



# Condensing unit for commercial refrigeration with reciprocating technology

JEHCCU-CM1 / JEHCCU-CM3



Reciprocating compressor

## Refrigeration solution for small food retailers

- › Perfect for small stores and restaurants
- › Perfect when space is at a premium
- › Easy installation, maintenance and servicing
- › Ideal for urban environments: Improved acoustics through sound proofing
- › High energy efficiency and reliable compressor technology
- › Micro channel heat exchanger for reduced refrigerant charge

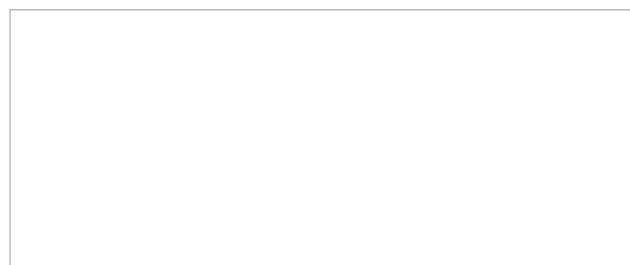
# JEHCCU-CM1 / JEHCCU-CM3



Medium Temperature Refrigeration			JEHCCU-C														
			0040CM1	0050CM1	0051CM1	0063CM1	0067CM1	0077CM1	0095CM1	0100CM1	0113CM1	0140CM1	0170CM1	0140CM3	0170CM3		
Refrigerating capacity Medium temperature	R-134a	Nom	kW	0.59	-	0.89	1.06	-	1.28	1.60	-	-	-	-	-		
	R-407A	Nom	kW	-	0.80	-	-	1.07	-	-	1.33	1.66	1.92	-	1.92		
	R-407F	Nom	kW	-	0.86	-	-	1.15	-	-	1.41	1.74	2.08	-	2.08		
	R-448A	Nom	kW	-	0.87	-	-	1.12	-	-	1.34	1.64	2.15	2.57	2.15	2.57	
	R-449A	Nom	kW	-	0.87	-	-	1.12	-	-	1.34	1.64	2.15	2.57	2.15	2.57	
	R-452A	Nom	kW	-	0.95	-	-	1.23	-	-	1.48	1.79	2.20	2.68	2.20	2.69	
Parameters at full load and ambient temp. 25°C	R-134a	Te -10°C	Declared COP (COP2)	1.84	-	2.01	2.05	-	2.22	2.30	-	-	-	-	-		
	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)	-	1.94	-	-	1.94	-	-	1.95	2.07	2.22	-	2.11		
	R-448A	Te -10°C	Declared COP (COP2)	-	0.50	-	-	0.65	-	-	0.79	0.92	0.98	1.45	1.02	1.40	
	R-449A	Te -10°C	Declared COP (COP2)	-	0.50	-	-	0.65	-	-	0.79	0.92	0.98	1.45	1.02	1.40	
	R-452A	Te -10°C	Declared COP (COP2)	-	0.54	-	-	0.71	-	-	0.86	1.00	1.10	1.58	1.16	1.50	
Parameters at part load and ambient temp. 25°C (Point B)			---														
Parameters at part load and ambient temp. 25°C (Point B)			---														
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-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	2.10	1.72	2.00	1.76	
	R-449A	Te -10°C	Rated COP (COPA)	-	1.66	-	-	1.64	-	-	1.64	1.71	2.10	1.72	2.00	1.76	
	R-452A	Te -10°C	Rated COP (COPA)	-	1.67	-	-	1.67	-	-	1.68	1.73	1.92	1.65	1.83	1.73	
	R-134a	Te -10°C	Rated cooling capacity (PA)	kW	0.59	-	0.89	1.06	-	1.28	1.60	-	-	-	-	-	
	R-407A	Te -10°C	Rated cooling capacity (PA)	kW	-	0.80	-	-	1.07	-	-	1.33	1.66	1.92	-	1.92	
	R-407F	Te -10°C	Rated cooling capacity (PA)	kW	-	0.86	-	-	1.15	-	-	1.41	1.74	2.08	-	2.08	
	R-448A	Te -10°C	Rated cooling capacity (PA)	kW	-	0.87	-	-	1.12	-	-	1.34	1.64	2.15	2.57	2.15	2.57
R-449A	Te -10°C	Rated cooling capacity (PA)	kW	-	0.87	-	-	1.12	-	-	1.34	1.64	2.15	2.57	2.15	2.57	
R-452A	Te -10°C	Rated cooling capacity (PA)	kW	-	0.95	-	-	1.23	-	-	1.48	1.79	2.20	2.68	2.20	2.69	
R-134a	Te -10°C	Rated power input (DA)	kW	0.39	-	0.50	0.60	-	0.70	0.86	-	-	-	-	-		
R-407A	Te -10°C	Rated power input (DA)	kW	-	0.50	-	-	0.66	-	-	0.80	0.94	1.11	-	1.16		
