




Panasonic

SUBMITTAL DATA SHEET

| AHU Heat Pump System | |
|----------------------|---------------------|
| Location: _____ | Approval: _____ |
| Engineer: _____ | Date: _____ |
| Submitted to: _____ | Construction: _____ |
| Submitted by: _____ | Unit #: _____ |
| Reference: _____ | Drawing #: _____ |

| | |
|-----------------------|---|
| Set Model | |
| Indoor unit model | CS-HE36YAHK6 |
| Outdoor unit model | CU-HE36YAHK6 |
| AHRI Reference Number | 212396495 |
| Certified | |
| AHRI |  |
| UL |  |
| |  |



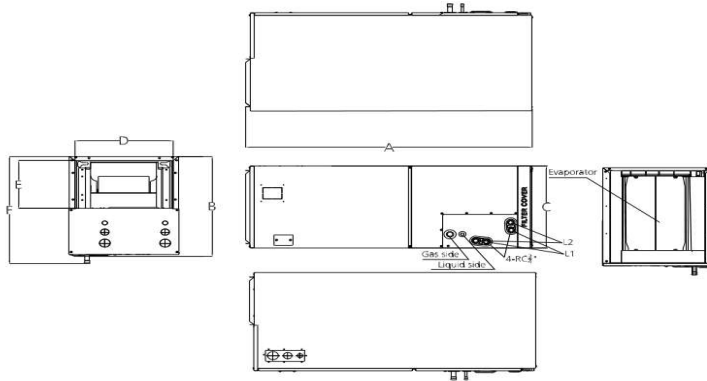
| SYSTEM PERFORMANCE DATA | | | |
|------------------------------------|-------------|----------------------------|--|
| Power supply | | | |
| Normal Operational Voltage | (V, Ph, Hz) | 208/230V, 1Ph, 60Hz | |
| Voltage Range | (V) | 187-253 | |
| Electrical | | | |
| Minimum circuit ampacity (Outdoor) | (A) | 30.0 | |
| Max.fuse (Outdoor) | (A) | 50.0 | |
| Connection wiring | | 14AWG*2 Stranded, shielded | |
| Cooling | | | |
| Capacity | (Btu/h) | 36000(13000-47400) | |
| Power Input | (W) | 3673(462-5700) | |
| Current | (A) | 15.97(3.53-25) | |
| SEER2 | (Btu/W) | 16.0 | |
| EER2 | (Btu/W) | 9.8 | |
| Heating | | | |
| Capacity | (Btu/h) | 40000(11000-57200) | |
| Power Input | (W) | 3448(593-5700) | |
| Current | (A) | 15(4.34-25) | |
| HSPF2-4 | (Btu/W) | 9.5 | |
| HSPF2-5 | (Btu/W) | 7.8 | |
| COP | W/W | 3.36 | |
| Heat at 17F(H32) | (Btu/h) | 30500 | |
| Heat at 5F(H42) | (Btu/h) | 34400 | |
| COP at 5F(H42) | W/W | 1.97 | |

| REFRIGERANT PIPE DATA | | |
|--------------------------------|--------------|-----------------|
| Throttle type | Indoor unit | EEV for cooling |
| | Outdoor unit | EEV for heating |
| Design pressure | (PSIG) | 550/340 |
| Refrigerant Type | | R410A |
| Refrigerant charge | oz | 165.79 |
| Refrigerant precharge | (ft) | 25.0 |
| | (m) | 7.5 |
| Additional charge for each ft | (oz/ft) | 0.69 |
| Additional charge for each m | (g/m) | 65.0 |
| Liquid side/ Gas side(indoor) | (inch) | 3/8" / 3/4" |
| | (mm) | 9.52/19 |
| Liquid side/ Gas side(outdoor) | (inch) | 3/8" / 3/4" |
| | (mm) | 9.52/19 |
| Max. pipe length | (ft) | 213.3 |
| | (m) | 65.0 |
| Max. difference in level | (ft) | 98.4 |
| | (m) | 30.0 |
| Connection method | | Flared |
| Indoor(cooling) | (Deg. °F) | 60~90 |
| | (Deg. °C) | 16~32 |
| Indoor(heating) | (Deg. °F) | 32~86 |
| | (Deg. °C) | 0~30 |
| Outdoor(cooling) | (Deg. °F) | 5~122 |
| | (Deg. °C) | -15~50 |
| Outdoor(heating) | (Deg. °F) | -22~75 |
| | (Deg. °C) | -30~24 |

