

## WATERLOOP SYSTEM

SILENT  
CONDENSING  
UNITS

EWC



SILENT

Silent water-cooled condensing units for refrigeration and freezing, very compact in size, designed for installation on the wall, floor or on the refrigeration unit. For medium and low temperature applications.

R-449A



## GENERAL CHARACTERISTICS

- Pre-charged with nitrogen.
- R-449A ready. Other refrigerants (please consult).
- Water\* or water + 30% ethylene glycol.
- Power supply 230 V-I-50 Hz or 400 V-III-50 Hz (Other voltages, please enquire).
- Hermetic scroll compressor on anti-vibration mounts.
- Liquid injection in low-temperature models.
- Stainless steel welded plate condenser.
- Liquid receiver.
- Ceramic filter dryer.
- Liquid sight glass.
- High and low pressure switches.
- Service valves (200 series).
- Pressure switch valve.
- Hydraulic condensation circuit in copper pipe with threaded connections.
- Voltage protector and magneto thermic protection.
- Built-in electrical power and control panel.

\* Provided that the ambient temperature is above 0°C.

## OPTIONS

- Winter Kit.
- Alternation / failure system for two units.
- Synchronised defrosting system for two units.
- Time control.
- Voltage protector (single-phase version).
- Humidifier external to the equipment and control.
- Electronic controller with fan-control relays, solenoid coil, resistors, chamber temperature and defrost probes, with 10 m of electrical interconnections and a 3 m connection hose.
- Anti-corrosive treatment for the condenser unit furniture
- Monitoring and control system. See page 69.



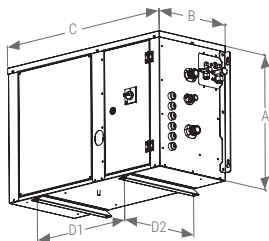
| 0 °C<br>-5 °C ÷ 10 °C |                       | Refrigeration capacity |  | Compressor |     | Nominal consumption | Max. load current | Liq  | Suct   | R-449A   | Conexiones hidráulicas | Flow | Noise level | Weight |
|-----------------------|-----------------------|------------------------|-----------------------------------------------------------------------------------|------------|-----|---------------------|-------------------|------|--------|----------|------------------------|------|-------------|--------|
| Series                | Model                 |                        |                                                                                   | HP         | kW  |                     |                   |      |        |          |                        |      |             |        |
| 200                   | EWC2012M1X            | 2.120                  | 230/1/50                                                                          | 1 1/4      | 1   | 5,5                 | 6,6               | 3/8" | 1/2"   | NITROGEN | 1"                     | 0,4  | 25          | 54     |
|                       | EWC2020M5X            | 3.620                  | 400/3/50                                                                          | 2          | 1,5 | 3                   | 4,5               | 3/8" | 5/8"   |          | 1"                     | 0,68 | 25          | 61     |
|                       | <b>NEW</b> EWC2025M5X | 4.250                  | 400/3/50                                                                          | 2 1/4      | 1,7 | 3,9                 | 6,7               | 3/8" | 5/8"   |          | 1"                     | 0,79 | 29          | 64     |
|                       | EWC2030M5X            | 4.950                  | 400/3/50                                                                          | 3          | 2,2 | 4,2                 | 6,8               | 3/8" | 3/4"   |          | 1"                     | 0,92 | 29          | 66     |
|                       | <b>NEW</b> EWC2035M5X | 6.150                  | 400/3/50                                                                          | 3 1/2      | 2,6 | 4,6                 | 8,3               | 3/8" | 3/4"   |          | 1"                     | 1,15 | 29          | 66     |
|                       | EWC2040M5X            | 7.400                  | 400/3/50                                                                          | 4          | 3   | 5,5                 | 9,8               | 3/8" | 3/4"   |          | 1 1/4"                 | 1,38 | 29          | 69     |
| 300                   | EWC3050M5X            | 8.180                  | 400/3/50                                                                          | 5          | 3,7 | 5,9                 | 11,7              | 1/2" | 7/8"   | NITROGEN | 1 1/4"                 | 1,53 | 29          | 85     |
| 400                   | EWC4065M5X            | 11.830                 | 400/3/50                                                                          | 6 1/2      | 4,8 | 8                   | 15,3              | 1/2" | 1 1/8" |          | 1 1/4"                 | 2,21 | 29          | 84     |

