



Primary R32

R32 ecofriendly option for your commercial applications

Sizes 5 and 6 HP Single-phase available from October 2020.

Primary R32



Integrated condensate pump

With a discharge head of 700 mm, these ducted units are easily integrated in most projects.

Flexible air circulation from below or behind

This solution offers genuine installation flexibility depending on the type of configuration. Equipment air circulation can be modified from below or behind. This does not require a change of equipment, simply an adjustment of the static pressure. (Fig. 1)

Wide static pressure adjustment range

Wide static pressure range (up to 120 Pa) for long ducts and multizone applications means more practical and more flexible installation.

Long refrigerant links and large height differences

With up to 50 m of ducts for an installation up to 30 m high, the Primary range offers great flexibility when it comes to installation configuration. (Fig.2)

Efficiency guaranteed

The Primary ducted range performances are guaranteed in cooling and heating until an outside temperature of -15°C. The DC Inverter technology precisely adjusts the capacity required to heat residential or commercial premises and ensures the installation's comfort and durability.

Automatic reboot after a power outage

When power returns after an outage, all pre-configurations are maintained and air-conditioning operates based on previous configuration.

Fig. 1

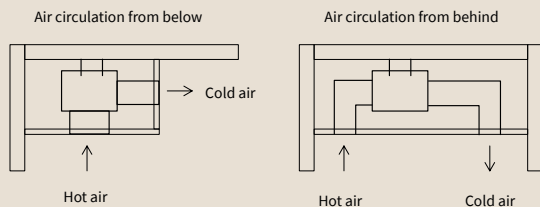
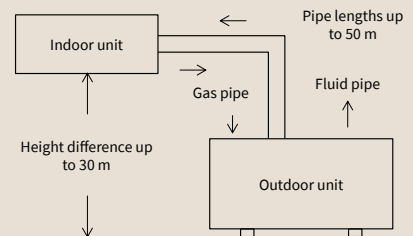


Fig. 2



Indoor units

Outdoor units




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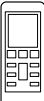
Ducted