| INDOOR UNIT DATA | | | |
|---------------------------------------|---------|------------------------------|--|
| Indoor fan motor | | | |
| Model | | ZKFD-375-8-1-1 | |
| Qty | | 1 | |
| Input | (W) | / | |
| Output | (W) | / | |
| RLA | (A) | 4.0 | |
| Speed(Hi/Mi/Lo) | (r/min) | / | |
| Air flow & Noise level | | | |
| Indoor air flow (Hi/Med/Lo) (No duct) | (CFM) | 188.24/1082.35/970.59/864.71 | |
| Indoor noise level (Hi/Med/Lo) | [dB(A)] | 45/43/41 | |
| Dehumidification | (L/H) | 3.49 | |
| Indoor unit | | | |
| Dimension (WxDxH) | (inch) | 21.02x21.02x49.02 | |
| | (mm) | 534x534x1245 | |
| Packing(WxDxH) | (inch) | 26.57x24.41x52.56 | |
| | (mm) | 675x620x1335 | |
| Net/Gross weight | (lbs.) | 129.19/155.64 | |
| | (kg) | 58.670.6 | |
| Accessories | | | |
| Adaptor for welding(3/4") | Qty | 1 | |
| Adaptor for welding(3/8") | Qty | 1 | |

| OUTDOOR UNIT DATA | | | |
|-----------------------------------|---------|--------------------------|--|
| Compressor | | | |
| Type | | ROTARY | |
| Model | | EAPQ420D1UMUA | |
| Brand | | GMCC | |
| Capacity | (Btu/h) | 44015 | |
| Input | (W) | 3565 ±3% | |
| Rated current (RLA) | (A) | 32 | |
| Refrigerant oil/oil charge | (ml) | 1460±15ml ESTER OIL VG74 | |
| Outdoor fan motor | | | |
| Model | | ZKFN-85-8-22-5 | |
| Qty | | 2 | |
| Input | (W) | 126.0 | |
| Output | (W) | 85 | |
| RLA | (A) | 1.2 | |
| Speed | (r/min) | 850/750/650 | |
| Air flow & Noise level | | | |
| Outdoor air flow (Max.) | (CFM) | 4500 | |
| Outdoor noise level | [dB(A)] | 64.0 | |
| Outdoor unit | | | |
| Dimension (WxDxH) | (inch) | 37.48x16.34x52.48 | |
| | (mm) | 952x415x1333 | |
| Packing (WxDxH) | (inch) | 43.11x19.49x58.27 | |
| | (mm) | 1095x495x1480 | |
| Net/ Gross weight | (lbs.) | 227.07/255.73 | |
| | (kg) | 103/116 | |
| Accessories | | | |
| Adaptor for welding(3/4") | Qty | 1 | |
| Adaptor for welding(3/8") | Qty | 1 | |

Indoor unit dimension



| Model | Unit | Dimensions(mm) | | | | | | Drain hole | |
|---------|------|----------------|-----|--------|---------|--------|-----|------------|----------------|
| | | A | B | C | D | E | F | L1 | L2 |
| 18k-24k | mm | 1143 | 534 | 445 | 400 | 260 | 585 | Main drain | Overflow drain |
| | inch | 45 | 21 | 17-1/2 | 15-3/4 | 10-1/4 | 23 | | |
| 30k-48k | mm | 1245 | 534 | 534 | 490 | 260 | 585 | | |
| | inch | 49 | 21 | 21 | 19-5/16 | 10-1/4 | 23 | | |
| 60k | mm | 1346 | 534 | 622 | 580 | 260 | 585 | | |
| | inch | 53 | 21 | 24-1/2 | 22-7/8 | 10-1/4 | 23 | | |

Outdoor unit dimension

