



Submittal Data Sheet

Indoor Unit Model#: EZ-36-AHB
Outdoor Unit Model#: EZ-36-EHPB

Stealth 36K DIYCOOL R454B Ducted Air Handler & 36K Std. Heat Pump Condenser

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



| INDOOR UNIT SPECIFICATIONS | | |
|---|--|------------------------|
| Indoor Airflow (Turbo/Hi/Med/Lo/Si) (CFM) | 1188.97 / 1083.02 / 971.19 / 865.24 / NA | |
| Indoor Noise Level (Turbo/H/M/L/Si) (dBA) | NA / 48 / 45 / 28 / NA | |
| Dimension (WxDxH) | inch | 21.02 x 21.02 x 49.02 |
| | mm | 534.0 x 534.0 x 1245.0 |
| Package (WxDxH) | inch | 26.57 x 24.41 x 50.39 |
| | mm | 675 x 620 x 1280 |
| Net/Gross Weight | lbs | 129.41 / 153.88 |
| | kg | 58.7 / 69.8 |

| OUTDOOR UNIT SPECIFICATIONS | | |
|------------------------------|--------------|-----------------------|
| Compressor Type | ROTARY | |
| Compressor Model | KTF310D43UMT | |
| Refrigerant Type | R454B | |
| Refrigerant Oil Charge (mL) | 1000 | |
| Refrigerant Oil | VG74 | |
| Outdoor Air Flow (Max) (CFM) | 2413.2 | |
| Outdoor Noise Level (dBA) | 63 | |
| Dimension (WxDxH) | inch | 37.24 x 16.14 x 31.89 |
| | mm | 946.0 x 410.0 x 810.0 |
| Package (WxDxH) | inch | 42.91 x 19.88 x 35.04 |
| | mm | 1090 x 505 x 890 |
| Net/Gross Weight | lbs | 153.22 / 163.58 |
| | kg | 69.5 / 74.2 |

| EFFICIENCY RATINGS | | | |
|--------------------|------|---------|------|
| Cooling | | Heating | |
| SEER2 | 16.1 | HSPF2-4 | 8.7 |
| EER2 | 10.0 | COP | 3.40 |

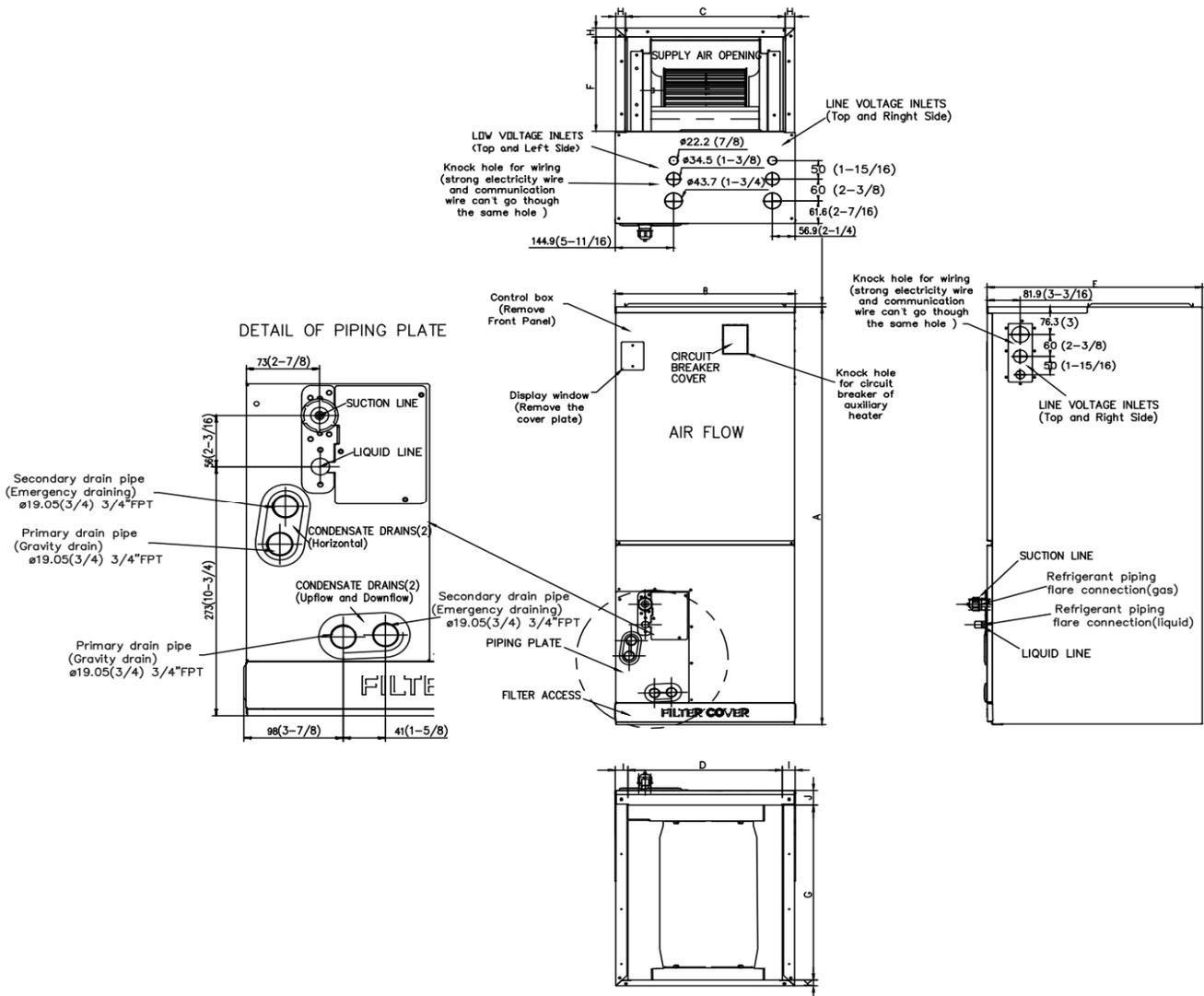
| COOLING PERFORMANCE | |
|----------------------------------|---|
| Cooling (Btu/hr) | |
| Rated Capacity | 36000 |
| Min/Max Capacity | 8300 ~ 38900 |
| Moisture Removal (L/h) | 3.62 |
| Standard Operating Range (°F/°C) | -13°F ~ 122°F (-25°C ~ 50°C) |
| Conditions: | Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB |

