

1. SPECIFICATIONS

1-1. COMBINATIONS

9000+9000+9000, 12000+9000+9000, 12000+12000+9000 Btu/h

OUTDOOR UNIT
AOU36R

OUTDOOR UNIT
AOU36R

| TYPE | | | INVERTER MULTI MODELS | | | | | | | | | |
|-----------------------------------|------------------------|------------|--------------------------------------------------------|------------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| MODEL NAME | | | HEAT PUMP TYPE | | | | | | | | | |
| INDOOR UNIT COMBINATION | | | 9+9+9 | | | 12+9+9 | | | 12+12+9 | | | |
| CONNECTION PATTERN OF INDOOR UNIT | | | Wall Mounted | Ducted | Cassette | Wall Mounted | Ducted | Cassette | Wall Mounted | Ducted | Cassette | |
| POWER SOURCE | | | 230/208V ~ 60Hz | | | | | | | | | |
| AVAILABLE VOLTAGE RANGE | | | 187-253V ~ 60Hz | | | | | | | | | |
| SEER | | | 15.00 | 14.00 | 16.00 | 15.00 | 14.00 | 16.00 | 15.00 | 14.00 | 16.00 | |
| HSPF | | | 9.00 | 8.60 | 9.40 | 9.00 | 8.60 | 9.40 | 9.00 | 8.60 | 9.40 | |
| CAPACITY | COOLING | RATED | BTU/h | 27600 | 26600 | 27000 | 30400 | 29200 | 29800 | 33000 | 31400 | 32200 |
| | | | kW | 8.10 | 7.80 | 7.92 | 8.90 | 8.60 | 8.76 | 9.70 | 9.20 | 9.42 |
| | | MIN.-MAX. | BTU/h | 11000 - 33000 | 11000 - 33000 | 11000 - 33000 | 11000 - 33800 | 11000 - 33800 | 11000 - 33800 | 11000 - 34600 | 11000 - 34600 | 11000 - 34600 |
| | | kW | 3.2 - 9.7 | 3.2 - 9.7 | 3.2 - 9.7 | 3.2 - 9.9 | 3.2 - 9.9 | 3.2 - 9.9 | 3.2 - 10.1 | 3.2 - 10.1 | 3.2 - 10.1 | |
| | HEATING | RATED | BTU/h | 33000 | 33000 | 33000 | 35400 | 35400 | 35400 | 37000 | 36200 | 36600 |
| | | | kW | 9.66 | 9.66 | 9.66 | 10.38 | 10.38 | 10.38 | 10.80 | 10.60 | 10.74 |
| MIN.-MAX. | | BTU/h | 11000 - 40200 | 11000 - 40200 | 11000 - 40200 | 11000 - 40600 | 11000 - 40600 | 11000 - 40600 | 11000 - 41000 | 11000 - 41000 | 11000 - 41000 | |
| | kW | 3.2 - 11.8 | 3.2 - 11.8 | 3.2 - 11.8 | 3.2 - 11.9 | 3.2 - 11.9 | 3.2 - 11.9 | 3.2 - 12.0 | 3.2 - 12.0 | 3.2 - 12.0 | | |
| INPUT POWER | COOLING | RATED | kW | 2.75 | 2.85 | 2.80 | 3.30 | 3.40 | 3.35 | 3.75 | 3.90 | 3.83 |
| | | MAX. | | 3.74 | 3.74 | 3.74 | 4.10 | 4.38 | 4.38 | 4.10 | 4.38 | 4.38 |
| | RATED | 2.96 | | 3.50 | 3.23 | 3.10 | 3.90 | 3.50 | 3.30 | 4.20 | 3.75 | |
| | MAX. | 3.80 | | 4.30 | 4.30 | 4.10 | 4.30 | 4.30 | 4.10 | 4.30 | 4.30 | |
| CURRENT | COOLING | RATED | A | 12.0 | 12.4 | 12.2 | 14.4 | 14.8 | 14.6 | 16.4 | 17.0 | 16.7 |
| | | MAX. | | 16.4 | 16.4 | 16.4 | 18.0 | 19.1 | 19.1 | 18.0 | 19.1 | 19.1 |
| | RATED | 13.0 | | 15.3 | 14.1 | 13.5 | 17.0 | 15.3 | 14.5 | 18.3 | 16.4 | |
| | MAX. | 16.6 | | 18.8 | 18.8 | 18.0 | 18.8 | 18.8 | 18.0 | 18.8 | 18.8 | |
| EER | COOLING | RATED | BTU/W | 10.00 | 9.30 | 9.60 | 9.20 | 8.55 | 8.85 | 8.80 | 8.05 | 8.40 |
