

# AR Series Technical Information

| Model      | Description                           | A Diameter (mm) | B Hot Outlet (mm) | C Cold Inlet (mm) | D Height (mm) | Empty Weight (Kgs) | Sizing Guide |
|------------|---------------------------------------|-----------------|-------------------|-------------------|---------------|--------------------|--------------|
| EHPA300VM  | 300L AR Series Heat Pump              | 652             | 1259              | 116               | 1925          | 128                |              |
| EHPA300VMH | 300L AR Series (Hard Water) Heat Pump |                 |                   |                   |               |                    |              |
| EHPA340VM  | 340L AR Series Heat Pump              | 652             | 1429              | 116               | 2095          | 138                |              |
| EHPA340VMH | 340L AR Series (Hard Water) Heat Pump |                 |                   |                   |               |                    |              |

| Technical Information  |                                   | EHPA300VM/<br>EHPA300VMH | EHPA340VM/<br>EHPA340VMH |
|--|-----------------------------------|--------------------------|--------------------------|
| Net Weight/Filled Weight (kg)  |                                   | 128/428                  | 138/478                  |
| Tank Volume (L)  |                                   | 300                      | 340                      |
| Sound Level  |                                   | 45 dB(A)                 |                          |
| Ambient Temperature Limits (for heat pump operation - element will operate beyond these limits) (°C) |                                   | -7°C to 45°C             |                          |
| Ingress Protection   |                                   | IP24                     |                          |
| Storage Cylinder - Hot Outlet and Cold Inlet Connections   |                                   | ISO 7.1/4" RP            |                          |
| Storage Cylinder - PTR valve connection  |                                   | ISO 7.1/2" RP            |                          |
| Pressure and Temperature Relief (PTR) supplied valve settings/ratings                                |                                   | 1000 kPa / 10kW          |                          |
| ECV Fitted   | Fit PLV if mains pressure exceeds | 680 kPa                  |                          |
|  | Recommended PLV pressure rating   | 500 kPa                  |                          |
| ECV Not Fitted   | Fit PLV if mains pressure exceeds | 800 kPa                  |                          |
|  | Recommended PLV pressure rating   | 500 kPa                  |                          |
| Refrigerant Type / Mass  |                                   | R290 / 380g              |                          |
| Rated Input Electric Element (Factory Wired)   |                                   | 2.4kW                    |                          |
| Rated Input Refrigeration Module (Factory Wired)   |                                   | 1.2kW                    |                          |
| Total Rated Input (To be wired by installer)   |                                   | 3.4kW                    |                          |
| Maximum Energy Output (Use to size PTR)  |                                   | 7.5kW                    |                          |
| Power Supply   |                                   | 220V-240V AC/50 Hz.      |                          |
| Rated Current  |                                   | 15 Amps                  |                          |
| Refrigerant Circuit Maximum Pressure   |                                   | 3000 kPa                 |                          |
| Coefficient Of Performance (COP)<br>(32.6°C ambient 21.1°C cold water inlet)                         |                                   | 8.4                      |                          |
| Heat Output  |                                   | 4.4 kW                   |                          |
| Package Size   |                                   | 713x713x2016             | 713x713x2186             |