| Cooling performances | Unit | 6.90KW 3 HP | 8.5KW 3.5 HP | 10.10KW 4 HP | 12.10KW 5 HP | 14.19KW 6 HP | 17.10KW 6.5 HP |
|--|---------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Capacity Cooling (min-max) | kW | 6.9 (2.45 - 7.85) | 8.50 (4.00 - 9.50) | 10.10 (1.20 - 5.80) | 12.10 (3.30 - 13.20) | 14.19 (3.20 - 16.00) | 17.10 (3.30 - 18.50) |
| Absorbed power Cooling (min-max) | kW | 2.16 | 2.67 | 3.8 | 4.22 | 4.78 | 6.6 |
| EER | | 3.19 | 3.18 | 2.66 | 2.87 | 2.97 | 2.59 |
| Energy class Cooling | | A++ | A++ | A++ | | | |
| SEER (medium climate) | | 6.29 | 6.20 | 6.10 | 6.28/248% | 5.94/235% | 5.81/229.4% |
| Annual energy consumption | kWh/year | 395.00 | 499.00 | 577.00 | 761.00 | 849.00 | 943.00 |
| Guaranteed performances Cooling | °C | -15°C/+48°C | -15°C/+48°C | -15°C/+48°C | -15°C/+48°C | -15°C/+48°C | -15°C/+48°C |
| Heating performances | | | | | | | |
| Capacity Heating (min-max) | kW | 8.3 (2.20 - 8.70) | 9.00 (3.50 - 9.40) | 10.50 (3.50 - 11.00) | 13.4 (3.00 - 14.60) | 13.4 (3.00 - 14.60) | 18 (3.00 - 19.50) |
| Capacity at full charge at -7°C ⁽¹⁾ | kW | 4 | 5,6 | 6,5 | 8,4 | 9,9 | 11,1 |
| Absorbed power Heating (min-max) | kW | 2.22 | 2.4 | 3.5 | 4.07 | 4.65 | 6.1 |
| COP | | 3.74 | 3.75 | 3 | 3.29 | 3.47 | 2.95 |
| Energy class Heating | | A+ | A+ | A | | | |
| SCOP (medium climate) | | 4.05 | 4.00 | 3.92 | 3.7/145% | 3.7/145% | 3.72/146% |
| Pdesignh | kW | 6.00 | 6.50 | 8.20 | 9.50 | 12.40 | 12.40 |
| Annual energy consumption | kWh/year | 2007.00 | 2313.00 | 2926.00 | 3674.00 | 4694.00 | 4205.00 |
| Guaranteed performances Heating | °C | -15°C/+24°C | -15°C/+24°C | -15°C/+24°C | -15°C/+24°C | -15°C/+24°C | -15°C/+24°C |
| Indoor Units | | RPIL-3.0UFE1NH | RPIH-3.5UFE1NH | RPIH-4.0UFE1NH | RPIH-5.0UFE1NH | RPIH-6.0UFE1NH | RPIH-6.5UFE1NH |
| Sound pressure Cooling (Low - Medium - High) | dB(A) | 31/34/38 | 41/38/33 | 38/40/42 | 37/40/43 | 42/45/47 | 43/45/48 |
| Sound power Cooling | dB(A) | 61 | 63 | 65 | 69 | 77 | 77 |
| Air flow Cooling (Low - Medium - High) | m³/h | 490/700/1000 | 900/1120/1450 | 1400/1600//1800 | 1300/1500/1750 | 1900/2200/2400 | 1900/2200/2400 |
| Nom. available pressure (min-max) | Pa | 25.0 (0 - 40) | 37.0 (0 - 120) | 37.0 (0 - 120) | 50.0 (0 - 120) | 50.0 (0 - 120) | 50.0 (0 - 120) |
| Dimensions (H x W x D) | mm | 190x1180x445 | 268x1140x720 | 268x1140x720 | 350x1300x800 | 350x1300x800 | 350x1300x800 |
| Case weight | kg | 24.0 | 37.5 | 37.5 | 51 | 51 | 51 |
| Condensate pump | | Included | Included | Included | Included | Included | Included |
| Condensate pipe diameter (out) | mm | 32 | 32 | 32 | 32 | 32 | 32 |
| Air filter | | included | included | included | included | included | included |
| Electrical power | V/Ph/Hz | 230V/1Ph/50Hz | 230V/1Ph/50Hz | 230V/1Ph/50Hz | 230V/1Ph/50Hz | 230V/1Ph/50Hz | 230V/1Ph/50Hz |
| Controller | | Wired included (HCWA21NEWH) | Wired included (HCWA21NEWH) | Wired included (HCWA21NEWH) | Wired included (HCWA21NEWH) | Wired included (HCWA21NEWH) | Wired included (HCWA21NEWH) |
| Outdoor units | | RAS-3.0UFESNH1 | RAS-3.5UFESNH1 | RAS-4.0UFESNH1 | RAS-5.0UFESMH1 | RAS-6.0UFESMH1 | RAS-6.5UFESMH1 |
| Sound Pressure Cooling | dB(A) | 54 | 54 | 58 | 62 | 62 | 67 |
| Sound pressure Cooling | dB(A) | 69 | 70 | 70 | 76 | 76 | 80 |
| Air flow (Cooling) | m³/h | 3150 | 3150 | 3800 | 5800 | 6300 | 6300 |
| Dimensions (H x W x D) | mm | 670x860x310 | 670x860x310 | 840 x 950 x 340 | 1050x950x340 | 1386x950x340 | 1386x950x340 |
| Weight | kg | 49.0 | 49.0 | 70.0 | 85.0 | 101.5 | 109.0 |
| Refrigeration specifications | | | | | | | |
| Pipe diameter (Liq/gas) | inch | 3/8"/5/8" | 3/8"/5/8" | 3/8"/3/4" | 3/8"/3/4" | 3/8"/3/4" | 3/8"/3/4" |
| Initial refrigerant charge | kg/ TeqCO2 | 1.4/0.95 | 1.45/0.98 | 2.00/1.35 | 2.50/1.69 | 2.50/1.69 | 2.50/1.69 |
| Pre-charged for | m | 5 | 5 | 5 | 5 | 5 | 5 |
| Max pipe length | m | 30 | 50 | 50 | 50 | 50 | 50 |
| Additional refrigerant | g/m | 28 | 28 | 28 | 28 | 28 | 28 |
| Maximum height difference (highest OU/lowest OU) | m | 15/15 | 30/30 | 30/30 | 30/30 | 30/30 | 30/30 |
| Refrigerant | | R32 | R32 | R32 | R32 | R32 | R32 |
| OU Electrical specifications | | | | | | | |
| Electrical power | V/Ph/Hz | 230V/1Ph/50Hz | 230V/1Ph/50Hz | 230V/1Ph/50Hz | 400V/3Ph/50Hz | 400V/3Ph/50Hz | 400V/3Ph/50Hz |
| Maximum current | A | 18.1 | 18 | 22.5 | 11.6 | 11.6 | 11.6 |
| Cable diameter (EN 60 335-1) | mm² | 3 x 2.5 | 3 x 2.5 | 3 x 4 | 3 x 4 | 3 x 4 | 3 x 4 |
| Indoor/outdoor wiring section (shielded) | mm² | 4 x 1.5 | 4 x 1.5 | 4 x 1.5 | 4 x 1.5 | 4 x 1.5 | 4 x 1.5 |
| Compressor type Inverter | | Rotary | Rotary | Rotary | Rotary | Rotary | Rotary |
| | Ref. | 3 HP | 3.5 HP | 4 HP | 5 HP | 6 HP | 6.5 HP |
| Outdoor unit price: | (pre-tax) | | | | | | |
| Wired controller included: | | | | | | | |
| Wired controller included: | | | | | | | |
| | Ref. | | | | | | |
| Kit | (pre-tax) | | | | | | |
| Wireless controller price | Ref. | X-RPIM-3.0UNE1NH1 | X-RPIM-3.5UNE1NH1 | X-RPIM-4UNE1NH1 | X-RPIH-5.0UNE1NH1 | X-RPIH-6.0UNE1NH1 | X-RPIH-6.5UNE1NH1 |
| Kit price | (pre-tax) | | | | | | |
| | Ref. | | | | | | |
| Kit | (pre-tax) | | | | | | |

The kit includes: the ducted unit, the wired controller with receiver, the outdoor unit.

Compatible controls and accessories (see DRV Controls tab)

 **Wired controller**
HCWA21NEWH
Pre-tax price:

 **Wireless controller**
HRBA31NEG
Pre-tax price:

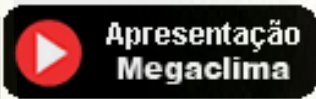
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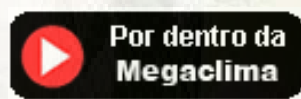


30 Anos na climatização e tratamento de ar

video 2"



video 7"



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