

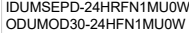


# **Kepler 28-B Series IDUMSEPD-24HRFN1MU0W Submittal Data Sheet**

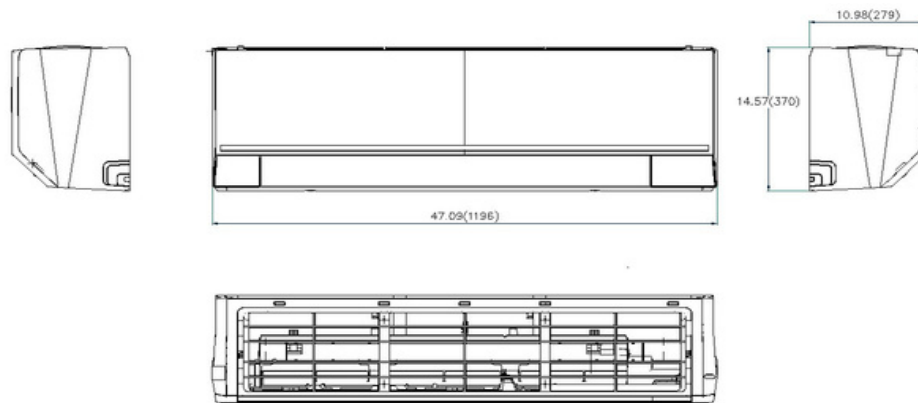
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HYPER HEAT WALL MOUNTED MINI-SPLIT INDOOR UNIT (UP TO -22°F/-30°C)

## SUBMITTAL DATA SHEET

| WALL MOUNTED HEAT PUMP SYSTEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                    |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Location: _____<br>Engineer: _____<br>Submitted to: _____<br>Submitted by: _____<br>Reference: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Approval: _____<br>Date: _____<br>Construction: _____<br>Unit #: _____<br>Drawing #: _____                                                                                                                         |  |  |
| <b>Set Code</b><br>Indoor unit code<br>Outdoor unit code<br><br><b>Set Model</b><br>Indoor unit model<br>Outdoor unit model<br><br><b>Certified</b><br><div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <br/>  </div> <div style="text-align: center;">  </div> </div> | <div style="text-align: center;"> <br/>  </div> |  |  |
| SYSTEM PERFORMANCE DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                    |  |  |
| <b>Powersupply</b><br>Normal Operational (V, Ph, Hz) 208/230V, 1Ph, 60Hz<br>Voltage Voltage Range (V) 187-253                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                    |  |  |
| <b>Electrical</b><br>Minimum circuit ampacity (Outdoor) (A) 25.0<br>Max. fuse (Outdoor) (A) 35.0<br>Connection wiring 14AWG*4                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                    |  |  |
| <b>Cooling</b><br>Capacity (Btu/h) 24000(6850~27000)<br>Power Input (W) 1845(310~2400)<br>Current (A) 8.1(2.12~11)<br>SEER2 (Btu/W) 21.5<br>EER2 (Btu/W) 13.0                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                    |  |  |
| <b>Heating</b><br>Capacity (Btu/h) 29000(11600~33000)<br>Power Input (W) 2500(670~3000)<br>Current (A) 10.9(4.32~13)<br>HSP F 2-4 (Btu/W) 11.4<br>HSP F 2-5 (Btu/W) 9.2<br>COP W/W 3.40<br>Heat at 17F(H32) (Btu/h) 21200<br>Heat at 5F(H42) (Btu/h) 25000<br>COP at 5F(H42) W/W 2.21                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                    |  |  |
| REFRIGERANT PIPE DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                    |  |  |
| Indoor unit N/A<br>Throttle type Outdoor unit EXV+Throttle valve<br>Design pressure (PSIG) 550/340<br>Refrigerant Type R410A<br>Refrigerant charge oz 91.71<br>Refrigerant precharge (ft) 25.0<br>(m) 7.5<br>Additional charge for each ft (oz/ft) 0.32<br>Additional charge for each m (g/m) 30.0<br>Liquid side/ Gas side(indoor) (inch) 3/8"/5/8"<br>(mm) 9.52/15.9<br>Liquid side/ Gas side(outdoor) (inch) 3/8"/5/8"<br>(mm) 9.52/15.9<br>(ft) 164.0<br>Max. pipe length (m) 50.0<br>(ft) 82.0<br>Max. difference in level (ft) 25.0<br>Connection method I (m) Flared                 |                                                                                                                                                                                                                    |  |  |
| INDOOR UNIT DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                    |  |  |
| <b>Indoor fan motor</b><br>Model Z KF P-58-8-1-6<br>Qty 1<br>Input (W) 58.00<br>Output (W) 58.0<br>RLA (A) 0.5<br>Speed(Hi/Mi/Lo) (r/min) 1000/850/700                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                    |  |  |
| <b>Air flow &amp; Noise level</b><br>Indoor airflow(Hi/Med/Lo) (No duct) (CF M) 718.82/611.18/414.12/3<br>Indoor noiselevel(Hi/Med/Lo) [dB(A)] 18.82 46/39/34<br>(L/H) 2.6                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                    |  |  |
| <b>Dehumidification</b><br><b>Indoor unit</b><br>Dimension (WxDxH) (inch) 47.09x10.98x14.57<br>(mm) 1196x279x370<br>Packing(WxDxH) (inch) 50.39x14.17x17.91<br>(mm) 1280x360x455<br>Net/Gross weight (lbs.) 43.65/54.89<br>(kg) 19.8/24.9                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                    |  |  |
| OUTDOOR UNIT DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                    |  |  |
| <b>Compressor</b><br>Type T win-ROTARY<br>Model KTM240D43UKT<br>Brand GMCC<br>Capacity (Btu/h) 25931<br>Input (W) 2045<br>Rated current (RLA) (A) 17.1<br>Refrigerant oil/oil charge (ml) ESTER OIL VG74 620                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                    |  |  |
| <b>Outdoor fan motor</b><br>Model ZKFN-120-8-2<br>Qty 1<br>Input (W) 150.0<br>Output (W) 120<br>RLA (A) 0.5<br>Speed (r/min) 950/800/500                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                    |  |  |
| <b>Air flow &amp; Noise level</b><br>Outdoor airflow (Max.) (CFM) 2235<br>Outdoor noiselevel [dB(A)] 62.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                    |  |  |
| <b>Outdoor unit</b><br>Dimension (WxDxH) (inch) 37.24x16.14x31.8<br>(mm) 946x410x810<br>(inch) 42.91x19.69x34.8<br>Packing (WxDxH) (mm) 41090x500x885<br>(lbs.) 134.48/144.40<br>Net/ Gross weight (kg) 61/65.5                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                    |  |  |

# INDOOR UNIT DIMENSION



# OUTDOOR UNIT DIMENSION

