



# 40LAU/38RLU Series 40LAU/38LHU Series

*Direct Expansion Fan Coil Unit*

48,000 - 200,000 BTU/H



# 40LAU Series



▲ 40LAU Series (Size : 004/006)



▲ 40LAU Series (Size : 008/ 010/ 012/ 015/ 020)

## The New, Versatile & Energy Efficient 40LAU Direct Expansion Fan Coil Unit.

The Carrier 40LAU Horizontal Type Direct Expansion Fan Coil Units come in 6 sizes covering air flowrate range between (1,600 to 5,000) CFM. These units have been engineered for domestic and commercial application. 40LAU Fan Coil Units produce nominal capacities ranging from (48,000 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.
- Environmental friendly with R-410A refrigerant

### Specifications

| Packaged Direct Expansion Fan Coil Unit |                             |         |  |             |             |             |             |             |             |             |             |
|---|-----------------------------|---------|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Model                                   | Outdoor Unit                |         | 38RLU  |             |             |             | 38LHU       |             |             |             |             |
|   |                             |         | 048S301  | 060S301     | 048S301     | 060S301     | 078S301     | 100S301     | 120S301     | 150S301     | 200S301     |
|   | Indoor Unit                 |         | 40LAU-X  |             |             |             |             |             |             |             |             |
|   |                             | 004     | 006  | 004         | 006         | 008         | 010         | 012         | 015         | 020         |             |
| Nominal Capacity                        | Cooling Capacity *          | btu/h   | 48,000   | 60,000      | 48,000      | 60,000      | 78,000      | 100,000     | 120,000     | 150,000     | 200,000     |
|   | Air Flowrate                | cfm     | 1,600  | 2,000       | 1,600       | 2,000       | 2,600       | 3,200       | 4,000       | 5,000       | 6,000       |
| <b>Outdoor Unit</b>                     |                             |         |  |             |             |             |             |             |             |             |             |
| Power supply                            | V/Ph/Hz                     |         | 380 / 3 / 50   |             |             |             |             |             |             |             |             |
| RLA                                     | Amp                         |         | 8.00   | 9.40        | 9.30        | 10.80       | 12.80       | 16.70       | 21.20       | 27.50       | 32.40       |
| Dimension                               | Width                       | mm      | 905  | 905         | 800         | 800         | 900         | 900         | 1,040       | 1,050       | 1,050       |
|   | Height                      | mm      | 1,210  | 1,210       | 690         | 690         | 845         | 845         | 1,050       | 1,150       | 1,150       |
|   | Depth                       | mm      | 335  | 335         | 725         | 725         | 915         | 915         | 1,192       | 1,294       | 1,294       |
| Weight                                  | kg                          |         | 98   | 100         | 103         | 120         | 195         | 225         | 260         | 295         | 335         |
| Pipe Connection                         | Liquid pipe connection      | inch    | 3/8"   | 3/8"        | 3/8"        | 3/8"        | 1/2"        | 1/2"        | 1/2"        | 5/8"        | 7/8"        |
|   | Suction pipe connection     | inch    | 7/8"   | 7/8"        | 7/8"        | 7/8"        | 7/8"        | 1-1/8"      | 1-1/8"      | 1-1/8"      | 1-3/8"      |
| <b>Indoor Unit</b>                      |                             |         |  |             |             |             |             |             |             |             |             |
| Power Supply                            | V/Ph/Hz                     |         | 220 / 1 / 50   |             |             |             |             |             |             |             |             |
