



TECHNICAL DESCRIPTION
AIR-TO-WATER heat pump
EREBA ACCESS



Sizes 17 to 21



Sizes 26 to 40

Equipment complies with the following directives and standards:

- Electromagnetic compatibility directive 2014/30/EC
- Low Voltage Directive 2014/35/EU
- RoHS 2011/65/EU
- Pressure equipment directive (PED) 2014/6/EU

REFRIGERANT CIRCUIT(S)

HERMETIC COMPRESSOR

- ROTARY compressors for sizes 8 to 15 and SCROLL compressors for sizes 26 to 40
- Low vibration level
- **Assembly mounted on anti-vibration dampers**

AIR-TO-REFRIGERANT OUTDOOR COIL

- Vertical coil with grooved copper tubes and high-performance aluminium fins
- Direct drive propeller fans
- Fan motor assembly fitted on a structure designed to reduce noise
- **Operation: as standard, the unit can provide cooling at outdoor temperatures of -12°C to +48°C. Heating operation from -15°C to +40°C (reversible models)**

BUILT-IN HYDRONIC MODULE

- Class A variable speed accelerator pump
- Water filter
- Expansion tank
- **Thermal insulation and antifreeze protection down to -10°C**
- **Filling system to facilitate filling and maintain the pressure (option)**

REFRIGERANT

- HFC R410A
- Ozone Depletion Potential (ODP) = 0
- Global Warming Potential (GWP) = 2088

STANDARD ELECTRICAL SUPPLY

- 400 V 3-ph 50 Hz + Neutral + Earth

PRO-DIALOG CONTROL

- Energy management (timer, water law)
- Night mode limiting the fan speed
- **Master/slave management of up to 4 units**

DISPLAY

- Backlit LCD screen
- Intuitive navigation
- 5 languages included (F-GB-D-E-I)
- Display of all information (pressure - temperature - runtime, etc.)

OPERATING MODE

- **BUS mode via RS485**
- **Remote control via potential-free (dry) contacts**
- **Remote interface possible (option)**



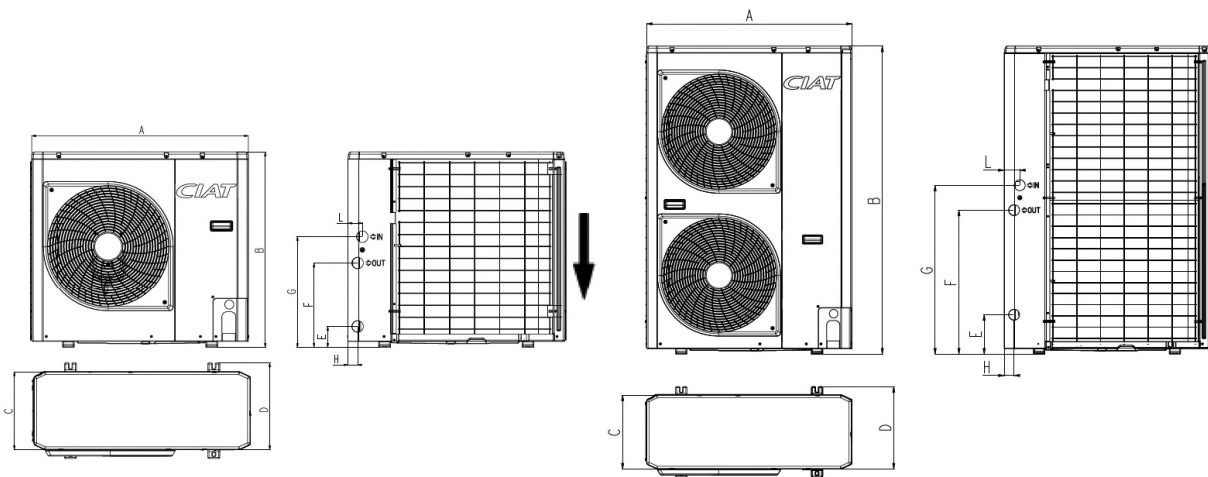
UNIT CONSTRUCTION

- Compact dimensions to facilitate integration
- Neutral colour (RAL 7035) for better visual integration

