		Btu/h	23,200	23,203	32,400	40,900
	Nom.		kcal/h	5,847		8,169	10,318
Heating capacity	Nom.		kW	7.50	-	10.80	13.50
	Nom.		Btu/h	25,600	-	36,900	46,100
	Nom.		kcal/h	6,449	-	9,286	11,608
Power input	Cooling	Nom.	kW	1.67		2.33	3.53
	Heating	Nom.	kW	1.84	-	2.73	3.95
Nominal efficiency	EER			4.07		4.08	3.40
	COP			4.08	-	3.95	3.42
	Annual energy consumption		kWh	835	-	1,164	1,765
	Energy labeling Directive	Cooling		A	-	A	
		Heating		A	-	A	B
Space cooling	Energy efficiency class			A++			A+
	Capacity	Pdesign	kW	6.80		9.50	12.00
	SEER			6.42		6.11	5.61
	Annual energy consumption		kWh/a	371		545	749

2 Specifications

1 - 1 RZQG-L9V1

Technical specifications					FUA71A + RZQG71L9V1	FUA100A + RZQG71L9V1	FUA100A + RZQG100L9V1	FUA125A + RZQG125L9V1
Space heating (Average climate)	Energy efficiency class				A+			
	Capacity	Pdesign		kW	7.60		11.30	14.13
	SCOP/A				4.20		4.50	4.44
	SCOPnet/A				4.22		4.53	4.47
	Pdh Heating capacity at -10°			kW	6.66		9.63	12.19
	Annual energy consumption			kWh/a	2,534		3,516	4,456
	Required back up heating cap at design conditions			kW	0.94		1.67	1.94
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	6.80		9.50	12.00
		EERd			4.07		4.08	3.40
		Power input		kW	1.67		2.33	3.53
	B Condition (30°C - 27/19)	Pdc		kW	5.16		7.08	8.84
		EERd			4.63		4.51	4.35
		Power input		kW	1.11		1.57	2.03
	C Condition (25°C - 27/19)	Pdc		kW	4.01		5.64	5.86
		EERd			8.61		7.88	6.76
		Power input		kW	0.47		0.72	0.87
	D Condition (20°C - 27/19)	Pdc		kW	4.17		5.85	5.57
		EERd			11.42		10.08	8.68
		Power input		kW	0.37		0.58	0.64
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15			
		Pdh (declared heating cap)		kW	6.55		9.01	11.67
		COPd (declared COP)			2.22		2.71	1.99
		Power input		kW	2.95		3.32	5.86
	TBivalent	Tbiv (bivalent temperature)		°C	-7			
		Pdh (declared heating cap)		kW	6.72		10.00	12.50
		COPd (declared COP)			2.99		3.63	2.89
		Power input		kW	2.25		2.75	4.33
	A Condition (-7°C)	Pdh (declared heating cap)		kW	6.72		10.00	12.50
		COPd (declared COP)			2.99		3.63	2.89
		Power input		kW	2.25		2.75	4.33
	B Condition (2°C)	Pdh (declared heating cap)		kW	4.09		6.26	7.61
		COPd (declared COP)			3.76		3.92	4.00
		Power input		kW	1.09		1.60	1.90
	C Condition (7°C)	Pdh (declared heating cap)		kW	2.90		4.12	4.89
		COPd (declared COP)			6.22		6.33	6.81
		Power input		kW	0.47		0.65	0.72
	D Condition (12°C)	Pdh (declared heating cap)		kW	3.30		4.71	5.38
		COPd (declared COP)			7.25		7.40	7.82
		Power input		kW	0.46		0.64	0.69
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	0.009			
		Heating	POFF	kW	0.009			
	Standby mode	Cooling	PSB	kW	0.009			
		Heating	PSB	kW	0.009			
	Thermostat-off mode	Cooling	PTO	kW	0.007		0.009	
		Heating	PTO	kW	0.007		0.009	
Cooling	Cdc (Degradation cooling)				0.25			
Heating	Cdh (Degradation heating)				0.25			
Cooling function included					Yes			
Heating function included					Yes			
Average climate included					Yes			
Cold season included					No			
Warm season included					No			
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	64		66	67
	Sound power level indoor	Cooling	Nom.	dBA	59	64		65

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

2 Specifications

1 - 1 RZQG-L9V1

Technical specifications				FVA71A + RZQG71L9V1	FVA100A + RZQG71L9V1	FVA100A + RZQG100L9V1	FVA140A + RZQG100L9V1	FVA125A + RZQG125L9V1	FVA140A + RZQG125L9V1
Cooling capacity	Nom.		kW	6.80		9.50		12.00	
	Nom.		Btu/h	23,200	23,203	32,400	32,415	40,900	40,946
	Nom.		kcal/h	5,847		8,169		10,318	
Heating capacity	Nom.		kW	7.50	-	10.80	-	13.50	-
	Nom.		Btu/h	25,600	-	36,900	-	46,100	-
	Nom.		kcal/h	6,449	-	9,286	-	11,608	-
Power input	Cooling	Nom.	kW	2.02		2.49		3.74	
	Heating	Nom.	kW	2.06	-	2.61	-	3.65	-
Nominal efficiency	EER			3.37		3.81		3.21	
	COP			3.64	-	4.14	-	3.70	-
	Annual energy consumption		kWh	1,009	-	1,247	-	1,869	-
	Energy labeling Directive	Cooling		A	-	A	-	A	-
		Heating		A	-	A	-	A	-
Space cooling	Energy efficiency class			A++		A+			
	Capacity	Pdesign	kW	6.80		9.50		12.00	
	SEER			6.23		5.61			
	Annual energy consumption		kWh/a	383		593		749	
Space heating (Average climate)	Energy efficiency class			A+				A	
	Capacity	Pdesign	kW	6.33		11.30			
	SCOP/A			4.05		4.20		3.87	
	SCOPnet/A			4.06		4.23		3.89	
	Pdh Heating capacity at -10°		kW	5.97		9.60		10.09	
	Annual energy consumption		kWh/a	2,189		3,767		4,088	
	Required back up heating cap at design conditions		kW	0.36		1.70		1.21	
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	6.80		9.50		12.00	
		EERd		3.37		3.81		3.21	
		Power input	kW	2.02		2.49		3.74	
	B Condition (30°C - 27/19)	Pdc	kW	5.06		7.13		8.84	
		EERd		4.24		4.21		4.53	
		Power input	kW	1.19		1.69		1.95	
	C Condition (25°C - 27/19)	Pdc	kW	3.85		5.65		5.87	
		EERd		8.88		7.15		6.72	
		Power input	kW	0.43		0.79		0.87	
	D Condition (20°C - 27/19)	Pdc	kW	3.97		5.86		5.58	
		EERd		11.57		9.07		8.60	
		Power input	kW	0.34		0.65			
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15					
		Pdh (declared heating cap)	kW	6.59		8.94		10.23	
		COPd (declared COP)		1.92		2.52		1.53	
		Power input	kW	3.43		3.55		6.69	
	TBivalent	Tbiv (bivalent temperature)	°C	-7					
		Pdh (declared heating cap)	kW	5.60		10.00			
		COPd (declared COP)		3.05		3.48		2.48	
		Power input	kW	1.84		2.87		4.03	
	A Condition (-7°C)	Pdh (declared heating cap)	kW	5.60		10.00			
		COPd (declared COP)		3.05		3.48		2.48	
		Power input	kW	1.84		2.87		4.03	
	B Condition (2°C)	Pdh (declared heating cap)	kW	4.61		6.27		7.08	
		COPd (declared COP)		3.73		3.65		3.67	
		Power input	kW	1.24		1.72		1.93	
	C Condition (7°C)	Pdh (declared heating cap)	kW	2.91		4.11		4.70	
		COPd (declared COP)		6.39		5.82		6.06	
		Power input	kW	0.46		0.71		0.78	
	D Condition (12°C)	Pdh (declared heating cap)	kW	3.30		4.70		5.35	
		COPd (declared COP)		7.29		6.74		6.97	
		Power input	kW	0.45		0.70		0.77	
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	0.009					
		Heating POFF	kW	0.009					
	Standby mode	Cooling PSB	kW	0.009					
		Heating PSB	kW	0.009					
	Thermostat-off mode	Cooling PTO	kW	0.007		0.009			
		Heating PTO	kW	0.007		0.009			
Cooling	Cdc (Degradation cooling)			0.25					
Heating	Cdh (Degradation heating)			0.25					

2 Specifications

1 - 1 RZQG-L9V1

Technical specifications					FVA71A + RZQG71L9V1	FVA100A + RZQG71L9V1	FVA100A + RZQG100L9V1	FVA140A + RZQG100L9V1	FVA125A + RZQG125L9V1	FVA140A + RZQG125L9V1
Cooling function included					Yes					
Heating function included					Yes					
Average climate included					Yes					
Cold season included					No					
Warm season included					No					
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	64		66		67	
	Sound power level indoor	Cooling	Nom.	dBA	55	62		65	63	65

Technical specifications				FVA140A + RZQG140L9V1
Cooling capacity	Nom.		kW	13.40
	Nom.		Btu/h	45,700
	Nom.		kcal/h	11,522
Heating capacity	Nom.		kW	15.50
	Nom.		Btu/h	52,900
	Nom.		kcal/h	13,328
Power input	Cooling	Nom.	kW	4.80
	Heating	Nom.	kW	4.29
Nominal efficiency	EER			2.79
	COP			3.61
Space cooling	Capacity	Pdesign	kW	13.40
	SEER			5.89
	ηs,c		%	232.61
	Annual energy consumption		kWh/a	1,365
Space heating (Average climate)	Capacity	Pdesign	kW	11.47
	SCOP/A			3.88
	SCOPnet/A			3.88
	ηs,h		%	152.39
	Pdh Heating capacity at -10°		kW	0.00
	Annual energy consumption		kWh/a	4,132
	Required back up heating cap at design conditions		kW	11.47
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	13.40
		EERd		2.79
		Power input	kW	4.80
	B Condition (30°C - 27/19)	Pdc	kW	9.87
		EERd		4.86
		Power input	kW	2.03
	C Condition (25°C - 27/19)	Pdc	kW	6.35
		EERd		6.66
		Power input	kW	0.95
	D Condition (20°C - 27/19)	Pdc	kW	5.81
		EERd		9.95
		Power input	kW	0.58
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10
		Pdh (declared heating cap)	kW	11.47
		COPd (declared COP)		1.85
Space heating (Average climate)	TOL	Power input	kW	6.20
	TBivalent	Tbiv (bivalent temperature)	°C	-10
		Pdh (declared heating cap)	kW	11.47
		COPd (declared COP)		1.85
		Power input	kW	6.20
	A Condition (-7°C)	Pdh (declared heating cap)	kW	10.14
		COPd (declared COP)		2.26
		Power input	kW	4.49
	B Condition (2°C)	Pdh (declared heating cap)	kW	6.17
		COPd (declared COP)		4.00
		Power input	kW	1.54
	C Condition (7°C)	Pdh (declared heating cap)	kW	4.06
		COPd (declared COP)		5.05
		Power input	kW	0.80
	D Condition (12°C)	Pdh (declared heating cap)	kW	4.74
		COPd (declared COP)		6.03
		Power input	kW	0.79

2 Specifications

1 - 1 RZQG-L9V1

Technical specifications					FVA140A + RZQG140L9V1
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0.000
		Heating	PCK	kW	0.012
	Off mode	Cooling	POFF	kW	0.012
		Heating	POFF	kW	0.012
	Standby mode	Cooling	PSB	kW	0.012
		Heating	PSB	kW	0.012
	Thermostat-off mode	Cooling	PTO	kW	0.000
		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	0.00
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

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

3 - 1 Electrical Data

RZQG-L(8)Y1
RZQG-L9V1

Notes

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

Symbols

①	Hz
②	Voltage
③	Voltage range
MCA	Minimum Circuit Ampere [A]
MFA	Maximum Fuse Ampere [A]
RLA	Rated load amps [A]
OFM	Outdoor fan motor
IFM	Indoor fan motor
FLA	Full Load Ampere (A)
kW	Fan motor rated output [kW]
RHz	Rated operating frequency [Hz]
COMP	Compressor

3D094863C

RZQG71-125L9V1

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FBQ35D2VEB	RXS35L3V1B	50	220–240V	MAX. 50Hz 264V MIN. 50Hz 198V	15	16	63	3,1	0,023	0,23	0,089	0,6
FBQ50D2VEB	RXS50L2V1B				18	20	64	5,3	0,053	0,23	0,089	0,6
FBQ60D2VEB	RXS60L2V1B				18	20	69	6,1	0,053	0,27	0,07	0,5
FBQ71D2VEB	RZQG71L9V1B	50	220–240V	MAX. 50Hz 264V MIN. 50Hz 198V	16,4	20	51	15,6	0,094	0,4	0,07	0,5
2xFBQ35D2VEB	RZQG71L9V1B				17,1	20	–	15,6	0,094	0,4	2x0.089	2x0.6
FBQ100D2VEB	RZQG100L9V1B				28,9	32	49	24,2	0.094 + 0.094	0.4 + 0.4	0,127	1,0
2xFBQ50D2VEB	RZQG100L9V1B				29,1	32	–	24,2	0.094 + 0.094	0.4 + 0.4	2x0.089	2x0.6
3xFBQ35D2VEB	RZQG100L9V1B				29,7	32	–	24,2	0.094 + 0.094	0.4 + 0.4	3x0.089	3x0.6
FBQ125D2VEB	RZQG125L9V1B				29,5	32	64	24,2	0.094 + 0.094	0.4 + 0.4	0,187	1,5
2xFBQ60D2VEB	RZQG125L9V1B				29	32	–	24,2	0.094 + 0.094	0.4 + 0.4	2x0.070	2x0.5
3xFBQ50D2VEB	RZQG125L9V1B				29,8	32	–	24,2	0.094 + 0.094	0.4 + 0.4	3x0.089	3x0.6

Symbols
① Hz
② Voltage
③ Voltage
MCA Minimum Circuit Ampere [A]
MFA Maximum Fuse Ampere [A]
RLA Rated load amps [A]
OFM Outdoor fan motor
IFM Indoor fan motor
FLA Full Load Ampere (A)
kW Fan motor rated output [kW]
RHz Rated operating frequency [Hz]
COMP Compressor

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3 Electrical data

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Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FBA35A2VEB	RXS35L3V1B	50	220–240V	MAX. 50Hz 264V MIN. 50Hz 198V	15	16	63	3,1	0,023	0,23	0,089	0,6
FBA50A2VEB	RXS50L2V1B				18	20	64	5,3	0,053	0,23	0,089	0,6
FBA60A2VEB	RXS60L2V1B				18	20	69	6,1	0,053	0,27	0,07	0,5
FBA71A2VEB	RZQG71L9V1B	50	220–240V	MAX. 50Hz 264V MIN. 50Hz 198V	16,4	20	51	15,6	0,094	0,4	0,07	0,5
2xFBA35A2VEB	RZQG71L9V1B				17,1	20	–	15,6	0,094	0,4	2x0.089	2x0.6
FBA100A2VEB	RZQG100L9V1B				28,9	32	49	24,2	0.094 + 0.094	0.4 + 0.4	0,127	1,0
2xFBA50A2VEB	RZQG100L9V1B				29,1	32	–	24,2	0.094 + 0.094	0.4 + 0.4	2x0.089	2x0.6
3xFBA35A2VEB	RZQG100L9V1B				29,7	32	–	24,2	0.094 + 0.094	0.4 + 0.4	3x0.089	3x0.6
FBA125A2VEB	RZQG125L9V1B				29,5	32	64	24,2	0.094 + 0.094	0.4 + 0.4	0,187	1,5
2xFBA60A2VEB	RZQG125L9V1B				29	32	–	24,2	0.094 + 0.094	0.4 + 0.4	2x0.070	2x0.5
3xFBA50A2VEB	RZQG125L9V1B				29,8	32	–	24,2	0.094 + 0.094	0.4 + 0.4	3x0.089	3x0.6

Symbols

① Hz
② Voltage
③ Voltage range

MCA Minimum Circuit Ampere [A]

MFA Maximum Fuse Ampere [A]

RLA Rated load amps [A]

OFM Outdoor fan motor

IFM Indoor fan motor

FLA Full Load Ampere (A)

kW Fan motor rated output [kW]

RHz Rated operating frequency [Hz]

COMP Compressor

3D094863C

RZQG125-140L9V1

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
4xFBQ35D2VEB	RZQG125L9V1B	50	220–240V	MAX. 50Hz 264V MIN. 50Hz 198V	30,4	32	–	24,2	0.094 + 0.094	0.4 + 0.4	4x0.089	4x0.6
FBQ140D2VEB	RZQG140L9V1B				29,5	32	68	24,2	0.094 + 0.094	0.4 + 0.4	0,187	1,5
2xFBQ71D2VEB	RZQG140L9V1B				29	32	–	24,2	0.094 + 0.094	0.4 + 0.4	2x0.07	2x0.5
3xFBQ50D2VEB	RZQG140L9V1B				29,8	32	–	24,2	0.094 + 0.094	0.4 + 0.4	3x0.089	3x0.6
4xFBQ35D2VEB	RZQG140L9V1B				30,4	32	–	24,2	0.094 + 0.094	0.4 + 0.4	4x0.089	4x0.6
FBQ71D2VEB	RZQSG71L3V1B	50	220–240V	MAX. 50Hz 264V MIN. 50Hz 198V	18,9	20	50	16,2	0,07	0,3	0,07	0,5
2xFBQ35D2VEB	RZQSG71L3V1B				19,6	20	–	16,2	0,07	0,3	2x0.089	2x0.6
FBQ100D2VEB	RZQSG100L9V1B				28,9	32	53	24,4	0,2	0,6	0,127	1,0
2xFBQ50D2VEB	RZQSG100L9V1B				29,1	32	–	24,4	0,2	0,6	2x0.089	2x0.6
3xFBQ35D2VEB	RZQSG100L9V1B				29,7	32	–	24,4	0,2	0,6	3x0.089	3x0.6
FBQ125D2VEB	RZQSG125L9V1B				29,5	32	80	24,4	0,2	0,6	0,187	1,5

Symbols

① Hz
② Voltage
③ Voltage range

MCA Minimum Circuit Ampere [A]

MFA Maximum Fuse Ampere [A]

RLA Rated load amps [A]

OFM Outdoor fan motor

IFM Indoor fan motor

FLA Full Load Ampere (A)

kW Fan motor rated output [kW]

RHz Rated operating frequency [Hz]

COMP Compressor

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Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
4xFBA35A2VEB	RZQG125L9V1B	50	220–240V	MAX. 50Hz 264V MIN. 50Hz 198V	30,4	32	–	24,2	0.094 + 0.094	0.4 + 0.4	4x0.089	4x0.6
FBA140A2VEB	RZQG140L9V1B				29,5	32	68	24,2	0.094 + 0.094	0.4 + 0.4	0,187	1,5
2xFBA71A2VEB	RZQG140L9V1B				29	32	–	24,2	0.094 + 0.094	0.4 + 0.4	2x0.07	2x0.5
3xFBA50A2VEB	RZQG140L9V1B				29,8	32	–	24,2	0.094 + 0.094	0.4 + 0.4	3x0.089	3x0.6
4xFBA35A2VEB	RZQG140L9V1B				30,4	32	–	24,2	0.094 + 0.094	0.4 + 0.4	4x0.089	4x0.6
FBA71A2VEB	RZQSG71L3V1B	50	220–240V	MAX. 50Hz 264V MIN. 50Hz 198V	18,9	20	50	16,2	0,07	0,3	0,07	0,5
2xFBA35A2VEB	RZQSG71L3V1B				19,6	20	–	16,2	0,07	0,3	2x0.089	2x0.6
FBA100A2VEB	RZQSG100L9V1B				28,9	32	53	24,4	0,2	0,6	0,127	1,0
2xFBA50A2VEB	RZQSG100L9V1B				29,1	32	–	24,4	0,2	0,6	2x0.089	2x0.6
3xFBA35A2VEB	RZQSG100L9V1B				29,7	32	–	24,4	0,2	0,6	3x0.089	3x0.6
FBA125A2VEB	RZQSG125L9V1B				29,5	32	80	24,4	0,2	0,6	0,187	1,5

Symbols

① Hz
② Voltage
③ Voltage range

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

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RZQG-L9V1

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

1. 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
2. ·TOCA· is the total value of each overcurrent set.
3. 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.
4. The maximum allowable voltage that is unbalanced between phases is ·2·%.
5. ·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.
6. Select the wire size according to the MCA.
7. ·MFA· is used to select the circuit breaker and the ground fault circuit interruptor.
   Earth leakage circuit breaker

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Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM kW	IFM FLA
FCQHG71FVEB		RZQG71L9V1B	50Hz ~ 220-240V	Minimum : 198 V.	Maximum : 264 V.	18.2	–	20	–	15.6	0.094	0.4	0.091	0.5
FCQG35FVEB	×2	RZQG71L9V1B				18.4	–	20	–	15.6	0.094	0.4	0.044×2	0.3×2
FCQG71FVEB		RZQG71L9V1B				18.1	–	20	–	15.6	0.094	0.4	0.054	0.4
FFQ35C2VEB	×2	RZQG71L9V1B				18.6	–	20	–	15.6	0.094	0.4	0.050×2	0.4×2
FDXS35F2VEB	×2	RZQG71L9V1B				18.4	–	20	–	15.6	0.094	0.4	0.034×2	0.3×2
FBQ35C8VEB	×2	RZQG71L9V1B				20.6	–	25	–	15.6	0.094	0.4	0.140×2	1.2×2
FBQ71C8VEB		RZQG71L9V1B				19.0	–	20	–	15.6	0.094	0.4	0.350	1.1
FAQ71CVEB9		RZQG71L9V1B				18.1	–	20	–	15.6	0.094	0.4	0.048	0.4
FVQ71CVEB		RZQG71L9V1B				18.4	–	20	–	15.6	0.094	0.4	0.117	0.6
FHQ35CBVEB	×2	RZQG71L9V1B				19.1	–	20	–	15.6	0.094	0.4	0.060 x 2	0,6 x 2
FHQ71CBVEB		RZQG71L9V1B				18.6	–	20	–	15.6	0.094	0.4	0.091	0.8
FUQ71CVEB		RZQG71L9V1B				18.7	–	20	–	15.6	0.094	0.4	0.046	0.9
FCQHG100FVEB		RZQG100L9V1B	50Hz ~ 220-240V	Minimum : 198 V.	Maximum : 264 V.	29.1	–	32	–	24.2	0.094+0.094	0.4+0.4	0.221	1.3
FCQG35FVEB	×3	RZQG100L9V1B				28.6	–	32	–	24.2	0.094+0.094	0.4+0.4	0.044×3	0.3×3
FCQG50FVEB	×2	RZQG100L9V1B				28.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.039×2	0.3×2
FCQG100FVEB		RZQG100L9V1B				28.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.117	0.7
FFQ35C2VEB	×3	RZQG100L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050×3	0.4×3
FFQ50C2VEB	×2	RZQG100L9V1B				28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050×2	0.4×2
FDXS35F2VEB	×3	RZQG100L9V1B				28.6	–	32	–	24.2	0.094+0.094	0.4+0.4	0.034×3	0.3×3
FDXS50F2VEB9	×2	RZQG100L9V1B				28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.06x2	0,5x2
FBQ35C8VEB	×3	RZQG100L9V1B				32.0	–	40	–	24.2	0.094+0.094	0.4+0.4	0.140×3	1.2×3
FBQ50C8VEB	×2	RZQG100L9V1B				30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.140×2	1.2×2
FBQ100CBVEB		RZQG100L9V1B				29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.350	1.6
FAQ100CVEB9		RZQG100L9V1B				28.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.064	0.4
FVQ100CVEB		RZQG100L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.238	1.2
FHQ35CBVEB	×3	RZQG100L9V1B				29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x 3	0,6 x 3
FHQ50CBVEB	×2	RZQG100L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0,060 x 2	0,6 x 2
FHQ100CBVEB		RZQG100L9V1B				29.1	–	32	–	24.2	0.094+0.094	0.4+0.4	0.150	1.3
FUQ100CVEB		RZQG100L9V1B				29.1	–	32	–	24.2	0.094+0.094	0.4+0.4	0.106	1.3

Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM kW	IFM FLA
FCAHG71HVEB		RZQG71L9V1B	50Hz ~ 220-240V	Minimum : 198 V.	Maximum : 264 V.	18.2	–	20	–	15.6	0.094	0.4	0.091	0.5
FCAG35BVEB	×2	RZQG71L9V1B				18.4	–	20	–	15.6	0.094	0.4	0.044×2	0.3×2
FCAG71BVEB		RZQG71L9V1B				18.1	–	20	–	15.6	0.094	0.4	0.054	0.4
FFA35A2VEB	×2	RZQG71L9V1B				18.6	–	20	–	15.6	0.094	0.4	0.050×2	0.4×2
FDXM35F3V1B	×2	RZQG71L9V1B				18.4	–	20	–	15.6	0.094	0.4	0.034×2	0.3×2
FAA71BUV1B		RZQG71L9V1B				18.1	–	20	–	15.6	0.094	0.4	0.048	0.4
FVA71AMVEB		RZQG71L9V1B				18.4	–	20	–	15.6	0.094	0.4	0.117	0.6
FHA35AVEB99	×2	RZQG71L9V1B				19.1	–	20	–	15.6	0.094	0.4	0.060 x 2	0,6 x 2
FHA71AVEB99		RZQG71L9V1B				18.6	–	20	–	15.6	0.094	0.4	0.091	0.8
FUA71AVEB9		RZQG71L9V1B				18.7	–	20	–	15.6	0.094	0.4	0.046	0.9
FCAHG100HVEB		RZQG100L9V1B	50Hz ~ 220-240V	Minimum : 198 V.	Maximum : 264 V.	29.1	–	32	–	24.2	0.094+0.094	0.4+0.4	0.221	1.3
FCAG35BVEB	×3	RZQG100L9V1B				28.6	–	32	–	24.2	0.094+0.094	0.4+0.4	0.044×3	0.3×3
FCAG50BVEB	×2	RZQG100L9V1B				28.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.039×2	0.3×2
FCAG100BVEB		RZQG100L9V1B				28.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.117	0.7
FFA35A2VEB	×3	RZQG100L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050×3	0.4×3
FFA50A2VEB	×2	RZQG100L9V1B				28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050×2	0.4×2
FDXM35F3V1B	×3	RZQG100L9V1B				28.6	–	32	–	24.2	0.094+0.094	0.4+0.4	0.034×3	0.3×3
FDXM50F3V1B	×2	RZQG100L9V1B				28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.06x2	0,5x2
FAA100BUV1B		RZQG100L9V1B				28.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.064	0.4
FVA100AMVEB		RZQG100L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.238	1.2
FHA35AVEB99	×3	RZQG100L9V1B				29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x 3	0,6 x 3
FHA50AVEB99	×2	RZQG100L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0,060 x 2	0,6 x 2
FHA100AVEB9		RZQG100L9V1B				29.1	–	32	–	24.2	0.094+0.094	0.4+0.4	0.150	1.3
FUA100AVEB9		RZQG100L9V1B				29.1	–	32	–	24.2	0.094+0.094	0.4+0.4	0.106	1.3

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Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM kW	IFM FLA
FCQHG125FVEB		RZQG125L9V1B	50Hz ~ 220-240V	Minimum : 198 V.	Maximum : 264 V.	29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.244	1.4
FCQG35FVEB	×4	RZQG125L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.044×4	0.3×4
FCQG50FVEB	×3	RZQG125L9V1B				28.6	–	32	–	24.2	0.094+0.094	0.4+0.4	0.039×3	0.3×3
FCQG60FVEB	×2	RZQG125L9V1B				28.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.044×2	0.3×2
FCQG125FVEB		RZQG125L9V1B				28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.168	1
FFQ35C2VEB	×4	RZQG125L9V1B				29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050×4	0.4×4
FFQ50C2V1B	×3	RZQG125L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050×3	0.4×3
FFQ60C2V1B	×2	RZQG125L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050×2	0.6×2
FDXS35F2VEB	×4	RZQG125L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.034×4	0.3×4
FDXS50F2VEB9	×3	RZQG125L9V1B				29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.06×3	0.5×3
FDXS60F2VEB	×2	RZQG125L9V1B				28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060×2	0.5×2
FBQ35C8VEB	×4	RZQG125L9V1B				33.5	–	40	–	24.2	0.094+0.094	0.4+0.4	0.140×4	1.2×4
FBQ50C8VEB	×3	RZQG125L9V1B				32.0	–	40	–	24.2	0.094+0.094	0.4+0.4	0.140×3	1.2×3
FBQ60C8VEB	×2	RZQG125L9V1B				30.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.350×2	1.1×2
FBQ125C8VEB		RZQG125L9V1B				30.1	–	32	–	24.2	0.094+0.094	0.4+0.4	0.350	2.1
FDQ125C5VEB		RZQG125L9V1B				30.1	–	32	–	24.2	0.094+0.094	0.4+0.4	0.350	2.1
FDQ125C7VEB		RZQG125L9V1B				30.1	–	32	–	24.2	0.094+0.094	0.4+0.4	0.350	2.1
FVQ125CVEB		RZQG125L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.238	1.2
FHQ35CBVEB	×4	RZQG125L9V1B				30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x 4	0,6 x 4
FHQ50CBVEB	×3	RZQG125L9V1B				29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0,060 x 3	0,6 x 3
FHQ60CBVEB	×2	RZQG125L9V1B				29	–	32	–	24.2	0.094+0.094	0.4+0.4	0,091 x 2	0,6 x 2
FHQ125CBVEB		RZQG125L9V1B				29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.15	1.5
FUQ125CVEB		RZQG125L9V1B				29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.106	1.4
FCQHG71FVEB	×2	RZQG140L9V1B	50Hz ~ 220-240V	Minimum : 198 V.	Maximum : 264 V.	28.75	–	32	–	24.2	0.094+0.094	0.4+0.4	0.091×2	0.5×2
FCQHG140FVEB		RZQG140L9V1B				29.25	–	32	–	24.2	0.094+0.094	0.4+0.4	0.244	1.4
FCQG35FVEB	×4	RZQG140L9V1B				29	–	32	–	24.2	0.094+0.094	0.4+0.4	0.044×4	0.3×4
FCQG50FVEB	×3	RZQG140L9V1B				28.625	–	32	–	24.2	0.094+0.094	0.4+0.4	0.039×3	0.3×3
FCQG71FVEB	×2	RZQG140L9V1B				28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.054×2	0.4×2
FCQG140FVEB		RZQG140L9V1B				28.75	–	32	–	24.2	0.094+0.094	0.4+0.4	0.168	1
FFQ35C2VEB	×4	RZQG140L9V1B				29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050×4	0.4×4
FFQ50C2VEB	×3	RZQG140L9V1B				29	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050×3	0.4×3
FDXS35F2VEB	×4	RZQG140L9V1B				29	–	32	–	24.2	0.094+0.094	0.4+0.4	0.034×4	0.3×4
FDXS50F2VEB9	×3	RZQG140L9V1B				29.4	–	33	–	25.2	0.094+0.094	0.4+0.4	0.06×3	0.5×3
FBQ35C8VEB	×4	RZQG140L9V1B				33.5	–	40	–	24.2	0.094+0.094	0.4+0.4	0.140×4	1.2×4
FBQ50C8VEB	×3	RZQG140L9V1B				32	–	40	–	24.2	0.094+0.094	0.4+0.4	0.140×3	1.2×3
FBQ71C8VEB	×2	RZQG140L9V1B				30.25	–	32	–	24.2	0.094+0.094	0.4+0.4	0.350×2	1.1×2
FBQ140C8VEB		RZQG140L9V1B				30.125	–	32	–	24.2	0.094+0.094	0.4+0.4	0.35	2.1
FAQ71CVEB9	×2	RZQG140L9V1B				28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.048×2	0.4×2
FVQ140CVEB		RZQG140L9V1B				29.25	–	32	–	24.2	0.094+0.094	0.4+0.4	0.276	1.4
FHQ35CBVEB	×4	RZQG140L9V1B				30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x 4	0,6 x 4
FHQ50CBVEB	×3	RZQG140L9V1B				29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0,060 x 3	0,6 x 3
FHQ71CBVEB	×2	RZQG140L9V1B				29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0,091 x 2	0,8 x 2
FHQ140CBVEB		RZQG140L9V1B				29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.15	1.8
FUQ71CVEB	×2	RZQG140L9V1B				29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0,046 x 2	0,9 x 2

Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM kW	IFM FLA
FCAHG125HVEB		RZQG125L9V1B	50Hz ~ 220-240V	Minimum : 198 V.	Maximum : 264 V.	29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.244	1.4
FCAG35BVEB	×4	RZQG125L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.044×4	0.3×4
FCAG50BVEB	×3	RZQG125L9V1B				28.6	–	32	–	24.2	0.094+0.094	0.4+0.4	0.039×3	0.3×3
FCAG60BVEB	×2	RZQG125L9V1B				28.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.044×2	0.3×2
FCAG125BVEB		RZQG125L9V1B				28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.168	1
FFA35A2VEB	×4	RZQG125L9V1B				29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050×4	0.4×4
FFA50A2VEB	×3	RZQG125L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050×3	0.4×3
FFA60A2VEB	×2	RZQG125L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050×2	0.6×2
FDXM35F3V1B	×4	RZQG125L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.034×4	0.3×4
FDXM50F3V1B	×3	RZQG125L9V1B				29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.06×3	0.5×3
FDXM60F3V1B	×2	RZQG125L9V1B				28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060×2	0.5×2
FDA125A5VEB		RZQG125L9V1B				30.1	–	32	–	24.2	0.094+0.094	0.4+0.4	0.350	2.1
FVA125AMVEB		RZQG125L9V1B				29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.238	1.2
FHA35AVEB99	×4	RZQG125L9V1B				30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x 4	0,6 x 4
FHA50AVEB99	×3	RZQG125L9V1B				29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0,060 x 3	0,6 x 3
FHA60AVEB99	×2	RZQG125L9V1B				29	–	32	–	24.2	0.094+0.094	0.4+0.4	0,091 x 2	0,6 x 2
FHA125AVEB9		RZQG125L9V1B				29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.15	1.5
FUA125AVEB9		RZQG125L9V1B				29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.106	1.4
FCAHG71HVEB	×2	RZQG140L9V1B	50Hz ~ 220-240V	Minimum : 198 V.	Maximum : 264 V.	28.75	–	32	–	24.2	0.094+0.094	0.4+0.4	0.091×2	0.5×2
FCAHG140HVEB		RZQG140L9V1B				29.25	–	32	–	24.2	0.094+0.094	0.4+0.4	0.244	1.4
FCAG35BVEB	×4	RZQG140L9V1B				29	–	32	–	24.2	0.094+0.094	0.4+0.4	0.044×4	0.3×4
FCAG50BVEB	×3	RZQG140L9V1B				28.63	–	32	–	24.2	0.094+0.094	0.4+0.4	0.039×3	0.3×3
FCAG71BVEB	×2	RZQG140L9V1B				28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.054×2	0.4×2
FCAG140BVEB		RZQG140L9V1B				28.75	–	32	–	24.2	0.094+0.094	0.4+0.4	0.168	1
FFA35A2VEB	×4	RZQG140L9V1B				29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050×4	0.4×4
FFA50A2VEB	×3	RZQG140L9V1B				29	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050×3	0.4×3
FDXM35F3V1B	×4	RZQG140L9V1B				29	–	32	–	24.2	0.094+0.094	0.4+0.4	0.034×4	0.3×4
FDXM50F3V1B	×3	RZQG140L9V1B				29.4	–	33	–	25.2	0.094+0.094	0.4+0.4	0.06×3	0.5×3
FAA71BUV1B	×2	RZQG140L9V1B				28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.048×2	0.4×2
FVA140AMVEB		RZQG140L9V1B				29.25	–	32	–	24.2	0.094+0.094	0.4+0.4	0.276	1.4
FHA35AVEB99	×4	RZQG140L9V1B				30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x 4	0,6 x 4
FHA50AVEB99	×3	RZQG140L9V1B				29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0,060 x 3	0,6 x 3
FHA71AVEB99	×2	RZQG140L9V1B				29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0,091 x 2	0,8 x 2
FHA140AVEB9		RZQG140L9V1B				29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.15	1.8
FUA71AVEB9	×2	RZQG140L9V1B				29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0,046 x 2	0,9 x 2

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3 Electrical data

3 - 1 Electrical Data

RZQG-L9V1

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

1. 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
2. ·TOCA· is the total value of each overcurrent set.
3. 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.
4. The maximum allowable voltage that is unbalanced between phases is ·2·%.
5. ·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.
6. Select the wire size according to the MCA.
7. ·MFA· is used to select the circuit breaker and the ground fault circuit interruptor.
   Earth leakage circuit breaker

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RZQG71-100L9V1

Indoor		Outdoor	Power supply	Voltage range	MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM kW	IFM FLA	Indoor		Outdoor	Power supply	Voltage range	MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM kW	IFM FLA
FCQHG100FVEB		RZQG71L9V1B	1~ 50Hz 220-240V	Minimum: 198 V Maximum: 264 V	19.2	–	20	–	15.6	0.094	0.4	0.221	1.3	FCAHG100HVEB		RZQG71L9V1B	1~ 50Hz 220-240V	Minimum: 198 V Maximum: 264 V	19.2	–	20	–	15.6	0.094	0.4	0.221	1.3
FCQG35FVEB	x3	RZQG71L9V1B			18.7	–	20	–	15.6	0.094	0.4	0.044 x3	0.3 x3	FCAG35BVEB	x3	RZQG71L9V1B			18.7	–	20	–	15.6	0.094	0.4	0.044 x3	0.3 x3
FCQG50FVEB	x2	RZQG71L9V1B			18.4	–	20	–	15.6	0.094	0.4	0.039 x2	0.3 x2	FCAG50BVEB	x2	RZQG71L9V1B			18.4	–	20	–	15.6	0.094	0.4	0.039 x2	0.3 x2
FCQG100FVEB		RZQG71L9V1B			18.5	–	20	–	15.6	0.094	0.4	0.117	0.7	FCAG100BVEB		RZQG71L9V1B			18.5	–	20	–	15.6	0.094	0.4	0.117	0.7
FFQ35C2VEB	x3	RZQG71L9V1B			19.1	–	20	–	15.6	0.094	0.4	0.050 x3	0.4 x3	FFA35A2VEB	x3	RZQG71L9V1B			19.1	–	20	–	15.6	0.094	0.4	0.050 x3	0.4 x3
FFQ50C2VEB	x2	RZQG71L9V1B			18.6	–	20	–	15.6	0.094	0.4	0.050 x2	0.4 x2	FFA50A2VEB	x2	RZQG71L9V1B			18.6	–	20	–	15.6	0.094	0.4	0.050 x2	0.4 x2
FBQ35D2VEB	x3	RZQG71L9V1B			19.9	–	25	–	15.6	0.094	0.4	0.089 x3	0.6 x3	FBA35A2VEB	x3	RZQG71L9V1B			19.9	–	25	–	15.6	0.094	0.4	0.089 x3	0.6 x3
FBQ50D2VEB	x2	RZQG71L9V1B			19.1	–	20	–	15.6	0.094	0.4	0.089 x2	0.6 x2	FBA50A2VEB	x2	RZQG71L9V1B			19.1	–	20	–	15.6	0.094	0.4	0.089 x2	0.6 x2
FBQ100D2VEB		RZQG71L9V1B			18.9	–	20	–	15.6	0.094	0.4	0.127	1.0	FBA100A2VEB		RZQG71L9V1B			18.9	–	20	–	15.6	0.094	0.4	0.127	1.0
FHQ35CBVEB	x3	RZQG71L9V1B			19.9	–	25	–	15.6	0.094	0.4	0.060 x3	0.6 x3	FHA35AVEB99	x3	RZQG71L9V1B			19.9	–	25	–	15.6	0.094	0.4	0.060 x3	0.6 x3
FHQ50CBVEB	x2	RZQG71L9V1B			19.1	–	20	–	15.6	0.094	0.4	0.060 x2	0.6 x2	FHA50AVEB99	x2	RZQG71L9V1B			19.1	–	20	–	15.6	0.094	0.4	0.060 x2	0.6 x2
FHQ100CBVEB		RZQG71L9V1B			19.2	–	20	–	15.6	0.094	0.4	0.150	1.3	FHA100AVEB9		RZQG71L9V1B			19.2	–	20	–	15.6	0.094	0.4	0.150	1.3
FUQ100CVEB		RZQG71L9V1B			19.2	–	20	–	15.6	0.094	0.4	0.106	1.3	FUA100AVEB9		RZQG71L9V1B			19.2	–	20	–	15.6	0.094	0.4	0.106	1.3
FAQ100CVEB9		RZQG71L9V1B			18.1	–	20	–	15.6	0.094	0.4	0.064	0.4	FAA100BUV1B		RZQG71L9V1B			18.1	–	20	–	15.6	0.094	0.4	0.064	0.4
FVQ100CVEB		RZQG71L9V1B			19.1	–	20	–	15.6	0.094	0.4	0.238	1.2	FVA100AMVEB		RZQG71L9V1B			19.1	–	20	–	15.6	0.094	0.4	0.238	1.2
FDXS35F2VEB	x3	RZQG71L9V1B			18.7	–	20	–	15.6	0.094	0.4	0.034 x3	0.3 x3	FDXM35F3V1B	x3	RZQG71L9V1B			18.7	–	20	–	15.6	0.094	0.4	0.034 x3	0.3 x3
FDXS50F2VEB9	x2	RZQG71L9V1B			18.9	–	20	–	15.6	0.094	0.4	0.060 x2	0.5 x2	FDXM50F3V1B	x2	RZQG71L9V1B			18.9	–	20	–	15.6	0.094	0.4	0.060 x2	0.5 x2
FCQHG71FVEB	x2	RZQG100L9V1B	1~ 50Hz 220-240V	Minimum: 198 V Maximum: 264 V	28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.5 x2	FCAHG71HVEB	x2	RZQG100L9V1B	1~ 50Hz 220-240V	Minimum: 198 V Maximum: 264 V	28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.5 x2
FCQHG140FVEB		RZQG100L9V1B			29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.244	1.4	FCAHG140HVEB		RZQG100L9V1B			29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.244	1.4
FCQG35FVEB	x4	RZQG100L9V1B			29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.044 x4	0.3 x4	FCAG35BVEB	x4	RZQG100L9V1B			29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.044 x4	0.3 x4
FCQG50FVEB	x3	RZQG100L9V1B			28.6	–	32	–	24.2	0.094+0.094	0.4+0.4	0.039 x3	0.3 x3	FCAG50BVEB	x3	RZQG100L9V1B			28.6	–	32	–	24.2	0.094+0.094	0.4+0.4	0.039 x3	0.3 x3
FCQG71FVEB	x2	RZQG100L9V1B			28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.054 x2	0.4 x2	FCAG71BVEB	x2	RZQG100L9V1B			28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.054 x2	0.4 x2
FCQG140FVEB		RZQG100L9V1B			28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.168	1.0	FCAG140BVEB		RZQG100L9V1B			28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.168	1.0
FFQ35C2VEB	x4	RZQG100L9V1B			29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050 x4	0.4 x4	FFA35A2VEB	x4	RZQG100L9V1B			29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050 x4	0.4 x4
FFQ50C2VEB	x3	RZQG100L9V1B			29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050 x3	0.4 x3	FFA50A2VEB	x3	RZQG100L9V1B			29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050 x3	0.4 x3
FBQ35D2VEB	x4	RZQG100L9V1B			30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.089 x4	0.6 x4	FBA35A2VEB	x4	RZQG100L9V1B			30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.089 x4	0.6 x4
FBQ50D2VEB	x3	RZQG100L9V1B			29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.089 x3	0.6 x3	FBA50A2VEB	x3	RZQG100L9V1B			29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.089 x3	0.6 x3
FBQ71D2VEB	x2	RZQG100L9V1B			28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.070 x2	0.5 x2	FBA71A2VEB	x2	RZQG100L9V1B			28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.070 x2	0.5 x2
FBQ140D2VEB		RZQG100L9V1B			29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.187	1.5	FBA140A2VEB		RZQG100L9V1B			29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.187	1.5
FHQ35CBVEB	x4	RZQG100L9V1B			30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x4	0.6 x4	FHA35AVEB99	x4	RZQG100L9V1B			30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x4	0.6 x4
FHQ50CBVEB	x3	RZQG100L9V1B			29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.6 x3	FHA50AVEB99	x3	RZQG100L9V1B			29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.6 x3
FHQ71CBVEB	x2	RZQG100L9V1B			29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.8 x2	FHA71AVEB99	x2	RZQG100L9V1B			29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.8 x2
FHQ140CBVEB		RZQG100L9V1B			29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.150	1.8	FHA140AVEB9		RZQG100L9V1B			29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.150	1.8
FUQ71CVEB	x2	RZQG100L9V1B			29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.046 x2	0.9 x2	FUA71AVEB9	x2	RZQG100L9V1B			29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.046 x2	0.9 x2
FAQ71CVEB9	x2	RZQG100L9V1B			28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.048 x2	0.4 x2	FAA71BUV1B	x2	RZQG100L9V1B			28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.048 x2	0.4 x2
FVQ140CVEB		RZQG100L9V1B			29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.276	1.4	FVA140AMVEB		RZQG100L9V1B			29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.276	1.4
FDXS35F2VEB	x4	RZQG100L9V1B			29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.034 x4	0.3 x4	FDXM35F3V1B	x4	RZQG100L9V1B			29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.034 x4	0.3 x4
FDXS50F2VEB9	x3	RZQG100L9V1B			29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.5 x3	FDXM50F3V1B	x3	RZQG100L9V1B			29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.5 x3

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3 Electrical data

3 - 1 Electrical Data

RZQG125-140L9V1

Indoor		Outdoor	Power supply	Voltage range			MCA	TOCA	MFA	Compressor		OFM		IFM	
										MSC	RLA	kW	FLA	kW	FLA
FCQHG71FVEB	x2	RZQG125L9V1B	1~ 50Hz 220-240V	Minimum : 198 V.	Maximum : 264 V.		28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.5 x2
FCQHG140FVEB		RZQG125L9V1B					29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.244	1.4
FCQG35FVEB	x4	RZQG125L9V1B					29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.044 x4	0.3 x4
FCQG50FVEB	x3	RZQG125L9V1B					28.6	–	32	–	24.2	0.094+0.094	0.4+0.4	0.039 x3	0.3 x3
FCQG71FVEB	x2	RZQG125L9V1B					28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.054 x2	0.4 x2
FCQG140FVEB		RZQG125L9V1B					28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.168	1.0
FFQ35C2VEB	x4	RZQG125L9V1B					29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050 x4	0.4 x4
FFQ50C2VEB	x3	RZQG125L9V1B					29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050 x3	0.4 x3
FBQ35D2VEB	x4	RZQG125L9V1B					30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.089 x4	0.6 x4
FBQ50D2VEB	x3	RZQG125L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.089 x3	0.6 x3
FBQ71D2VEB	x2	RZQG125L9V1B					28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.070 x2	0.5 x2
FBQ140D2VEB		RZQG125L9V1B					29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.187	1.5
FHQ35CBVEB	x4	RZQG125L9V1B					30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x4	0.6 x4
FHQ50CBVEB	x3	RZQG125L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.6 x3
FHQ71CBVEB	x2	RZQG125L9V1B					29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.8 x2
FHQ140CBVEB		RZQG125L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.150	1.8
FUQ71CVEB	x2	RZQG125L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.046 x2	0.9 x2
FAQ71CVEB9	x2	RZQG125L9V1B					28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.048 x2	0.4 x2
FVQ140CVEB		RZQG125L9V1B					29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.276	1.4
FDXS35F2VEB	x4	RZQG125L9V1B					29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.034 x4	0.3 x4
FDXS50F2VEB9	x3	RZQG125L9V1B					29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.5 x3
FCQHG71FVEB	x2	RZQG140L9V1B	1~ 50Hz 220-240V	Minimum : 198 V.	Maximum : 264 V.		28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.5 x2
FCQHG140FVEB		RZQG140L9V1B					29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.244	1.4
FCQG35FVEB	x4	RZQG140L9V1B					29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.044 x4	0.3 x4
FCQG50FVEB	x3	RZQG140L9V1B					28.6	–	32	–	24.2	0.094+0.094	0.4+0.4	0.039 x3	0.3 x3
FCQG71FVEB	x2	RZQG140L9V1B					28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.054 x2	0.4 x2
FCQG140FVEB		RZQG140L9V1B					28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.168	1.0
FFQ35C2VEB	x4	RZQG140L9V1B					29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050 x4	0.4 x4
FFQ50C2VEB	x3	RZQG140L9V1B					29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050 x3	0.4 x3
FBQ35D2VEB	x4	RZQG140L9V1B					30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.089 x4	0.6 x4
FBQ50D2VEB	x3	RZQG140L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.089 x3	0.6 x3
FBQ71D2VEB	x2	RZQG140L9V1B					28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.070 x2	0.5 x2
FBQ140D2VEB		RZQG140L9V1B					29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.187	1.5
FHQ35CBVEB	x4	RZQG140L9V1B					30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x4	0.6 x4
FHQ50CBVEB	x3	RZQG140L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.6 x3
FHQ71CBVEB	x2	RZQG140L9V1B					29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.8 x2
FHQ140CBVEB		RZQG140L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.150	1.8
FUQ71CVEB	x2	RZQG140L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.046 x2	0.9 x2
FAQ71CVEB9	x2	RZQG140L9V1B					28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.048 x2	0.4 x2
FVQ140CVEB		RZQG140L9V1B					29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.276	1.4
FDXS35F2VEB	x4	RZQG140L9V1B					29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.034 x4	0.3 x4
FDXS50F2VEB9	x3	RZQG140L9V1B					29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.5 x3

