

Pair, Twin, Triple, double twin

Technology and comfort combined
for commercial applications

- › Top efficiency:
 - Energy labels up to A++ (cooling) / A+ (heating) for RZQG71/100L9V1 + FCQG71/100F
 - compressor that offers substantial efficiency improvements
 - control logic that optimises efficiency at the most frequently encountered operating condition
- › Replace existing R-22 or R-407C systems without having to replace the piping



- › Guarantees operation in both heating and cooling mode down to -15°C
- › With a gas cooled PCB reliable cooling is guaranteed as it is not influenced by ambient temperature
- › Maximum piping length up to 50m, minimum piping length is 5m.



Pair, twin, triple and double twin application

		FCAHG-G				FCAG-A							FFA-A			FDXM-F3			FBA-A						
capacity class		71	100	125	140	35	50	60	71	100	125	140	35	50	60	35	50	60	35	50	60	71	100	125	140
RZQSG71L3V1		P				2			P				2			2			2			P			
RZQSG100L9V1	RZQSG100L8Y1		P			3	2			P			3	2		3	2		3	2			P		
RZQSG125L9V1	RZQSG125L8Y1			P		4	3	2			P		4	3	2	4	3	2	4	3	2			P	
RZQSG140L9V1	RZQSG140LY1	2			P	4	3		2			P	4	3		4	3		4	3		2			P

		FDA-A		FHA-A						FUA-A				FAA-A		FVA-A				FNA-A		
capacity class		125	35	50	60	71	100	125	140	71	100	125	140	71	100	71	100	125	140	35	50	60
RZQSG71L3V1			2			P				P				P		P				2		
RZQSG100L9V1	RZQSG100L8Y1		3	2			P			P				P		P		P		3	2	
RZQSG125L9V1	RZQSG125L8Y1	P	4	3	2			P				P						P		4	3	2
RZQSG140L9V1	RZQSG140LY1		4	3		2			P	2				2					P	4	3	

Outdoor unit		RZQSG		71L3V1	100L9V1	125L9V1	140L9V1	100L8Y1	125L8Y1	140LY1
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320	990x940x320	1,430x940x320	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320
Weight	Unit		kg	67	72	74	95	82		101
Sound power level	Cooling		dBA	65	70		69	70	70	69
Sound pressure level	Cooling	Nom./Silent operation	dBA	49/47	53/-	54/-	53/-		54/-	53/-
	Heating	Nom.	dBA	51	57	58	54	57	58	54
	Night quiet mode	Level 1	dBA	-			49			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~46		-15~46			
	Heating	Ambient	Min.~Max.	°CWB			-15~15.5			
Refrigerant	Type						R-410A			
	Charge		kg	2.75	2.9	4.0	2.9	4.0		
			TCO _{2eq}	5.7	6.1	8.4	6.1	8.4		
	GWP					2,087.5				
Piping connections	Liquid	OD	mm			9.52				
	Gas	OD	mm			15.9				
	Piping length	OU - IU	Max.	m		50				
		System	Equivalent	m		70				
			Chargeless	m		30				
	Additional refrigerant charge		kg/m			See installation manual				
Power supply	Level difference	IU - OU	Max.	m	15		30.0			
	Phase / Frequency / Voltage		Hz / V			1~ / 50 / 220-240		3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A		20	32		16		20

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.