



# Condensing unit for commercial refrigeration with reciprocating and scroll technology

JEHCCU-CL1 / JEHCCU-CL3 / JEHSCU-CL3



Reciprocating compressor



Scroll 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

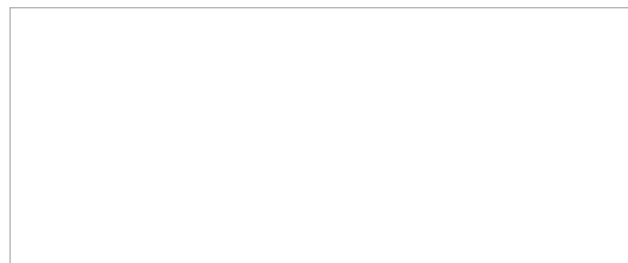
# JEHCCU-CL1 / JEHCCU-CL3 / JEHSCU-CL3



Low Temperature Refrigeration			JEHCCU/JEHCCU/JEHSCU		0115CL1	0135CL1	0180CL3	0210CL3	0300CL3	0400CL3	0500CL3	0600CL3	0750CL3	0950CL3EVI	
Refrigerating capacity	Low temperature	R-404A	Nom	kW							3,53 (1)	4,13 (1)			
		R-407A	Nom	kW							2,77 (1)	3,31 (1)		4,96	
		R-407F	Nom	kW											4,88
		R-448A	Nom	kW			0,98	1,36	1,62					4,81	4,86
		R-449A	Nom	kW			0,98	1,36	1,62					4,81	4,86
		R-452A	Nom	kW (2)	0,64	0,81	1,13	1,53							
Seasonal energy performance ratio SEPR		R-404A	Te -35°C							1,88	1,79	1,80			
		R-407A	Te -35°C							1,67		1,52		1,76	
		R-407F	Te -35°C							1,65				1,63	
		R-448A	Te -35°C							1,67			1,64	1,76	
		R-449A	Te -35°C							1,67			1,64	1,76	
Annual electricity consumption Q		R-404A	Te -35°C	kWh/a					11,555	14,732	17,107				
		R-407A	Te -35°C	kWh/a					10,212	12,364	16,220			20,958,00	
		R-407F	Te -35°C	kWh/a					10,730					22,348,00	
		R-448A	Te -35°C	kWh/a					11,276				21,856,00	20,551,00	
		R-449A	Te -35°C	kWh/a					11,276				21,856,00	20,551,00	
Parameters at full load and ambient temp. 25°C		R-448A	Te -10°C	Declared COP (COP2)			1,00	1,38							
		R-449A	Te -10°C	Declared COP (COP2)			1,00	1,38							
		R-452A	Te -10°C	Declared COP (COP2)			1,08	1,50							
Parameters at part load and ambient temp. 25°C (Point B)		R-404A	Te -35°C						1,50	1,41	1,44				
		R-407A	Te -35°C						1,24	1,25	1,17			1,52	
		R-407F	Te -35°C						1,23					1,35	
Parameters at part load and ambient temp. 25°C (Point B)									-- 1,30			-- 1,43	-- 1,42		
Parameters at part load and ambient temp. 25°C (Point B)									-- 1,30			-- 1,43	-- 1,42		
Parameters at full load and ambient temp. 32°C (Point A)		R-448A	Te -10°C	Rated COP (COPA)			1,00								
		R-449A	Te -10°C	Rated COP (COPA)			1,00								
		R-452A	Te -10°C	Rated COP (COPA)			1,07	1,05							
		R-404A	Te -35°C	Rated COP (COPA)						1,22	1,14	1,06			
		R-407A	Te -35°C	Rated COP (COPA)						0,98	0,97	0,93		1,26	
Parameters at full load and ambient temp. 32°C (Point A)		R-448A	Te -35°C	Rated COP (COPA)					0,97	1,02			1,18	1,24	
		R-449A	Te -35°C	Rated COP (COPA)					0,97	1,02			1,18	1,24	
		R-452A	Te -35°C	Rated COP (COPA)	1,05	0,98									
		R-404A	Te -35°C						2,91	3,53	4,13				
		R-407A	Te -35°C						2,29	2,77	3,31			4,96	
Parameters at full load and ambient temp. 32°C (Point A)		R-407F	Te -35°C						2,38					4,88	
		R-448A	Te -10°C - Te -35°C	Rated cooling capacity (PA)			0,98 --	1,36 --	-- 1,62	-- 2,53			-- 4,81	-- 4,86	
		R-449A	Te -10°C - Te -35°C	Rated cooling capacity (PA)			0,98 --	1,36 --	-- 1,62	-- 2,53			-- 4,81	-- 4,86	
		R-452A	Te -10°C - Te -35°C	Rated cooling capacity (PA)	-- 0,64	-- 0,81	1,13 --	1,53 --							
		R-404A	Te -35°C							2,38	3,10	3,90			
Parameters at full load and ambient temp. 43°C (Point A)		R-407A	Te -35°C						2,33	2,85	3,57			3,94	
		R-407F	Te -35°C						2,51					4,51	
		R-448A	Te -10°C - Te -35°C	Rated power input (DA)			0,98 --	1,36 --	-- 1,67	-- 2,48			-- 4,08	-- 3,93	