DIMENSIONS (MM)

■ EREBA ACCESS 8

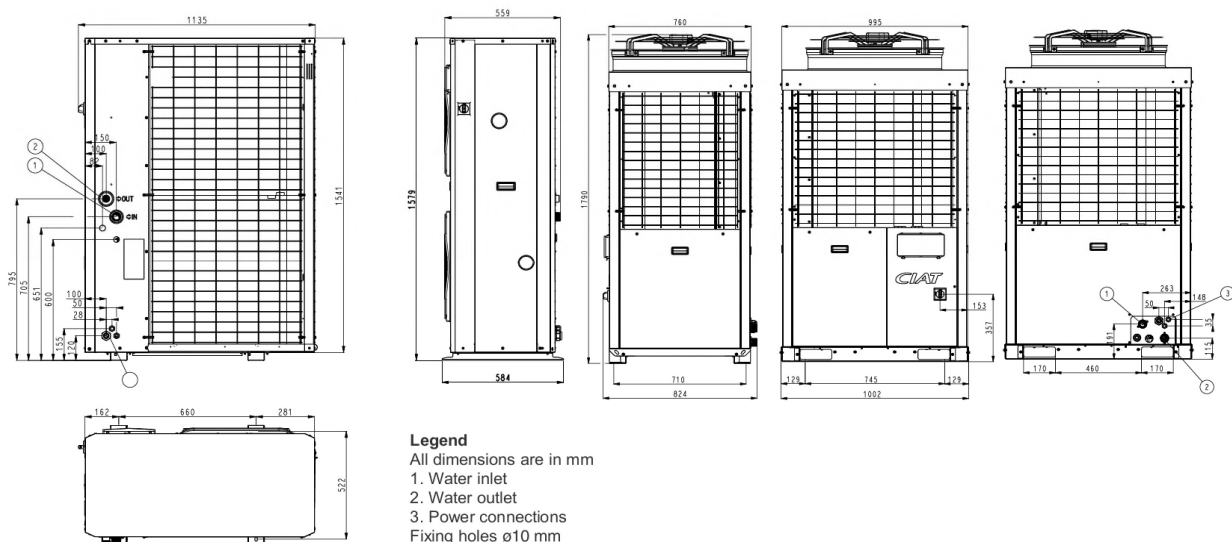
■ EREBA ACCESS 12-15



| EREBA ACCESS | A | B | C | D | E | F | G | H | L |
|--------------|-----|------|-----|-----|-----|-----|------|----|----|
| 8 | 908 | 821 | 326 | 350 | 87 | 356 | 466 | 40 | 60 |
| 12 | 908 | 1363 | 326 | 350 | 529 | 995 | 1105 | 44 | 69 |
| 15 | 908 | 1363 | 326 | 350 | 529 | 995 | 1105 | 44 | 69 |

