

## WATERLOOP SYSTEM

AIR COOLERS  
WITH HYDRAULIC  
SYSTEM

USI

Silent ethylene glycol water-cooled air coolers with hydraulic unit, designed to evacuate condensation heat from the refrigeration units to the outside.

WATER  
GLYCOL WATER

## GENERAL CHARACTERISTICS

- Water\* or water + 40% ethylene glycol.
- High-efficiency water coil with copper tubes and aluminium fins.
- Threaded hydraulic connections.
- Hydraulic circuit with circulating pump, expansion tank, safety valve, mesh filter, thermometers and drain and fill socket.
- Electric control panel with pump protection, motor fan and speed regulator.
- Variation of the speed of the water pump to adapt to demand, depending on the discharge pressure.

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

| Model                 | Heat exchange power* | Control de caudal de WATER | Flow de fluido | Pump manometric height | Fan       | Max. load current | Connections hydraulic system | Air cooler connections | Noise level | Weight |
|-----------------------|----------------------|----------------------------|----------------|------------------------|-----------|-------------------|------------------------------|------------------------|-------------|--------|
|                       | W                    |                            | m³/h           | m³/h                   | N x Ø mm  | A                 |                              |                        | dBA         | kg     |
| <b>NEW</b> USI000905W | 9.000                | Variable                   | 0,6 - 4,8      | 42,8 - 13,9            | 2 x Ø 450 | 3,86              | 1"                           | 1"                     | 34          | 110    |
| USI001205W            | 11.800               | Variable                   | 0,6 - 4,8      | 42,8 - 13,9            | 1 x Ø 630 | 3,58              | 1"                           | 1"                     | 34          | 125    |
| <b>NEW</b> USI001805W | 18.300               | Variable                   | 1,8 - 8,4      | 42,2 - 10,4            | 1 x Ø 630 | 6,58              | 1 1/4"                       | 1 1/2"                 | 50          | 130    |
| USI002505W            | 24.500               | Variable                   | 1,8 - 8,4      | 42,2 - 10,4            | 1 x Ø 630 | 6,58              | 1 1/4"                       | 1 1/2"                 | 50          | 140    |
| <b>NEW</b> USI003605W | 36.700               | Variable                   | 3,6 - 14,4     | 43,5 - 13,1            | 2 x Ø 630 | 10,66             | 2"                           | 2"                     | 53          | 190    |
| <b>NEW</b> USI004805W | 48.400               | Variable                   | 3,6 - 14,4     | 43,5 - 13,1            | 2 x Ø 630 | 10,66             | 2"                           | 2"                     | 53          | 190    |

\* Estimated heat exchange power with air temperature of +35 °C and water + 40% ethylene glycol inlet/outlet temperature of +45 / +40 °C

## DIMENSIONS

| Series     | AIR COOLER |     |       |     | WATER COOLER + PACKAGING |     |       |     |
|------------|------------|-----|-------|-----|--------------------------|-----|-------|-----|
|            | A          | B   | C     | kg  | A                        | B   | C     | kg  |
| USI000905W | 620        | 385 | 1.285 | 60  | 800                      | 485 | 1.685 | 100 |
| USI001205W | 760        | 465 | 1.375 | 75  | 1.220                    | 960 | 1.775 | 115 |
| USI001805W | 760        | 465 | 1.375 | 60  | 1.220                    | 960 | 1.775 | 115 |
| USI002505W | 760        | 465 | 1.375 | 83  | 1.220                    | 960 | 1.775 | 125 |
| USI003605W | 760        | 465 | 2.575 | 130 | 1.220                    | 960 | 2.975 | 230 |
| USI004805W | 760        | 465 | 2.575 | 130 | 1.220                    | 960 | 2.975 | 230 |

| HIDRAYLIC GROUP |     |       |     |     |    | HYDRAULIC SYSTEM + PACKAGING |     |       |     |
|-----------------|-----|-------|-----|-----|----|------------------------------|-----|-------|-----|
| A               | B   | C     | D1  | D2  | kg | A                            | B   | C     | kg  |
| 930             | 304 | 1.204 | 670 | 326 | 50 | 930                          | 304 | 1.204 | 150 |
| 930             | 304 | 1.204 | 670 | 326 | 50 | 930                          | 304 | 1.204 | 150 |
| 930             | 304 | 1.204 | 670 | 326 | 54 | 930                          | 304 | 1.204 | 150 |
| 930             | 304 | 1.204 | 670 | 326 | 54 | 930                          | 304 | 1.204 | 150 |
| 930             | 304 | 1.204 | 670 | 326 | 59 | 930                          | 304 | 1.204 | 150 |
| 930             | 304 | 1.204 | 670 | 326 | 59 | 930                          | 304 | 1.204 | 150 |