| Cooling Coil                            | Coil Arrangement            | row/fpi | 3/14   | 3/14        | 3/14        | 3/14        | 3/14        | 3/14        | 3/14        | 3/14        | 3/14        |
|   | Coil Face Area              | sq.ft   | 3.33   | 4.11        | 3.33        | 4.11        | 5.22        | 6.67        | 8.25        | 10.08       | 12.18       |
|   | Tube / Fin Material         |         | Cu / Al  | Cu / Al     | Cu / Al     | Cu / Al     | Cu / Al     | Cu / Al     | Cu / Al     | Cu / Al     | Cu / Al     |
| Fan                                     | Fan size                    | inch    | 10" x 10"  | 10" x 10"   | 10" x 10"   | 10" x 10"   | 10" x 10"   | 10" x 10"   | 10" x 10"   | 12" x 12"   | 12" x 12"   |
|   | Fan Q'ty                    |         | 1  | 1           | 1           | 1           | 2           | 2           | 2           | 2           | 2           |
| Motor                                   | Motor Current (RLA)         | Amp     | 2.11   | 4.05        | 2.11        | 4.05        | 2 x 2.11    | 2 x 2.11    | 2 x 4.05    | 2 x 4.03    | 2 x 6.73    |
|   | Motor speed                 | rpm     | 890/780/620  | 945/890/800 | 890/780/620 | 945/890/800 | 890/780/620 | 890/780/620 | 945/890/800 | 790/730/650 | 880/770/670 |
|   | Type                        |         | Permanent split capacitor with internal thermal overload |             |             |             |             |             |             |             |             |
| Air Filter                              | Type                        |         | Synthetic  |             |             |             |             |             |             |             |             |
|   | Size                        |         | 395 x 960  | 395 x 1,138 | 395 x 960   | 395 x 1,138 | 395 x 1,395 | 465 x 1,395 | 524 x 1,578 | 524 x 1,878 | 620 x 1,878 |
| Dimension                               | Width                       | mm      | 1,040  | 1,220       | 1,040       | 1,220       | 1,480       | 1,480       | 1,660       | 1,960       | 1,960       |
|   | Height                      | mm      | 460  | 460         | 460         | 460         | 460         | 530         | 590         | 590         | 690         |
|   | Depth                       | mm      | 675  | 675         | 675         | 675         | 675         | 675         | 675         | 780         | 780         |
| Weight                                  | kg                          |         | 70   | 75          | 70          | 75          | 110         | 115         | 125         | 140         | 175         |
| Insulation                              | Type                        |         | PE Foam  |             |             |             |             |             |             |             |             |
|   | Thermal Conductivity        |         | 0.032 w/m.K  |             |             |             |             |             |             |             |             |
|   | Thickness                   | mm      | 10   |             |             |             |             |             |             |             |             |
| Pipe Connection                         | Liquid pipe connection      | inch    | 3/8"   | 3/8"        | 3/8"        | 3/8"        | 1/2"        | 1/2"        | 1/2"        | 5/8"        | 7/8"        |
|   | Suction pipe connection     | inch    | 7/8"   | 7/8"        | 7/8"        | 7/8"        | 7/8"        | 1-1/8"      | 1-1/8"      | 1-1/8"      | 1-3/8"      |
|   | Condensate Drain connection | inch    | 1/2" MPT   | 1/2" MPT    | 1/2" MPT    | 1/2" MPT    | 1/2" MPT    | 1/2" MPT    | 1/2" MPT    | 1/2" MPT    | 1/2" MPT    |

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

Compatible with ▶



◀ 38RLU (048-060)  
Condensing Unit



◀ 38LHU (048-020)  
Condensing Unit

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บริษัทฯ ขอสงวนสิทธิ์ที่จะเปลี่ยนแปลงรายละเอียดข้างต้น โดยไม่ต้องแจ้งให้ทราบล่วงหน้า  
Carrier reserves the right to make changes in specifications without prior notice.

### Option

ชุดกล่องและแผงควบคุมพร้อมติดตั้งสำหรับเครื่องปรับอากาศ หรือสาย 4 เมตร  
ไม่เกิน 60,000 BTUH (1 Motor) 78,000 - 150,000 BTUH (2 Motor)



CARR-INTM9BOX1M



CARR-INTM9BOX2M



CARR-INTDT09



CARR-INTDT09WiFi



YOUR CARRIER MAN :