Indoor		Outdoor	Power supply	Voltage range			MCA	TOCA	MFA	Compressor		OFM		IFM	
										MSC	RLA	kW	FLA	kW	FLA
FCAHG71HVEB	x2	RZQG125L9V1B	1~ 50Hz 220-240V	Minimum : 198 V.	Maximum : 264 V.		28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.5 x2
FCAHG140HVEB		RZQG125L9V1B					29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.244	1.4
FCAG35BVEB	x4	RZQG125L9V1B					29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZQG125L9V1B					28.6	–	32	–	24.2	0.094+0.094	0.4+0.4	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZQG125L9V1B					28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.054 x2	0.4 x2
FCAG140BVEB		RZQG125L9V1B					28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.168	1.0
FFA35A2VEB	x4	RZQG125L9V1B					29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050 x4	0.4 x4
FFA50A2VEB	x3	RZQG125L9V1B					29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZQG125L9V1B					30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.089 x4	0.6 x4
FBA50A2VEB	x3	RZQG125L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.089 x3	0.6 x3
FBA71A2VEB	x2	RZQG125L9V1B					28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.070 x2	0.5 x2
FBA140A2VEB		RZQG125L9V1B					29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.187	1.5
FHA35AVEB99	x4	RZQG125L9V1B					30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x4	0.6 x4
FHA50AVEB99	x3	RZQG125L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.6 x3
FHA71AVEB99	x2	RZQG125L9V1B					29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.8 x2
FHA140AVEB9		RZQG125L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.150	1.8
FUA71AVEB9	x2	RZQG125L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZQG125L9V1B					28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.048 x2	0.4 x2
FVA140AMVEB		RZQG125L9V1B					29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.276	1.4
FDXM35F3V1B	x4	RZQG125L9V1B					29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZQG125L9V1B					29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.5 x3
FCAHG71HVEB	x2	RZQG140L9V1B	1~ 50Hz 220-240V	Minimum : 198 V.	Maximum : 264 V.		28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.5 x2
FCAHG140HVEB		RZQG140L9V1B					29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.244	1.4
FCAG35BVEB	x4	RZQG140L9V1B					29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZQG140L9V1B					28.6	–	32	–	24.2	0.094+0.094	0.4+0.4	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZQG140L9V1B					28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.054 x2	0.4 x2
FCAG140BVEB		RZQG140L9V1B					28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.168	1.0
FFA35A2VEB	x4	RZQG140L9V1B					29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050 x4	0.4 x4
FFA50A2VEB	x3	RZQG140L9V1B					29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZQG140L9V1B					30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.089 x4	0.6 x4
FBA50A2VEB	x3	RZQG140L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.089 x3	0.6 x3
FBA71A2VEB	x2	RZQG140L9V1B					28.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.070 x2	0.5 x2
FBA140A2VEB		RZQG140L9V1B					29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.187	1.5
FHA35AVEB99	x4	RZQG140L9V1B					30.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x4	0.6 x4
FHA50AVEB99	x3	RZQG140L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.6 x3
FHA71AVEB99	x2	RZQG140L9V1B					29.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.091 x2	0.8 x2
FHA140AVEB9		RZQG140L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.150	1.8
FUA71AVEB9	x2	RZQG140L9V1B					29.8	–	32	–	24.2	0.094+0.094	0.4+0.4	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZQG140L9V1B					28.5	–	32	–	24.2	0.094+0.094	0.4+0.4	0.048 x2	0.4 x2
FVA140AMVEB		RZQG140L9V1B					29.3	–	32	–	24.2	0.094+0.094	0.4+0.4	0.276	1.4
FDXM35F3V1B	x4	RZQG140L9V1B					29.0	–	32	–	24.2	0.094+0.094	0.4+0.4	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZQG140L9V1B					29.4	–	32	–	24.2	0.094+0.094	0.4+0.4	0.060 x3	0.5 x3

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4 Options

4 - 1 Options

RZQG-L9V1

Available options for RZQG models

Option		Option kit			
		RZQG71L9V1B	RZQG100L9V1B	RZQG125L9V1B	RZQG140L9V1B
Bottom plate heater		EKBPH140L7			
Refrigerant branch piping	Twin	KHRQ22M20TA			
	Triple	-	KHRQ127H		
	Double twin	-	-	KHRQ22M20TA (3x)	
Demand adaptor kit		SB.KRP58M51			

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5 Combination table

5 - 1 Combination Table

RZQG-L(8)Y1
RZQG-L9V1

SkyAir		High Cassette				Thin cassette						2x2 cassette			Duct (medium ESP)						Ceiling-suspended							Ceiling-mounted - 4-way blow			Wall mounted type		Duct (high ESP)	Floor standing type				Slim duct			Concealed floor standing type	
Model		FCAHG71HVEB	FCAHG100HVEB	FCAHG125HVEB	FCAHG140HVEB	FCAG35BVEB	FCAG50BVEB	FCAG60BVEB	FCAG71BVEB	FCAG100BVEB	FCAG125BVEB	FCAG140BVEB	FFA35A2VEB9	FFA50A2VEB9	FFA60A2VEB9	RBA35A2VEB9	RBA50A2VEB9	RBA60A2VEB9	RBA71A2VEB9	RBA100A2VEB	RBA125A2VEB	RBA140A2VEB	FHA35AVEB99	FHA50AVEB99	FHA60AVEB99	FHA71AVEB99	FHA100AVEB9	FHA125AVEB9	FHA140AVEB9	FUA71AVEB9	FUA100AVEB9	FUA125AVEB9	FAA71AUVEB	FAA100AUVEB	FDA125A5VEB	FVA71AMVEB	FVA100AMVEB	FVA125AMVEB	FVA140AMVEB	FDXM35F3V1B9	FDXM50F3V1B9	FDXM60F3V1B9	FNA35A2VEB9	FNA50A2VEB9
RZQG71L9V1B	RZQG71L8Y1B		P			3	2			P			3	2		3	2			P			3	2			P				P			P				P		3	2			
RZQG100L9V1B	RZQG100L8Y1B	2			P	4	3		2			P	4	3		4	3		2			P	4	3		2			P	2			2						P	4	3			
RZQG125L9V1B	RZQG125L8Y1B	2			P	4	3		2			P	4	3		4	3		2			P	4	3		2			P	2			2						P	4	3			
RZQG140L9V1B	RZQG140L7Y1B	2			P	4	3		2			P	4	3		4	3		2			P	4	3		2			P	2			2						P	4	3			

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

Notes
1. The capacities in the table are combined capacities (multiple units operating simultaneously) and not individual indoor unit capacities.
2. When combining multiple indoor units, designate the unit whose remote controller is equipped with the most functions as the master unit.
3. For the selection of the correct refnet kit, required to install a multi-combination, refer to the option list.

Twin : ·KHRQ22M20T· or ·KHRQ58T·
Triple : ·KHRQ127H· or ·KHRQ58H·
Double twin : ·KHRQ22M20T· or ·KHRQ58T·

3D076081H

6 Capacity tables

6 - 1 Cooling Capacity Tables

RZQG71L9V1B
RZQG71L8Y1B

Performance characteristics for ·EDP· room

Indoor			Outdoor temperature [°C DB]																																	
			-15			-10			-5			0			5			10			15			20			25			30			35			40		
			TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
RH [%]	°CWB	°CDB	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
54,5	11	16	4,81	3,98	0,34	4,81	3,98	0,36	4,81	3,98	0,37	4,81	3,98	0,39	4,81	3,98	0,41	4,81	3,98	0,43	4,81	3,98	0,46	4,81	3,98	0,48	5,90	5,25	0,98	5,85	5,22	1,09	5,80	5,20	1,19	5,76	5,17	1,30
41,8	11	18	4,81	4,67	0,34	4,81	4,67	0,36	4,81	4,67	0,37	4,81	4,67	0,39	4,81	4,67	0,41	4,81	4,67	0,43	4,81	4,67	0,46	4,81	4,67	0,48	5,90	5,90	0,98	5,85	5,85	1,09	5,80	5,80	1,19	5,76	5,76	1,30
57,0	13		6,02	5,05	0,37	6,02	5,05	0,41	6,02	5,05	0,45	6,02	5,05	0,50	6,02	5,05	0,52	6,02	5,05	0,55	6,02	5,05	0,57	6,02	5,05	0,64	7,49	5,89	0,99	7,23	5,75	1,10	6,96	5,61	1,20	6,70	5,47	1,31
31,4	11		4,81	4,81	0,34	4,81	4,81	0,36	4,81	4,81	0,37	4,81	4,81	0,39	4,81	4,81	0,41	4,81	4,81	0,43	4,81	4,81	0,46	4,81	4,81	0,48	5,90	5,90	0,98	5,85	5,85	1,09	5,80	5,80	1,19	5,76	5,76	1,30
44,9	13	20	6,02	6,02	0,37	6,02	6,02	0,41	6,02	6,02	0,45	6,02	6,02	0,50	6,02	6,02	0,52	6,02	6,02	0,55	6,02	6,02	0,57	6,02	6,02	0,64	7,49	7,00	0,99	7,23	6,81	1,10	6,96	6,60	1,20	6,70	6,37	1,31
52,0	14		6,62	5,76	0,38	6,62	5,76	0,44	6,62	5,76	0,50	6,62	5,76	0,55	6,62	5,76	0,58	6,62	5,76	0,60	6,62	5,76	0,63	6,62	5,76	0,72	8,15	6,56	0,99	7,74	6,36	1,10	7,34	6,15	1,20	6,93	5,93	1,31
22,9	11		4,81	4,81	0,34	4,81	4,81	0,36	4,81	4,81	0,37	4,81	4,81	0,39	4,81	4,81	0,41	4,81	4,81	0,43	4,81	4,81	0,46	4,81	4,81	0,48	5,90	5,90	0,98	5,85	5,85	1,09	5,80	5,80	1,19	5,76	5,76	1,30
34,8	13		6,02	6,02	0,37	6,02	6,02	0,41	6,02	6,02	0,45	6,02	6,02	0,50	6,02	6,02	0,52	6,02	6,02	0,55	6,02	6,02	0,57	6,02	6,02	0,64	7,49	7,49	0,99	7,23	7,23	1,10	6,96	6,96	1,20	6,70	6,70	1,31
47,6	15	22	7,22	6,06	0,39	7,22	6,06	0,46	7,22	6,06	0,54	7,22	6,06	0,61	7,22	6,06	0,63	7,22	6,06	0,66	7,22	6,06	0,69	7,22	6,06	0,79	8,41	7,00	1,00	7,99	6,80	1,11	7,58	6,60	1,21	7,16	6,37	1,32
54,3	16		7,82	5,71	0,41	7,82	5,71	0,49	7,82	5,71	0,58	7,82	5,71	0,66	7,82	5,71	0,69	7,82	5,71	0,72	7,82	5,71	0,75	7,82	5,71	0,87	8,68	6,54	1,00	8,25	6,35	1,11	7,83	6,14	1,21	7,40	5,92	1,32
21,2	12		5,41	5,41	0,36	5,41	5,41	0,38	5,41	5,41	0,41	5,41	5,41	0,44	5,41	5,41	0,46	5,41	5,41	0,49	5,41	5,41	0,52	5,41	5,41	0,56	6,70	6,70	0,99	6,54	6,54	1,10	6,38	6,38	1,20	6,23	6,23	1,31
32,1	14		6,62	6,62	0,38	6,62	6,62	0,44	6,62	6,62	0,50	6,62	6,62	0,55	6,62	6,62	0,58	6,62	6,62	0,60	6,62	6,62	0,63	6,62	6,62	0,72	8,15	8,15	0,99	7,74	7,74	1,10	7,34	7,34	1,20	6,93	6,93	1,31
43,8	16	24	7,82	6,57	0,41	7,82	6,57	0,49	7,82	6,57	0,58	7,82	6,57	0,66	7,82	6,57	0,69	7,82	6,57	0,72	7,82	6,57	0,75	7,82	6,57	0,87	8,68	7,45	1,00	8,25	7,26	1,11	7,83	7,04	1,21	7,40	6,82	1,32
50,0	17		8,10	6,08	0,43	8,10	6,08	0,51	8,10	6,08	0,60	8,10	6,08	0,68	8,10	6,08	0,70	8,10	6,08	0,73	8,10	6,08	0,75	8,10	6,08	0,88	8,96	6,99	1,00	8,53	6,80	1,11	8,09	6,59	1,21	7,66	6,37	1,32
21,5	14		6,62	6,62	0,38	6,62	6,62	0,44	6,62	6,62	0,50	6,62	6,62	0,55	6,62	6,62	0,58	6,62	6,62	0,60	6,62	6,62	0,63	6,62	6,62	0,72	8,15	8,15	0,99	7,74	7,74	1,10	7,34	7,34	1,20	6,93	6,93	1,31
26,3	15	27	7,22	7,22	0,39	7,22	7,22	0,46	7,22	7,22	0,54	7,22	7,22	0,61	7,22	7,22	0,63	7,22	7,22	0,66	7,22	7,22	0,69	7,22	7,22	0,79	8,41	8,41	1,00	7,99	7,99	1,11	7,58	7,58	1,21	7,16	7,16	1,32
31,3	16		7,82	7,82	0,41	7,82	7,82	0,49	7,82	7,82	0,58	7,82	7,82	0,66	7,82	7,82	0,69	7,82	7,82	0,72	7,82	7,82	0,75	7,82	7,82	0,87	8,68	8,68	1,00	8,25	8,25	1,11	7,83	7,83	1,21	7,40	7,40	1,32

Pair	FCAHG100H	FCAG100B	FAA100B	FVA100A	FHA100A	FUA100A	FBA100A
	FCQHG100F	FCQG100F	FAQ100C	FVQ100C	FHQ100C	FUQ100C	FBQ100D
Cooling	1,66	2,01	2,00	2,02	1,78	1,67	1,89

Twin	FCAG50B X 2	FHA50A9 X 2	FFA50A9 X 2	FDXM50F9 X 2	FBA50A9 X 2
	FCQG50F X 2	FHQ50C X 2	FFQ50C X 2	FDXS50F9 X 2	FBQ50D X 2
Cooling	2,04	2,34	2,02	2,23	2,02

Triple	FCAG35B X 3	FHA35A9 X 3	FFA35A9 X 3	FDXM35F9 X 3	FBA35A9 X 3
	FCQG35F X 3	FHQ35C X 3	FFQ35C X 3	FDXS35F X 3	FBQ35D X 3
Cooling	2,06	2,39	2,07	2,26	2,11

Symbols
TC: Maximum total cooling capacity [kW]
SHC: Sensible heat capacity [kW]
CPI: Coefficient of the power input
PI: Power input [kW]
compressor + indoor and outdoor fan motors
RH: Relative humidity [%]

Notes
1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. 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
3. ·CPI· is a percentage value compared to the rated value which is ·1.00·.
4. For ·EDP· applications, it is recommended to use remote controller setting ·16(26)-2-03·.
5. The error rate for this value is less than ·5·% and depends on the indoor unit type.
6. The rated power input for each model is mentioned in the table below.

3D098206D

RZQG100L9V1B
RZQG100L8Y1B

Performance characteristics for ·EDP· room

Indoor			Outdoor temperature [°C DB]																																	
			-15			-10			-5			0			5			10			15			20			25			30			35			40		
			TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
RH [%]	°CWB	°CDB	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
54,5	11	16	6,00	5,63	0,33	6,00	5,63	0,34	6,00	5,63	0,35	6,00	5,63	0,37	6,00	5,63	0,38	6,00	5,63	0,38	6,00	5,63	0,39	6,00	5,63	0,39	8,36	7,11	1,00	7,92	6,83	1,10	7,48	6,53	1,20	7,09	6,28	1,29
41,8	11	18	6,00	6,00	0,33	6,00	6,00	0,34	6,00	6,00	0,35	6,00	6,00	0,37	6,00	6,00	0,38	6,00	6,00	0,38	6,00	6,00	0,39	6,00	6,00	0,39	8,36	7,98	1,00	7,92	7,72	1,10	7,48	7,43	1,20	7,09	7,15	1,29
57,0	13		7,48	6,37	0,42	7,48	6,37	0,44	7,48	6,37	0,45	7,48	6,37	0,46	7,48	6,37	0,46	7,48	6,37	0,46	7,48	6,37	0,45	7,48	6,37	0,46	9,71	7,67	1,00	9,30	7,42	1,11	8,90	7,16	1,21	8,45	6,88	1,30
31,4	11		6,00	6,00	0,33	6,00	6,00	0,34	6,00	6,00	0,35	6,00	6,00	0,37	6,00	6,00	0,38	6,00	6,00	0,38	6,00	6,00	0,39	6,00	6,00	0,39	8,36	8,36	1,00	7,92	7,92	1,10	7,48	7,48	1,20	7,09	7,09	1,29
44,9	13	20	7,48	7,25	0,42	7,48	7,25	0,44	7,48	7,25	0,45	7,48	7,25	0,46	7,48	7,25	0,46	7,48	7,25	0,46	7,48	7,25	0,45	7,48	7,25	0,46	9,71	8,53	1,00	9,30	8,28	1,11	8,90	8,01	1,21	8,45	7,74	1,30
52,0	14		8,22	7,18	0,47	8,22	7,18	0,48	8,22	7,18	0,49	8,22	7,18	0,51	8,22	7,18	0,50	8,22	7,18	0,49	8,22	7,18	0,49	8,22	7,18	0,49	10,50	8,45	1,01	10,23	8,31	1,11	9,96	8,17	1,21	9,68	7,94	1,31
22,9	11		6,00	6,00	0,33	6,00	6,00	0,34	6,00	6,00	0,35	6,00	6,00	0,37	6,00	6,00	0,38	6,00	6,00	0,38	6,00	6,00	0,39	6,00	6,00	0,39	8,36	8,36	1,00	7,92	7,92	1,10	7,48	7,48	1,20	7,09	7,09	1,29
34,8	13		7,48	7,48	0,42	7,48	7,48	0,44	7,48	7,48	0,45	7,48	7,48	0,46	7,48	7,48	0,46	7,48	7,48	0,46	7,48	7,48	0,45	7,48	7,48	0,46	9,71	9,71	1,00	9,30	9,30	1,11	8,90	8,90	1,21	8,45	8,45	1,30
47,6	15	22	8,96	7,82	0,52	8,96	7,82	0,53	8,96	7,82	0,54	8,96	7,82	0,55	8,96	7,82	0,54	8,96	7,82	0,53	8,96	7,82	0,52	8,96	7,82	0,52	11,28	9,19	1,01	10,89	8,96	1,11	10,51	8,72	1,22	10,12	8,48	1,32
54,3	16		9,70	7,54	0,56	9,70	7,54	0,58	9,70	7,54	0,59	9,70	7,54	0,60	9,70	7,54	0,59	9,70	7,54	0,57	9,70	7,54	0,55	9,70	7,54	0,56	11,84	8,40	1,01	11,40	8,22	1,11	11,03	8,04	1,22	10,58	7,77	1,32
21,2	12		6,74	6,74	0,38	6,74	6,74	0,39	6,74	6,74	0,40	6,74	6,74	0,41	6,74	6,74	0,42	6,74	6,74	0,42	6,74	6,74	0,42	6,74	6,74	0,42	9,04	9,04	1,00	8,61	8,61	1,10	8,19	8,19	1,21	7,77	7,77	1,30
32,1	14	24	8,22	8,22	0,47	8,22	8,22	0,48	8,22	8,22	0,49	8,22	8,22	0,51	8,22	8,22	0,50	8,22	8,22	0,49	8,22	8,22	0,49	8,22	8,22	0,49	10,50	10,50	1,01	10,23	10,23	1,11	9,96	9,96	1,21	9,68	9,68	1,31
43,8	16		9,70	8,68	0,56	9,70	8,68	0,58	9,70	8,68	0,59	9,70	8,68	0,60	9,70	8,68	0,59	9,70	8,68	0,57	9,70	8,68	0,55	9,70	8,68	0,56	11,84	9,74	1,01	11,40	9,51	1,12	11,03	9,32	1,22	10,58	9,06	1,32
50,0	17		9,98	7,86	0,58	9,98	7,86	0,59	9,98	7,86	0,60	9,98	7,86	0,61	9,98	7,86	0,60	9,98	7,86	0,60	9,98	7,86	0,60	9,98	7,86	0,60	12,39	9,45	1,02	11,86	9,16	1,12	11,33	8,86	1,22	10,80	8,52	1,33
21,5	14		8,22	8,22	0,47	8,22	8,22	0,48	8,22	8,22	0,49	8,22	8,22	0,51	8,22	8,22	0,50	8,22	8,22	0,49	8,22	8,22	0,49	8,22	8,22	0,49	10,50	10,50	1,01	10,23	10,23	1,11	9,96	9,96	1,21	9,68	9,68	1,31
26,3	15	27	8,96	8,96	0,52	8,96	8,96	0,53	8,96	8,96	0,54	8,96	8,96	0,55	8,96	8,96	0,54	8,96	8,96	0,53	8,96	8,96	0,52	8,96	8,96	0,52	11,28	11,28	1,01	10,89	10,89	1,11	10,51	10,51	1,22	10,12	10,12	1,32
31,3	16		9,70	9,70	0,56	9,70	9,70	0,58	9,70	9,70	0,59	9,70	9,70	0,60	9,70	9,70	0,59	9,70	9,70	0,57	9,70	9,70	0,55	9,70	9,70	0,56	11,84	11,84	1,01	11,40	11,40	1,12	11,03	11,03	1,22	10,58	10,58	1,32

Pair	FCQHG140F	FCQG140F	FVQ140C	FHQ140C	FBQ140D
	FCAHG140H	FCAG140B	FVA140A	FHA140A	FBA140A
Cooling	2,15	2,45	2,49	2,30	2,49

Twin	FCQHG71F X 2	FCQG71F X 2	FHQ71C X 2	FUQ71C X 2	FAQ71C X 2	FBQ71D X 2
	FCAHG71H X 2	FCAG71B X 2	FHA71A9 X 2	FUA71A X 2	FAA71B X 2	FBA71A9 X 2
Cooling	2,14	2,35	2,94	2,34	2,64	2,83

Triple	FCQG50F X 3	FHQ50C X 3	FFQ50C X 3	FDXS50F9 X 3	FBQ50D X 3
	FCAG50B X 3	FHA50A9 X 3	FFA50A9 X 3	FDXM50F9 X 3	FBA50A9 X 3
Cooling	2,33	2,98	2,70	2,54	2,96

Double twin	FCQG35F X 4	FHQ35C X 4	FFQ35C X 4	FDXS35F X 4	FBQ35D X 4
	FCAG35B X 4	FHA35A9 X 4	FFA35A9 X 4	FDXM35F9 X 4	FBA35A9 X 4
Cooling	2,35	3,03	2,75	2,58	3,05

Symbols
TC: Maximum total cooling capacity [kW]
SHC: Sensible heat capacity [kW]
CPI: Coefficient of the power input
PI: Power input (compressor + indoor and outdoor fan motors)
RH: Relative humidity [%]

Notes
1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. The capacities are based on the following conditions:
Outdoor air: ·85% RH·
Corresponding refrigerant piping length: ·5.0· m
Level difference: ·0·m
3. For ·EDP· applications, it is recommended to use remote controller setting ·16(26)-2-03·.
4. ·CPI· is a percentage value compared to the rated value which is ·1.00·.
5. The error rate for this value is less than ·5·% and depends on the indoor unit type.
6. The rated power input for each model is mentioned in the table below.

