



Technical Data Sheet

OCU040

4 HP CO₂ Outdoor
Condensing Unit

P/N 3206751 Rev A
June 2024

Models Covered:
OCU040KUD (uncoated),
OCU040KED (coated)

OCU040 General Specifications

Refrigerant	Voltage	Compressor Type	Compressor Model	Compressor HP	Certification Listing
R-744 (CO ₂)	208 V / 60 Hz / 3Φ	Rotary/Variable Speed	8LV080ZA0F0B	4	UL / cUL

Certifications



Oil Pre-Charge and System Pressure Limits

Pre-Charged Oil (ml)*		Maximum Working Pressure (PSIG)	
Compressor	Oil Separator	High Side	Low/Medium Side
600	550	1,740	1,305

⚠ WARNING

Component parts shall be replaced with like components, and servicing shall be done by factory authorized service personnel only, so as to minimize the risk of possible ignition due to incorrect parts or improper service.

DS_OCU_Outdoor_Condensing_Unit_3206751_A_EN Revision History

Revision A: Initial Release

*Line runs longer than 164 ft (50 m) will require additional oil. Contact Hussmann or use the calculator tool provided in the unit I/O manual to calculate additional charge needs.

We reserve the right to change or revise specifications and product design in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.

Cooling Capacity

	Saturated Suction Temperature (SST) in ° F (° C)									
	-40 (-40)	-30 (-34.4)	-20 (-28.9)	-10 (-23.3)	0 (-17.8)	5 (-15)	10 (-12.2)	15 (-9.4)	20 (-6.7)	23 (-5)
Cooling Capacity (BTUH) with 80° F (26.7° C) Ambient at Gas Cooler	11,371	12,923	15,170	17,904	20,987	22,564	24,061	25,352	26,257	26,519
Cooling Capacity (BTUH) with 90° F (32.2° C) Ambient at Gas Cooler	10,775	12,246	14,358	16,980	19,953	21,404	22,645	23,448	23,499	23,000
Cooling Capacity (BTUH) with 95° F (35° C) Ambient at Gas Cooler	10,379	11,784	13,826	16,380	19,220	20,538	21,567	22,048	21,627	20,756
Cooling Capacity (BTUH) with 100° F (37.8° C) Ambient at Gas Cooler	9,907	11,222	13,194	15,660	18,270	19,379	20,122	20,239	19,390	18,241
Cooling Capacity (BTUH) with 105° F (40.6° C) Ambient at Gas Cooler	9,367	10,558	12,462	14,809	17,045	17,840	18,206	17,937	16,783	15,545
Cooling Capacity (BTUH) with 110° F (43.3° C) Ambient at Gas Cooler	8,783	9,810	11,650	13,828	15,488	15,831	15,713	15,058	13,826	12,808
Cooling Capacity (BTUH) with 113° F (45° C) Ambient at Gas Cooler	8,431	9,336	11,141	13,184	14,375	14,365	13,895	13,022	11,904	11,228

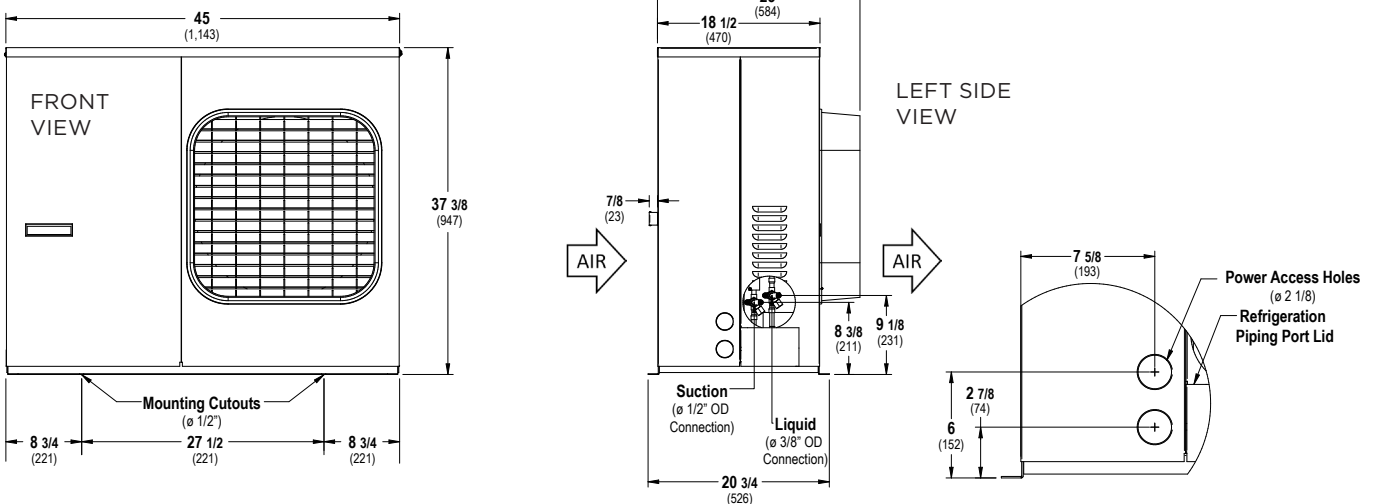
Installation / Physical Data

Dimensions (to the nearest inch)			Weight	Flash Tank Volume	Line Connections	
H	L	W			Liquid	Suction
38"	45"	23"	329 lb (149 kg)	1.97 g (7.45 L)	3/8" OD	1/2" OD

Component Electrical Data

Condensing Unit		Gas Cooler Fan Motor			
MCA	MOPD	Voltage	Phase	Quantity	FLA
21 A	30 A	208 VAC	1 Φ	1	0.7 A

Dimensions



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