

## COMMERCIAL EQUIPMENT

## WORK ROOMS

ESF



Commercial split refrigeration units for small volume cold storage rooms, with centrifugal fan, specially designed for food handling and processing rooms, antechambers and loading areas. For high temperature applications.

NEW

R-449A



## GENERAL CHARACTERISTICS

- Pre-charged with refrigerant (Max. length 10 m).
- Hermetic compressor.
- Service valves (Series 200 - 300).
- Liquid receptacle.
- Ceramic filter dryer.
- Liquid sight glass.
- High and low pressure switch.
- Condensation control by pressure switch.
- Probe alert "dirty condenser".
- Centrifuge fan in the condenser (Max. length 10 m, min. diameter, 315 mm Series 200 - 300 and 300x260 mm Serie 400).
- Thermostatic expansion valve in the evaporator.
- Solenoid valve is shipped loose for fitting to the evaporator.
- Automatic air defrosting.
- Double flow type evaporator with nitrogen with low air flow.
- Electrical supply cable (3 m) (Series 200 - 300).
- Electrical interconnection (3) evaporator (10 m) (Series 200 - 300).
- Remote multifunctional electronic control (5 m) (Series 200 - 300).
- Cable for light (3 m) (Series 200-300).
- Voltage protector in three-phase version.

## OPTIONS

- Winter Kit.
- Rotation / failure system for two units.
- Synchronized defrost system for two units.
- Voltage protector (single-phase version).
- Built-in condensate pump on double-flow evaporators (max. Pumping head 1,5 m).
- Anti-corrosion treatment on condenser / evaporator coil.
- Exhaust air duct (200 - 300 series).
- Other voltages and 60 Hz. Request.
- Time control.
- Humidifier external to the equipment and control.
- Independent electrical panel. (200-300 series). See page 167.
- Anti-corrosive treatment for the condenser unit furniture.
- Monitoring and control system. See page 69.

Xweb

## ELECTRONIC CONTROLLER

KIDE-Split units incorporate the advanced XW60K-2DI electronic controller as standard.

- Temperature control with maximum and minimum temperature recordings.
- "Jet Cool" function for rapid cooling
- Intelligent defrost.



CALCULATION BASIS - Pag. 168

| 12 °C<br>+10°C ÷ 15 °C |                       | Refrigera-<br>tion<br>capacity | °C<br>EXT | °C<br>EXT |          | Compressor |     | Model UC.  | Liq | Suct | R-455A | Nominal<br>consump-<br>tion | Max. load<br>current | Evap. model | Flow                 | Noise<br>level | Weight |
|------------------------|-----------------------|--------------------------------|-----------|-----------|----------|------------|-----|------------|-----|------|--------|-----------------------------|----------------------|-------------|----------------------|----------------|--------|
| Series                 | Model                 | W                              | m³        | m³        |          | HP         | kW  |            |     |      | kg     | A                           | A                    |             | condens.<br>evapora. |                |        |
|                        |                       |                                |           |           |          |            |     |            |     |      |        |                             |                      |             | m³/h                 | dBA            | kg     |
| 200                    | <b>NEW</b> ESF2007H1X | 1.900                          | 22        | 17        | 230/1/50 | 3/4        | 0,5 | ECF2007H1X | 3/8 | 1/2  | <2,5   | 5,1                         | 6,4                  | EEP4084W1X  | 1.040 - 1.590        | 25             | 100    |
| 300                    | <b>NEW</b> ESF3008H1X | 2.400                          | 29        | 25        | 230/1/50 | 1          | 0,7 | ECF3008H1X | 3/8 | 1/2  | <3,5   | 6,1                         | 7,5                  | EEP4094W1X  | 1.200 - 1.380        | 28             | 110    |
| 400                    | <b>NEW</b> ESF4015H1X | 3.300                          | 48        | 36        | 230/1/50 | 1 1/2      | 1,1 | ECF4015H1X | 3/8 | 1/2  | <4     | 12,1                        | 13,9                 | EEP4094W1X  | 1.200 - 1.380        | 30             | 135    |
|                        | <b>NEW</b> ESF4020H5X | 5.100                          | 96        | 76        | 400/3/50 | 2          | 1,5 | ECF4020H5X | 3/8 | 3/4  | <4     | 7,9                         | 11,6                 | EEP4154W1X  | 3.220 - 3.180        | 30             | 135    |
| 500                    | <b>NEW</b> ESF5030H5X | 6.850                          | 135       | 108       | 400/3/50 | 3          | 2,2 | ECF5030H5X | 1/2 | 3/4  | <4,5   | 10,2                        | 15,1                 | EEP4214W1X  | 5.200 - 2.400        | 32             | 155    |

## DIMENSIONS

| Series | COND. |     |       |     |     |         | EVAP. |     |       |       |     |
|--------|-------|-----|-------|-----|-----|---------|-------|-----|-------|-------|-----|
|        | A     | B   | C     | D1  | D2  | Model   | A     | B   | C     | D1    | D2  |
| 200    | 450   | 485 | 900   | 800 | 373 | EEP4084 | 284   | 853 | 796   | 582   | 810 |
| 300    | 500   | 485 | 900   | 800 | 373 | EEP4094 | 310   | 853 | 796   | 582   | 810 |
| 400    | 665   | 670 | 1.030 | 445 | 570 | EEP4094 | 310   | 853 | 796   | 582   | 810 |
|        |       |     |       |     |     | EEP4154 | 307   | 853 | 1.612 | 1.382 | 810 |
| 500    | 915   | 750 | 1.050 | 480 | 630 | EEP4214 | 310   | 848 | 1.900 | 1.731 | 790 |

| Series | U.C + EMB./PACK. |       |       |     | Model   | EVAP.+EMB./PACK. |     |       |    |
|--------|------------------|-------|-------|-----|---------|------------------|-----|-------|----|
|        | A                | B     | C     | kg  |         | A                | B   | C     | kg |
| 200    | 867              | 640   | 985   | 75  | EEP4084 | 315              | 940 | 1.330 | 32 |
| 300    | 867              | 640   | 985   | 90  | EEP4094 | 315              | 940 | 1.330 | 35 |
| 400    | 1.126            | 740   | 1.070 | 130 | EEP4094 | 315              | 940 | 1.330 | 35 |
|        |                  |       |       |     | EEP4154 | 315              | 940 | 1.330 | 55 |
| 500    | 1.136            | 1.000 | 1.350 | 180 | EEP4214 | 315              | 940 | 1.730 | 65 |

