



Air Handler Model UCCA

Unit Overview - UCCAG14C0G0R1022000002ED858AA0000000000

Application	Unit Size	Supply Fan		External Dimensions (in.)			Weight		Elevation
Indoor unit	14	Airflow	Total Static Pressure	Height	Width	Length	Installed	Rigging	0.00 ft
		4500 cfm	3.306 in H2O	45.568 in	71.000 in	70.160 in	963.5 lb	963.5 lb	

Unit Features

Panel	2 in. Foam Injected R-13
Panel Material	Galvanized
Configuration	Horizontal DDP fan with front top discharge
Coil, Drain and Motor side	Polymer Drainpan, RH Coil & Drain Conn. / RH Motor & Drive Location

Unit Electrical

Unit Voltage	Supply Motor(s) + HV + CONT
Unit Voltage 460/60/3	FLA 8.42 A
	MCA 10.47 A
	Max fuse size 15.00 A

Controls

Controller Type	Terminal block
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Filter

Type	Flat
Merv Rating	2" MERV 8
16 in. x 20 in. Quantity	2
16 in. x 25 in. Quantity	1
20 in. x 20 in. Quantity	2
20 in. x 25 in. Quantity	1
Pressure Drop	0.127 in H2O
Condition	Clean
Airflow	4500 cfm

Cooling Coil Section

Coil Construction and Options		Coil Performance	
Main Coil System Type	DX - R410a	Capacity	
Rows/Fin Spacing	6 row DX coil 14 fins per inch	Total Capacity	217.04 MBh
Tube Diameter	1/2in. tube diameter (12.7mm)	Sensible Capacity	142.36 MBh
Coil Options	Aluminum fins, stainless steel coil casing, 1/2" coils	Air	
Refrigerant Circuit Options	Face split circuit with 2 DX 1/4" distributors	Cooling Airflow	4500 cfm
Rigging Weight	227.5 lb	Entering Dry Bulb Temp	81.50 F
Installed Weight	227.5 lb	Entering Wet Bulb Temp	68.00 F
		Leaving Dry Bulb Temp	52.65 F
		Leaving Wet Bulb Temp	52.25 F
		Pressure Drop	0.534 in H2O
		Face Velocity	314 ft/min
		Fluid	
		Volume	8.25 gal
		Liquid Temp Entering TXV	115.00 F
		Saturated Suction Temp	45.00 F
		Suction Superheat	8.00 F
		AHRI Classification	
		Classification	AHRI ACHC Certified



Supply Fan Section

Fan Data		Motor Data	
Fan Type	Horizontal DDP fan with front top discharge	Power / Fan	5 horsepower motor per fan (supply)
Fan Quantity	1.00 Each	Voltage	460.0 V
Fan Performance		Fan electrical power (FEP)	3.32 kW
Airflow	4500 cfm	Wire to air static efficiency	52.55 %
Total Static Pressure	3.306 in H2O	Note: VFD driven motor fan electrical power calculated in accordance with AHRI 430.	
Total Brake Power / Fan	3.783 hp	Fan Discharge	
Operating Speed	1739 rpm	Airflow	4500 cfm
AMCA FEG	80.00	Face Velocity	963 ft/min
Motor Interface			
Type	VFD		
Voltage	460.0 V		
VFD Frequency/DDP Fan Speed	58 Hz / 1723 RPM		



Note: Certified by the AHRI Central Station Air-Handling Unit (AHU) Certification Program, based on AHRI Standard 430/431. AHRI certified units are subject to rigorous and continuous testing, have performance ratings independently measured and are third party verified. Certified units may be found in the AHRI Directory at www.ahridirectory.org.



Static Pressure Section

Filter/Mixing Air Pressure Drop	0.127 in H2O
Cooling Coil Pressure Drop	0.534 in H2O
External Static Pressure	2.500 in H2O
Discharge Pressure Drop	0.145 in H2O
Supply Fan Total Static Pressure	3.306 in H2O

AHRI Certification

Data generation date	12/8/2023
Trane Select Assist update number	2770

Coil 1 Note: Certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard 410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory at www.ahridirectory.org.



Acoustics	63 (Hz)	125	250	500	1K	2K	4K	8K
Sound Path								
Casing:	70 dB	69 dB	79 dB	68 dB	70 dB	57 dB	47 dB	44 dB
Ducted discharge:	71 dB	73 dB	87 dB	81 dB	79 dB	76 dB	76 dB	66 dB
Ducted inlet:	68 dB	67 dB	77 dB	71 dB	67 dB	67 dB	63 dB	55 dB
Inlet+Casing:	75 dB	69 dB	78 dB	72 dB	68 dB	67 dB	64 dB	55 dB

Fan Details

Unit Size	14	Operating Brake Power	3.783 hp
Operating Airflow	4,500 cfm	Altitude	0.00 ft
Operating Static Pressure	3.306 in H2O	Design Temp.	81.50 F
Operating RPM	1,739 rpm		

5 % BHP margin applied for motor selection.

Size 14 DDP Front Top Discharge – Single Fan.

Size 14 DDP Front Top Discharge – Single Fan.

