

Condensing unit for commercial refrigeration with reciprocating technology

JEHCCU-CM1/CM3



Reciprocating
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

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Medium Temperature Refrigeration					JEHCCU-CM1/CM3	0050	0067	0100	0113	0140CM1	0140CM3
Refrigerating capacity	Medium temperature	R-404A	Nom	kW	0.910	1.225	1.495	1.761	2.220		
		R-407A	Nom	kW	0.783	1.654	1.287	1.515	1.911		
		R-407F	Nom	kW	0.882	1.187	1.449	1.706	2.151		
Power input	Medium temperature	R-404A	Nom	kW	0.626	0.763	0.927	1.102	1.235		
		R-407A	Nom	kW	0.581	0.708	0.860	1.023	1.146		
		R-407F	Nom	kW	0.611	0.744	0.904	1.075	1.204		
COP	Medium temperature	R-404A			1.45	1.61	1.61	1.60	1.80		
		R-407A			1.35	1.49	1.50	1.48	1.67		
		R-407F			1.44	1.60	1.60	1.59	1.79		
Dimensions	Unit	Height		mm	607				662		
		Width		mm	876				1,101		
		Depth		mm	420				444		
Weight	Unit			kg	45	54		55	67.5		
Compressor	Type	Reciprocating compressor									
	Model				AE4460Z-FZ1C	CAJ9480Z	CAJ9510Z	CAJ9513Z	CAJ4517Z	TAJ4517Z	
	Piston displacement			m ³ /h	1.80	2.64	3.18	4.21	4.52		
	Oil Charged volume			l	0.28	0.887					
	Oil Type	Uniqema Emkarate RL32CF									
Fan	Air flow rate	Cooling	Nom	m ³ /h	1,300				2,700		
Sound pressure level	Nom.			dB(A)	30				34		
Refrigerant	Type / GWP	R-404A / 3,921.6									
	Type 2 / GWP 2	R-407A / 2,107									
	Type 3 / GWP 3	R-407F / 1,825									
Piping connections	Liquid line connection			inch	1/4"	3/8"					
	Suction line connection			inch	3/8	1/2				1/2	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230					3~/50/400	

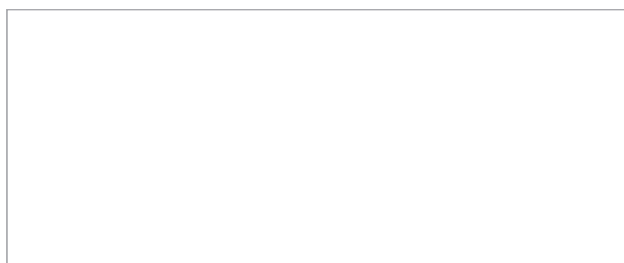
(1) Refer to condition: Outside ambient temperature = 32°C, Evaporation temperature = -10°C and 10K superheat (medium temperature application)

(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.

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



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