3D098207D

6 Capacity tables

6 - 1 Cooling Capacity Tables

RZQG125L9V1B
RZQG125L8Y1B

Performance characteristics for ·EDP· room

Indoor			Outdoor temperature [°C DB]																																					
			-15			-10			-5			0			5			10			15			20			25			30			35			40		
			TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
RH [%]	°CWB	°CDB	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
54,5	11	16	7,49	6,72	0,33	7,49	6,72	0,34	7,49	6,72	0,35	7,49	6,72	0,36	7,49	6,72	0,37	7,49	6,72	0,38	7,49	6,72	0,38	7,49	6,72	0,38	10,25	8,55	0,98	9,71	8,21	1,08	9,17	7,86	1,18	8,69	7,55	1,27
41,8	11	18	7,49	7,49	0,33	7,49	7,49	0,34	7,49	7,49	0,35	7,49	7,49	0,36	7,49	7,49	0,37	7,49	7,49	0,38	7,49	7,49	0,38	7,49	7,49	0,38	10,25	9,60	0,98	9,71	9,28	1,08	9,17	8,94	1,18	8,69	8,60	1,27
57,0	13		9,34	7,60	0,42	9,34	7,60	0,43	9,34	7,60	0,44	9,34	7,60	0,45	9,34	7,60	0,45	9,34	7,60	0,45	9,34	7,60	0,45	9,34	7,60	0,45	11,91	9,22	0,99	11,41	8,92	1,09	10,91	8,61	1,19	10,37	8,28	1,28
31,4	11		7,49	7,49	0,33	7,49	7,49	0,34	7,49	7,49	0,35	7,49	7,49	0,36	7,49	7,49	0,37	7,49	7,49	0,38	7,49	7,49	0,38	7,49	7,49	0,38	10,25	10,25	0,98	9,71	9,71	1,08	9,17	9,17	1,18	8,69	8,69	1,27
44,9	13	20	9,34	8,65	0,42	9,34	8,65	0,43	9,34	8,65	0,44	9,34	8,65	0,45	9,34	8,65	0,45	9,34	8,65	0,45	9,34	8,65	0,45	9,34	8,65	0,45	11,91	10,27	0,99	11,41	9,96	1,09	10,91	9,64	1,19	10,37	9,31	1,28
52,0	14		10,27	8,56	0,46	10,27	8,56	0,47	10,27	8,56	0,49	10,27	8,56	0,50	10,27	8,56	0,49	10,27	8,56	0,49	10,27	8,56	0,48	10,27	8,56	0,48	12,88	10,16	0,99	12,54	10,00	1,09	12,21	9,83	1,19	11,87	9,55	1,29
22,9	11		7,49	7,49	0,33	7,49	7,49	0,34	7,49	7,49	0,35	7,49	7,49	0,36	7,49	7,49	0,37	7,49	7,49	0,38	7,49	7,49	0,38	7,49	7,49	0,38	10,25	10,25	0,98	9,71	9,71	1,08	9,17	9,17	1,18	8,69	8,69	1,27
34,8	13		9,34	9,34	0,42	9,34	9,34	0,43	9,34	9,34	0,44	9,34	9,34	0,45	9,34	9,34	0,45	9,34	9,34	0,45	9,34	9,34	0,45	9,34	9,34	0,45	11,91	11,91	0,99	11,41	11,41	1,09	10,91	10,91	1,19	10,37	10,37	1,28
47,6	15	22	11,20	9,34	0,51	11,20	9,34	0,52	11,20	9,34	0,53	11,20	9,34	0,55	11,20	9,34	0,54	11,20	9,34	0,52	11,20	9,34	0,51	11,20	9,34	0,51	13,83	11,06	0,99	13,36	10,78	1,09	12,88	10,49	1,20	12,41	10,20	1,29
54,3	16		12,12	9,00	0,55	12,12	9,00	0,57	12,12	9,00	0,58	12,12	9,00	0,59	12,12	9,00	0,58	12,12	9,00	0,56	12,12	9,00	0,54	12,12	9,00	0,55	14,51	10,10	1,00	13,98	9,89	1,10	13,52	9,67	1,20	12,98	9,35	1,30
21,2	12		8,42	8,42	0,37	8,42	8,42	0,38	8,42	8,42	0,39	8,42	8,42	0,41	8,42	8,42	0,41	8,42	8,42	0,41	8,42	8,42	0,41	8,42	8,42	0,41	11,08	11,08	0,98	10,56	10,56	1,08	10,04	10,04	1,19	9,53	9,53	1,27
32,1	14	24	10,27	10,27	0,46	10,27	10,27	0,47	10,27	10,27	0,49	10,27	10,27	0,50	10,27	10,27	0,49	10,27	10,27	0,49	10,27	10,27	0,48	10,27	10,27	0,48	12,88	12,88	0,99	12,54	12,54	1,09	12,21	12,21	1,19	11,87	11,87	1,29
43,8	16		12,12	10,35	0,55	12,12	10,35	0,57	12,12	10,35	0,58	12,12	10,35	0,59	12,12	10,35	0,58	12,12	10,35	0,56	12,12	10,35	0,54	12,12	10,35	0,55	14,51	11,71	1,00	13,98	11,44	1,10	13,52	11,21	1,20	12,98	10,90	1,30
50,0	17		12,47	9,38	0,57	12,47	9,38	0,58	12,47	9,38	0,59	12,47	9,38	0,60	12,47	9,38	0,59	12,47	9,38	0,59	12,47	9,38	0,59	12,47	9,38	0,59	15,20	11,36	1,00	14,54	11,02	1,10	13,89	10,66	1,20	13,24	10,25	1,31
21,5	14		10,27	10,27	0,46	10,27	10,27	0,47	10,27	10,27	0,49	10,27	10,27	0,50	10,27	10,27	0,49	10,27	10,27	0,49	10,27	10,27	0,48	10,27	10,27	0,48	12,88	12,88	0,99	12,54	12,54	1,09	12,21	12,21	1,19	11,87	11,87	1,29
26,3	15	27	11,20	11,20	0,51	11,20	11,20	0,52	11,20	11,20	0,53	11,20	11,20	0,55	11,20	11,20	0,54	11,20	11,20	0,52	11,20	11,20	0,51	11,20	11,20	0,51	13,83	13,83	0,99	13,36	13,36	1,09	12,88	12,88	1,20	12,41	12,41	1,29
31,3	16		12,12	12,12	0,55	12,12	12,12	0,57	12,12	12,12	0,58	12,12	12,12	0,59	12,12	12,12	0,58	12,12	12,12	0,56	12,12	12,12	0,54	12,12	12,12	0,55	14,51	14,51	1,00	13,98	13,98	1,10	13,52	13,52	1,20	12,98	12,98	1,30

Pair	FCQHG140F FCAHG140H	FCQG140F FCAG140B	FVQ140C FVA140A	FHQ140C FHA140A	FBQ140D FBA140A
Cooling	3,05	3,23	3,74	3,41	3,63

Twin	FCQHG71F X 2 FCAHG71H X 2	FCQG71F X 2 FCAG71B X 2	FHQ71C X 2 FHA71A9 X 2	FUQ71C X 2 FUA71A X 2	FAQ71C X 2 FAA71B X 2	FBQ71D X 2 FBA71A9 X 2
Cooling	2,97	3,17	3,67	3,44	3,69	4.10

Triple	FCQG50F X 3 FCAG50B X 3	FHQ50C X 3 FHA50A9 X 3	FFQ50C X 3 FFA50A9 X 3	FDXS50F9 X 3 FDXM50F9 X 3	FBQ50D X 3 FBA50A9 X 3
Cooling	3,17	3,66	3,23	3,46	3,97

Double twin	FCQG35F X 4 FCAG35B X 4	FHQ35C X 4 FHA35A9 X 4	FFQ35C X 4 FFA35A9 X 4	FDXS35F X 4 FDXM35F9 X 4	FBQ35D X 4 FBA35A9 X 4
Cooling	3,23	3,64	3,01	3,94	3,74

Symbols
TC: Maximum total cooling capacity [kW]
SHC: Sensible heat capacity [kW]
CPI: Coefficient of the power input
PI: Power input [kW]
compressor + indoor and outdoor fan motors
RH: Relative humidity [%]

Notes
1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. The capacities are based on the following conditions:
Outdoor air: ·85% RH·
Corresponding refrigerant piping length: ·5.0· m
Level difference: ·0·m
3. For ·EDP· applications, it is recommended to use remote controller setting ·16(26)-2-03·.
4. ·CPI· is a percentage value compared to the rated value which is ·1.00·.
5. The error rate for this value is less than ·5·% and depends on the indoor unit type.
6. The rated power input for each model is mentioned in the table below.

3D098208D

RZQG140L9V1B
RZQG140L8Y1B

Performance characteristics for ·EDP· room

Indoor			Outdoor temperature [°C DB]																																					
			-15			-10			-5			0			5			10			15			20			25			30			35			40		
			TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
RH [%]	°CWB	°CDB	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
54,5	11	16	8,24	7,27	0,32	8,24	7,27	0,33	8,24	7,27	0,34	8,24	7,27	0,35	8,24	7,27	0,37	8,24	7,27	0,37	8,24	7,27	0,37	8,24	7,27	0,38	10,95	8,87	0,96	10,37	8,51	1,06	9,79	8,15	1,16	9,28	7,83	1,25
41,8	11	18	8,24	8,24	0,32	8,24	8,24	0,33	8,24	8,24	0,34	8,24	8,24	0,35	8,24	8,24	0,37	8,24	8,24	0,37	8,24	8,24	0,37	8,24	8,24	0,38	10,95	9,96	0,96	10,37	9,62	1,06	9,79	9,27	1,16	9,28	8,92	1,25
57,0	13		10,28	8,22	0,41	10,28	8,22	0,42	10,28	8,22	0,43	10,28	8,22	0,45	10,28	8,22	0,45	10,28	8,22	0,44	10,28	8,22	0,44	10,28	8,22	0,44	12,72	9,56	0,97	12,18	9,25	1,07	11,65	8,93	1,17	11,07	8,58	1,26
31,4	11		8,24	8,24	0,32	8,24	8,24	0,33	8,24	8,24	0,34	8,24	8,24	0,35	8,24	8,24	0,37	8,24	8,24	0,37	8,24	8,24	0,37	8,24	8,24	0,38	10,95	10,95	0,96	10,37	10,37	1,06	9,79	9,79	1,16	9,28	9,28	1,25
44,9	13	20	10,28	9,35	0,41	10,28	9,35	0,42	10,28	9,35	0,43	10,28	9,35	0,45	10,28	9,35	0,45	10,28	9,35	0,44	10,28	9,35	0,44	10,28	9,35	0,44	12,72	10,64	0,97	12,18	10,33	1,07	11,65	10,00	1,17	11,07	9,65	1,26
52,0	14		11,30	9,26	0,45	11,30	9,26	0,47	11,30	9,26	0,48	11,30	9,26	0,49	11,30	9,26	0,49	11,30	9,26	0,48	11,30	9,26	0,47	11,30	9,26	0,47	13,75	10,53	0,97	13,40	10,36	1,07	13,04	10,19	1,17	12,68	9,90	1,27
22,9	11		8,24	8,24	0,32	8,24	8,24	0,33	8,24	8,24	0,34	8,24	8,24	0,35	8,24	8,24	0,37	8,24	8,24	0,37	8,24	8,24	0,37	8,24	8,24	0,38	10,95	10,95	0,96	10,37	10,37	1,06	9,79	9,79	1,16	9,28	9,28	1,25
34,8	13		10,28	10,28	0,41	10,28	10,28	0,42	10,28	10,28	0,43	10,28	10,28	0,45	10,28	10,28	0,45	10,28	10,28	0,44	10,28	10,28	0,44	10,28	10,28	0,44	12,72	12,72	0,97	12,18	12,18	1,07	11,65	11,65	1,17	11,07	11,07	1,26
47,6	15	22	12,32	10,10	0,50	12,32	10,10	0,51	12,32	10,10	0,52	12,32	10,10	0,54	12,32	10,10	0,53	12,32	10,10	0,51	12,32	10,10	0,50	12,32	10,10	0,50	14,77	11,47	0,98	14,26	11,18	1,08	13,76	10,88	1,18	13,25	10,57	1,27
54,3	16		13,33	9,73	0,54	13,33	9,73	0,56	13,33	9,73	0,57	13,33	9,73	0,58	13,33	9,73	0,57	13,33	9,73	0,55	13,33	9,73	0,53	13,33	9,73	0,54	15,50	10,47	0,98	14,93	10,25	1,08	14,44	10,03	1,18	13,86	9,69	1,28
21,2	12		9,26	9,26	0,37	9,26	9,26	0,38	9,26	9,26	0,39	9,26	9,26	0,40	9,26	9,26	0,41	9,26	9,26	0,41	9,26	9,26	0,41	9,26	9,26	0,41	11,83	11,83	0,97	11,28	11,28	1,07	10,72	10,72	1,17	10,17	10,17	1,25
32,1	14	24	11,30	11,30	0,45	11,30	11,30	0,47	11,30	11,30	0,48	11,30	11,30	0,49	11,30	11,30	0,49	11,30	11,30	0,48	11,30	11,30	0,47	11,30	11,30	0,47	13,75	13,75	0,97	13,40	13,40	1,07	13,04	13,04	1,17	12,68	12,68	1,27
43,8	16		13,33	11,20	0,54	13,33	11,20	0,56	13,33	11,20	0,57	13,33	11,20	0,58	13,33	11,20	0,57	13,33	11,20	0,55	13,33	11,20	0,53	13,33	11,20	0,54	15,50	12,14	0,98	14,93	11,86	1,08	14,44	11,62	1,18	13,86	11,30	1,28
50,0	17		13,72	10,15	0,56	13,72	10,15	0,57	13,72	10,15	0,58	13,72	10,15	0,59	13,72	10,15	0,58	13,72	10,15	0,58	13,72	10,15	0,58	13,72	10,15	0,58	16,23	11,78	0,98	15,53	11,43	1,08	14,83	11,06	1,18	14,14	10,63	1,29
21,5	14		11,30	11,30	0,45	11,30	11,30	0,47	11,30	11,30	0,48	11,30	11,30	0,49	11,30	11,30	0,49	11,30	11,30	0,48	11,30	11,30	0,47	11,30	11,30	0,47	13,75	13,75	0,97	13,40	13,40	1,07	13,04	13,04	1,17	12,68	12,68	1,27
26,3	15	27	12,32	12,32	0,50	12,32	12,32	0,51	12,32	12,32	0,52	12,32	12,32	0,54	12,32	12,32	0,53	12,32	12,32	0,51	12,32	12,32	0,50	12,32	12,32	0,50	14,77	14,77	0,98	14,26	14,26	1,08	13,76	13,76	1,18	13,25	13,25	1,27
31,3	16		13,33	13,33	0,54	13,33	13,33	0,56	13,33	13,33	0,57	13,33	13,33	0,58	13,33	13,33	0,57	13,33	13,33	0,55	13,33	13,33	0,53	13,33	13,33	0,54	15,50	15,50	0,98	14,93	14,93	1,08	14,44	14,44	1,18	13,86	13,86	1,28

Pair	FCQHG140F FCAHG140H	FCQG140F FCAG140B	FVQ140C FVA140A	FHQ140C FHA140A	FBQ140D FBA140A
Cooling	4,00	4,17	4,17	4,05	4,00

Twin	FCQHG71F X 2 FCAHG71H X 2	FCQG71F X 2 FCAG71B X 2	FHQ71C X 2 FHA71A9 X 2	FUQ71C X 2 FUA71A X 2	FAQ71C X 2 FAA71B X 2	FBQ71D X 2 FBA71A9 X 2
Cooling	3,94	4,11	3,59	3,35	3,81	3,75

Triple	FCQG50F X 3 FCAG50B X 3	FHQ50C X 3 FHA50A9 X 3	FFQ50C X 3 FFA50A9 X 3	FDXS50F9 X 3 FDXM50F9 X 3	FBQ50D X 3 FBA50A9 X 3
Cooling	4,12	4,25	4,15	4,26	3,75

Double twin	FCQG35F X 4 FCAG35B X 4	FHQ35C X 4 FHA35A9 X 4	FFQ35C X 4 FFA35A9 X 4	FDXS35F X 4 FDXM35F9 X 4	FBQ35D X 4 FBA35A9 X 4
Cooling	4,18	4,23	3,83	5,38	3,75

Symbols
TC: Maximum total cooling capacity [kW]
SHC: Sensible heat capacity [kW]
CPI: Coefficient of the power input
PI: Power input [kW]
compressor + indoor and outdoor fan motors
RH: Relative humidity [%]

Notes
1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. The capacities are based on the following conditions:
Outdoor air: ·85% RH·
Corresponding refrigerant piping length: ·5.0· m
Level difference: ·0·m
3. For ·EDP· applications, it is recommended to use remote controller setting ·16(26)-2-03·.
4. ·CPI· is a percentage value compared to the rated value which is ·1.00·.
5. The error rate for this value is less than ·5·% and depends on the indoor unit type.
6. The rated power input for each model is mentioned in the table below.

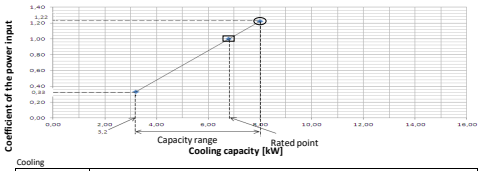
3D098209C

6 Capacity tables

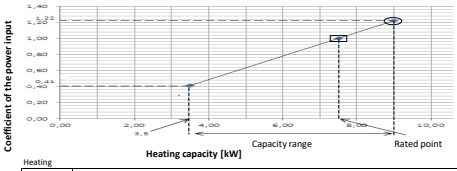
6 - 2 Cooling/Heating Capacity Tables

RZQG71L9V1B
RZQG71L8V1B

Cooling



Heating



Cooling

Indoor		Outdoor temperature [°C DB]											
		25			30			35			40		
		TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
[°C WB]	[°C DB]	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
16,0	22	8,03	5,45	1,00	7,76	5,32	1,11	7,48	5,20	1,21	7,21	5,06	1,32
18,0	25	8,40	5,45	1,00	8,11	5,32	1,11	7,83	5,19	1,22	7,54	5,05	1,33
19,0	27	8,59	5,44	1,01	8,30	5,32	1,12	**8,00**	**5,18**	**1,22**	7,70	5,05	1,33
19,5	27	8,68	5,43	1,01	8,39	5,31	1,12	8,09	5,17	1,22	7,79	5,05	1,33
22,0	30	9,15	5,38	1,01	8,84	5,25	1,12	8,52	5,13	1,23	8,21	4,99	1,34
24,0	32	9,53	5,31	1,03	9,20	5,19	1,13	8,87	5,06	1,25	8,54	4,92	1,35

Heating

Indoor	Outdoor temperature [°C WB]											
	-15		-10		-5		0		6		10	
	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
[°C DB]	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

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ○ = Maximum at standard conditions
   □ = Rated capacity and rated coefficient of the power input
   The maximum capacity is not guaranteed except at standard conditions.
3. ·SHC· is based on indoor units ·EWB & EDB·.
   ·SHC· for other dry-bulb temperatures ·EWB+SHC*·.
   SHC* = ·SHC· correction for other dry-bulb temperatures
   = 0.02 x AFR (m³/min) x (1-BF) x (DB* - EDB)
4. 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
5. ·CPI· is a percentage value compared to the rated value which is ·1.00·.
6. The error rate for this value is less than ·5·% and depends on the indoor unit type.
7. The heating performance takes into account the drop that occurs during defrost operation.
8. The air flow rate and bypass factor are mentioned in the table.
9. The rated power input for each model is mentioned in the table below.

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

Pair	FCQHG71F FCAHG71H	FCQG71F FCAG71B	FBQ71C	FHQG71C	FAQ71C FAA71B	FVQ71C FVA71A	FUQ71C FUA71A	FBQ71D FBA71A9
AFR (BF)	21.2 (0.2)	21.5 (0.14)	18.0 (0.08)	20.5 (0.13)	18.0 (0.16)	18.0 (0.16)	23.0(0.24)	18.0 (0.13)

Twin	FCQG35F X 2 FCAG35B X 2	FBQ35C X 2	FHQ35CB X 2 FHA35A9 X 2	FFQ35C X 2 FFA35A9 X 2	FDXS35F X 2 FDXM35F9 X 2	FBQ35D X 2 FBA35A9 X 2
AFR (BF)	12.5 x 2 (0.4 x 2)	16 x2 (0.15 x 2)	14 x 2 (0.17 x 2)	10 x 2 (0.25 x 2)	8,7 x 2 (0.17 x 2)	15 x 2 (0.08 x 2)

Pair	FCQHG71F FCAHG71H	FCQG71F FCAG71B	FBQ71C	FHQG71C	FAQ71C FAA71B	FVQ71C FVA71A	FHQ71CB FHA71A9	FUQ71C FUA71A	FBQ71D FBA71A9
Cooling	1,66	2,01	1,94	1,78	2,00	2,02	1,78	1,67	1,89
Heating	1,56	1,89	2,05	1,82	2,03	2,06	1,82	1,68	1,87

Twin	FCQG35F X 2 FCAG35B X 2	FBQ35C X 2	FHQ35CB X 2 FHA35A9 X 2	FFQ35C X 2 FFA35A9 X 2	FDXS35F X 2 FDXM35F9 X 2	FBQ35D X 2 FBA35A9 X 2	FNQ35A X 2 FNA35A9 X 2
Cooling	2,04	1,98	2,34	2,02	2,23	2,01	2,23
Heating	1,92	2,16	2,70	1,88	2,55	2,08	2,55

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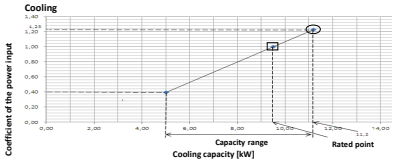
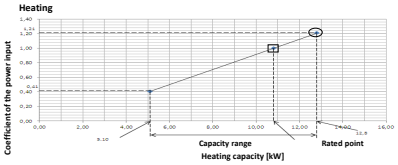
RZQG100L9V1B
RZQG100L8Y1B

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

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ○ = Maximum at standard conditions
   □ = Rated capacity and rated coefficient of the power input
   The maximum capacity is not guaranteed except at standard conditions.
3. ·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)
4. 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
5. ·CPI· is a percentage value compared to the rated value which is ·1.00·.
6. The error rate for this value is less than ·5·% and depends on the indoor unit type.
7. The heating performance takes into account the drop that occurs during defrost operation.
8. The air flow rate and bypass factor are mentioned in the table.
9. The rated power input for each model is mentioned in the table below.

Cooling

Indoor		Outdoor temperature [°C DB]											
		25			30			35			40		
		TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
[°C WB]	[°C DB]	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
16,0	22,0	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	25,0	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	27,0	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	27,0	12,15	7,59	1,02	11,74	7,37	1,13	11,43	7,34	1,23	10,91	7,04	1,34
22,0	30,0	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	32,0	13,30	7,42	1,03	12,88	7,27	1,14	12,40	7,06	1,25	11,97	6,91	1,36

Heating

Indoor	Outdoor temperature [°C WB]											
	-15		-10		-5		0		6		10	
	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
[°C DB]	kW	-	kW	-	kW	-	kW	-	kW	-	kW	-
16	8,58	0,92	9,45	0,98	10,1	1,02	10,4	1,05	12,8	1,11	13,8	1,18
18	8,57	0,97	9,44	1,02	10,0	1,06	10,3	1,09	12,8	1,16	13,8	1,23
20	8,56	1,00	9,43	1,06	10,0	1,11	10,3	1,13	**12,8**	**1,21**	13,8	1,27
21	8,56	1,02	9,42	1,08	10,0	1,12	10,3	1,15	12,8	1,23	13,8	1,30
22	8,55	1,04	9,42	1,10	10,0	1,14	10,3	1,18	12,8	1,26	13,8	1,32
24	8,54	1,08	9,41	1,14	10,0	1,19	10,3	1,22	12,8	1,31	13,8	1,37

Pair	FCAHG100H FCQHG100F	FCAG100B FCQG100F	FBQ100C	FHQG100C	FAA100B FAQ100C	FVA100A FVQ100C	FHA100A FHQ100CB	FUA100A FUQ100C	FBA100A FBQ100D
AFR (BF)	32.3 (0.17)	32.0 (0.17)	32.0 (0.13)	20.0 (0.09)	26.0 (0.10)	28.0 (0.20)	28.0 (0.09)	31.0 (0.20)	29.0 (0.08)

Twin	FCAG50B X 2 FCQG50F X 2	FBQ50C X 2	FHA50A9 X 2 FHQ50CB X 2	FFA50A9 X 2 FFQ50C X 2	FDXM50F9 X 2 FDXS50F9 X 2	FBA50A9 X 2 FBQ50D X 2	FNA50A9 X 2 FNQ50A X 2
AFR (BF)	12.6 x 2 (0.22 x 2)	16 x2 (0.16 x 2)	15 x 2 (0.18 x 2)	12.7 x 2 (0.16 x 2)	16 x 2 (0.11 x 2)	15 x 3 (0.13 x 2)	16 x 2 (0.11 x 2)

Triple	FCAG35B X 3 FCQG35F X 3	FBQ35C X 3	FHA35A9 X 3 FHQ35CB X 3	FFA35A9 X 3 FFQ35C X 3	FDXM35F9 X 3 FDXS35F X 3	FBA35A9 X 3 FBQ35D X 3	FNA35A9 X 3 FNQ35A X 3
AFR (BF)	12.5 x 3 (0.4 x 3)	16 x3 (0.15 x 3)	14 x 3 (0.17 x 3)	10 x 3 (0.25 x 3)	8.7 x 3 (0.17 x 3)	15 x 3 (0.08 x 3)	8.7 x 3 (0.17 x 3)

Pair	FCAHG100H FCQHG100F	FCAG100B FCQG100F	FBQ100C	FHQG100C	FAA100B FAQ100C	FVA100A FVQ100C	FHA100A FHQ100CB	FBA100A FBQ100D
Cooling	2,15	2,45	2,44	2,49	2,63	2,49	2,30	2,49
Heating	2,16	2,60	2,57	2,60	3,00	2,61	2,60	2,45

Twin	FCAG50B X 2 FCQG50F X 2	FBQ50C X 2	FHA50A9 X 2 FHQ50CB X 2	FFA50A9 X 2 FFQ50C X 2	FDXM50F9 X 2 FDXS50F9 X 2	FBA50A9 X 2 FBQ50D X 2	FNA50A9 X 2 FNQ50A X 2
Cooling	2,32	2,51	2,93	2,65	2,51	2,87	2,51
Heating	2,46	2,86	3,28	2,89	2,96	2,73	2,96

Triple	FCAG35B X 3 FCQG35F X 3	FBQ35C X 3	FHA35A9 X 3 FHQ35CB X 3	FFA35A9 X 3 FFQ35C X 3	FDXM35F9 X 3 FDXS35F X 3	FBA35A9 X 3 FBQ35D X 3	FNA35A9 X 3 FNQ35A X 3
Cooling	2,38	2,51	2,91	2,45	2,81	2,68	2,81
Heating	2,51	2,86	3,20	2,59	3,68	2,70	3,68