■ EREBA ACCESS 17-21

■ EREBA ACCESS 26-40



HEATING CAPACITIES IN ACCORDANCE WITH EN1451 1-3

| | | Outside air dry-bulb (wet-bulb) temperature, °C | | | | | | | | | | | | | | | | | | | | | | | |
|-----|----|---|--------------|----------|-----------|-----------|--------------|----------|-----------|----------|--------------|----------|-----------|----------|--------------|----------|-----------|----------|--------------|----------|-----------|----------|--------------|----------|-----------|
| | | -15 (-16) | | | | -10 (-11) | | | | -7 (-8) | | | | 2 (1) | | | | 7 (6) | | | | 12 (11) | | | |
| LWT | °C | Qh kW | COP kW/kW | q l/s | Δp kPa | Qh kW | COP kW/kW | q l/s | Δp kPa | Qh kW | COP kW/kW | q l/s | Δp kPa | Qh kW | COP kW/kW | q l/s | Δp kPa | Qh kW | COP kW/kW | q l/s | Δp kPa | Qh kW | COP kW/kW | q l/s | Δp kPa |
| 017 | 30 | 6.8 | 1.78 | 0.47 | 188 | 7.7 | 2.00 | 0.54 | 182 | 8.2 | 2.14 | 0.58 | 177 | 9.4 | 3.67 | 0.74 | 159 | 17.8 | 4.39 | 0.85 | 145 | 20.4 | 4.90 | 0.97 | 128 |
| 021 | | 8.7 | 1.77 | 0.61 | 177 | 9.7 | 1.98 | 0.68 | 170 | 10.4 | 2.12 | 0.74 | 165 | 13.0 | 3.83 | 0.94 | 143 | 17.9 | 4.22 | 1.06 | 127 | 25.6 | 4.85 | 1.22 | 107 |
| 026 | | 13.4 | 1.98 | 0.82 | 263 | 15.3 | 2.23 | 0.94 | 251 | 16.5 | 2.39 | 1.02 | 243 | 18.4 | 3.58 | 1.31 | 209 | 24.8 | 4.07 | 1.49 | 185 | 35.8 | 4.79 | 1.70 | 154 |
| 033 | | 15.2 | 2.02 | 0.93 | 257 | 17.2 | 2.26 | 1.06 | 245 | 18.5 | 2.41 | 1.14 | 236 | 20.6 | 3.58 | 1.46 | 199 | 27.7 | 4.05 | 1.67 | 172 | 40.0 | 4.77 | 1.90 | 137 |
| 040 | | - | - | - | - | 21.3 | 2.24 | 1.31 | 247 | 22.9 | 2.38 | 1.42 | 239 | 25.3 | 3.45 | 1.81 | 207 | 39.4 | 3.75 | 2.06 | 183 | 49.2 | 4.54 | 2.35 | 153 |
| 017 | 35 | 6.9 | 1.64 | 0.47 | 188 | 7.8 | 1.84 | 0.54 | 182 | 8.3 | 1.96 | 0.58 | 178 | 9.2 | 3.30 | 0.73 | 161 | 17.5 | 3.96 | 0.84 | 148 | 20.0 | 4.43 | 0.95 | 132 |
| 021 | | 8.8 | 1.66 | 0.61 | 177 | 9.8 | 1.85 | 0.68 | 170 | 10.5 | 1.98 | 0.74 | 165 | 12.9 | 3.52 | 0.93 | 145 | 22.0 | 3.98 | 1.06 | 130 | 25.3 | 4.42 | 1.21 | 110 |
| 026 | | 13.4 | 1.81 | 0.81 | 264 | 15.3 | 2.04 | 0.93 | 252 | 16.5 | 2.19 | 1.01 | 245 | 18.2 | 3.25 | 1.29 | 212 | 30.8 | 3.91 | 1.48 | 188 | 35.4 | 4.35 | 1.69 | 159 |
| 033 | | 15.2 | 1.86 | 0.92 | 258 | 17.4 | 2.09 | 1.06 | 245 | 18.7 | 2.23 | 1.14 | 237 | 20.3 | 3.27 | 1.45 | 202 | 34.4 | 3.92 | 1.65 | 176 | 39.5 | 4.35 | 1.88 | 142 |