R-407F	Te -10°C	Rated power input (DA)	kW	-	0.49	-	-	0.65	-	-	0.79	0.94	1.07	-	1.12		
R-448A	Te -10°C	Rated power input (DA)	kW	-	0.53	-	-	0.68	-	-	0.82	0.96	1.03	1.49	1.08	1.46	
R-449A	Te -10°C	Rated power input (DA)	kW	-	0.53	-	-	0.68	-	-	0.82	0.96	1.03	1.49	1.08	1.46	
R-452A	Te -10°C	Rated power input (DA)	kW	-	0.57	-	-	0.74	-	-	0.88	1.03	1.15	1.63	1.20	1.55	
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-407A	Te -10°C	Declared COP (COP3)	-	1.42	-	-	-	-	-	-	-	1.56	-	1.48		
	R-407F	Te -10°C	Declared COP (COP3)	-	1.46	-	-	-	-	-	-	-	1.58	-	1.49		
	R-448A	Te -10°C	Declared COP (COP3)	-	0.58	-	-	0.73	-	-	0.88	1.01	1.11	1.57	1.16	1.54	
	R-449A	Te -10°C	Declared COP (COP3)	-	0.58	-	-	0.73	-	-	0.88	1.01	1.11	1.57	1.16	1.54	
	R-452A	Te -10°C	Declared COP (COP3)	-	0.61	-	-	0.77	-	-	0.92	1.06	1.20	1.69	1.26	1.62	
	R-448A	Te -10°C	Cooling capacity (P3)	kW	-	0.73	-	-	0.91	-	-	1.10	1.34	1.79	2.23	1.77	2.20
	R-449A	Te -10°C	Cooling capacity (P3)	kW	-	0.73	-	-	0.91	-	-	1.10	1.34	1.79	2.23	1.77	2.20
	R-452A	Te -10°C	Cooling capacity (P3)	kW	-	0.80	-	-	1.01	-	-	1.23	1.46	1.83	2.28	1.81	2.26
	R-134a	Te -10°C	Power input (D3)	kW	0.36	-	0.53	0.62	-	0.71	0.89	-	-	-	-	-	
R-407A	Te -10°C	Power input (D3)	kW	-	0.53	-	-	-	-	-	-	-	1.15	-	1.20		
R-407F	Te -10°C	Power input (D3)	kW	-	0.54	-	-	-	-	-	-	-	1.17	-	1.23		
R-448A	Te -10°C	Power input (D3)	kW	-	1.27	-	-	1.26	-	-	1.25	1.33	1.62	1.42	1.53	1.43	
R-449A	Te -10°C	Power input (D3)	kW	-	1.27	-	-	1.26	-	-	1.25	1.33	1.62	1.42	1.53	1.43	
R-452A	Te -10°C	Power input (D3)	kW	-	1.31	-	-	1.32	-	-	1.34	1.37	1.52	1.36	1.44	1.39	
Dimensions	Unit	HeightxWidthxDepth	mm	606 x 876 x 430									662 x 1,101 x 444				
Weight	Unit	kg	49	57	56	58	57	58	67	68	67	68	67	68			
Compressor	Type	Reciprocating compressor															
	Piston displacement	m³/h	1.80	3.18	3.79	2.64	4.51	5.69	3.18	4.21	4.52	6.00	4.52	6.00			
Fan	Type	Axial															
Sound pressure level	Nom.	dB(A)	28 (1)			28.4 (1)		28 (1)		28.2 (1)		28.4 (1)		32 (1)		33 (1)	
Piping connections	Liquid line connection	inch	1/4"			1/4"		1/4"		1/4"		3/8"		3/8"		3/8"	
	Suction line connection	inch	3/8"			3/8"		1/2"		1/2"		5/8"		5/8"		5/8"	
Refrigerant	Type/GWP	R-134a/1,430	-/-	R-134a/1,430	-/-	R-134a/1,430	-/-	R-134a/1,430	-/-	R-134a/1,430	-/-	R-134a/1,430	-/-	R-134a/1,430	-/-	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	---	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	---	R-407F - 1,825	---	
	Type 5 - GWP Type 5	---	R-448A - 1,387	---	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 6 - GWP Type 6	---	R-449A - 1,397	---	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 7 - GWP Type 7	---	R-452A - 2,141	---	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						1~/50 /230								

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

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