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6 Capacity tables

6 - 2 Cooling/Heating Capacity Tables

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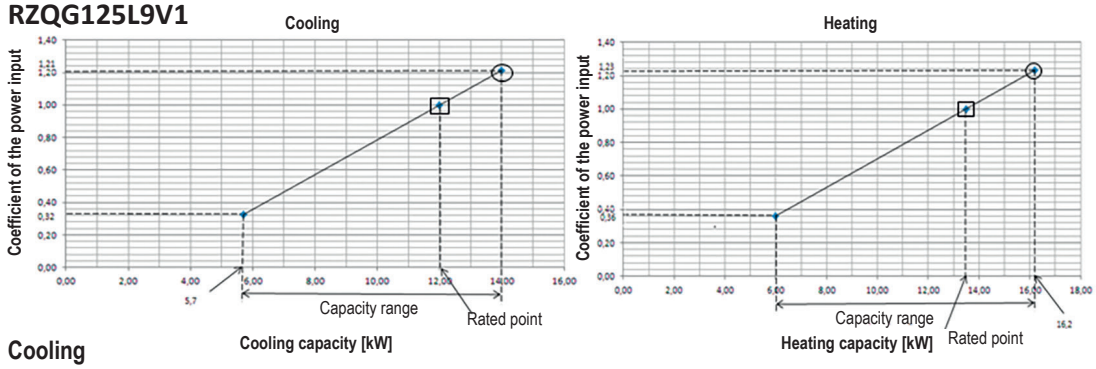
RZQG125L9V1



Cooling

Indoor		Outdoor temperature [°C DB]											
		25			30			35			40		
		TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
°CWB	°CDB	kW	kW	–	kW	kW	–	kW	kW	–	kW	kW	–
16.0	22	14.10	9.54	1.00	13.60	9.30	1.10	13.10	9.12	1.20	12.60	8.78	1.31
18.0	25	14.70	9.50	1.00	14.20	9.32	1.10	13.70	9.09	1.21	13.20	8.83	1.32
19.0	27	15.00	9.52	1.01	14.50	9.34	1.11	**14.00**	**9.06**	**1.21**	13.50	8.87	1.32
19.5	27	15.21	9.52	1.01	14.68	9.26	1.12	14.15	9.08	1.21	13.64	8.81	1.32
22.0	30	16.00	9.39	1.01	15.47	9.14	1.12	14.90	8.95	1.23	14.38	8.74	1.33
24.0	32	16.70	9.31	1.02	16.10	9.09	1.13	15.50	8.83	1.24	14.97	8.63	1.34

Heating

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
°CDB	kW	–	kW	–	kW	–	kW	–	kW	–	kW	–
16	11.0	0.94	12.1	1.00	12.9	1.03	13.2	1.06	16.2	1.13	17.5	1.20
18	11.0	0.98	12.1	1.03	12.9	1.08	13.2	1.11	16.2	1.18	17.5	1.25
20	11.0	1.02	12.0	1.08	12.9	1.13	13.2	1.15	**16.2**	**1.23**	17.5	1.30
21	11.0	1.04	12.0	1.10	12.8	1.14	13.2	1.17	16.2	1.25	17.5	1.32
22	11.0	1.06	12.0	1.12	12.8	1.16	13.2	1.20	16.2	1.28	17.4	1.34
24	11.0	1.10	12.0	1.16	12.8	1.21	13.2	1.24	16.2	1.33	17.4	1.39

NOTES

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ◯ = Maximum at standard conditions
   □ = Rated capacity and rated coefficient of the power input
   The maximum capacity is not guaranteed except at standard conditions.
3. ·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)
4. 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
5. ·CPI· is a percentage value compared to the rated value which is ·1.00·.
6. The error rate for this value is less than ·5·% and depends on the indoor unit type.
7. The heating performance takes into account the drop that occurs during defrost operation.
8. The air flow rate and bypass factor are mentioned in the table.

Pair	FCAHG125G / FCQHG125F	FCAG125A / FCQG125F	FBQ125C	FHQG125C	FDA125A / FDQ125C	FVA125A / FVQ125C	FHA125A / FHQ125CB	FUA125A / FUQ125C	FBA125A / FBQ125D
"AFR (BF)"	"33.5 (0.19)"	"33.0 (0.21)"	"39.0 (0.16)"	"31.0 (0.134)"	"39.0 (0.16)"	"28.0 (0.16)"	"31.0 (0.14)"	"32.5 (0.19)"	"34.0 (0.06)"

Twin	FCAG60A X 2 / FCQG60F X 2	FBQ60C X 2	FHA60A X 2 / FHQ60CB X 2	FFA60A X 2 / FFQ60C X 2	FDXM60F3 X 2 / FDXS60F X 2	FBA60A X 2 / FBQ60D X 2	FNA60A X 2 / FNQ60A X 2
"AFR (BF)"	"13.6 x 2 (0.2 x 2)"	"18 x 2 (0.15 x 2)"	"19.5 x 2 (0.20 x 2)"	"14.5 x 2 (0.11 x 2)"	"16 x 2 (0.12 x 2)"	"18 x 2 (0.18 x 2)"	"16 x 2 (0.12 x 2)"

Triple	FCAG50A X 3 / FCQG50F X 3	FBQ50C X 3	FHA50A X 3 / FHQ50CB X 3	FFA50A X 3 / FFQ50C X 3	FDXM50F3 X 3 / FDXS50F9 X 3	FBA50A X 3 / FBQ50D X 3	FNA50A X 3 / FNQ50A X 3
"AFR (BF)"	"12.6 x 3 (0.22 x 3)"	"16 x3 (0.16 x 3)"	"15 x 3 (0.18 x 3)"	"12.7 x 3 (0.16 x 3)"	"16 x 3 (0.11 x 3)"	"15 x 3 (0.13 x 3)"	"16 x 3 (0.11 x 3)"

Double twin	FCAG35A X 4 / FCQG35F X 4	FBQ35C X 4	FHA35A X 4 / FHQ35CB X 4	FFA35A X 4 / FFQ35C X 4	FDXM35F3 X 4 / FDXS35F X 4	FBA35A X 4 / FBQ35D X 4	FNA35A X 4 / FNQ35A X 4
"AFR (BF)"	"12.5 x 4 (0.4 x 4)"	"16 x4 (0.15 x 4)"	"14 x 4 (0.17 x 4)"	"10 x 4 (0.25 x 4)"	"8.7 x 4 (0.17 x 4)"	"15 x 4 (0.08 x 4)"	"8.7 x 4 (0.17 x 4)"

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

Pair	FCAHG125G / FCQHG125F	FCAG125A / FCQG125F	FBQ125C	FHQG125C	FDA125A / FDQ125C	FVA125A / FVQ125C	FHA125A / FHQ125CB	FUA125A / FUQ125C	FBA125A / FBQ125D
Cooling	3.05	3.23	3.15	3.58	3.20	3.74	3.41	3.44	3.63
Heating	3.07	3.72	3.53	3.48	3.53	3.65	3.48	3.86	3.46

Twin	FCAG60A X 2 / FCQG60F X 2	FBQ60C X 2	FHA60A X 2 / FHQ60CB X 2	FFA60A X 2 / FFQ60C X 2	FDXM60F3 X 2 / FDXS60F X 2	FBA60A X 2 / FBQ60D X 2	FNA60A X 2 / FNQ60A X 2
Cooling	3.14	3.28	3.67	3.61	3.75	4.10	3.75
Heating	3.64	3.74	4.11	4.10	4.20	3.85	4.20

Triple	FCAG50A X 3 / FCQG50F X 3	FBQ50C X 3	FHA50A X 3 / FHQ50CB X 3	FFA50A X 3 / FFQ50C X 3	FDXM50F3 X 3 / FDXS50F9 X 3	FBA50A X 3 / FBQ50D X 3	FNA50A X 3 / FNQ50A X 3
Cooling	3.17	3.28	3.66	3.23	3.45	3.97	3.45
Heating	3.66	3.74	4.10	3.55	3.61	3.81	3.61

Double twin	FCAG35A X 4 / FCQG35F X 4	FBQ35C X 4	FHA35A X 4 / FHQ35CB X 4	FFA35A X 4 / FFQ35C X 4	FDXM35F3 X 4 / FDXS35F X 4	FBA35A X 4 / FBQ35D X 4	FNA35A X 4 / FNQ35A X 4
Cooling	3.23	3.28	3.64	3.01	3.94	3.74	3.94
Heating	3.72	3.74	4.00	3.30	4.45	3.78	4.45

10. Editable data for this drawing are available in the ·GDE (E-BOM)· system.

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

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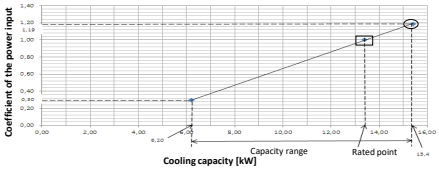
6 Capacity tables

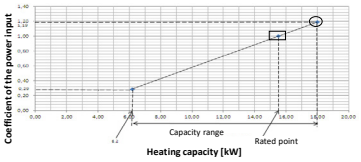
6 - 2 Cooling/Heating Capacity Tables

RZQG140L9V1B
RZQG140L8Y1B

Cooling



Heating



Cooling

Indoor		Outdoor temperature [°C DB]											
		25			30			35			40		
		TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
[°C WB]	[°C DB]	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
16,0	22	15,50	10,47	0,98	14,93	10,25	1,08	14,44	10,03	1,18	13,86	9,69	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	16,56	10,43	0,99	15,96	10,18	1,09	**15,40**	**9,98**	**1,19**	14,83	9,76	1,30
19,5	27	16,74	10,49	0,99	16,14	10,16	1,10	15,57	10,00	1,19	14,98	9,66	1,30
22,0	30	17,61	10,37	0,99	17,01	10,16	1,10	16,36	9,83	1,21	15,76	9,60	1,31
24,0	32	18,38	10,20	1,00	17,72	10,00	1,11	17,04	9,67	1,22	16,43	9,47	1,32

Heating

Indoor	Outdoor temperature [°C WB]											
	-15		-10		-5		0		6		10	
[°C DB]	kW	-	kW	-	kW	-	kW	-	kW	-	kW	-
	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
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	13,5	1,09	13,9	1,11	**18,0**	**1,19**	19,4	1,25
21	11,5	1,00	12,7	1,06	13,5	1,11	13,9	1,13	18,0	1,21	19,4	1,28
22	11,5	1,02	12,7	1,08	13,5	1,12	13,9	1,16	18,0	1,24	19,4	1,30
24	11,5	1,07	12,6	1,12	13,5	1,17	13,9	1,20	18,0	1,29	19,4	1,35

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
1. The ratings shown are net capacities which include a correction for indoor fan motor heat.
2. ○ = Maximum at standard conditions
□ = Rated capacity and rated coefficient of the power input
The maximum capacity is not guaranteed except at standard conditions.
3. ·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)
4. 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
5. ·CPI· is a percentage value compared to the rated value which is ·1.00·.
6. The error rate for this value is less than ·5·% and depends on the indoor unit type.
7. The heating performance takes into account the drop that occurs during defrost operation.
8. The air flow rate and bypass factor are mentioned in the table.
9. The rated power input for each model is mentioned in the table below.

Pair	FCQHG140F	FCQG140F	FBQ140C	FHQG140C	FVQ140C	FHQ140CB	FBQ140D
	FCAHG140H	FCAG140B			FVA140A	FHA140A	FBA140A
AFR	33.5	33.0	39:C/41:H	34.0	30.0	34.0	34.0
(BF)	(0.15)	(0.23)	(0.14)	(0.17)	(0.18)	(0.17)	(0.06)

Pair	FCQHG140F	FCQG140F	FBQ140C	FHQG140C	FVQ140C	FHQ140CB	FBQ140D
	FCAHG140H	FCAG140B			FVA140A	FHA140A	FBA140A
Cooling	4,00	4,17	4,02	4,05	4,17	4,05	4,00
Heating	3,77	4,30	4,30	4,27	4,30	4,27	4,31

Twin	FCQHG71F X 2	FCQG71F X 2	FBQ71C X 2	FHQG71C X 2	FAQ71C X 2	FHQ71CB X 2	FUQ71C X 2	FBQ71D X 2
	FCAHG71H X 2	FCAG71B X 2			FAA71B X 2	FHA71A9 X 2	FUA71A X 2	FBA71A9 X 2
AFR	21.2 x 2	21.5 x 2	18.0 x 2	20.5 x 2	18.0 x 2	20.5 x 2	23.0 x 2	18.0 x 2
(BF)	(0.2 x2)	(0.14 x 2)	(0.08 x 2)	(0.13 x 2)	(0.16 x 2)	(0.13 x 2)	(0.24 x2)	(0.13 x2)

Twin	FCQHG71F X 2	FCQG71F X 2	FBQ71C X 2	FHQG71C X 2	FAQ71C X 2	FHQ71CB X 2	FUQ71C X 2	FBQ71D X 2
	FCAHG71H X 2	FCAG71B X 2			FAA71B X 2	FHA71A9 X 2	FUA71A X 2	FBA71A9 X 2
Cooling	3,94	4,11	3,75	3,59	3,81	3,59	3,35	3,75
Heating	3,71	4,24	4,70	4,47	4,68	4,47	4,36	4,70

Triple	FCQG50F X 3	FBQ50C X 3	FHQ50CB X 3	FFQ50C X 3	FDXS50F9 X 3	FBQ50D X 3	FNQ50A X 3
	FCAG50B X 3		FHA50A9 X 3	FFA50A9 X 3	FDXM50F9 X 3	FBA50A9 X 3	FNA50A9 X 3
AFR	12.6 x 3	16 x3	15 x 3	12.7 x 3	16 x 3	15 x 3	16 x 3
(BF)	(0.22 x 3)	(0.16 x 3)	(0.18 x 3)	(0.16 x 3)	(0.11 x 3)	(0.13 x 3)	(0.11 x 3)

Triple	FCQG50F X 3	FBQ50C X 3	FHQ50CB X 3	FFQ50C X 3	FDXS50F9 X 3	FBQ50D X 3	FNQ50A X 3
	FCAG50B X 3		FHA50A9 X 3	FFA50A9 X 3	FDXM50F9 X 3	FBA50A9 X 3	FNA50A9 X 3
Cooling	4,12	3,75	4,25	4,15	4,26	3,75	4,26
Heating	4,24	4,70	5,43	4,15	4,37	4,70	4,37

Double twin	FCQG35F X 4	FBQ35C X 4	FHQ35CB X 4	FFQ35C X 4	FDXS35F X 4	FBQ35D X 4	FNQ35A X 4
	FCAG35B X 4		FHA35A9 X 4	FFA35A9 X 4	FDXM35F9 X 4	FBA35A9 X 4	FNA35A9 X 4
AFR	12.5 x 4	16 x4	14 x 4	10 x 4	8.7 x 4	15 x 4	8.7 x 4
(BF)	(0.4 x 4)	(0.15 x 4)	(0.20 x 4)	(0.25 x 4)	(0.17 x 4)	(0.08 x 4)	(0.17 x 4)

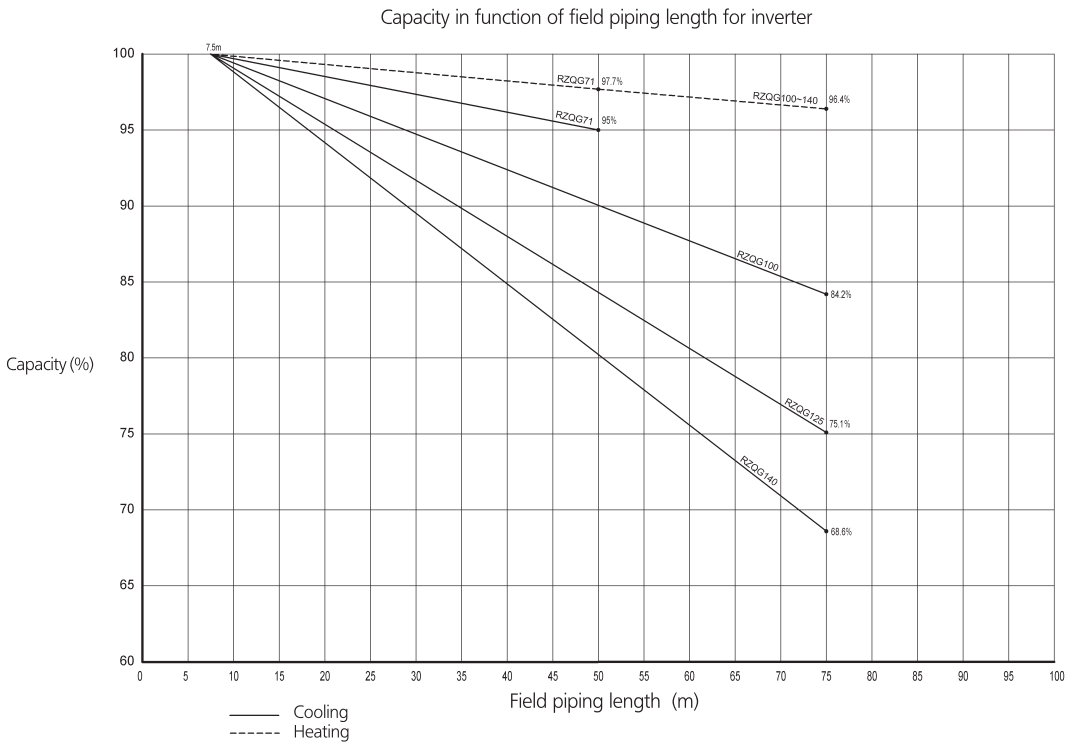
Double twin	FCQG35F X 4	FBQ35C X 4	FHQ35CB X 4	FFQ35C X 4	FDXS35F X 4	FBQ35D X 4	FNQ35A X 4
	FCAG35B X 4		FHA35A9 X 4	FFA35A9 X 4	FDXM35F9 X 4	FBA35A9 X 4	FNA35A9 X 4
Cooling	4,18	3,75	4,23	3,83	5,38	3,75	5,38
Heating	4,30	4,70	5,33	3,81	5,85	4,70	5,85

3D076751J

6 Capacity tables

6 - 3 Capacity Correction Factor

RZQG-L(8)Y1
RZQG-L9V1



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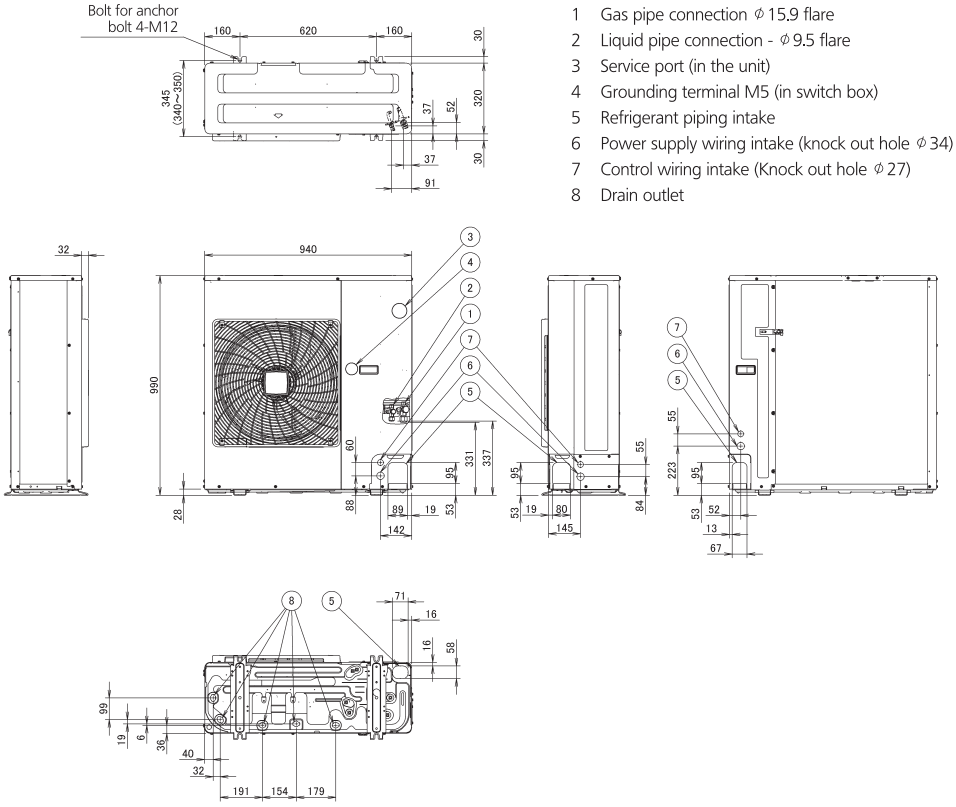
7 Dimensional drawings

7 - 1 Dimensional Drawings

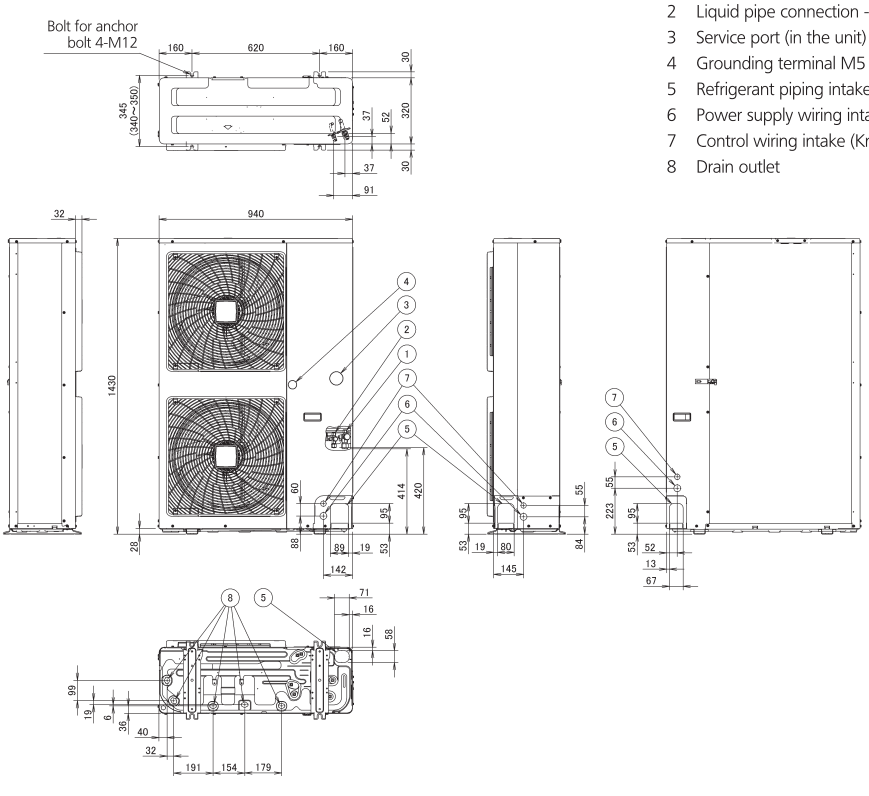
RZQG71L8Y1B
RZQG71L9V1B



1 Gas pipe connection ϕ15.9 flare
2 Liquid pipe connection - ϕ9.5 flare
3 Service port (in the unit)
4 Grounding terminal M5 (in switch box)
5 Refrigerant piping intake
6 Power supply wiring intake (knock out hole ϕ34)
7 Control wiring intake (Knock out hole ϕ27)
8 Drain outlet

3D076345

RZQG100-140L(8)Y1
RZQG100-140L9V1



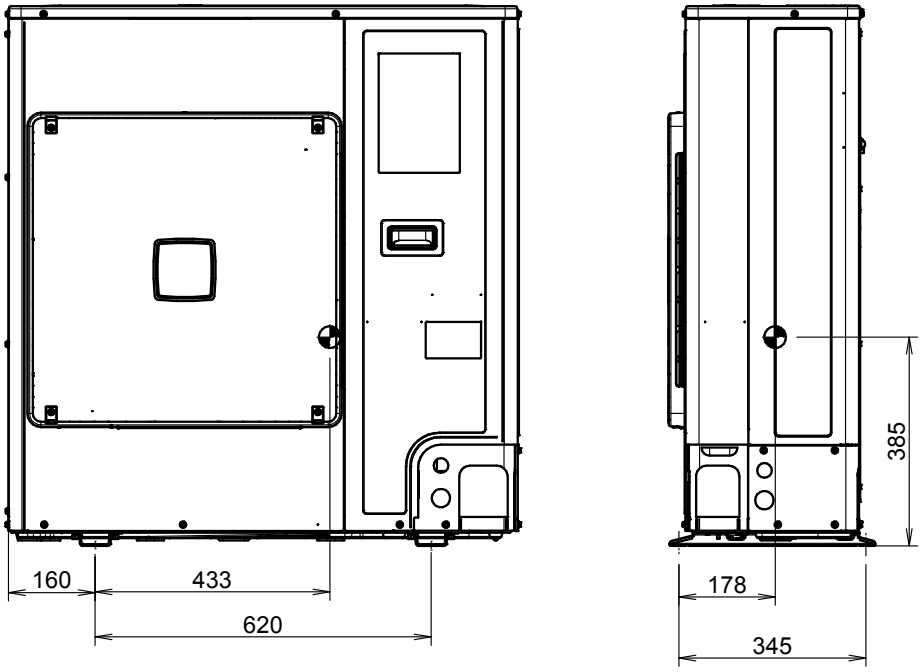
1 Gas pipe connection ϕ15.9 flare
2 Liquid pipe connection - ϕ9.5 flare
3 Service port (in the unit)
4 Grounding terminal M5 (in switch box)
5 Refrigerant piping intake
6 Power supply wiring intake (knock out hole ϕ34)
7 Control wiring intake (Knock out hole ϕ27)
8 Drain outlet

