



**ULTRA HEAT**

**ULTRA COOL**

**MULTI<sup>+</sup>ULTRA**

Multi-Room Ductless heat-pump systems 18,000 BTU

**Submittal Data: MULTIU18HP230V1DO Inverter Heat Pump System**

Job Name Location Date

Purchaser Engineer

Submitted To For  Reference  Approval  Construction

Unit Designation Schedule No.

- GENERAL FEATURES**
- Dual Indoor Units (2-Port)
  - G10 DC Inverter Technology - 2 Stage / 3 Cylinder
  - Automatic Defrosting
  - Compressor/Chassis Heaters
  - Copper Tubing w/ Acrylic-Resin Coated Aluminum Fins
  - Intelligent Defrost
  - Auto Restart on Power Outages
  - Mult-point Diagnostics
  - Limited 5 yr Parts & Compressor Warranty-Residential Only



**System Ratings**

Rated Cooling Capacity	18,000 BTUH
Cooling Capacity (min-max)	6,998-21,001 BTUH
Rated Heating Capacity	21,000 BTUH
Heating Capacity (min-max)	7,000-26,000 BTUH
SEER/EER	23.0 / 12.5
HSPF/COP	10.5 / 3.6

**Outdoor Unit Data**

<b>Compressor</b>	Type	DC Inverter Driven Rotary
	RLA	14.9 A
	Starting Current	5.0 A
<b>Fan Motor</b>	Output Power	90 W
	FLA	0.4 A
	Air Flow (Max)	2531 CFM
<b>Sound Pressure Level</b>		
	Cooling	58 dB(A)
	Heating	58 dB(A)
<b>Dimensions &amp; Weights</b>		
	Unit Dimensions Overall (WxDxH)*	39.5 x 16.8 x 31.1-in
	* including Valve Covers and Grilles	
	Weight (Net/Shipping)	172/183 lbs

**Operating Range**

Cooling - Low/High Ambient	(min-max)	0 ~ 118°F
		-18 ~ 48°C
Heating - Low Ambient (ULTRA)	(min-max)	'-31 ~ 75°F
		-35 ~ 24°C

Min. Number of Indoor Units	2
Max. Number of Indoor Units	2

**Power Supply**

Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
Voltage Range	187 - 253 V
Main Power Wire Size	10-2 AWG
Interconnecting Cable Wire Size	14-4 AWG
MCA	23.0 A
MOCP/Breaker Size	35 A

**Refrigerant Piping Data**

Refrigerant Type	R410A
Refrigerant Charge	77.6 oz
Additional Charge Per Line Length	0.2-oz/ft
Connection Method-Flared	1/4x3/8-in
Factory Charge for Total Line Length	66-ft
Total Refrigerant Pipe Length	164-ft
Max Refrigerant Piping Length to any Indoor Unit	82-ft
Min Refrigerant Piping Length to any Indoor Unit	10-ft
Max Elevation between Indoor Units	26-ft
Max Lift from Outdoor to Indoor Unit	26-ft
Max Drop from Outdoor to Indoor Unit	26-ft

