



# 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

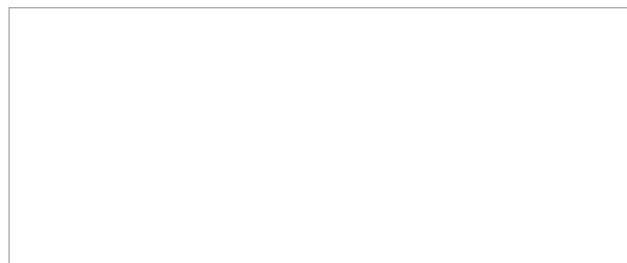


JEHCCU-CM1/CM3

Medium Temperature Refrigeration				JEHCCU-CM1/CM3		0040 CM1	0050 CM1	0051 CM1	0063 CM1	0067 CM1	0077 CM1	0095 CM1	0100 CM1	0113 CM1	0140 CM1	0140 CM3
Parameters at full load and ambient temp. 25°C	R-134a	Te -10°C	Declared COP (COP2)	1.84	-	2.01	2.05	-	2.23	2.22	2.30	-	-	-	-	-
	R-404A	Te -10°C	Declared COP (COP2)	-	2.21	-	-	-	2.23	-	-	-	2.15	2.24	2.32	2.22
	R-407A	Te -10°C	Declared COP (COP2)	-	1.69	-	-	-	1.69	-	-	-	1.74	1.90	1.87	1.78
	R-407F	Te -10°C	Declared COP (COP2)	-	1.93	-	-	-	1.94	-	-	-	1.95	2.07	2.22	2.11
	R-448A	Te -10°C	Declared COP (COP2)	-	1.91	-	-	-	1.90	-	-	-	1.89	1.95	2.42	2.32
	R-449A	Te -10°C	Declared COP (COP2)	-	1.91	-	-	-	1.90	-	-	-	1.89	1.95	2.42	2.32
R-452A	Te -10°C	Declared COP (COP2)	-	1.90	-	-	-	1.90	-	-	-	1.90	1.98	2.18	2.09	
Parameters at full load and ambient temp. 32°C (Point A)	R-134a	Te -10°C	Rated COP (COPA)	1.50	-	1.77	-	-	1.85	1.86	-	-	-	-	-	-
	R-404A	Te -10°C	Rated COP (COPA)	-	1.72	-	-	-	1.84	-	-	-	1.79	1.82	2.06	1.99
	R-407A	Te -10°C	Rated COP (COPA)	-	1.59	-	-	-	1.62	-	-	-	1.66	1.78	1.74	1.66
	R-407F	Te -10°C	Rated COP (COPA)	-	1.77	-	-	-	1.76	-	-	-	1.77	1.85	1.93	1.85
	R-448A	Te -10°C	Rated COP (COPA)	-	1.66	-	-	-	1.64	-	-	-	1.64	1.71	2.09	2.00
	R-449A	Te -10°C	Rated COP (COPA)	-	1.66	-	-	-	1.64	-	-	-	1.64	1.71	2.09	2.00
R-452A	Te -10°C	Rated COP (COPA)	-	1.67	-	-	-	1.67	-	-	-	1.68	1.73	1.92	1.83	
Parameters at full load and ambient temp. 43°C	R-134a	Te -10°C	Rated cooling capacity (PA)	0.59	-	0.89	1.06	-	1.29	1.60	-	-	-	-	-	-
	R-404A	Te -10°C	Rated cooling capacity (PA)	-	1.01	-	-	-	1.33	-	-	-	1.59	1.93	2.42	2.46
	R-407A	Te -10°C	Rated cooling capacity (PA)	-	0.80	-	-	-	1.07	-	-	-	1.33	1.66	1.92	-
	R-407F	Te -10°C	Rated cooling capacity (PA)	-	0.86	-	-	-	1.15	-	-	-	1.41	1.74	2.08	-
	R-448A	Te -10°C	Rated cooling capacity (PA)	-	0.87	-	-	-	1.12	-	-	-	1.35	1.64	2.15	-
	R-449A	Te -10°C	Rated cooling capacity (PA)	-	0.87	-	-	-	1.12	-	-	-	1.35	1.64	2.15	-
	R-452A	Te -10°C	Rated cooling capacity (PA)	-	0.95	-	-	-	1.23	-	-	-	1.48	1.79	2.20	-
	R-134a	Te -10°C	Rated power input (DA)	0.39	-	0.50	0.60	-	0.70	0.86	-	-	-	-	-	-
	R-404A	Te -10°C	Rated power input (DA)	-	0.59	-	-	-	0.72	-	-	-	0.89	1.06	1.18	1.24
	R-407A	Te -10°C	Rated power input (DA)	-	0.50	-	-	-	0.66	-	-	-	0.80	0.94	1.11	1.16
	R-407F	Te -10°C	Rated power input (DA)	-	0.49	-	-	-	0.65	-	-	-	0.79	0.94	1.07	1.12
	R-448A	Te -10°C	Rated power input (DA)	-	0.53	-	-	-	0.68	-	-	-	0.82	0.96	1.03	1.08