3D076346

8 Centre of gravity

8 - 1 Centre of Gravity

RZQG71L9V1



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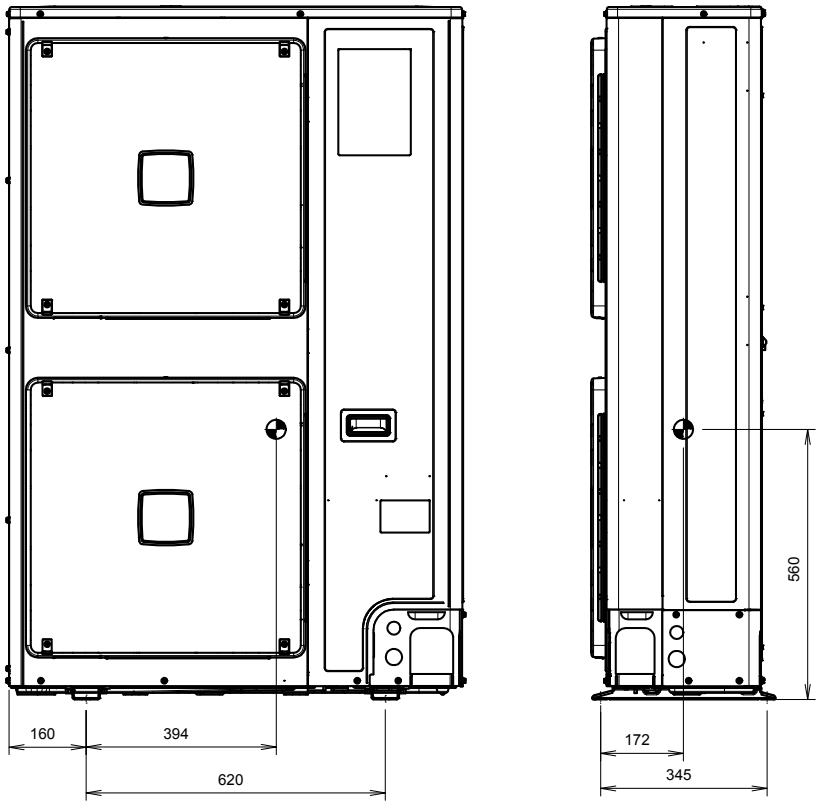
8 Centre of gravity

8 - 1 Centre of Gravity

RZQG100-140L9V1



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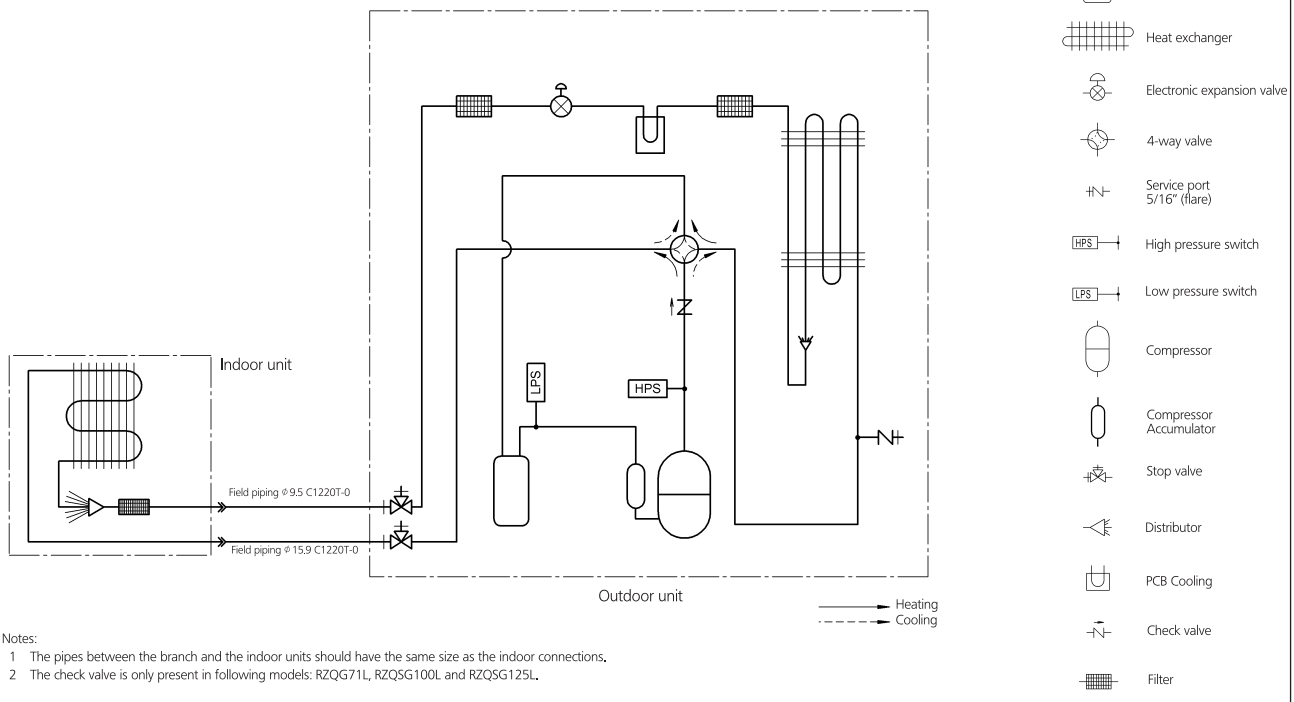
9 Piping diagrams

9 - 1 Piping Diagrams

RZQG-L9V1
Pair application



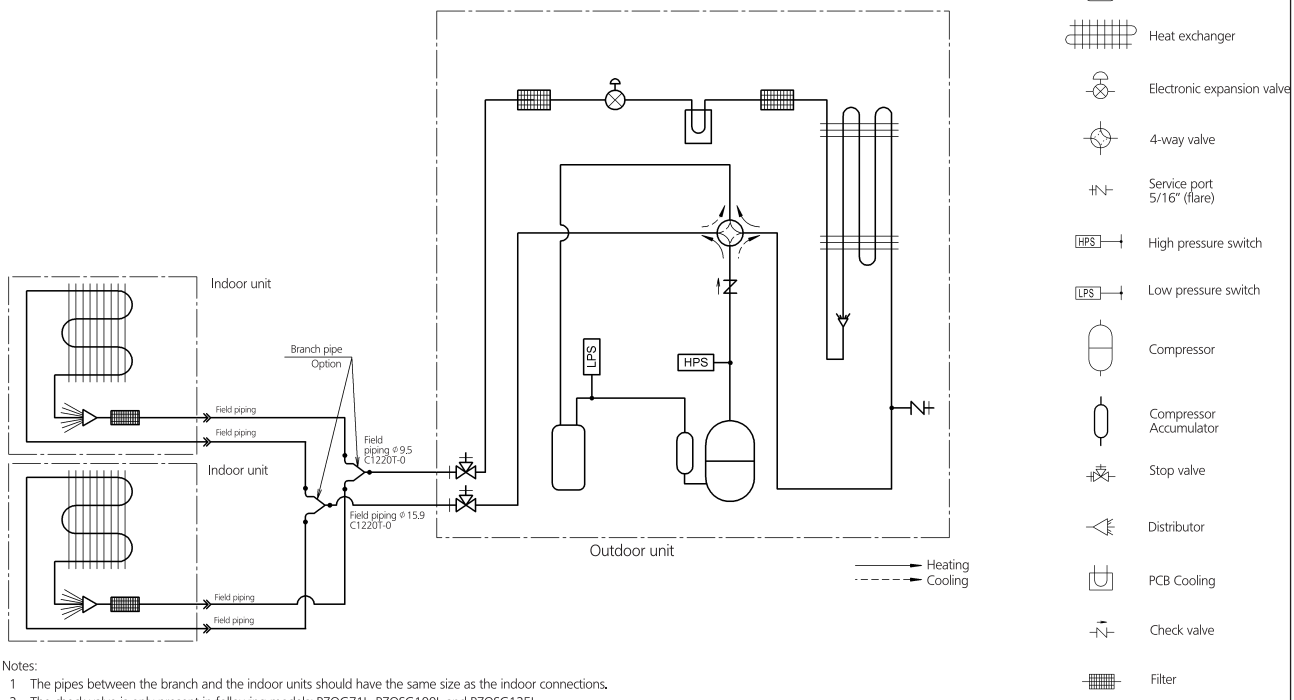
Notes:
1 The pipes between the branch and the indoor units should have the same size as the indoor connections.
2 The check valve is only present in following models: RZQG71L, RZQSG100L and RZQSG125L.

3D090340

9 Piping diagrams

9 - 2 Piping Diagram Twin Application

RZQG-L9V1
Twin application



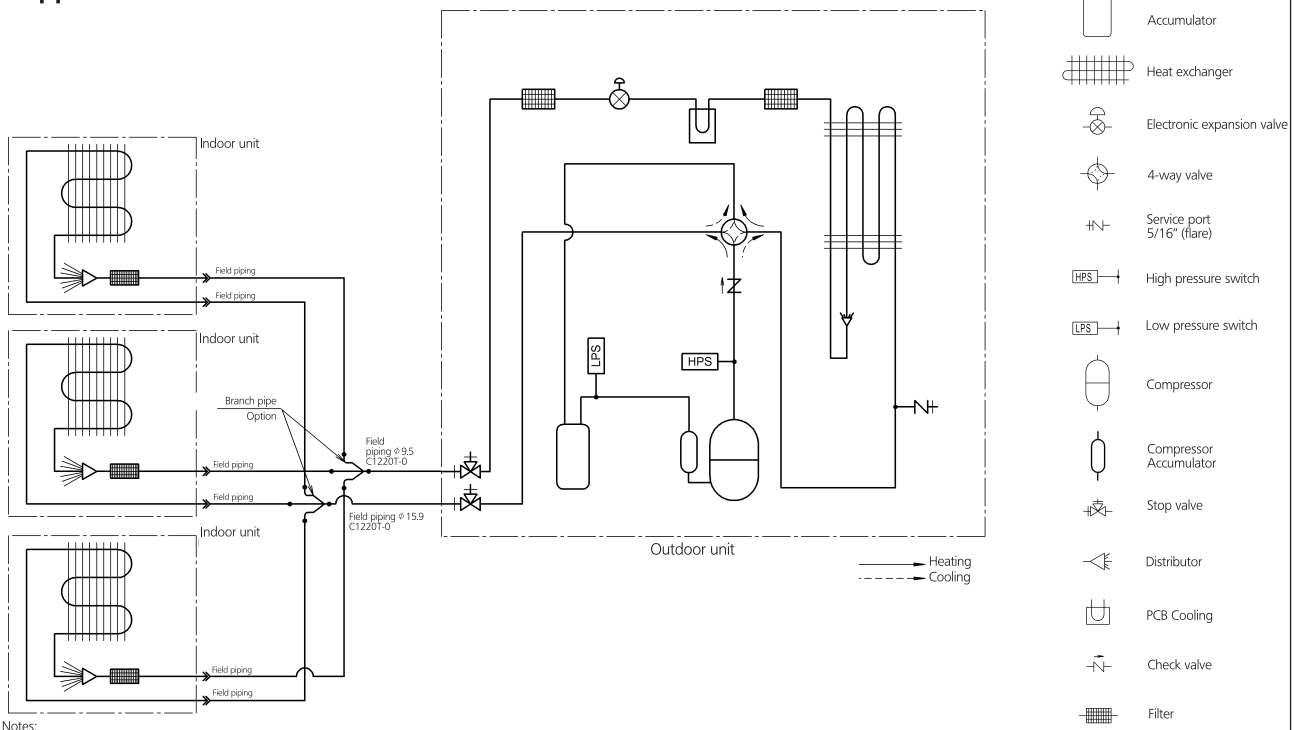
Notes:
1 The pipes between the branch and the indoor units should have the same size as the indoor connections.
2 The check valve is only present in following models: RZQG71L, RZQSG100L and RZQSG125L.

3D090341

9 Piping diagrams

9 - 3 Piping Diagram Triple Application

RZQG100-140L9V1
Triple application



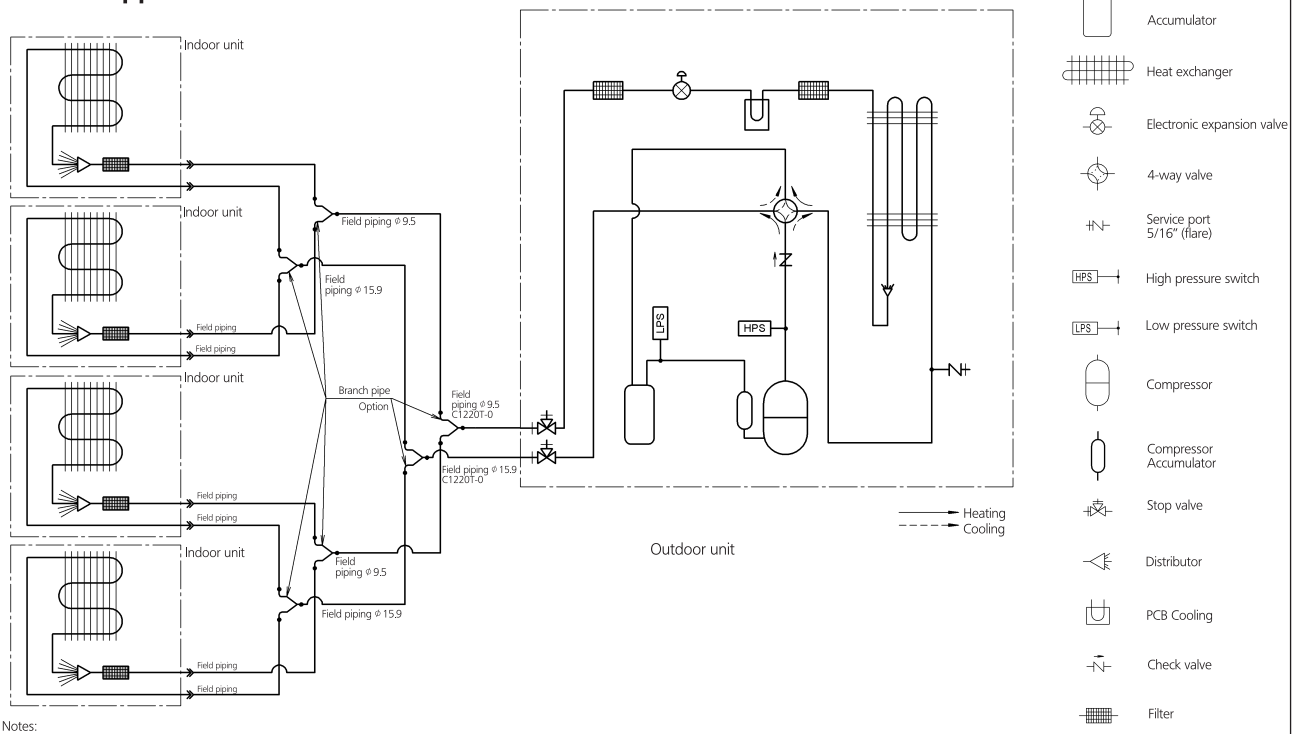
Notes:
1 The pipes between the branch and the indoor units should have the same size as the indoor connections.
2 The check valve is only present in following models: RZQSG100L and RZQSG125L.

3D090342

9 Piping diagrams

9 - 4 Piping Diagram Double Twin Application

RZQG125-140L9V1
Double twin application



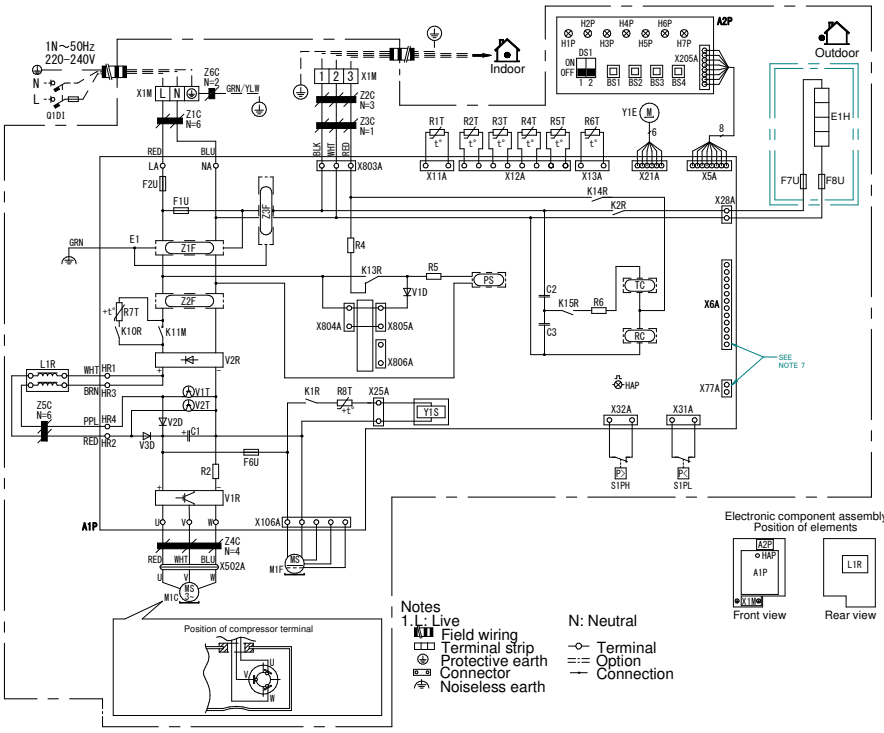
Notes:
1 The pipes between the branch and the indoor units should have the same size as the indoor connections.
2 The check valve is only present in following models: RZQSG100L and RZQSG125L.

3D090343

10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

RZQG71L9V1



A1P	Printed circuit board (main)
A2P	Printed circuit board
BS1 ~ BS4	Push-button switch
C1 ~ C3	Capacitor
DS1	DIP switch
E1H	Bottom plate heater (option)
F1U ~ F2U	Fuse
F6U	Fuse ·(T 3.15A / 250V)·
F7U ~ F8U	Fuse ·(F 1.0A / 250V)·
H1P ~ H7P	Light-emitting diode (service monitor is orange)
HAP	Light-emitting diode (service monitor is green)
K1R	Magnetic relay ·(Y1S)·
K2R, K10R	Magnetic relay
K11M	Magnetic contactor
K13R~K15R	Magnetic relay
L1R	Reactor
M1C	Motor (compressor)
M1F	Motor (fan)
PS	Switching power supply
Q1DI	Earth leakage circuit breaker ·(30mA)·
R2, R5, R6	Resistor
R1T	Thermistor (air)
R2T	Thermistor (discharge)
R3T	Thermistor (suction)
R4T	Thermistor (heat exchanger)
R5T	Thermistor (heat exchanger middle)
R6T	Thermistor (liquid)
R7T ~ R8T	See note ·8·.
RC	Signal receiver circuit
S1PH	High pressure switch
S1PL	Low pressure switch
TC	Signal transmission circuit
V1D ~ V3D	Diode
V1R	IGBT power module
V2R	Diode module
V1T ~ V2T	Insulated Gate Bipolar Transistor (IGBT)
X1M	Terminal strip
Y1E	Electronic expansion valve
Y1S	Solenoid valve (4-way valve)
Z1C ~ Z6C	Noise filter (ferrite core)
Z1F ~ Z3F	Noise filter

2. Colours: blk:black; red:red; blu:blue; wht:white; grn:green; ylw:yellow; brn:brown; ppl:purple
3. This wiring diagram applies only to the outdoor unit.
4. Refer to the wiring diagram sticker (on the back of the front plate) for how to use the ·BS1 - BS4· and ·DS1· switches.
5. When operating, do not short-circuit protection device(s) ·S1PH, S1PL·.
6. Refer to the service manual for instructions on how to set the selector switches (DS1). The factory setting of all switches is OFF.
7. Refer to the combination table and the option manual for how to connect the wiring to ·X6A·, ·X28A· and ·X77A·.
8. Thermistor (Positive Temperature Coefficient)

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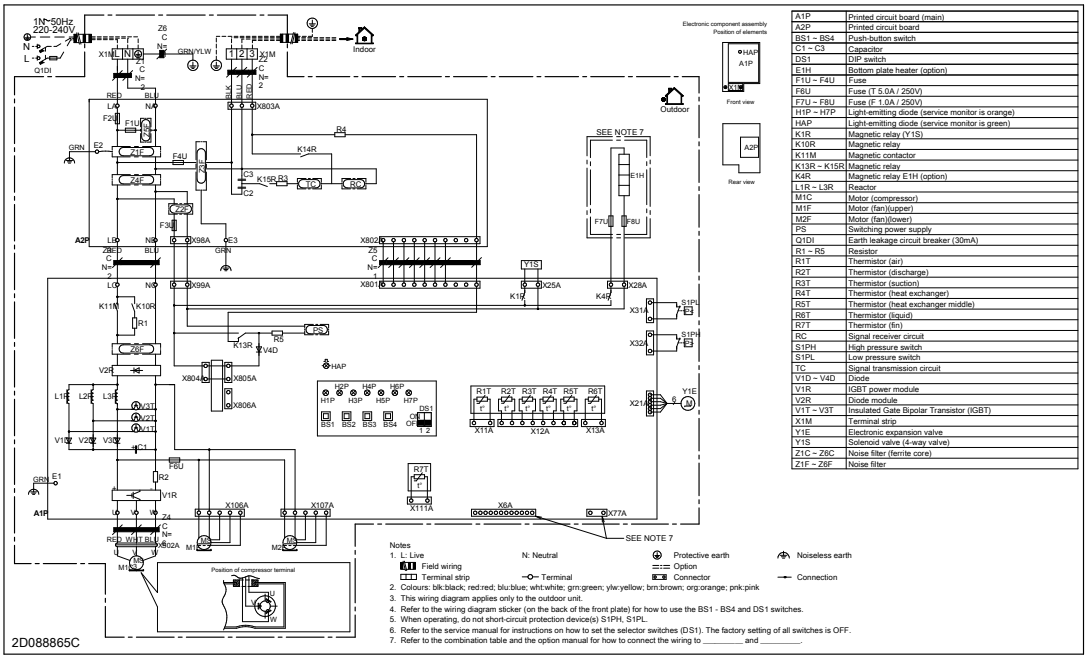
RZQG100-140L9V1



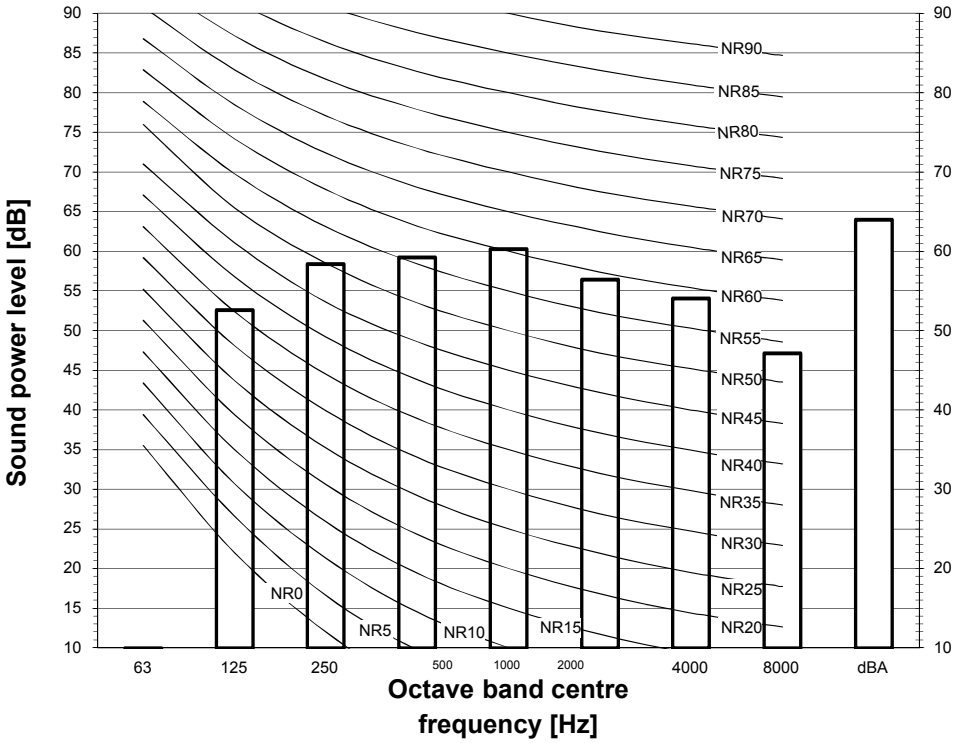
A1P	Printed circuit board (main)
A2P	Printed circuit board
BS1 ~ BS4	Push-button switch
C1 ~ C3	Capacitor
DS1	DIP switch
E1H	Bottom plate heater (option)
F1U ~ F4U	Fuse
F6U	Fuse (T 5.0A / 250V)
F7U ~ F8U	Fuse (F 1.0A / 250V)
H1P ~ H7P	Light-emitting diode (service monitor is orange)
HAP	Light-emitting diode (service monitor is green)
K1R	Magnetic relay (Y1S)
K10R	Magnetic relay
K11M	Magnetic contactor
K13R ~ K15R	Magnetic relay
K4R	Magnetic relay E1H (option)
L1R ~ L3R	Reactor
M1C	Motor (compressor)
M1F	Motor (fan)(upper)
M2F	Motor (fan)(lower)
PS	Switching power supply
Q1DI	Earth leakage circuit breaker (30mA)
R1 ~ R5	Resistor
R1T	Thermistor (air)
R2T	Thermistor (discharge)
R3T	Thermistor (suction)
R4T	Thermistor (heat exchanger)
R5T	Thermistor (heat exchanger middle)
R6T	Thermistor (liquid)
R7T	Thermistor (fin)
RC	Signal receiver circuit
S1PH	High pressure switch
S1PL	Low pressure switch
TC	Signal transmission circuit
V1D ~ V4D	Diode
V1R	IGBT power module
V2R	Diode module
V1T ~ V3T	Insulated Gate Bipolar Transistor (IGBT)
X1M	Terminal strip
Y1E	Electronic expansion valve
Y1S	Solenoid valve (4-way valve)
Z1C ~ Z6C	Noise filter (ferrite core)
Z1F ~ Z6F	Noise filter

