

Submittal Data Sheet 24K Hyper



| | |
|--------------------|-------------------|
| Code | |
| Indoor unit code | 22022511000481 |
| Outdoor unit code | 32022016000001 |
| Model | |
| Indoor unit model | MCDU-24HRFN1-M(C) |
| Outdoor unit model | MOD30-24HFN1-MT0W |

PERFORMANCE DATA

| | | |
|--------------|---------|-------------------|
| Power supply | Ph-V-Hz | 208/230V,1Ph,60Hz |
|--------------|---------|-------------------|

Cooling

| | | |
|---------------|-------|-------|
| Capacity | Btu/h | 24000 |
| Input | W | 2182 |
| Rated current | A | 9.98 |
| EER | Btu/w | 11 |
| SEER | Btu/w | 20 |

Heating at 47

| | | |
|---------------|-------|-------|
| Capacity | Btu/h | 24000 |
| Input | W | 2034 |
| Rated current | A | 9.31 |
| COP | W/W | 3.46 |
| HSPF4 | | 11.5 |
| HSPF5 | | 10 |

Electrical

| | | |
|--------------------------|---|----------|
| MINIMUM CIRCUIT AMPACITY | A | 20 |
| MAX. FUSE | A | 30 |
| Connection wiring | | 16*4 AWG |

Compressor

| | | |
|----------------------------|-------|---------------|
| Model | | ATF235D22UMT |
| Type | | ROTARY |
| Brand | | GMCC |
| Capacity | Btu/h | 24345 |
| Input | W | 1970 |
| Rated current(RLA) | A | 14 |
| Locked rotor Amp(LRA) | A | --- |
| Thermal protector | | --- |
| Thermal protector position | | --- |
| Refrigerant oil/oil charge | ml | POE(VG74)/670 |

SYSTEM DATA

| | | |
|------------------------------|--------|------------------------|
| Design pressure | PSIG | 550/340 PSIG |
| Refrigerant type | oz | R410A/91.7 |
| Refrigerant precharge | ft | 25 |
| Additional charge per ft. | oz | 0.32 |
| Liquid side/ Gas side | mm(in) | Φ9.52/Φ15.9(3/8"/5/8") |
| Max. refrigerant pipe length | ft | 164 |
| Max. difference in level | ft. | 82 |

INDOOR UNIT DATA

Indoor fan motor

| | | |
|--------------------|-------|-------------|
| Model | | ZKFP-42-8-1 |
| Type | | DC |
| Input | | 58 |
| RLA | A | 2 |
| LRA | A | --- |
| Winding Resistance | Ω | --- |
| Capacitor | uF | --- |
| Speed(Hi/Mi/Lo) | r/min | 600/520/450 |

Air flow & Noise level

| | | |
|----------------------------|-------|-------------|
| Indoor air flow (Hi/Lo) | CFM | 878/761/625 |
| Indoor noise level (Hi/Lo) | dB(A) | 44/41/38 |

Indoor unit

| | | |
|------------------|------|------------------|
| Dimension(W*D*H) | inch | 33.07x33.07x8.07 |
| Packing (W*D*H) | inch | 35.43x35.43x8.54 |
| Net/Gross weight | lbs. | 46.3/54.23 |

OUTDOOR UNIT DATA

Outdoor fan motor

| | | |
|--------------------|-------|--------------|
| Model | | ZKFN-120-8-2 |
| Type | | DC |
| Input | | 150 |
| RLA | A | 0.5 |
| LRA | A | --- |
| Winding Resistance | Ω | --- |
| Capacitor | uF | --- |
| Speed | r/min | 810 |

Air flow & Noise level

| | | |
|---------------------|-------|------|
| Outdoor air flow | CFM | 2354 |
| Outdoor noise level | dB(A) | 61 |

