



40VAT Series

Direct Expansion Fan Coil Unit

52,000-150,000 BTU



Air Engineering



www.carrier.co.th

www.ttair.co.th | Tel : 02-385-0728 | E-mail : sales@ttair.co.th | LINE ID : @ttair

40VAT Series



▲ 40VAT Series (Size : 005/006)



▲ 40VAT Series (Size : 008/010/012/015)

The New, Versatile & Energy Efficient

40VAT Series Direct Expansion Fan Coil Unit.

The Carrier 40VAT Horizontal Type Direct Expansion Fan Coil Units come in 6 sizes covering air flowrate range between (1,700 to 5,000) CFM. These units have been engineered for domestic and commercial application. 40VAT Fan Coil Units produce nominal capacities ranging from (52,000 to 150,000) Btu/hr.

Features

- Direct Driven Forward Curved Centrifugal Fan - quiet operation.
- Carrier All Weather Cabinet - rugged and durable.
- Fire Retardant Insulation - minimises condensation & reduces sound levels.
- Filter(s) - easily serviceable.



38VAT (052-150) ▲
Condensing Unit

Option

ชุดต้องและแผงควบคุมพร้อมติดตั้งสำหรับเครื่องปรับอากาศ พร้อมสาย 4 เมตร
ไม่เกิน 60,000 BTUH (1 Motor) 78,000 - 150,000 BTUH (2 Motor)



CARR-INTM8BOX1M



CARR-INTM8BOX2M



CARR-INTDT08
(Option)



CARR-INTDT09
(Option)



CARR-INTDT09WIFI
(Option)

