



# Condensing unit for commercial refrigeration with reciprocating technology

JEHCCU-CM1/JEHCCU-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

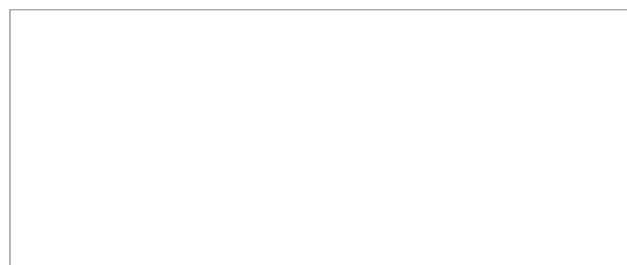
# JEHCCU-CM1/JEHCCU-CM3



Medium Temperature Refrigeration		JEHCCU-CM1/JEHCCU-CM3		0040CM1	0050CM1	0051CM1	0063CM1	0067CM1	0077CM1	0095CM1	0100CM1	0113CM1	0140CM1	0140CM3		
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	0.55 (1)	-	0.83 (1)	0.99 (1)	-	1.20 (1)	1.49 (1)	-				
		R-404A	Nom	kW	-	0.91 (1)	-	-	1.23 (1)	-	-	1.50 (1)	1.76 (1)	2.19 (1)	2.22 (1)	
		R-407A	Nom	kW	-	0.72 (1)	-	-	0.97 (1)	-	-	1.19 (1)	1.49 (1)	1.73 (1)	1.74 (1)	
Power input	Medium temperature	R-407F	Nom	kW	-	0.78 (1)	-	-	1.03 (1)	-	-	1.26 (1)	1.55 (1)	1.87 (1)	1.88 (1)	
		R-134a	Nom	kW	0.430 (1)	-	0.540 (1)	0.640 (1)	-	0.740 (1)	0.900 (1)	-				
		R-404A	Nom	kW	-	0.630 (1)	-	-	0.760 (1)	-	-	0.930 (1)	1.100 (1)	1.180 (1)	1.240 (1)	
Parameters at full load and ambient temp. 32°C (Point A)	R-134a	R-407A	Nom	kW	-	0.540 (1)	-	-	0.700 (1)	-	-	0.840 (1)	0.980 (1)	1.110 (1)	1.160 (1)	
		R-407F	Nom	kW	-	0.530 (1)	-	-	0.690 (1)	-	-	0.830 (1)	0.980 (1)	1.070 (1)	1.120 (1)	
		Te -10°C	Rated COP (COPA)		1.28	-	1.53	1.55	-	1.63	1.65	-				
		Te -10°C	Rated COP (COPA)		-	1.45	-	-	1.61	-	-	1.61	1.60	1.68	1.80	
Parameters at full load and ambient temp. 25°C	R-134a	R-407A	Te -10°C	Rated COP (COPA)	-	1.33	-	-	1.37	-	-	1.42	1.52	1.57	1.50	
		R-407F	Te -10°C	Rated COP (COPA)	-	1.47	-	-	1.49	-	-	1.51	1.58	1.75	1.67	
		Te -10°C	Declared COP (COP2)		1.55	-	1.75	1.80	-	1.96	2.05	-				
		Te -10°C	Declared COP (COP2)		-	1.88	-	-	1.92	-	-	1.87	1.95	1.96	2.02	
Parameters at full load and ambient temp. 43°C	R-134a	R-407A	Te -10°C	Declared COP (COP2)	-	1.39	-	-	1.45	-	-	1.50	1.65	1.58		
		R-407F	Te -10°C	Declared COP (COP2)	-	1.62	-	-	1.66	-	-	1.68	1.78	1.95	1.87	
		Te -10°C	Declared COP (COP3)		1.18	-	1.20	1.21	-	1.30	1.32	-				
		Te -10°C	Declared COP (COP3)		-	1.10	-	-	1.18	-	-	1.21	1.20	1.26	1.31	
Dimensions	Unit	Height	mm	607												
		Width	mm	876												
		Depth	mm	420												
				662												
Weight	Unit	kg	45		53		54				55		68			
		Compressor	Type	Reciprocating compressor												
Compressor	Model	AE4440Y-FZ1A   AE4460Z-FZ1C   CAJ4461Y   CAJ4476Y   CAJ9480Z   CAJ4492Y   CAJ4511Y   CAJ9510Z   CAJ9513Z   CAJ4517Z   TAJ4517Z														
		Oil	Charged volume	l	0.3											
		Oil Type	Uniqema Emkarate RL32CF													
		Piston displacement	m³/h	1.80	3.18	3.79	2.64	4.51	5.69	3.18	4.21	4.52				
Fan	Type	Axial														
		Air flow rate	Cooling	Nom	m³/h	1,300										2,700
Sound pressure level	Nom.	dBA	29 (2)				28 (2)	29 (2)		28 (2)		34 (2)				
Refrigerant	Type		R-134a	R-404A	R-134a	R-404A	R-134a	R-404A								
	Type 2		-	R-407A	-	R-407A	-	R-407A								
	Type 3		-	R-407F	-	R-407F	-	R-407F								
	GWP		1,430.0	3,921.6	1,430.0	3,921.6	1,430.0	3,921.6								
	GWP Type 2		-	2,107.0	-	2,107.0	-	2,107.0								
Piping connections	Liquid line connection	inch	1/4"				3/8"									
	Suction line connection	inch	3/8"				1/2"				5/8					
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) Its functioning relies on fluorinated greenhouse gases

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