| 040 | | - | - | - | - | 21.4 | 2.08 | 1.30 | 247 | 23.1 | 2.22 | 1.41 | 239 | 24.9 | 3.18 | 1.78 | 209 | 38.8 | 3.44 | 2.03 | 187 | 48.4 | 4.16 | 2.32 | 157 |
| 017 | 40 | - | - | - | - | 7.8 | 1.69 | 0.54 | 182 | 8.4 | 1.80 | 0.58 | 178 | 9.1 | 2.96 | 0.73 | 162 | 17.2 | 3.53 | 0.83 | 150 | 19.6 | 3.96 | 0.94 | 135 |
| 021 | | - | - | - | - | 10.0 | 1.71 | 0.68 | 171 | 10.7 | 1.83 | 0.74 | 166 | 12.8 | 3.21 | 0.92 | 146 | 21.8 | 3.62 | 1.05 | 132 | 24.9 | 4.03 | 1.19 | 114 |
| 026 | | - | - | - | - | 15.4 | 1.86 | 0.92 | 253 | 16.6 | 2.00 | 1.00 | 246 | 17.9 | 2.93 | 1.28 | 215 | 30.3 | 3.53 | 1.46 | 192 | 34.8 | 3.95 | 1.66 | 164 |
| 033 | | - | - | - | - | 17.4 | 1.91 | 1.04 | 247 | 18.8 | 2.05 | 1.13 | 238 | 20.0 | 2.95 | 1.43 | 205 | 33.9 | 3.54 | 1.63 | 180 | 38.8 | 3.95 | 1.85 | 149 |
| 040 | | - | - | - | - | 21.6 | 1.91 | 1.30 | 248 | 23.2 | 2.04 | 1.40 | 240 | 24.7 | 2.90 | 1.77 | 211 | 41.6 | 3.43 | 2.00 | 190 | 47.5 | 3.80 | 2.28 | 162 |
| 017 | 45 | - | - | - | - | - | - | - | - | 8.6 | 1.67 | 0.58 | 178 | 9.0 | 2.66 | 0.72 | 163 | 16.9 | 3.15 | 0.81 | 152 | 19.2 | 3.52 | 0.92 | 138 |
| 021 | | - | - | - | - | - | - | - | - | 11.0 | 1.69 | 0.73 | 166 | 12.6 | 2.90 | 0.92 | 147 | 21.6 | 3.27 | 1.03 | 134 | 24.5 | 3.65 | 1.17 | 117 |
| 026 | | - | - | - | - | - | - | - | - | 16.8 | 1.83 | 0.99 | 247 | 17.6 | 2.62 | 1.26 | 218 | 29.8 | 3.16 | 1.43 | 197 | 34.0 | 3.54 | 1.63 | 170 |
| 033 | | - | - | - | - | - | - | - | - | 18.8 | 1.87 | 1.11 | 241 | 19.6 | 2.64 | 1.40 | 209 | 33.2 | 3.15 | 1.59 | 186 | 37.9 | 3.53 | 1.81 | 156 |
| 040 | | - | - | - | - | - | - | - | - | 23.7 | 1.89 | 1.40 | 240 | 24.4 | 2.64 | 1.75 | 212 | 40.9 | 3.11 | 1.97 | 193 | 46.5 | 3.43 | 2.24 | 167 |
| 017 | 50 | - | - | - | - | - | - | - | - | - | - | - | - | 9.6 | 2.10 | 0.71 | 164 | 16.6 | 2.81 | 0.80 | 154 | 18.7 | 3.12 | 0.90 | 141 |
| 021 | | - | - | - | - | - | - | - | - | - | - | - | - | 11.7 | 2.00 | 0.91 | 149 | 21.2 | 2.91 | 1.02 | 136 | 24.0 | 3.25 | 1.15 | 121 |
| 026 | | - | - | - | - | - | - | - | - | - | - | - | - | 17.9 | 2.09 | 1.23 | 221 | 29.0 | 2.80 | 1.39 | 202 | 33.0 | 3.13 | 1.58 | 177 |
| 033 | | - | - | - | - | - | - | - | - | - | - | - | - | 20.0 | 2.11 | 1.37 | 213 | 32.2 | 2.78 | 1.55 | 192 | 36.5 | 3.10 | 1.75 | 166 |
| 040 | | - | - | - | - | - | - | - | - | - | - | - | - | 25.2 | 2.14 | 1.73 | 214 | 40.3 | 2.80 | 1.94 | 196 | 45.4 | 3.08 | 2.19 | 173 |

