

Condensing unit for commercial refrigeration with scroll technology

JEHSCU-CM1/CM3



Scroll compressor

Refrigeration solution for small food retailers

- › Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- › Compact and lightweight for even the smallest of city centre locations
- › All components can be accessed, making maintenance quick and easy
- › Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- › The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- › Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact

JEHSCU-CM1/CM3



Medium Temperature Refrigeration				JEHSCU-CM1/CM3	0200CM1	0200CM3	0250CM1	0250CM3	0300CM1	0300CM3	0350CM3
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	2.170		2.480		3.060		3.480
		R-404A	Nom	kW	3.490		4.210		4.890		5.460
		R-407A	Nom	kW	3.306		3.971		4.684		5.007
		R-407F	Nom	kW	3.297		3.971		4.712		4.902
Power input	Medium temperature	R-134a	Nom	kW	1.025		1.165		1.455		1.675
		R-404A	Nom	kW	1.695		2.035		2.515		3.065
		R-407A	Nom	kW	1.676		2.017		2.457		2.996
		R-407F	Nom	kW	1.679		2.026		2.477		3.425
COP	Medium temperature	R-134a			2.12		2.13		2.10		2.08
		R-404A			2.06		2.07		1.94		1.78
		R-407A			1.97		1.97		1.91		1.67
		R-407F			1.96		1.96		1.90		1.43
Dimensions	Unit	Height		mm	662						
		Width		mm	1,101						
		Depth		mm	444						
Weight	Unit			kg	69.7		71.7		73.7		
Compressor	Type	Scroll compressor									
	Model		ZB15KQE-PFJ	ZB15KQE-TFD	ZB19KQE-PFJ	ZB19KQE-TFD	ZB21KQE-PFJ	ZB21KQE-TFD	ZB26KQE-TFD		
	Piston displacement	m ³ /h	5.90		6.80		8.60		9.90		
	Oil	Charged volume	l	1.24		1.30		1.36		1.45	
	Oil Type	Polyester oil									
Fan	Air flow rate	Cooling	Nom	m ³ /h	2,700						
Sound pressure level	Nom.			dB(A)	33		36		40		
Refrigerant	Type / GWP	R-134a / 1,430									
	Type 2 / GWP 2	R-404A / 3,921.6									
	Type 3 / GWP 3	R-407A / 2,107									
	Type 4 / GWP 4	R-407F / 1,825									
Piping connections	Liquid line connection			inch	3/8"						
	Suction line connection			inch	3/4						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230	3~/50/400	1~/50/230	3~/50/400	1~/50/230	3~/50/400	

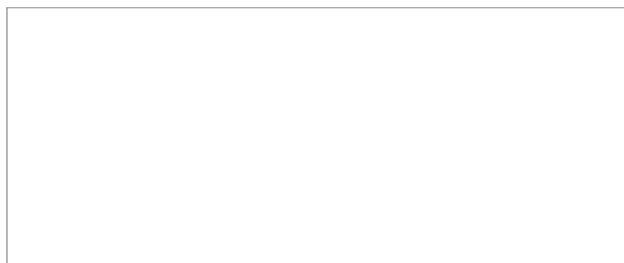
(1) Refer to condition: Outside ambient temperature = 32°C, Evaporation temperature = -10°C and 10K superheat (medium temperature application)

(2) Sound pressure level is measured at 10m in anechoic room

(3) Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

(4) Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; ambient air temp. 35°C; full load operation.

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