| -20 °C<br>-15 °C ÷ -25 °C |                        | Refrigeration capacity |  | Compressor |     | Nominal consumption | Max. load current | Liq  | Suct   | R-449A   | Conexiones hidráulicas | Flow   | Noise level | Weight |
|---------------------------|------------------------|------------------------|-----------------------------------------------------------------------------------|------------|-----|---------------------|-------------------|------|--------|----------|------------------------|--------|-------------|--------|
| Series                    | Model                  |                        |                                                                                   | HP         | kW  |                     |                   |      |        |          |                        |        |             |        |
| 200                       | EWC2020L5X*            | 1.420                  | 400/3/50                                                                          | 2          | 1,6 | 3,2                 | 4,6               | 3/8" | 5/8"   | NITROGEN | 3/8"                   | 5/8"   | 25          | 62     |
|                           | EWC2030L5X*            | 2.775                  | 400/3/50                                                                          | 3          | 2,2 | 4,15                | 9,8               | 3/8" | 3/4"   |          | 3/8"                   | 3/4"   | 29          | 66     |
| 300                       | EWC3040L5X*            | 3.425                  | 400/3/50                                                                          | 4          | 3   | 6,3                 | 12                | 3/8" | 3/4"   |          | 3/8"                   | 3/4"   | 29          | 85     |
|                           | EWC3050L5X*            | 4.325                  | 400/3/50                                                                          | 5          | 3,7 | 7                   | 14,4              | 1/2" | 7/8"   |          | 1/2"                   | 7/8"   | 29          | 87     |
| 400                       | <b>NEW</b> EWC4060L5X* | 5.422                  | 400/3/50                                                                          | 6          | 4,7 | 9                   | 18,3              | 1/2" | 1 1/8" |          | 1/2"                   | 1 1/8" | 29          | 87     |
|                           | <b>NEW</b> EWC4075L5X* | 7.661                  | 400/3/50                                                                          | 7 1/2      | 6,2 | 12,5                | 22,7              | 1/2" | 1 3/8" |          | 1/2"                   | 1 3/8" | 29          | 87     |

## DIMENSIONS

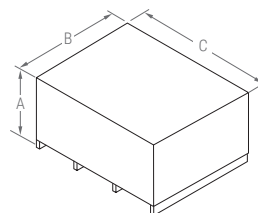
CONDENSING UNIT

| Series | A   | B   | C   | D1  | D2  |
|--------|-----|-----|-----|-----|-----|
| 200    | 538 | 359 | 833 | 479 | 375 |
| 300    | 579 | 484 | 943 | 572 | 500 |
| 400    | 677 | 484 | 943 | 572 | 500 |

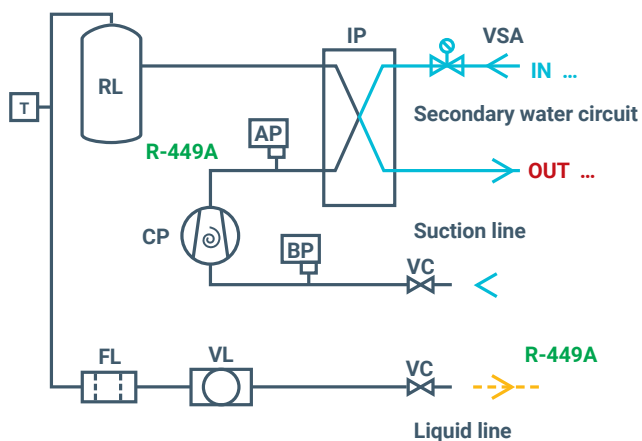


CONDENSER UNIT + PACKAGING

|     | A   | B   | C     | kg  |
|-----|-----|-----|-------|-----|
| 200 | 880 | 640 | 980   | 80  |
| 300 | 970 | 780 | 1.105 | 110 |
| 400 | 970 | 780 | 1.105 | 110 |



## REFRIGERATOR SCHEME



**AP:**  
High pressure switch  
**BP:**  
Low pressure switch  
**CP:**  
Compressor  
**IP:**  
Plate exchanger  
**RL:**  
Liquid container

**T:**  
Probe  
**VSA:**  
Solenoid water valve  
**FL:**  
Filter  
**VC:**  
Shut-off valve  
**VL:**  
Viewer