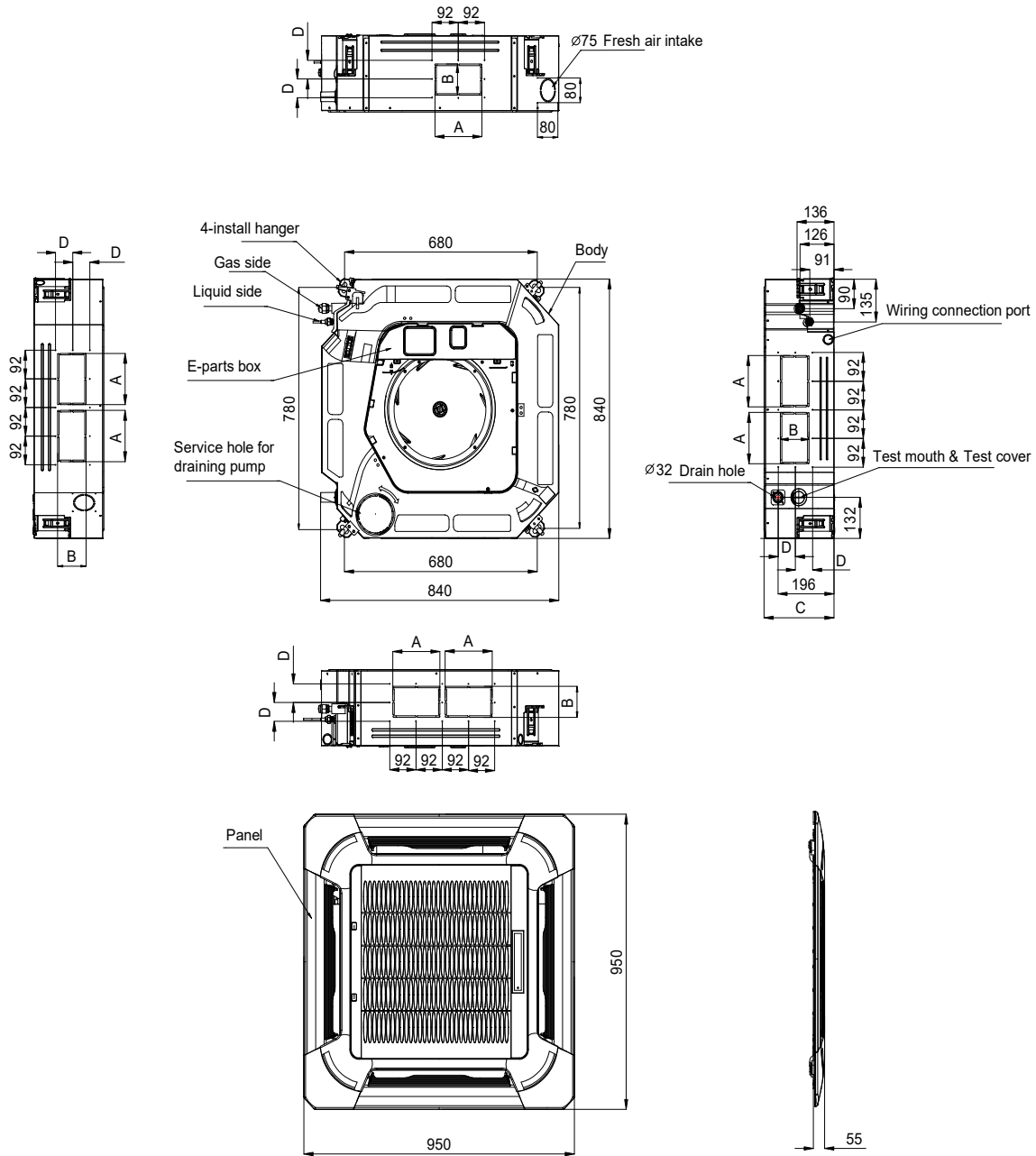
Outdoor unit

| | | |
|------------------|------|-------------------|
| Dimension(W*D*H) | inch | 37.24x16.14x31.89 |
| Packing (W*D*H) | inch | 42.91x19.69x34.45 |
| Net/Gross weight | lbs. | 135.58/148.81 |

Operation temperature

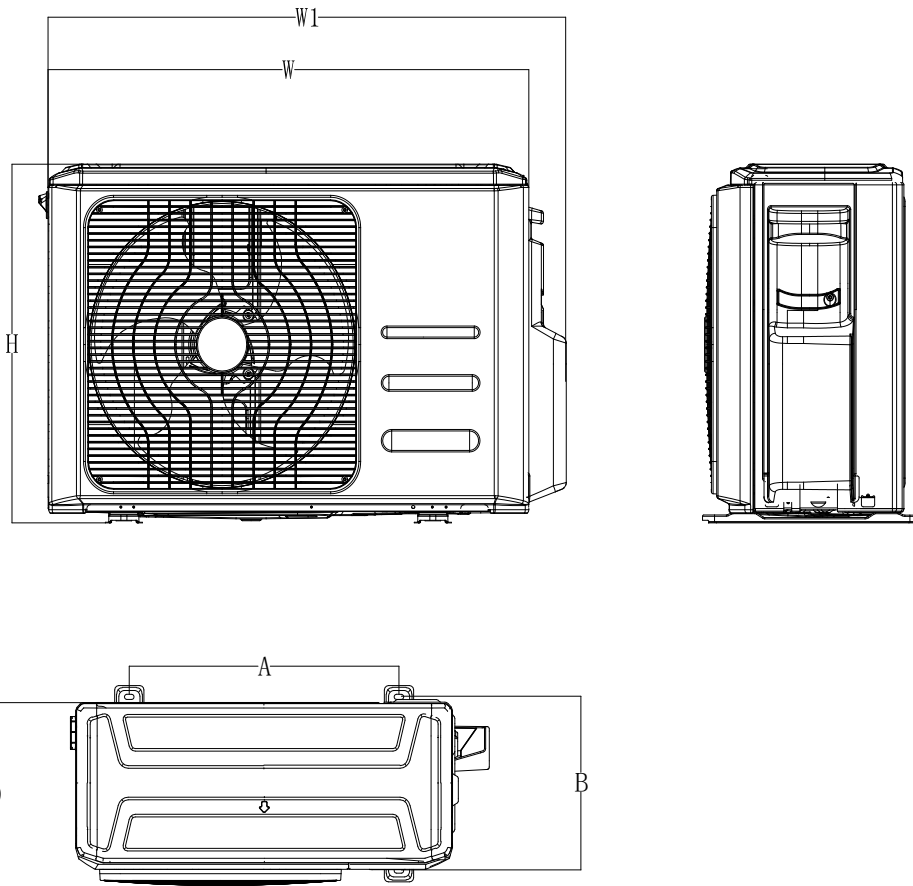
| | | |
|--------------------------|--------|-----------------|
| Indoor(cooling/ heating) | Deg. F | 62~90/32~86 |
| Outdoor(cooling/heating) | Deg. F | -22~122/ -22~86 |
| Application area | sq.ft | 344-505 |

INDOOR UNIT



| | A | B | C | D | E |
|---|---------|-----|----|-----|----|
| 1 | Unit:mm | | | | |
| 2 | Model | A | B | C | D |
| 3 | 24K | 160 | 75 | 205 | 50 |

OUTDOOR UNIT



| Model | W (inch) | D (inch) | H (inch) | W1 (inch) | A (inch) | B (inch) |
|-------------------|----------|----------|----------|-----------|----------|----------|
| MOD30-24HFN1-MTOW | 37.2 | 16.1 | 31.9 | 40.6 | 26.5 | 15.9 |