| HEATING PERFORMANCE | |
|---|---|
| Heating (Btu/hr) | |
| 1. @ 47°F Rated Capacity | 36000 |
| 1. @ 47°F Min/Max Capacity | 6700 ~ 41300 |
| 2. @ 17°F Rated Capacity | 25600 |
| 3. @ 5°F Rated: Capacity / COP | 27000 / 2 |
| 3. @ 5°F Max: Capacity | 27000 |
| Standard Operating Range (°F/°C) | -13°F ~ 75°F (-25°C ~ 24°C) |
| 1. Rated Heating Conditions: | Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB |
| 2. Rated Heating Conditions: | Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB |
| 3. Heating Conditions, Compressor Operating at Max. Frequency | Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB |

| ELECTRICAL SPECIFICATIONS | |
|----------------------------------|--|
| Indoor Power Supply | 115/208/230V, 60Hz, 1Ph |
| Indoor MCA 115V/(208/230V) | 8.0 / 6.0 |
| Indoor MOP | 15 |
| Outdoor Power Supply | 208/230V, 60Hz, 1Ph |
| Outdoor MCA | 24 |
| Outdoor MOP | 30 |
| Communication Wiring | AWG 20-2 |
| Compressor RLA | 17.5 |
| Outdoor Fan Motor RLA | 1.5 |
| Outdoor Fan Motor W | 120 |
| Indoor Fan Motor RLA | 4.5 |
| Indoor Fan Motor W | 375 |
| System Power Input @ Cooling (W) | 3600 (710 ~ 4500) |
| System Power Input @ Heating (W) | 3100 (460 ~ 3550) |
| MCA: Min. circuit amps (A) | MOCP: Max. over current protection (A) |
| RLA: Rated load amps (A) | W: Fan motor rated output (W) |

