

Performance & dimensions

Application: High Back Pressure

Refrigerant: R134a (CF₃CH₂F)

Evaporator temp range: -5°C to 15 °C

Rated voltage / Frequency	Model	ASHRAE								Voltage range
		50Hz				60Hz				
		Capacity		COP - W/W		Capacity		COP - W/W		
		W	kcal/hr	RSIR	CSIR	W	kcal/hr	RSIR	CSIR	
100V 50Hz/60Hz	QA43K10CA00	385	331	-	2.01	435	374	-	2.10	90V-110V
	QA51K12CA00	450	387	-	2.05	530	456	-	2.09	
	QA66K15CA00	580	499	-	2.12	680	585	-	2.19	
	QA77K18CA00	680	585	-	2.10	800	688	-	2.12	
	QA91K20TA00	800	688	-	2.39 *	930	800	-	2.37 *	
	QA110K24TA00	980	843	-	2.32 *	1,150	989	-	2.36 *	
	QA125K27TA00	1,100	946	-	2.31 *	1,325	1,140	-	2.30 *	
110V 60Hz	QA43K12SAT6					435	374	2.02	-	88V-121V
110V-127V 60Hz (Data at 127V)	QA51K11CAR6					530	456	-	2.15	99V-140V
	QA66K13CAR6					680	585	-	2.28	
	QA110K30CAR6					1,150	989	-	2.16	
127V 60Hz	QA125K30CAR6					1,325	1,140	-	2.08	114V-140V
220V-240V 50Hz	QA51K13GAW5	450	387	2.18	-					195V-255V
	QA77K18CAW5	680	585	-	2.34					
	QA91K21CAW5	800	688	-	2.27					
	QA110K23CAW5	980	843	-	2.30					
	QA125K26CAW5	1,100	946	-	2.18					

Condition	ASHRAE
Condensing temperature:	54.4 °C
Evaporating temperature:	7.2 °C
Gas superheated to:	35.0 °C
Liquid subcooled to:	46.1 °C
Ambient temperature:	35.0 °C
*:	CSCR

Notes: All data covered by this catalogue are given as general information only.

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Appearance - representative

Rated voltage / Frequency	Model		Dimension –mm			Mount	
	Name	Cooling type	A	B	C	Dia.-mm	Pitch-mm
100V 50Hz/60Hz		FC					
110V 60Hz	QA43K12SAT6	FC					
110V-127V 60Hz		FC					
127V 60Hz	QA125K30CAR6	FC					
220V-240V 50Hz	QA51K13GAW5 QA77K18CAW5 QA91K21CAW5 QA110K23CAW5 QA125K26CAW5	FC					

Note) Compressor cooling: ST = Static cooling, FC = Fan cooling, OC = Oil cooling

Tube dimension - representative

Rated voltage / Frequency	ID / OD –mm				Location of Suction tube
	Dis.	Suc.	Pro.	Oil cooler	
100V 50Hz/60Hz					Discharge tube side
110V 60Hz					
110V-127V 60Hz					
127V 60Hz					
220V-240V 50Hz					

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