2D088865C

11 Sound data

11 - 1 Sound Power Spectrum

RZQG71L9V1



Notes

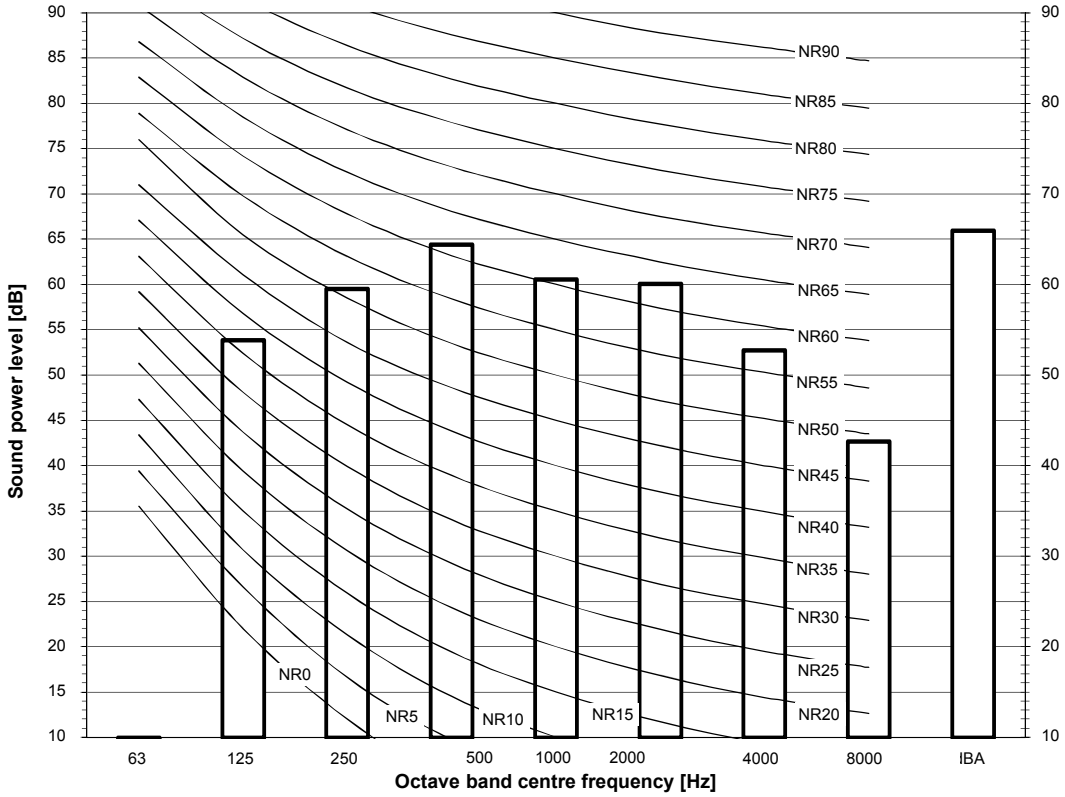
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6µW/m²
- Measured according to ISO 3744

3D090847A

11 Sound data

11 - 1 Sound Power Spectrum

RZQG100L9V1



Notes

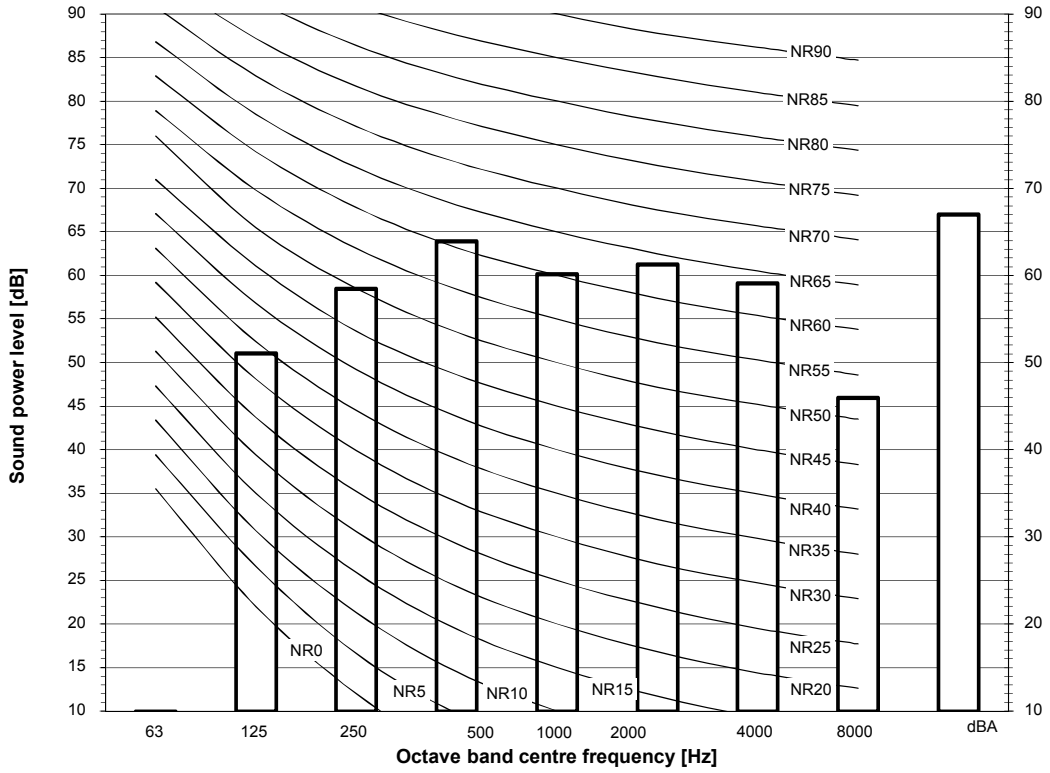
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6µW/m²
- Measured according to ISO 3744

3D090848A

11 Sound data

11 - 1 Sound Power Spectrum

RZQG125L9V1



Notes

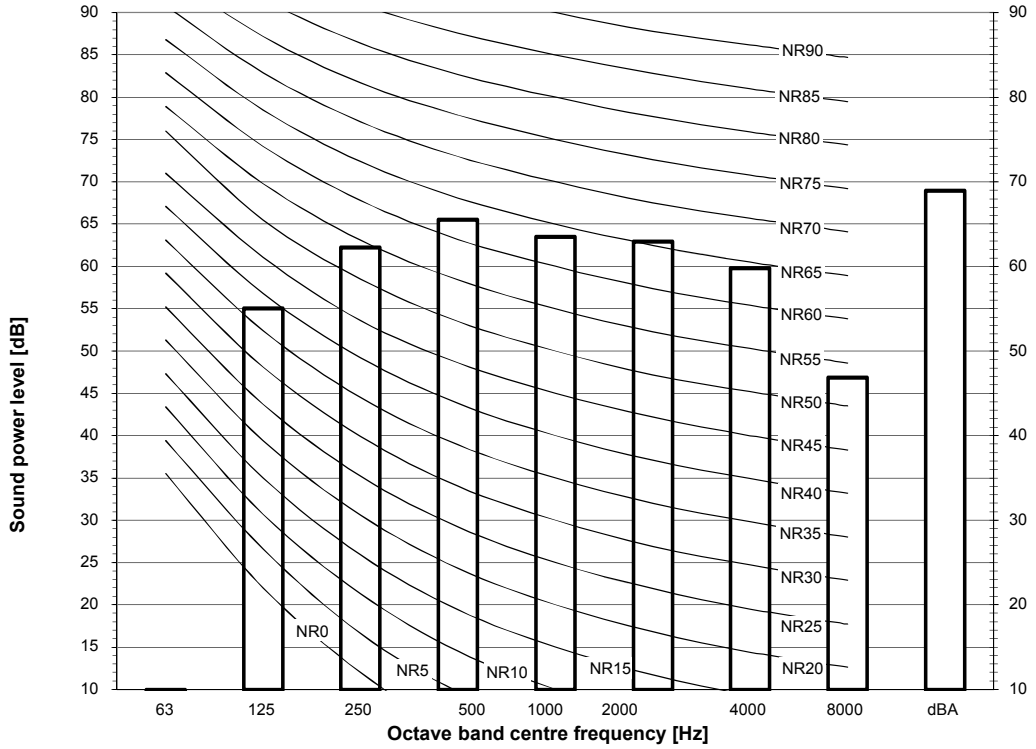
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6µW/m²
- Measured according to ISO 3744

3D090849A

11 Sound data

11 - 1 Sound Power Spectrum

RZQG140L9V1



Notes

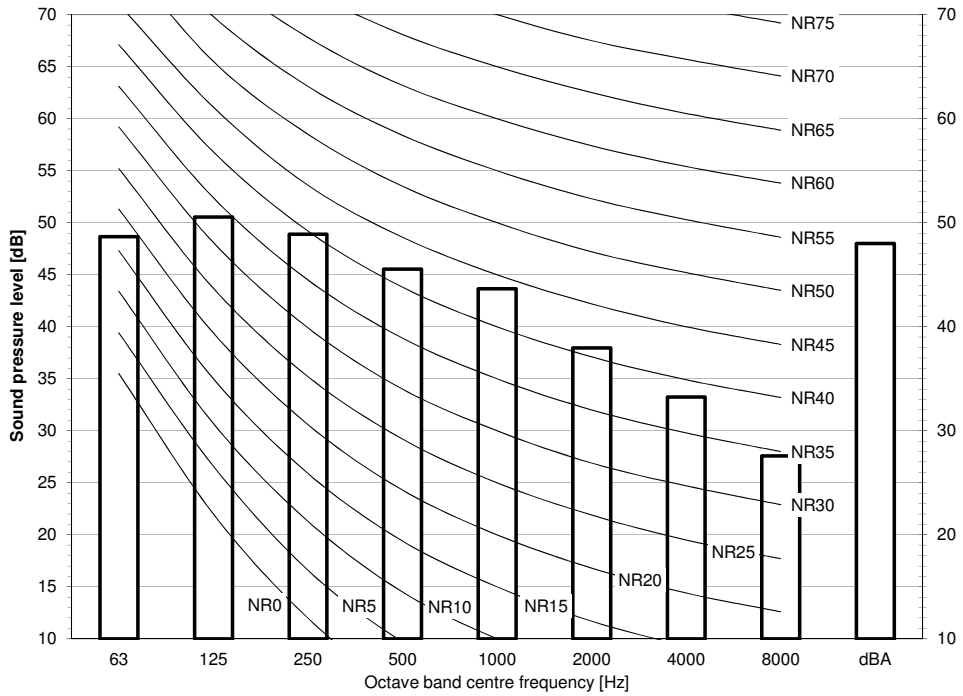
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6µW/m²
- Measured according to ISO 3744

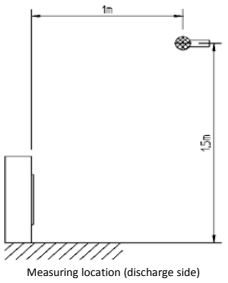
3D090850A

11 Sound data

11 - 2 Sound Pressure Spectrum - Cooling

RZQG71L9V1

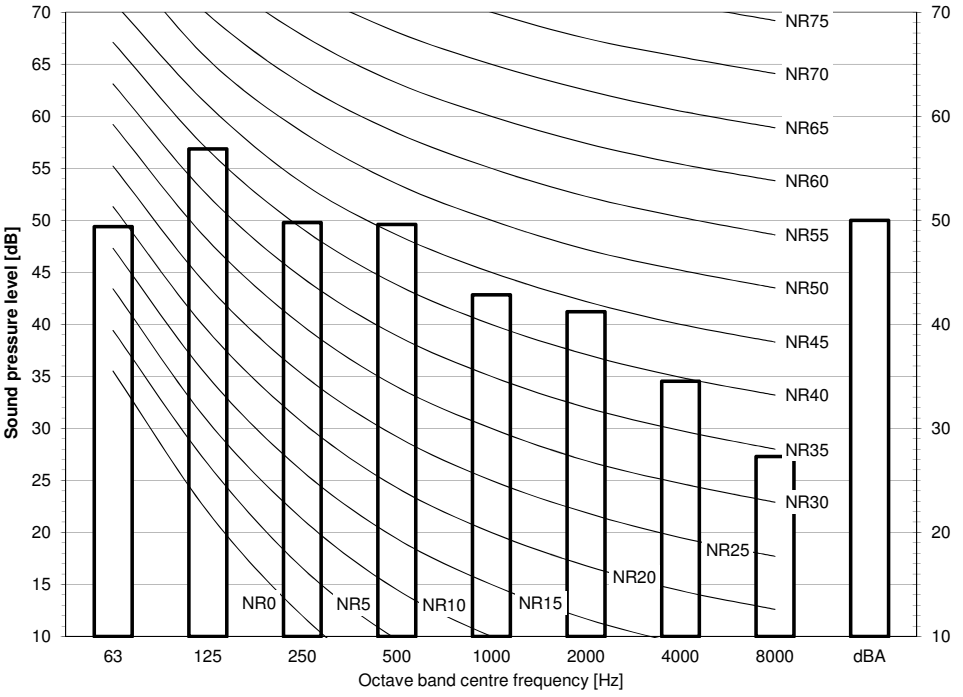


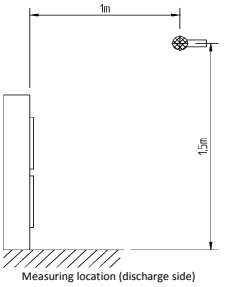


Notes
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa

3D090877

RZQG100L9V1





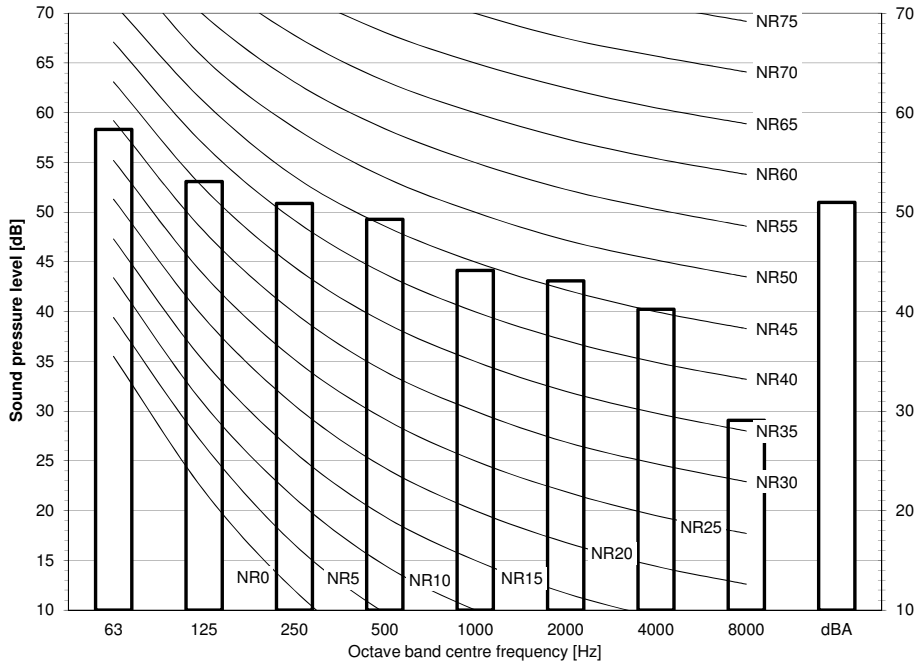
Notes
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa

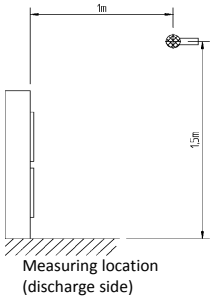
3D090878

11 Sound data

11 - 2 Sound Pressure Spectrum - Cooling

RZQG125L9V1

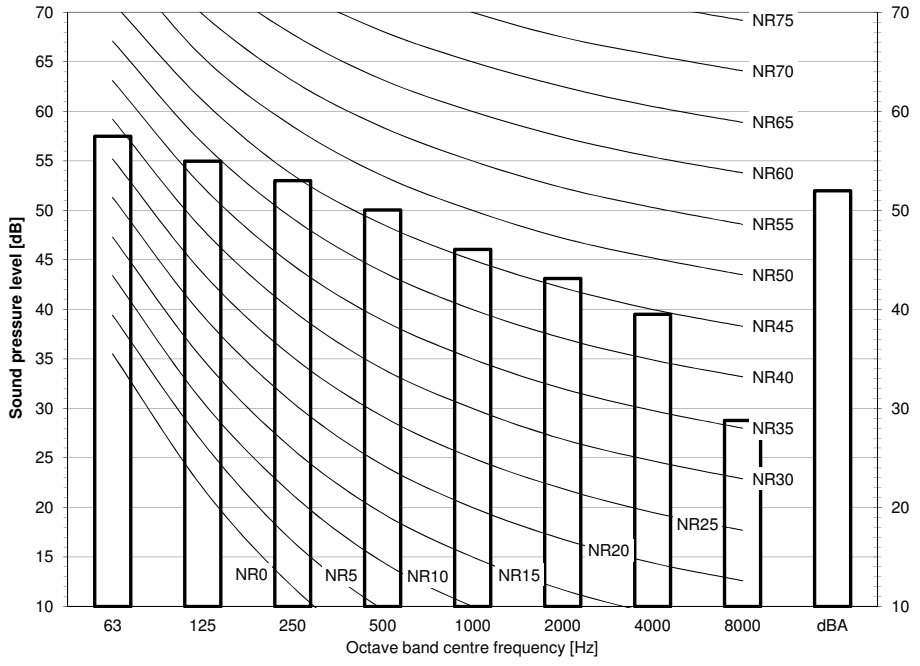


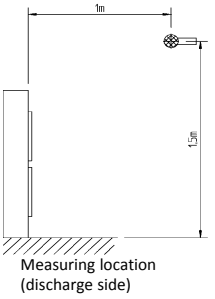


Notes
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa

3D090879

RZQG140L9V1





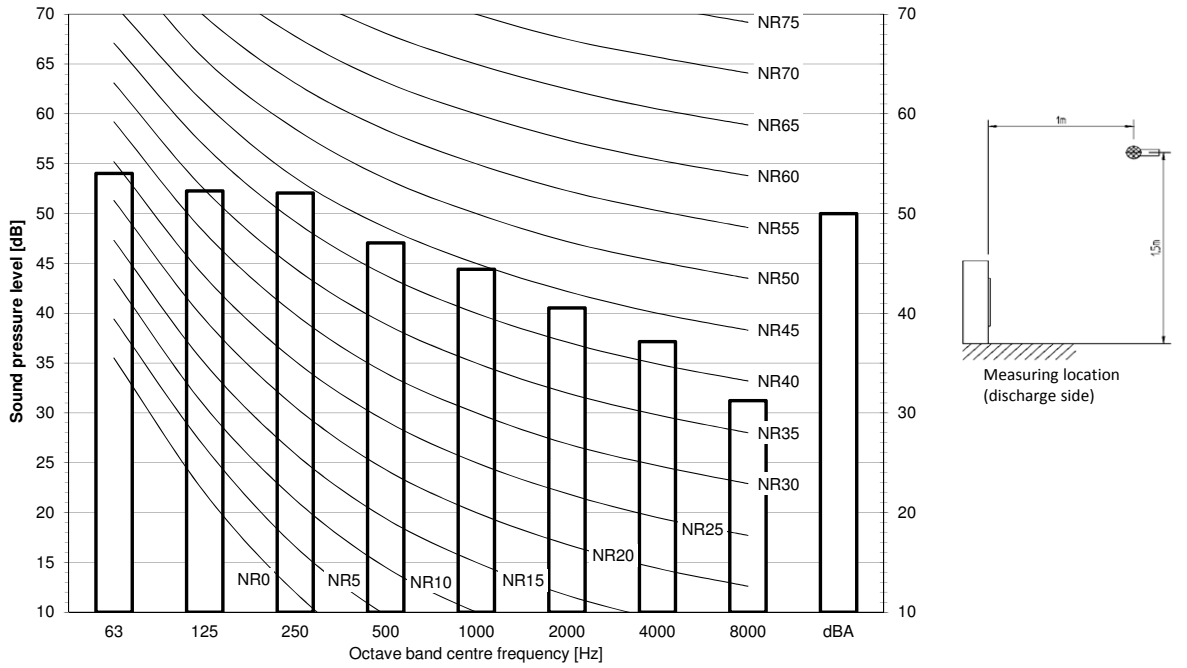
Notes
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa

3D090880

11 Sound data

11 - 3 Sound Pressure Spectrum - Heating

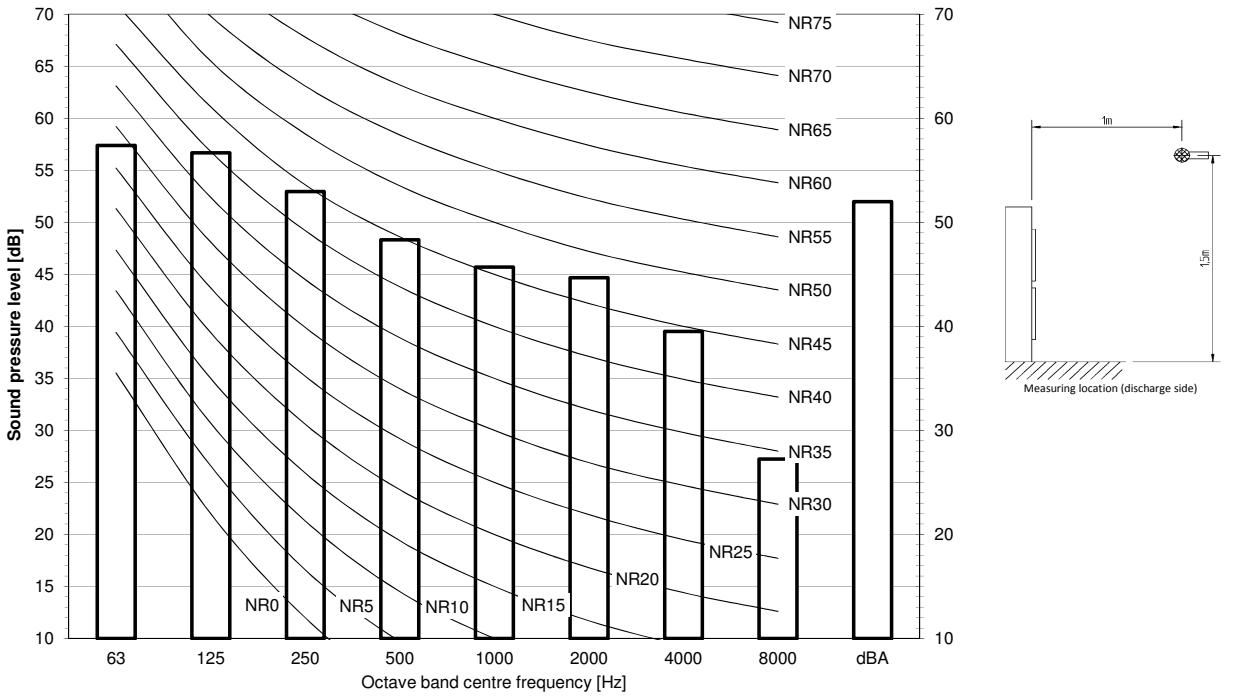
RZQG71L9V1



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

3D090867

RZQG100L9V1



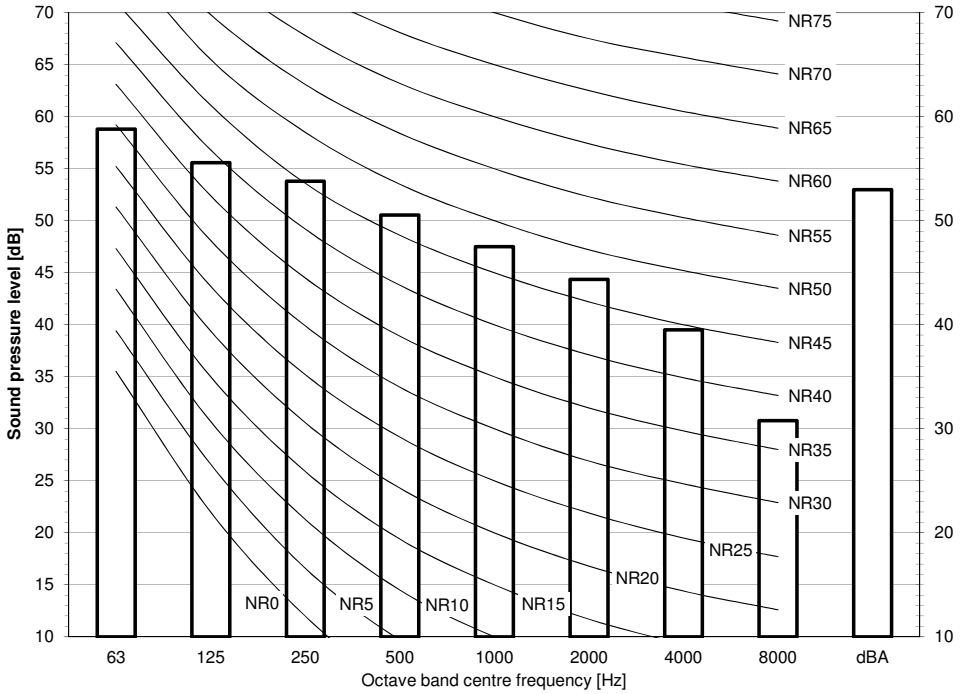
Notes
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa

