



SUBMITTAL DH140CAV

MSP 48,000 Btu/h Heat Pump

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	13.6
Cool Capacity Range (Btu/h)	10,000 to 52,600
Nom Heating Capacity (Btu/h)	54,600
HSPF	9.1
Heating COP	3.6
Heat Capacity Range (Btu/h)	15,400 to 61,000
Refrigerant Type	R410A
De-Hum (Pints/Hr)	10.8
Power Voltage	208/230v-1Ph-60Hz
Breaker Size	40A
RLA Cooling/Heating (Amps)	22.0A/20.7A
Controls	Wired
Indoor Unit	DH140CAV
Airflows H-M-L (CFM)	1260 - 1100 - 970
Max External Static ("WC)	0.47"
Noise Level Low/High (Db)	49/50
Width (Inches)	47 1/4"
Height (Inches)	14 1/8"
Total Depth (Inches)	25 5/8"
Weight (lbs)	121
Supply Duct Connection (")	39 3/4" x 10"
Outdoor Unit	UH140CAV
Outdoor Noise Level (Db)	66
Width (Inches)	36 11/16"
Height (Inches)	44 7/16"
Total Depth (Inches)	14 3/4"
Weight (lbs)	207
Line Sets	
Size	3/8" & 3/4"
Max Line Set Length inc	246ft
Max Vertical Separation of	98ft
Charged with R410A for	25ft (116.4oz R410A)
Addl R410A charge required	0.45oz/ft over 25ft
Certifications	
Safety	UL & ULc
Performance	ARI Certified
ARI Certification Reference #	1505148
Warranty	5 Years Compressor 3 Years Parts 120 Days ltd labor
Options	25 or 50ft Line Sets Condensate Pumps Condenser Brackets



Construction

Indoor Unit shall be made from galvanized steel
The Outdoor unit shall be galvanized steel with a baked on powder coated finish for durability

Heat Exchangers

The heat exchangers shall be mechanically bonded fin to copper tube.

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

Indoor Fan

Indoor Fan are twin backward curved centrifugal type with a single fan motor
Units are capable of acting against 0.5" ESP
The outdoor unit fan shall be a propeller type

Controls

The unit shall be operated via a wired remote control
Control signal shall be a DDC type signal
Controls shall integrate with a BMS system
Control wiring shall require 16AWG shielded wire
Unit operating range shall be
Cooling 5 DegF to 122 DegF
Heating -4 DegF to 75 DegF

Air Filtration

As standard the unit has no air filtration
Filtration is field installed, pressure drop across the filter must be factored into the total ESP applied

Due to Samsung's policy of on-going product development specifications are subject to change without notice

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