

# IDHD-Series

## Industrial Dehumidifiers

130 to 3000 lpd | Basic Control | Advanced Control

Product Data



**ID**
**SP**

## DEHUMIDIFIERS FOR SWIMMING POOLS AND INDUSTRY



The **ID** and **SP** range dehumidifiers are designed for use in high latent load environments requiring 24hrs/day operation. They are typically installed in environments such as public and private swimming pools, dairies, basements, ironing shops, curing cellars, warehouses and wherever a lack of humidity control can damage the structure or the product.

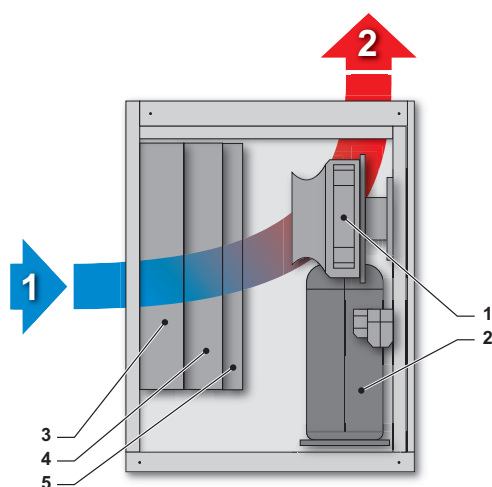
### Technical sheet range **ID - SP**

|                             |         | <b>0130</b>                  | <b>0160</b> | <b>0190</b> | <b>0210</b> | <b>0260</b>                   | <b>0300</b> | <b>0350</b> | <b>0450</b>                    | <b>0580</b> |
|-----------------------------|---------|------------------------------|-------------|-------------|-------------|-------------------------------|-------------|-------------|--------------------------------|-------------|
| Dehumidifying capacity      | L / day | 128                          | 157         | 190         | 210         | 268                           | 302         | 358         | 452                            | 581         |
| Air flow rate               | m³/h    | 1200                         | 1600        | 1600        | 2000        | 2800                          | 2800        | 3800        | 4000                           | 4800        |
| Hot water coil capacity     | kW      | 9,8                          | 9,8         | 9,8         | 16,5        | 17                            | 17          | 26,5        | 26,5                           | 27          |
| Electrical heaters capacity | kW      | 4                            | 5           | 5           | 6           | 6                             | 6           | 6           | 11                             | 11          |
| Power supply                | V/ph/Hz | I----- 230/1/50 -----I       |             |             |             | I----- 400/3/50 -----I        |             |             |                                |             |
| Dimensions L X D X H        | mm      | I---- 700 x 550 x 900 -----I |             |             |             | I----- 700 x 850 x 900 -----I |             |             | I----- 830 x 850 x 1350 -----I |             |

### Technical sheet range **ID - SP**

|                             |         | <b>0750</b>            | <b>0950</b> | <b>1100</b>            | <b>1400</b> | <b>1500</b>                | <b>1700</b> | <b>1900</b>               | <b>2200</b> | <b>3000</b> |
|-----------------------------|---------|------------------------|-------------|------------------------|-------------|----------------------------|-------------|---------------------------|-------------|-------------|
| Dehumidifying capacity      | L / day | 760                    | 955         | 1120                   | 1380        | 1480                       | 1710        | 1870                      | 2180        | 2960        |
| Air flow rate               | m³/h    | 7000                   | 8200        | 11000                  | 12500       | 13000                      | 15000       | 15000                     | 17000       | 25000       |
| Hot water coil capacity     | kW      | 48                     | 55          | 76                     | 83          | 98                         | 107         | 107                       | 118         | 168         |
| Electrical heaters capacity | kW      | 22                     | 22          | 36                     | 43          | 43                         | 54          | 54                        | 54          | 87          |
| Power supply                | V/ph/Hz | I----- 230/1/50 -----I |             |                        |             | I----- 400/3/50 -----I     |             |                           |             |             |
| Dimensions L X D X H        | mm      | 1000 x 1400 x 1350     |             | -I- 1000 x 1950 x 1640 |             | -I----- 1000 x 2500 x 1640 |             | -----I 1000 x 3390 x 1640 |             |             |

All the values refer to the following conditions: Air temperature 30°C, Relative Humidity 80%, Water temperature 80/70°C



|                                         | STANDARD CONTROL | DEVELOPMENT CONTROL |
|-----------------------------------------|------------------|---------------------|
| Electronic radial fans                  | --               | OPTIONAL            |
| ACF: automatic control flow             | --               | OPTIONAL            |
| High pressure centrifugal fans          | OPTIONAL         | OPTIONAL            |
| Hot water reheat coil with valve        | OPTIONAL         | OPTIONAL            |
| Desuperheater                           | OPTIONAL         | OPTIONAL            |
| Dirty filters sensor                    | OPTIONAL         | OPTIONAL            |
| Softstart                               | OPTIONAL         | OPTIONAL            |
| RS485 serial port                       | OPTIONAL         | OPTIONAL            |
| Filter holder frame for suction ducting | OPTIONAL         | OPTIONAL            |
| Clock card - time bands                 | --               | OPTIONAL            |
| Humidity sensor                         | --               | OPTIONAL            |
| Mechanical humidistat                   | OPTIONAL         | --                  |
| CTI - Chrono-hygrothermostat            | OPTIONAL         | --                  |
| Hot gas defrosting                      | OPTIONAL         | OPTIONAL            |
| Remote wall terminal                    | --               | OPTIONAL            |
| Outdoor version                         | OPTIONAL         | OPTIONAL            |
| Manometers                              | OPTIONAL         | OPTIONAL            |
| Summer / Winter operating modes         | --               | OPTIONAL            |
| Silent version                          | OPTIONAL         | OPTIONAL            |
| High efficiency air filters             | OPTIONAL         | OPTIONAL            |
| Electrical heaters                      | OPTIONAL         | OPTIONAL            |
| More powerful electrical heaters        | OPTIONAL         | OPTIONAL            |
| More powerful water coil for heat pump  | OPTIONAL         | OPTIONAL            |