R-449A	Te -10°C	Rated power input (DA)	-	0.53	-	-	-	0.68	-	-	-	0.82	0.96	1.03	1.08	
R-452A	Te -10°C	Rated power input (DA)	-	0.57	-	-	-	0.74	-	-	-	0.88	1.03	1.15	1.20	
Parameters at full load and ambient temp. 43°C	R-134a	Te -10°C	Declared COP (COP3)	1.42	-	1.40	-	-	1.49	1.50	-	-	-	-	-	-
	R-404A	Te -10°C	Declared COP (COP3)	-	1.33	-	-	-	1.42	-	-	-	1.44	1.43	1.56	1.48
	R-407A	Te -10°C	Declared COP (COP3)	-	1.42	-	-	-	-	-	-	-	-	-	1.56	1.47
	R-407F	Te -10°C	Declared COP (COP3)	-	1.46	-	-	-	-	-	-	-	-	-	1.58	1.49
	R-448A	Te -10°C	Declared COP (COP3)	-	1.27	-	-	-	1.26	-	-	-	1.25	1.33	1.62	1.53
	R-449A	Te -10°C	Declared COP (COP3)	-	1.27	-	-	-	1.26	-	-	-	1.25	1.33	1.62	1.53
R-452A	Te -10°C	Declared COP (COP3)	-	1.31	-	-	-	1.32	-	-	-	1.34	1.37	1.52	1.44	
Dimensions	Unit	HeightxWidthxDepth	mm	607x876x420										662x1,101x444		
Weight	Unit		kg	49	57	56	58	57	58	57	58	58	67			
Compressor	Type			Reciprocating compressor												
	Piston displacement		m <sup>3</sup> /h	1.8	3.18	3.79	2.64	4.51	5.69	3.18	4.21	4.52				
Fan	Type			Axial												
Sound pressure level	Nom.		dB(A)	28											34	
Piping connections	Liquid line connection		inch	1/4"					3/8"							
	Suction line connection		inch	3/8"					1/2"					5/8		
Refrigerant	Type/GWP			R-134a/1,430	R-404A - 3,922	R-134a/1,430	R-404A - 3,922	R-134a/1,430	R-404A - 3,922	R-134a/1,430	R-404A - 3,922	R-134a/1,430	R-404A - 3,922	R-134a/1,430	R-404A - 3,922	R-134a/1,430
	Type 2 - GWP Type 2			---	R-407A - 2,107	---	R-407A - 2,107	---	R-407A - 2,107	---	R-407A - 2,107	---	R-407A - 2,107	---	R-407A - 2,107	---
	Type 3 - GWP Type 3			---	R-407F - 1,825	---	R-407F - 1,825	---	R-407F - 1,825	---	R-407F - 1,825	---	R-407F - 1,825	---	R-407F - 1,825	---
	Type 4 - GWP Type 4			---	R-448A - 1,387	---	R-448A - 1,387	---	R-448A - 1,387	---	R-448A - 1,387	---	R-448A - 1,387	---	R-448A - 1,387	---
	Type 5 - GWP Type 5			---	R-449A - 1,397	---	R-449A - 1,397	---	R-449A - 1,397	---	R-449A - 1,397	---	R-449A - 1,397	---	R-449A - 1,397	---
	Type 6 - GWP Type 6			---	R-452A - 2,141	---	R-452A - 2,141	---	R-452A - 2,141	---	R-452A - 2,141	---	R-452A - 2,141	---	R-452A - 2,141	---
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230												3~/50/400

Its functioning relies on fluorinated greenhouse gases  
 Sound pressure level is measured at 10m in anechoic room  
 SRG 20°C, Ta=32°C, Te=-35°C

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ECPEN19-807

05/2019



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