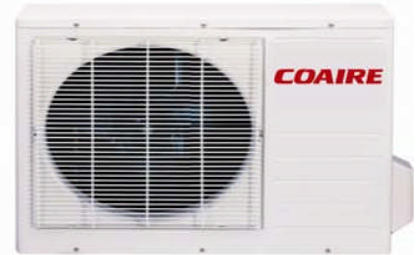


# SUBMITTAL CIH-18M2Z

18,000 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	
<b>General</b>	
Nom Cooling Capacity (Btu/h)	18,000
SEER	13.0
Condensate Removal (Pints/hr)	4.2 pt/hr
Nom Heating Capacity (Btu/h)	18,000
HSPF	7.7
Refrigerant Type	R41 0A
Power Voltage	208/230V-1 Ph-60Hz
Breaker Size	15A
RLA Cooling/Heating (Amps)	6.8A/7.0A
Controls	Wireless
<b>Indoor Unit</b>	
<b>CIH-18M2Z</b>	
Airflow-H-M-L Speed (CFM)	675 - 635 - 600
Fan Speeds	High-Med-Low
Noise Level H - M - L (Db)	50 - 47 - 44
Width (Inches)	42 1/2"
Height (Inches)	13"
Total Depth (Inches)	8 7/8"
Weight (lbs)	37.4lbs
Condensate Connection Ø	5/8" OD
<b>Outdoor Unit</b>	
<b>COH-18M2Z</b>	
Outdoor Noise Level (Db)	58
Width (Inches)	33 1/4"
Height (Inches)	23 3/8"
Total Depth (Inches)	13 1/8"
Weight (lbs)	118.8lbs
<b>Line Sets</b>	
Size	1/4" & 1/2"
Max Line Set Length inc	50 ft
Max Vertical Separation of	26ft
Charged with R41 0A for	25ft
Factory R410A Charge	74.6oz
Addl R41 0A charge required	0.3oz/ft
<b>Certifications</b>	
Safety	ETL & ETLc
<b>Warranty</b>	
	5 Years Compressor
	2 Year Parts
<b>Options</b>	
	25 or 50ft Line Sets
	Condensate Pumps
	Low Ambient



### Construction

Indoor Unit shall be made from UL94 V0 HIPS  
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. Fins shall have a hydrophilic coating

### Refrigerant System

Compressors shall be a hermetically sealed Rotary type, with an external overload protector  
Refrigerant shall be R41 0A.  
Refrigerant flow shall be controlled by Capillary tube  
Reversing valve shall be energized in the heating mode

### Indoor Fan

The indoor unit fan shall be statically and dynamically balanced. An auto swing louver with dual blades shall direct airflow

The outdoor unit fan shall be a propeller type

### Controls

The unit shall be operated via a wireless remote  
Temperature setting range 63 DegF to 86 DegF  
Control signal shall be a 0-5V AC signal  
Indoor unit power supply is 208/230V AC  
Wiring between Indoor & Outdoor shall be 14AWG  
Unit operating range shall be  
Cooling 65 DegF to 115 DegF Outdoor ambient  
Cooling in ambients below 65 DegF is possible using the low ambient option  
Heating, 14 DegF to 70 DegF Outdoor ambient

### Air Filtration

Dual washable Air Filters shall be accessed via the hinged front panel