Specifications

| Specification (รายละเอียดของเครื่อง) | | Packaged Direct Expansion Fan Coil Unit | | | | | | |
|--|------------------------------|---|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Model Name (ชื่อรุ่น) | Outdoor Unit (เครื่องภายนอก) | 38VAT | | | | | | |
| | Indoor Unit (เครื่องภายใน) | 40VAT-X | | | | | | |
| Cooling Capacity (ความสามารถในการทำความเย็น) | W | 005 | 006 | 008 | 010 | 012 | 015 | |
| | Btu/hr. | 15,300 | 17,600 | 22,900 | 29,400 | 35,200 | 44,000 | |
| Indoor Air Circulation, Max. (ปริมาณลมหมุนเวียน) | CFM | 1,700 | 2,000 | 2,600 | 3,200 | 4,000 | 5,000 | |
| | | | | | | | | |
| Outdoor Unit | | | | | | | | |
| Power Supply (ระบบไฟฟ้า) | V/Ph/Hz | 380V / 3Phase / 50Hz. | | | | | | |
| Operating Current (กระแสไฟฟ้า) | Amp. | 8.8 | 9.3 | 13.4 | 17.7 | 20.6 | 27.6 | |
| Power Consumption (กำลังไฟฟ้า) | W | 4,670 | 5,400 | 7,110 | 9,560 | 11,050 | 14,320 | |
| Compressor | Compressor Type | Scroll | | | | | | |
| | LRA | 71.30 | 74.00 | 95.00 | 118.0 | 118.00 | 174.00 | |
| Fan | Type | Propeller | | | | | | |
| | Drive Type | Direct | | | | | | |
| Motor | Power Supply | 380V / 3Phase / 50Hz. | | | | | | |
| | Power Input | W | 200 | 200 | 360 | 360 | 715 | 715 |
| | RLA | Amp. | 0.50 | 0.50 | 0.82 | 0.82 | 2.00 | 2.00 |
| Dimension (ขนาดของเครื่อง) | Width | mm. | 840 | 840 | 940 | 1,060 | 1,060 | 1,070 |
| | Height | mm. | 700 | 700 | 855 | 1,060 | 1,060 | 1,160 |
| | Depth | mm. | 755 | 755 | 920 | 1,090 | 1,090 | 1,200 |
| Gross weight | kg. | 83 | 90.5 | 117.5 | 158 | 169 | 179 | |
| Refrigerant | Type | R-22 | | | | | | |
| | Pre-Charging from Factory | kg. | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| Connecting Pipe (ขนาดท่อที่ใช้) | Liquid | inch | 3/8 (Flare) | 3/8 (Flare) | 1/2 (Flare) | 1/2 (Flare) | 5/8 (Flare) | 5/8 (Flare) |
| | Suction | inch | 7/8 (Flare) | 7/8 (Flare) | 1 1/8 (Brazing) | 1 1/8 (Brazing) | 1 1/8 (Brazing) | 1 3/8 (Brazing) |
| Indoor Unit | | | | | | | | |
| Power Supply (ระบบไฟฟ้า) | V/Ph/Hz | 220V / 1Phase / 50Hz. | | | | | | |
| Cooling Coil | Coil Arrangement | Row/FPI | 3/14 | 3/14 | 3/14 | 3/14 | 3/14 | 3/14 |
| | Coil Face Area | Sq.Ft | 3.33 | 4.11 | 5.22 | 6.67 | 8.25 | 10.08 |
| | Tube / Fin Material Type | | Cu / Al | Cu / Al | Cu / Al | Cu / Al | Cu / Al | Cu / Al |
| Fan | Type | Centrifugal Forward Curve Blade | | | | | | |
| | Size | inch | 10" x 10" | 10" x 10" | 10" x 10" | 10" x 10" | 10" x 10" | 12" x 12" |
| Motor | Type | AC Variable-Speed Drive (VSD) | | | | | | |
| | Power Supply | V/Ph/Hz | 220V / 1Phase / 50Hz. | | | | | |
| | Fan rev. Speed (L/M/H) | RPM | 650 / 750 / 900 | 550 / 650 / 800 | 650 / 830 / 950 | 650 / 750 / 900 | 550 / 650 / 800 | 500 / 600 / 660 |
| | (Max) | RPM | 1,100 | 1,100 | 1,100 | 1,100 | 1,100 | 950 |
| | RLA | Amp. | 2.23 | 3.37 | 2 x 2.18 | 2 x 2.23 | 2 x 3.37 | 2 x 3.51 |
| Air Filter | Type | Synthetic | | | | | | |
| | Size | mm. | 455 x 935 | 455 x 557 | 455 x 687 | 505 x 687 | 555 x 777 | 555 x 927 |
| Dimension (ขนาดของเครื่อง) | Width | mm. | 1,040 | 1,220 | 1,480 | 1,480 | 1,660 | 1,960 |
| | Height | mm. | 490 | 490 | 490 | 540 | 590 | 590 |
| | Depth | mm. | 675 | 675 | 675 | 675 | 675 | 780 |
| Gross weight | kg. | 53.5 | 62.0 | 87.5 | 91.0 | 98.0 | 126.5 | |
| Insulation | Type | PE Foam | | | | | | |
| | Thermal Conductivity | | 0.032 w/m.K | | | | | |
| | Thickness | mm. | 10.0 | | | | | |
| Connecting Pipe (ขนาดท่อที่ใช้) | Liquid | inch | 3/8 (Flare) | 3/8 (Flare) | 1/2 (Flare) | 1/2 (Flare) | 5/8 (Flare) | 5/8 (Flare) |
| | Suction | inch | 7/8 (Flare) | 7/8 (Flare) | 1 1/8 (Brazing) | 1 1/8 (Brazing) | 1 1/8 (Brazing) | 1 3/8 (Brazing) |
| | Drain O.D. (MPT) | inch | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |

Remark : * Shown capacity based on : Ent. Air temp 80Fdb/67Fwb, Max air flowrate.
MPT = Male Pipe Threat

บริษัท แคนเรียร์ (ประเทศไทย) จำกัด
1858/63-74 ชั้น 14, 15
ถ.เทพรัตน กม. 4.5 แขวงบางนาใต้
เขตบางนา กรุงเทพฯ 10260
โทร. 0-2090-9999 แฟกซ์: 0-2751-4778

Carrier (Thailand) Ltd.
1858/63-74, 14th, 15th Floor,
Debaratna Road, Km.4.5, Bangna Tai,
Bangna Bangkok 10260 Thailand
Tel. 0-2090-9999 Fax: 0-2751-4778



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