| COP | HEATING | RATED | W/W | 3.26 | 2.76 | 2.98 | 3.34 | 2.66 | 2.96 | 3.26 | 2.52 | 2.86 |
| STARTING CURRENT | | | A 15 | | | | | | | | | |
| FAN | AIR FLOW RATE | COOLING | CFM (m ³ /h) | 2119 (3600) | | | | | | | | |
| | | HEATING | | 2237 (3800) | | | | | | | | |
| | TYPE x Q'ty | | Propeller x 1 | | | | | | | | | |
| MOTOR OUTPUT | | | W 100 | | | | | | | | | |
| SOUND PRESSURE LEVEL | COOLING | | dB(A) | 51 | | | | | | | | |
| | HEATING | | | 53 | | | | | | | | |
| HEAT EXCHANGER TYPE | DIMENSION (HxWxD) | | in. (mm) | 31-13/32 x 35-7/16 x 1-7/16 (798x900x36.38) | | | | | | | | |
| | FIN PITCH | | FPI | 18 | | | | | | | | |
| | ROWS x STAGES | | 2 x 32 | | | | | | | | | |
| | PIPE TYPE | | COPPER | | | | | | | | | |
| | FIN TYPE | | ALUMINUM | | | | | | | | | |
| COMPRESSOR | TYPE x Q'ty | | DC TWIN ROTARY x 1 | | | | | | | | | |
| | MOTOR OUTPUT | | W | 1300 | | | | | | | | |
| REFRIGERANT | TYPE | | R410A | | | | | | | | | |
| | CHARGE | | lb. oz. (g) | 7lb. 1oz. (3200) | | | | | | | | |
| REFRIGERANT OIL | TYPE | | POE | | | | | | | | | |
| ENCLOSURE | MATERIAL | | STEEL SHEET | | | | | | | | | |
| | COLOR | | BEIGE (Approximate color of MUNSELL 10YR 7.5 / 1.0) | | | | | | | | | |
| DIMENSIONS HxWxD | NET | | in. (mm) | 32-11/16 x 35-7/16 x 13 (830x900x330) | | | | | | | | |
| | GROSS | | | 38-3/16 x 41-11/32 x 17-17/32 (970x1050x445) | | | | | | | | |
| WEIGHT | NET | | lb. (kg) | 149 (68) | | | | | | | | |
| | GROSS | | | 167 (76) | | | | | | | | |
| CONNECTION PIPE | SIZE | LIQUID | in. (mm) | Φ 1/4 x 4 (6.35x 4) | | | | | | | | |
| | | GAS | | Φ 3/8 x 3 + Φ 1/2 (9.52x 3+12.7) | | | | | | | | |
| | CONNECTION METHOD | | FLARE | | | | | | | | | |
| | MAX LENGTH (total) | | 230 (70) | | | | | | | | | |
| | MAX LENGTH (each unit) | | 82 (25) | | | | | | | | | |
| | MIN LENGTH (each unit) | | 16 (5) | | | | | | | | | |
| MAX HEIGHT | | 49 (15) | | | | | | | | | | |
| OPERATION | COOLING | | °F (°C) | 32 to 115 (0 to 46) , *14 to 115 (-10 to 46) | | | | | | | | |
| | HEATING | | | 14 to 75 (-10 to 24) | | | | | | | | |

Note:

Specifications are based on the following conditions.

Power source of specifications : 230V

Cooling: Indoor temperature of 80°F (26.7°C) DB / 67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.

Heating: Indoor temperature of 70°F (21.1°C) DB / 60°F (15.6°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F (6.1°C) WB.

Pipe length : 24ft. 7in. (7.5m), Height difference : 0 ft. (0m) [Outdoor unit - Indoor unit]

*: Operation up to 14°F (-10°C) is possible only in cases in which 2 or more units are operating.