		R-449A	Te -10°C - Te -35°C	Rated power input (DA)			0,98 --	1,36 --	-- 1,67	-- 2,48			-- 4,08	-- 3,93	
		R-452A	Te -10°C - Te -35°C	Rated power input (DA)	-- 0,61	-- 0,83	1,06 --	1,46 --							
Parameters at full load and ambient temp. 43°C (Point A)		R-404A	Te -35°C	Declared COP (COP3)						0,86	0,79	0,64			
		R-407A	Te -35°C	Declared COP (COP3)						0,67	0,66	0,64			
		R-407F	Te -35°C	Declared COP (COP3)						0,62					
		R-448A	Te -35°C	Declared COP (COP3)					2,11	0,68			5,28		
		R-449A	Te -35°C	Declared COP (COP3)					2,11	0,68			5,28		
Parameters at full load and ambient temp. 43°C (Point A)		R-452A	Te -35°C	Declared COP (COP3)	0,60	0,81									
		R-448A	Te -35°C						1,43	2,23			4,26		
		R-449A	Te -35°C						1,43	2,23			4,26		
		R-452A	Te -35°C		0,49	0,57									
		R-404A	Te -35°C							2,91	3,78	5,20			
Parameters at full load and ambient temp. 43°C (Point A)		R-407A	Te -35°C						2,98	3,64	4,48				
		R-407F	Te -35°C						3,30						
		R-448A	Te -35°C						0,68	3,29			0,81		
		R-449A	Te -35°C						0,68	3,29			0,81		
		R-452A	Te -35°C		0,82	0,71									
Parameters at part load and ambient temp. 15°C (Point C)		R-404A	Te -35°C						1,98	1,87	1,93				
		R-407A	Te -35°C						1,69		1,55			1,74	
		R-407F	Te -35°C						1,68					1,67	
Parameters at part load and ambient temp. 15°C (Point C)									1,75			1,71	1,75		
Parameters at part load and ambient temp. 15°C (Point C)									1,75			1,71	1,75		
Parameters at part load and ambient temp. 5°C (Point D)		R-404A	Te -35°C						2,37	2,29	2,27				
		R-407A	Te -35°C						2,22	2,25	2,00			2,13	
		R-407F	Te -35°C						2,14					1,98	
Parameters at part load and ambient temp. 5°C (Point D)									2,14			1,94	2,18		
Parameters at part load and ambient temp. 5°C (Point D)									2,14			1,94	2,18		
Dimensions	Unit	HeightxWidthxDepth		mm	606 x876 x430			662 x1,101 x444		872 x1,353 x575		872 x1,350 x575		1,727 x1,348 x605	
Weight	Unit			kg	59	61	80	81	78	132	133	203	203	200	
Compressor	Type	Reciprocating compressor				Scroll compressor		Reciprocating compressor		Scroll compressor		Vapour injected scroll compressor			
	Piston displacement	m <sup>3</sup> /h			4,55	6,00	9,45	11,83	8,00	11,8	14,50	17,10	21,40	17,10	
Fan	Type	Axial													
Sound pressure level	Nom.	dB(A)			27 (2)		35 (2)	38 (2)	32,5 (2)	37 (2)	39 (2)	41 (2)	41,2 (2)	37 (2)	
Piping connections	Liquid line connection	inch					3/8"						1/2"		
	Suction line connection	inch			1/2"		5/8		3/4"		7/8"		1 1/8"	7/8"	
Refrigerant	Type/GWP									R-404A/3,922	R-404A/3,921,6		-/-		
	Type 2 - GWP Type 2									R-407A - 2,107	R-407A - 2,107,0		-/- R-407A - 2,107		
	Type 3 - GWP Type 3									R-407F - 1,825			-/- R-407F - 1,825		
	Type 4 - GWP Type 4									R-448A - 1,387					
	Type 5 - GWP Type 5									R-449A - 1,397			R-448A - 1,387		
	Type 6 - GWP Type 6									R-449A - 1,397			R-449A - 1,397		
	Type 7 - GWP Type 7														
Power supply	Phase/Frequency/Voltage	Hz/V			1~/50/230			R-452A - 2,141		3~/50/400					

(1) SRG 20°C, Ta=32°C, Te=-35°C | (2) Sound pressure level is measured at 10m in anechoic room | Its functioning relies on fluorinated greenhouse gases | Refer to condition: Outside ambient temperature = 32°C, Evaporation temperature = -10°C and 10K superheat (medium temperature application)

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