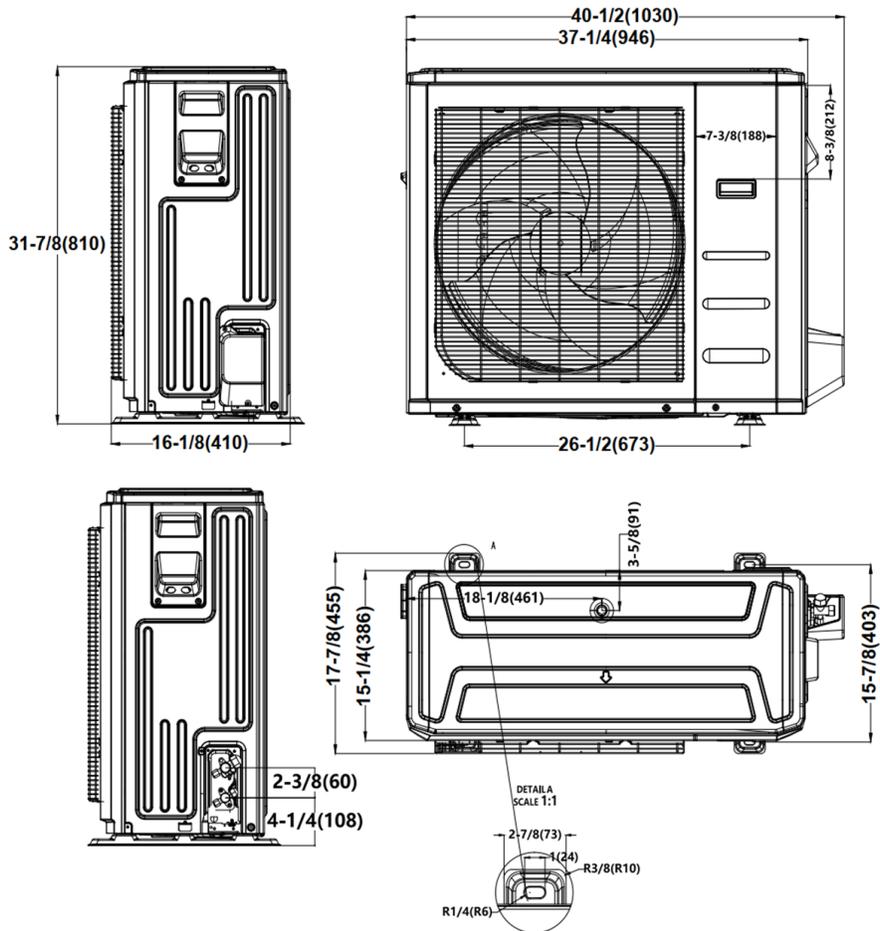
| REFRIGERANT PIPING SPECIFICATIONS | |
|--|----------------|
| Throttle type (Indoor) | EXV |
| Throttle type (Outdoor) | EXV |
| Liquid Size | 9.52mm (3/8in) |
| Gas Size | 19mm (3/4in) |
| Max. Piping Length (ft/m) | 246 (75) |
| Max. Height Difference (ft/m) | 98.4 (30) |
| Max. Pre-charged Length (ft/m) | 24.6 (7.5) |
| Refrigerant Pre-charged Amount (oz/g) | 116.4 (3.3) |
| Additional Charge of Refrigerant ((oz/ft)/(g/m)) | 0.7 (65) |
| Connection Method | Connector |

