



21DT Series VOUGE Flex Ultra 13 Air Handler Indoor Unit



SPECIFICATIONS | 60Hz

21DT Series VOUGE Flex Ultra 13 Air Handler Indoor Unit

Cooling: 18,000 - 56,000 Btuh (5.3-16.4kW)
ETL & ARHI

INDOOR UNIT FEATURES

- ✓ 24 Volt Control Circuit
- ✓ Quiet Centrifugal Blower
- ✓ Painted Cabinet
- ✓ Accurator / Piston Refrigerant Control
- ✓ Throwaway Filters
- ✓ Easy Connect Sweat Connections
- ✓ DC Fan Motor for 036J/048J/060J Models

Notes:

1. Nominal capacities are based on ARI standards 210 / 240 - 89, air entering the indoor coil for cooling at 80/67 ° F (27/19 ° C) , DB/WB indoor & 95 ° F (35 ° C) ambient temperature.operating at high fanspeed for 220-240 volt, 60 Hz operation.
2. Ratings are based on indoor and outdoor units connected by 16 ft (5 m) of tubing.
3. Refrigerant metering device is installed in the outdoor unit as standard.
4. Flare fittings are provided for connecting indoor and outdoor units.
5. Insulation of both liquid and suction line is required.
6. Outdoor units are shipped with full operating charge.
7. For details of model number nomenclature, please refer to publication DCTNOM-50314

| PHYSICAL DATA | | | | | | | | | |
|-------------------------------------|------------------|---------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|
| MODEL NO. | 21DT | 018C | 024C | 030C | 036C | 042C | 048C | 060C | |
| | | 24-053DND | 24-070DND | 24-088DND | 24-105DND | 24-125DND | 24-140DND | 24-175DND | |
| Cooling Capacity | Btuh (kW) | 18,000 (5.3) | 24,000 (7.0) | 30,000 (8.8) | 36,000 (10.5) | 42,000 (12.5) | 47,000 (13.8) | 56,000 (16.4) | |
| Refrigerant Control | | Accurator / Piston type @ Indoor unit | | | | | | | |
| Fan | Type | Centrifugal | | | | | | | |
| | Speed | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | Motor | HP | 1/15 | 1/5 | 1/4 | 1/3 | 1/3 | 1/2 | 3/4 |
| | Air Flow (Hi) | CFM (m³/hr) | 640 (1900) | 825 (1400) | 980 (1660) | 1140 (1940) | 1300 (2210) | 1400 (2380) | 1650 (2800) |
| | Noise Level (Hi) | dBA | 48 | 48 | 50 | 48 | 50 | 50 | 55 |
| Electrical | Voltage | 208-230/1/60 | | | | | | | |
| | Range | min 187 - max 253 | | | | | | | |
| | FLA | 0.62 | 1.52 | 1.25 | 2.0 | 2.0 | 2.5 | 4.6 | |
| Controls | | 24V. Fan Relay Control | | | | | | | |
| Refrigerant Type | | R410A | | | | | | | |
| Refrigerant Connections inches (mm) | Type | Sweat | | | | | | | |
| | Liquid | 3/8 (10) | 3/8 (10) | 3/8 (10) | 3/8 (10) | 3/8 (10) | 3/8 (10) | 1/2 (13) | |
| | Suction | 5/8 (15.88) | 5/8 (15.88) | 3/4 (19) | 3/4 (19) | 7/8 (22) | 7/8 (22) | 1 1/8 (29) | |
| Drain Connections inches (mm) | | 3/4 (19) | | | | | | | |
| Dimensions inches (mm) | Height | 43 1/2 (1105) | 43 1/2 (1105) | 43 1/2 (1105) | 48 1/8 (1224) | 48 1/8 (1224) | 48 1/8 (1224) | 48 1/8 (1224) | |
| | Width | 18 1/8 (460) | 18 1/8 (460) | 18 1/8 (460) | 21 3/8 (540) | 21 3/8 (540) | 25 1/8 (640) | 25 1/8 (640) | |
| | Depth | 21 3/8 (540) | 21 3/8 (540) | 21 3/8 (540) | 21 3/8 (540) | 21 3/8 (540) | 21 3/8 (540) | 21 3/8 (540) | |
| Net Weight lbs (kgs) | | 114.4 (52) | 117 (53) | 122 (55.5) | 143 (65) | 147 (67) | 174 (79) | 176 (80) | |



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