

LG CEILING CONCEALED DUCTS



EXTERNAL STATIC PRESSURE CONTROL (E.S.P.)

The BLDC motor can control fan speed and air volume regardless of the external static pressure. No additional accessories are necessary to control air flow.

MINIMIZED HEIGHT

New mid-static ducts provides an ideal solution for installation in limited space

HIGH HEAD DRAIN PUMP



LG Ceiling Concealed Ducts

| Indoor Unit | CB09L N12 | CB12L N22 | CM18 N14 | CM24 N14 | UM30 N14 | UM36 N24 | UM48 N34 | UM60 N34 |
|-----------------------------|---------------------------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|
| Capacity | Min/Nom/Max kW | 1.1/2.5/3.2 | 1.4/3.4/3.7 | 1.8/5.0/6.0 | 2.8/6.8/7.5 | 3.2/7.8/8.8 | 4.0/10.0/11.0 | 5.6/14.0/15.4 |
| Low Temperature Capacity | Min/Nom/Max kW | 1.2/3.2/3.6 | 1.6/4.0/4.5 | 2.2/6.0/7.2 | 3.2/7.5/8.3 | 3.6/9.0/9.9 | 4.5/11.2/12.3 | 6.6/16.4/18.2 |
| Power Input (Set) | Max kW | 3.5 | 4.4 | 5.4 | 7.2 | 8.1 | 10.0 | 14.8 |
| Power Input (Indoor) | Nom kW | 0.91 | 1.05 | 1.46 | 2.07 | 2.41 | 3.12 | 4.52 |
| Running Current | Min/Max (ESP 2.5mmAq) W | 40/60 | 80/95 | 90/160 | 100/180 | 160/240 | 200/360 | 240/420 |
| Power Supply | Nom A | 3.1/4.0 | 4.3/4.6 | 6.5/7.6 | 9.1/10.3 | 10.1/10.7 | 12.2/14.4 | 16.7/18.8 |
| EER | W/Hz | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| COP | | 3.48 | 3.41 | 3.42 | 3.29 | 3.24 | 3.21 | 3.17 |
| SEER | | 3.51 | 3.81 | 3.61 | 3.21 | 3.44 | 3.51 | 3.51 |
| SCOP | | 5.11 | 5.61 | 6.10 | 6.10 | 6.10 | 5.11 | 5.11 |
| Pdesign (@-10) | kW | 28.0 | 38.1 | 4.25 | 3.90 | 4.00 | 3.81 | 3.81 |
| Seasonal Energy Label | A/A | A/A | A+/A | A+/A+ | A+/A | A+/A+ | A+/A | A+/A |
| Annual Energy Consumption | kWh | 172/1,032 | 213/1,105 | 287/1,383 | 390/2,154 | 448/2,275 | 685/2,866 | 952/3,866 |
| Piping Connection | mm(inch) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 9.52 (3/8) |
| Air Flow Rate | mm(inch) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 12.7 (1/2) | Ø 15.88 (5/8) | Ø 15.88 (5/8) | Ø 15.88 (5/8) | Ø 15.88 (5/8) |
| Sound Pressure | mm | 32/25 | 32/25 | Ø 32.0/25.0 | Ø 32.0/25.0 | 32.0/25.0 | 32/25 | 32/25 |
| Sound Power | m3/min | 9.0/7.0/5.5 | 10.0/8.5/7.0 | 16.5/14.5/13.0 | 18.0/16.5/14.5 | 22.0/20.0/18.0 | 32.0/28.0/24.0 | 36/34/33 |
| Dehumidification Rate | dBA | 30/26/23 | 31/28/27 | 34/32/30 | 35/34/32 | 37/35/34 | 36/34/33 | 36/34/33 |
| Dimensions | l/h | 11 | 1.2 | 2.0 | 2.5 | 2.8 | 2.6 | 2.6 |
| Net Weight | mm | 700 x 190 x 700 | 900 x 190 x 700 | 900 x 270 x 700 | 900 x 270 x 700 | 900 x 270 x 700 | 1,250 x 270 x 700 | 1,250 x 360 x 700 |
| External Static Pressure | kg | 17.5 | 23.0 | 23.8 | 24.2 | 25.3 | 35.0 | 35.0 |
| | mmAq(Pa) | 0-5(0-49) | 0-5(0-49) | 2.5-15(25-147) | 2.5-15(25-147) | 2.5-15(25-147) | 4-15(39-147) | 4-15(39-147) |
| Outdoor Unit | | UU09W ULD | UU12W ULD | UU18W UE4 | UU24W U44 | UU30W U44 | UU49W U32 | UU61W U32 |
| Compressor | Type | Rotary | Rotary | Twin Rotary | Twin Rotary | Twin Rotary | Twin Rotary | Twin Rotary |
| Airflow Rate | Nom m3/min | 32 | 32 | 50 | 58 | 58 | 90 | 110 |
| Sound Pressure | Nom dBA | 47 | 47 | 47 | 48 | 48 | 53 | 52 |
| Sound Power | Nom dBA | 48 | 48 | 52 | 52 | 52 | 54 | 54 |
| Dimensions | Max mm | 56 | 57 | 63 | 67 | 68 | 68 | 71 |
| Net Weight | kg | 770 x 540 x 245 | 770 x 540 x 245 | 870 x 655 x 370 | 950 x 834 x 330 | 950 x 834 x 330 | 950 x 1,380 x 330 | 950 x 1,380 x 330 |
| Refrigerant | Type | R410A | R410A | R410A | R410A | R410A | R410A | R410A |
| Operation Range (Outdoor) | Charge g | 1E000 | 1E000 | 1E300 | 2E000 | 2E000 | 2E800 | 3E400 |
| Power Supply | Additional Charge (after 7.5m) g/m | 20 | 20 | 20 | 40 | 40 | 40 | 40 |
| Transmission Cable | Min-Max °C DB | -10 - 43 | -10 - 43 | -15 - 48 | -15 - 48 | -15 - 48 | -15 - 48 | -15 - 48 |
| Piping Length Total | Min-Max °C WB | -18 - 18 | -18 - 18 | -18 - 18 | -18 - 18 | -18 - 18 | -18 - 18 | -18 - 18 |
| Piping Elevation Difference | No. x mm² | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 3/380-415/50 | 3/380-415/50 |
| Piping Connection | No. x mm² | 3C x 2.5 | 3C x 2.5 | 3C x 2.5 | 3C x 2.5 | 3C x 2.5 | 5C x 2.5 | 5C x 2.5 |
| | No. x mm² | 4C x 0.75 | 4C x 0.75 | 4C x 0.75 | 4C x 0.75 | 4C x 0.75 | 4C x 0.75 | 4C x 0.75 |
| | A | 15 | 15 | 20 | 25 | 25 | 20 | 20 |
| | m | 5-15 | 5-15 | 5-30 | 5-50 | 5-50 | 5-75 | 5-75 |
| | mm(inch) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 6.35 (1/4) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 9.52 (3/8) | Ø 9.52 (3/8) |
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