Indoor Unit Dimensions

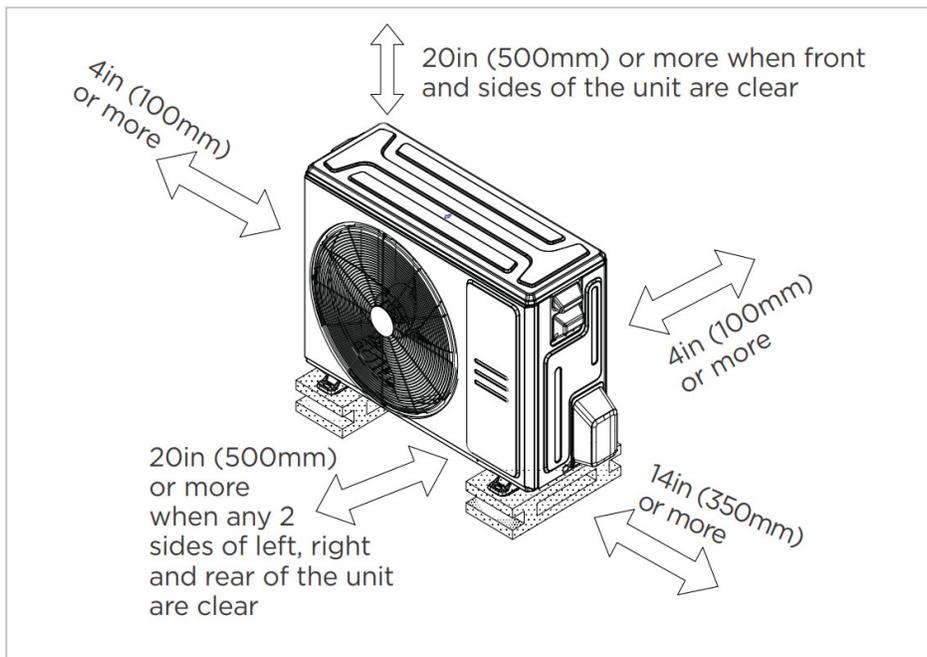


| Dimensions | Model | 24K | | 36K | | 48K / 60K | |
|------------|------------------------------------|--------|------|--------|------|-----------|------|
| | | inch | mm | inch | mm | inch | mm |
| A | Model Height | 45 | 1143 | 49 | 1245 | 53 | 1346 |
| B | Model Width | 17-1/2 | 445 | 21 | 534 | 24-1/2 | 622 |
| C | Supply Air Opening Width | 15-5/8 | 397 | 19-1/8 | 486 | 22-5/8 | 575 |
| D | Return Air Opening Width | 15-1/8 | 384 | 18-5/8 | 473 | 22-1/8 | 562 |
| E | Model Depth | 21 | 534 | 21 | 534 | 21 | 534 |
| F | Supply Air Opening Depth | 10-1/4 | 260 | 10-1/4 | 260 | 10-1/4 | 260 |
| G | Return Air Opening Depth | 18-3/4 | 476 | 18-3/4 | 476 | 18-3/4 | 476 |
| H | Supply Air Opening Clearance | 15/16 | 24 | 15/16 | 24 | 15/16 | 24 |
| I | Return Air Opening Side Clearance | 1-1/4 | 32 | 1-1/4 | 32 | 1-1/8 | 28 |
| J | Return Air Opening Front Clearance | 1-1/2 | 38 | 1-5/8 | 41 | 1-5/8 | 41 |
| K | Return Air Opening Back Clearance | 5/8 | 16 | 5/8 | 16 | 3/4 | 19 |

Outdoor Unit Dimensions

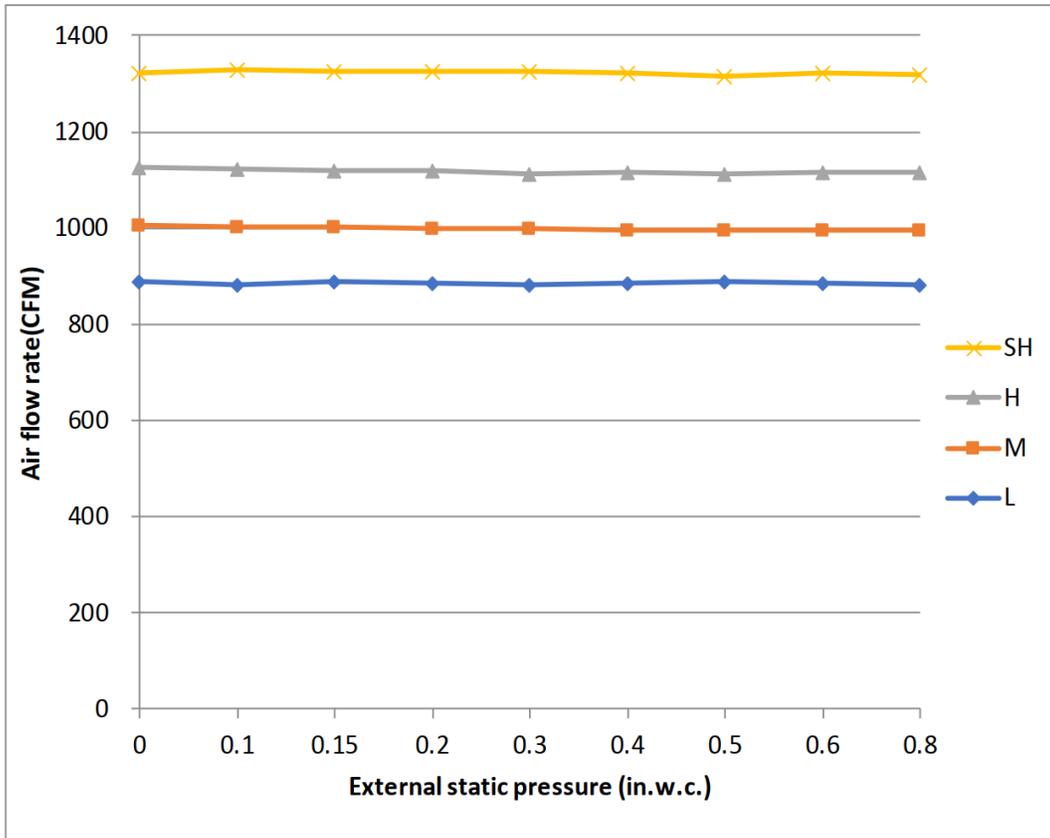


Installation Instructions For Outdoor Unit



Meets all spatial requirements shown in Installation Clearance Requirements above.

Fan Performance For Indoor Unit



Features

- Multi-position installation: horizontal (left or right), vertical (up or down)
- Aluminum Coil
- Constantly Air Flow system up to 0.80 In.W.G
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency (optional)
- Optional Auxiliary heat kit up to 25kW
- Easy Maintenance
- Multiple control options available:
 - Two way communication wired controller: 120N(X6)
 - Two way communication wired controller with built-in WiFi: 120N(X6W)
 - Wireless remote controller
 - Third-Party 24V Thermostat
- Adaptive Control System
- High efficiency up to 18.8 SEER2, 11 EER2, 9.7 HSPF2
- Chassis heater and crankcase heater equipped as standard