

SUBMITTAL DATA SHEET



CH-30ASTWM-230VI / CH-EL30-230VO **30,000 BTU/H(208/230V)** **Wall Mounted Heat Pump System**

Location: _____ Approval: _____
 Engineer: _____ Date: _____
 Submitted to: _____ Construction: _____
 Submitted by: _____ Unit #: _____
 Reference: _____ Drawing #: _____

Set Model
 Indoor unit model CH-30ASTWM-230VI
 Outdoor unit model CH-EL30-230VO

Certified
 AHRI
 UL



SYSTEM PERFORMANCE DATA

Power supply
 Normal Operational Voltage (V, Ph, Hz) 208/230, 1, 60
 Voltage Range (V) 187-253

Electrical
 Minimum circuit ampacity (A) 23.0
 Max.fuse (A) 30.0

Cooling
 Rated Capacity (Btu/h) 30000
 Capacity Range (Btu/h) 9070-30700
 Power Input (Max) (W) 2605
 Rated current (A) 11.4
 SEER (Btu/W) 20
 EER (Btu/W) 11.5

Heating at 47F
 Rated Capacity (Btu/h) 30000
 Capacity Range (Btu/h) 8600-34800
 Power Input (Max) (W) 3380
 Rated current (A) 14.7
 HSPF4 (Btu/W) 9.6
 HSPF5 (Btu/W) 8
 COP W/W 2.60

Heating at 17F
 Max Capacity (Btu/h) 19000

REFRIGERANT PIPE DATA

Design pressure (PSIG) 550/340
 Refrigerant Type (Oz) R410A/97
 Refrigerant precharge (ft) 25.0
 (m) 7.6
 Additional charge for each ft (oz/ft) 0.32
 (g/ft) 30
 Liquid side/ Gas side (inch) 3/8" / 5/8"
 (mm) 9.52/15.9
 Max. pipe length (ft) 164.0
 (m) 50.0
 Max. difference in level (ft) 82.0
 (m) 25.0
 Connection method (Flared)

Indoor(cooling/ heating) (Deg. °F) 63~90 / 32~86
 (Deg. °C) 17~32 / 0~30
 Outdoor(cooling/heating) (Deg. °F) 5~122 / 5~75
 (Deg. °C) -15~50 / -15~24
 Application area (sq.ft) 430.56~635.07
 (m2) 40~59

INDOOR UNIT DATA

Indoor fan motor
 Type Cross-Flow
 Model ZKFP-58-8-1-6
 Qty 1
 Input (W) 58.0
 RLA (A) 0.5
 LRA (A) ---
 Winding Resistance (Ω) ---
 Capacitor (μF) ---
 Speed(Hi/Mi/Lo) (r/min) 1050/880/630

Air flow & Noise level
 Indoor air flow (Hi/Med/Lo) (h) (CFM) 646.47/505.29/382.35
 Indoor noise level (Hi/Med/Lo) [dB(A)] 46/40.5/33

Dehumidification (Pint/H) ---

Indoor unit
 Dimension (WxDxH) (inch) 47.09x10.98x14.57
 (mm) 1196x279x370
 Packing(WxDxH) (inch) 50.39x14.17x17.91
 (mm) 1280x360x455
 Net/Gross weight (lbs.) 43.65/54.89
 (kg) 19.8/24.9

OUTDOOR UNIT DATA

Compressor
 Type KTF250D22UMT
 Model ROTARY
 Brand GMCC
 Capacity (Btu/h) 27621.286
 Input (W) 2200
 Rated current (RLA) (A) -
 Refrigerant oil/oil charge (ml) -
 Throttle Capillary +EXV

Outdoor fan motor
 Model ZKFN-120-8-2
 Qty 1
 Input (W) ---
 RLA (A) ---
 Speed (r/min) 900/750

Air flow & Noise level
 Outdoor air flow (Max.) (CFM) 2235.30
 Outdoor noise level [dB(A)] 61.5

Outdoor unit
 Dimension (WxDxH) (inch) 37.24x16.14x31.89
 (mm) 946x410x810
 Packing (WxDxH) (inch) 42.91x19.69x34.84
 (mm) 1090x500x885
 Net/ Gross weight (lbs.) 141.76/151.90
 (kg) 64.3/68.9