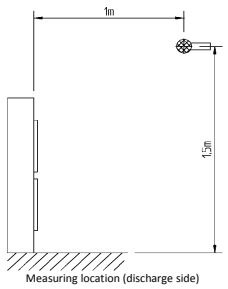
3D090868

11 Sound data

11 - 3 Sound Pressure Spectrum - Heating

RZQG125L9V1

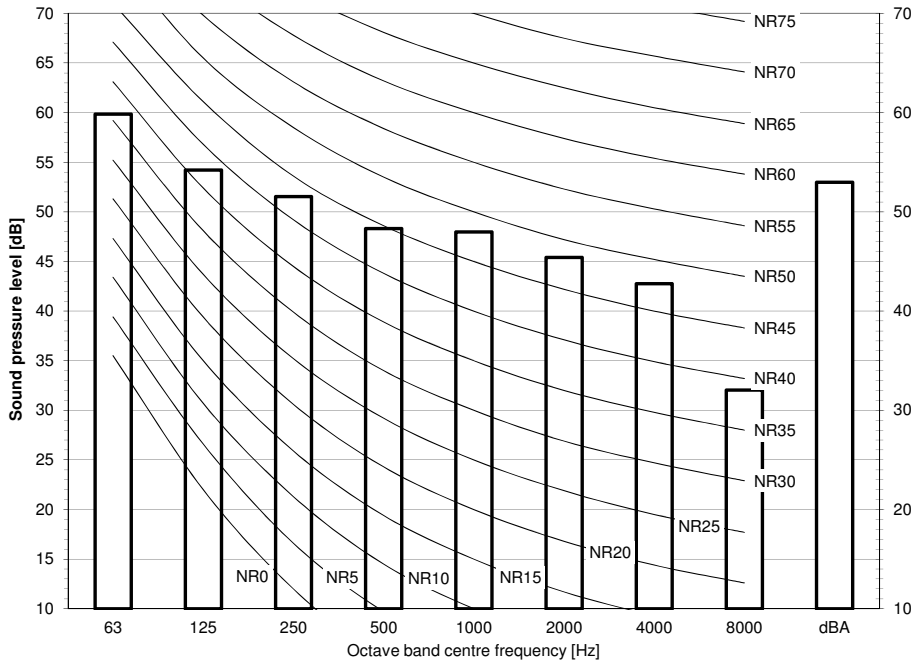


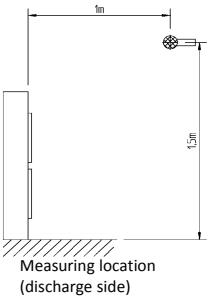


Notes
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa

3D090869

RZQG140L9V1





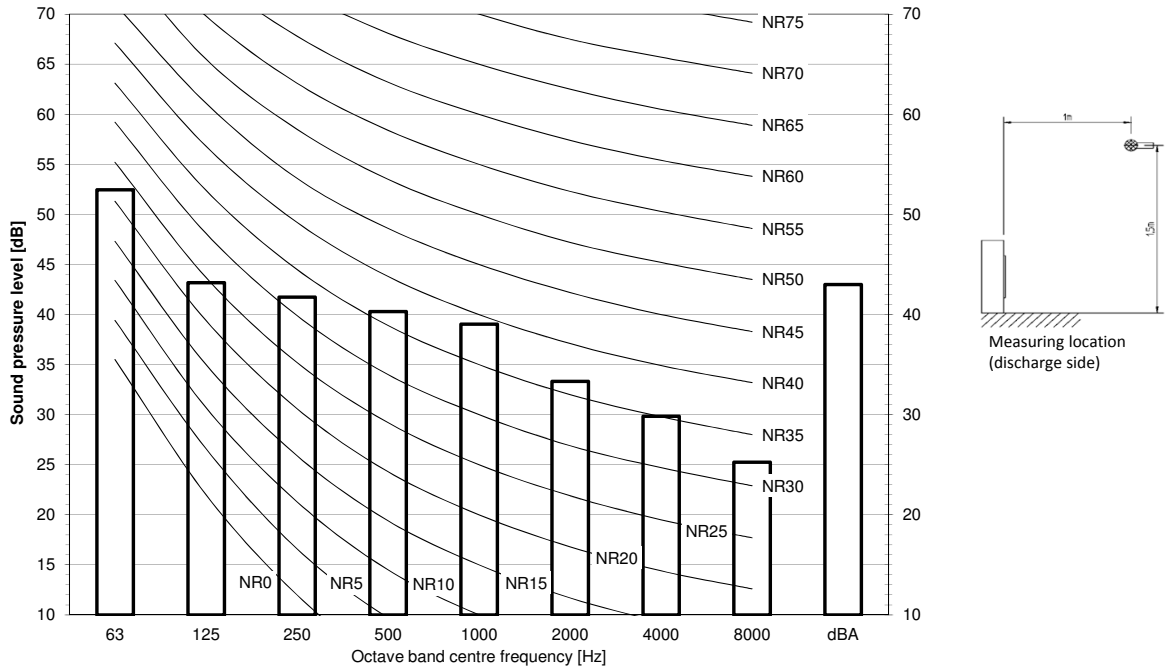
Notes
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa

3D090870

11 Sound data

11 - 4 Sound Pressure Spectrum Quiet Mode

RZQG71L9V1

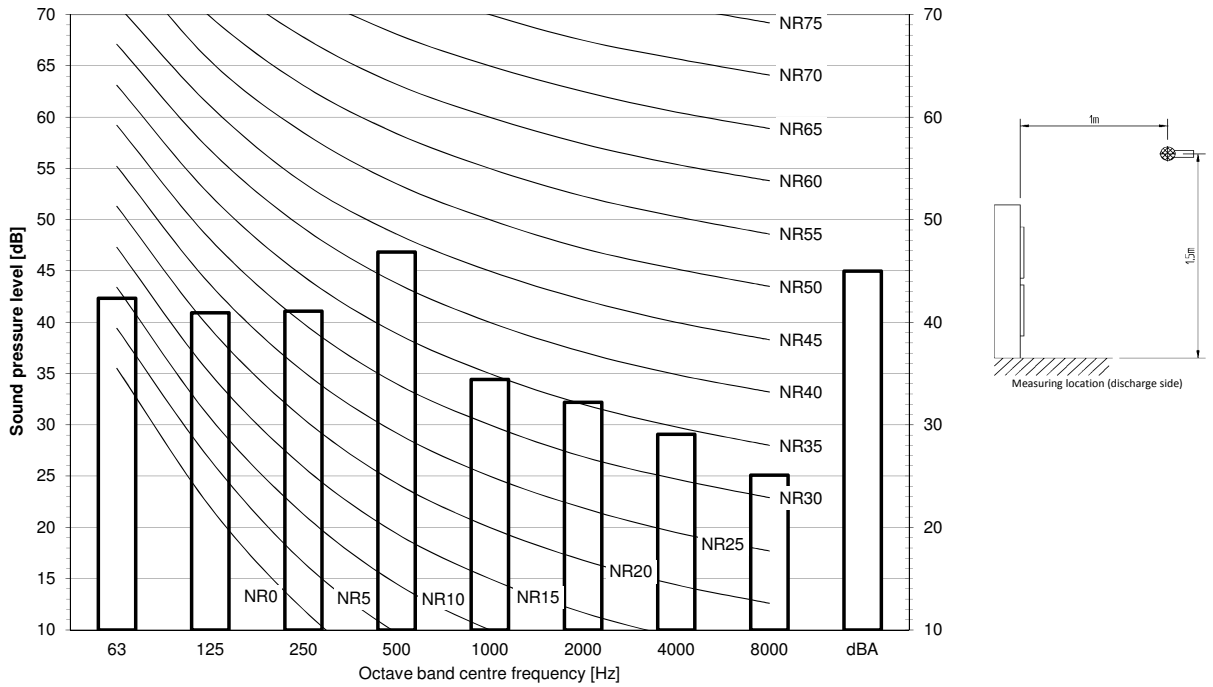


Notes

- 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

3D090857

RZQG100L9V1



Notes

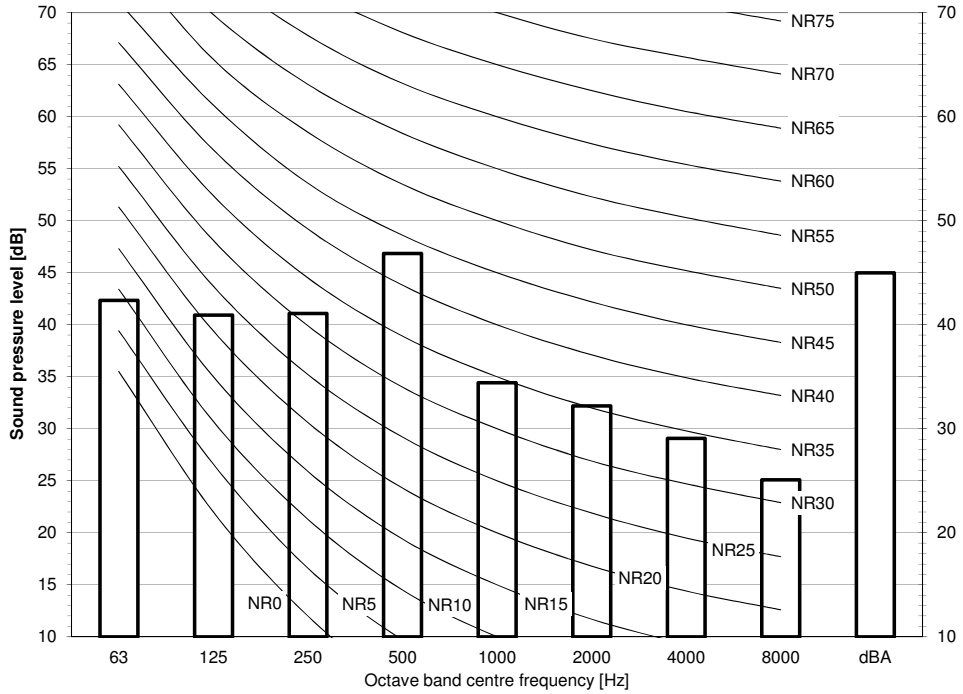
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa

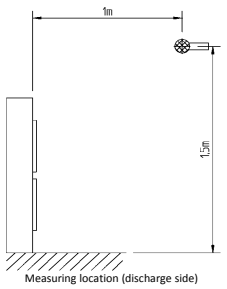
3D090858

11 Sound data

11 - 4 Sound Pressure Spectrum Quiet Mode

RZQG125L9V1

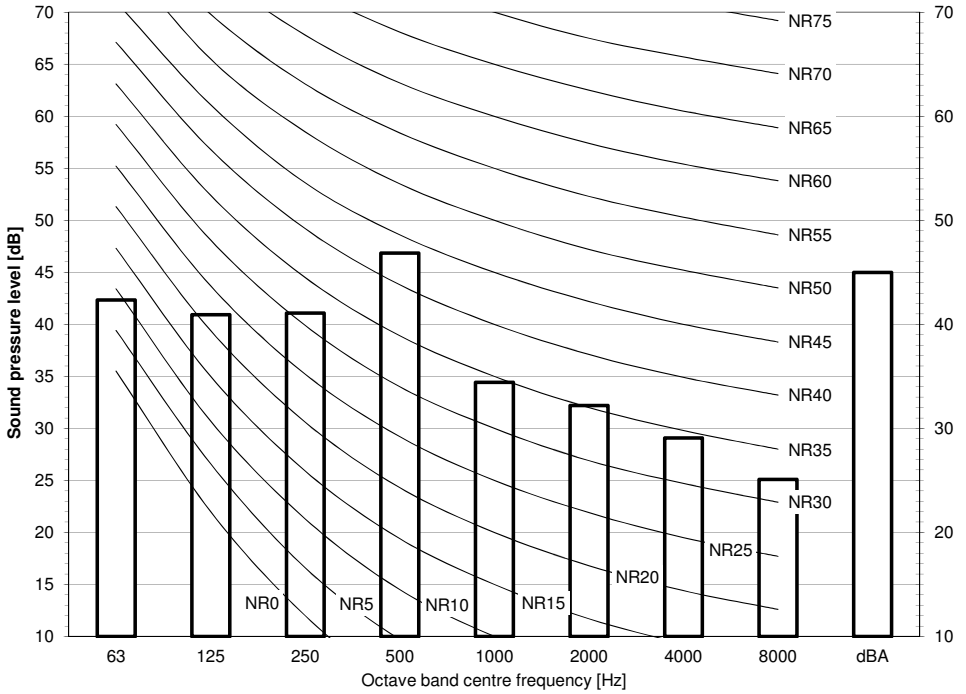


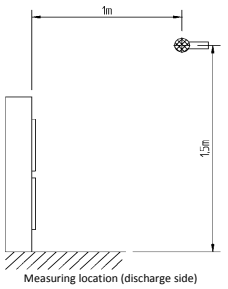


Notes
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 µPa

3D090859

RZQG140L9V1





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

3D090860

12 Installation

12 - 1 Installation Method

RZQG-L(8)Y1
RZQG-L9V1

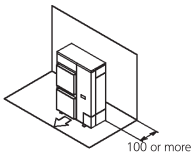
Installation service space

The measure of these values is "mm".

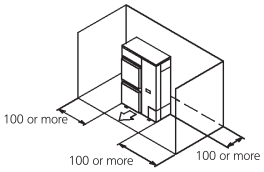
(A) When there are obstacles on suction sides.

- **No obstacle above**

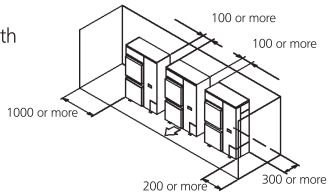
① Stand-alone installation
- Obstacle on the suction side only



- Obstacle on both sides and suction side, too

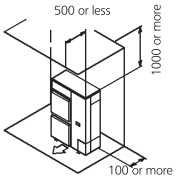


② Series installation (2 or more) (Note 1)
- Obstacle on the suction side and both sides

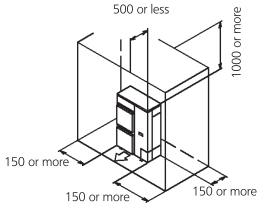


- **Obstacle above, too.**

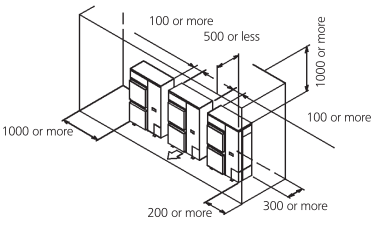
① Stand-alone installation
- Obstacle on the suction side, too



- Obstacle on both sides and suction side, too



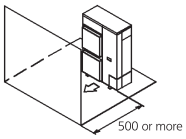
② Series installation (2 or more) (Note 1)
- Obstacle on the suction side and both sides



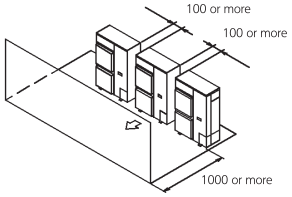
(B) When there are obstacles on discharge sides.

- **No obstacle above**

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

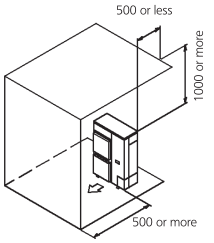


② Series installation (2 or more) (Note 1)
- Obstacle on the discharge side only

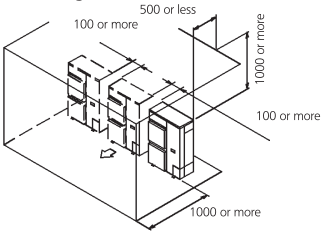


- **Obstacle above, too**

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



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



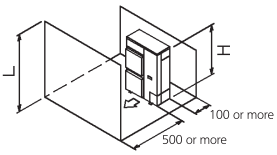
(C) When there are obstacles on both suction and discharge sides.:

Pattern 1

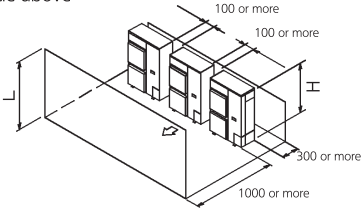
When the obstacles on the discharge side is higher than the unit. (L>H)
(There is no limit for the height of obstructions on the suction side.)

- **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

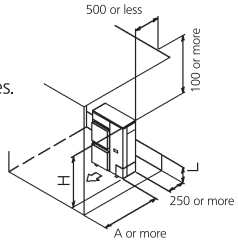
RZQG-L(8)Y1
RZQG-L9V1

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

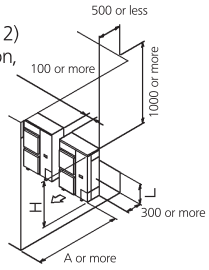


② Series installation (2 or more) (Note 1, 2)
- When there are obstacles on suction, discharge and top sides.

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

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

Limit of series installation is 2 units.

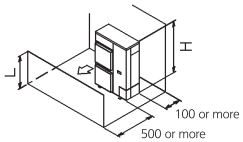


Pattern 2

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

• No obstacle above

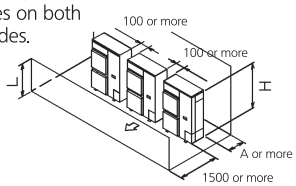
① Stand-alone installation
- No obstacle above



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 ≦ 1/2 H	250 or more
1/2 H < L ≦ H	300 or more

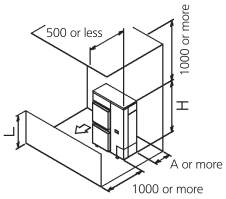


• obstacle above

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

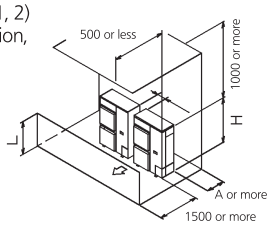


② Series installation (2 or more) (Note 1, 2)
- When there are obstacles on suction, discharge and top sides.

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

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

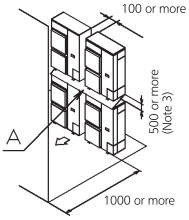
Limit of series installation is 2 units.

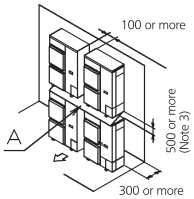


(D) Double-decker installation

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.

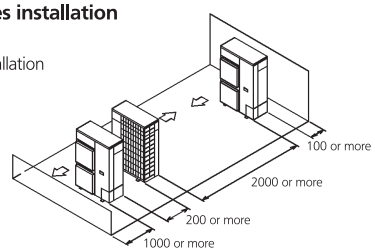
② Obstacle on the suction side. (1)
- Do not exceed two levels for stacked installation.
- Install a roof cover similar to A (field supply), as outdoor units with downward drainage are prone to dripping and freezing.
- Install the upper-level outdoor unit so that its bottom plate is a sufficient height above the roof cover. This is to prevent the buildup of ice on the underside of the bottom plate.





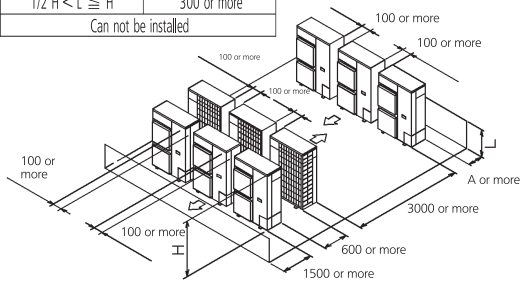
(E) Multiple rows of series installation (on the rooftop, etc.)

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 ≦ H	L ≦ 1/2 H	250 or more
	1/2 H < L ≦ H	300 or more
L > H	Can not be installed	



NOTES

1 In case of the sideway's 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.

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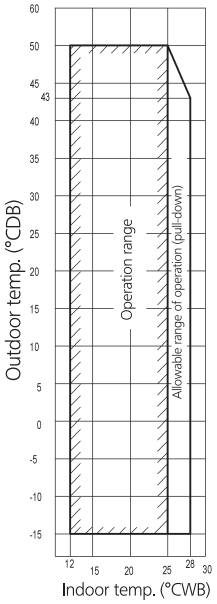
13 Operation range

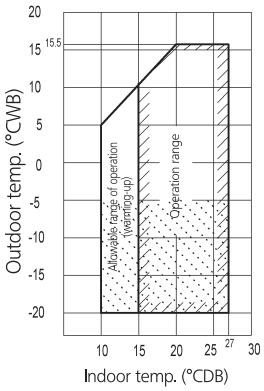
13 - 1 Operation Range

RZQG-L(8)Y1
RZQG-L9V1

(Cooling)



(Heating)



Notes:

1 Depending on operation and installation conditions, the indoor unit can change over to freeze-up operation (indoor de-icing).
2 To reduce the freeze-up operation (indoor de-icing) frequency, it is recommended to install the outdoor unit in a location not exposed to wind.
3 If the unit has to operate for 5 days in this operation range with 100% humidity, it is advisable to install the optional bottom plate heater.

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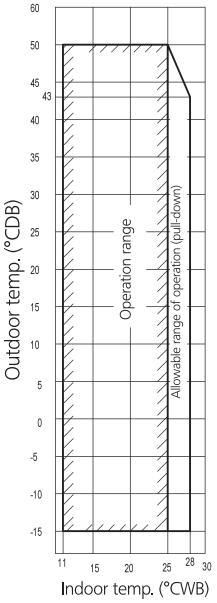
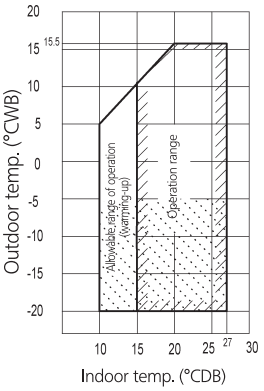
RZQG-L(8)Y1
RZQG-L9V1

(Cooling)



(Heating)



Notes:

1 Depending on operation and installation conditions, the indoor unit can change over to freeze-up operation (indoor de-icing).
2 To reduce the freeze-up operation (indoor de-icing) frequency, it is recommended to install the outdoor unit in a location not exposed to wind.
3 If the unit has to operate for 5 days in this operation range with 100% humidity, it is advisable to install the optional bottom plate heater.

3D076503

14 Appropriate Indoors

14 - 1 Appropriate Indoors

RZQG140LY1
RZQG140L9V1

Recommended indoor units for ·RZQ(S)G*L*· outdoor units

Class	140
	FCAHG140 FCAG140 FBA140 FHA140 FVA140 4XFCAG35 4XFBA35

For details about the allowed combinations, see the engineering databook.

Appropriate indoor units for ·RZQ(S)G*L*· outdoor units

Covered by ·ENER LOT21·

FCAHG140
FCAG140
FBA140
FHA140
FVA140

Covered by ·ENER LOT10·

FCAHG71
FCAG35-50-71
FFA35-50
FBA35-50-71
FHA35-50-71
FUA71
FAA71
FDXM35-50
FNA35-50

3D113981A

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