



SUBMITTAL CH140CAV

48,000 Btu/h 4 Way Cassette

Job Name	Location
Purchaser	Engineer
Submitted to	Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction <input type="checkbox"/>
Unit Designation	Schedule #

Specifications	
General	
Nom Cooling Capacity (Btu/h)	48,000
SEER	15.5
Cool Capacity Range (Btu/h)	13,800 to 52,600
Nom Heating Capacity (Btu/h)	54,500
HSPF	8.4
Heating COP	3.1
Heat Capacity Range (Btu/h)	11,500 to 59,000
Refrigerant Type	R410A
De-Hum (Pints/Hr)	14.4
Power Voltage	208/230v-1Ph-60Hz
Breaker Size	40A
RLA Cooling/Heating (Amps)	21.5/22.2A
Controls	Wired
Indoor Unit	CH140CAV
Airflow-High Speed (CFM)	1000
Fan Speeds	Turbo-High-Med-Low
Noise Level Low/High (Db)	41
Width (Inches)	33"
Width (Inches)	33"
Total Depth (Inches)	11 3/4"
Weight (lbs)	63.8
Condensate Connection Ø	1 1/8" OD
Outdoor Unit	UH140CAV
Outdoor Noise Level (Db)	TBA
Width (Inches)	36 11/16"
Height (Inches)	44 7/16"
Total Depth (Inches)	14 3/4"
Weight (lbs)	209
Line Sets	
Size	3/8" & 3/4"
Max Line Set Length inc	246ft
Max Vertical Separation of	98ft
Charged with R410A for	25ft
Addl R410A charge required	0.4oz/ft over 25ft
Certifications	
Safety	ETL & ETLc
Performance	ARI Certified
ARI Certification Reference #	3298254
Warranty	5 Years Compressor
	3 Years Parts
	120 Days ltd labor
Options	25 or 50ft Line Sets
	Condensate Pumps
	Condenser Brackets



Construction

Unit chassis shall be constructed from galvanized steel insulated with closed cell foam to prevent sweating. 4 Key hole slots shall facilitate chassis mounting in the ceiling void
A decorative panel shall be attached to provide supply and return airflow, this panel shall be visible underneath the ceiling tile grid

Refrigerant System

Compressors shall be a hermetically sealed DC Inverter drive rotary type
Refrigerant shall be R410A.
Refrigerant flow shall be controlled by Electronic Expansion Valve located in the Outdoor unit

Indoor Fan

The indoor unit fan shall be statically and dynamically balanced for low noise levels
Quadruple auto swing louvers each with a single blade shall direct unit airflow as required via the panel

Condensate Pump

An internal condensate pump with a maximum head of 30" shall remove condensate from the Indoor unit

Controls

The unit shall be operated via wall mounted wired controller
Control signal shall be a DDC type signal
Control wiring shall require 16AWG shielded wire
Unit operating range shall be
Cooling 23 DegF to 115 DegF
Heating -4 DegF to 75 DegF

Air Filtration

Washable mesh Air Filter

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