

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.

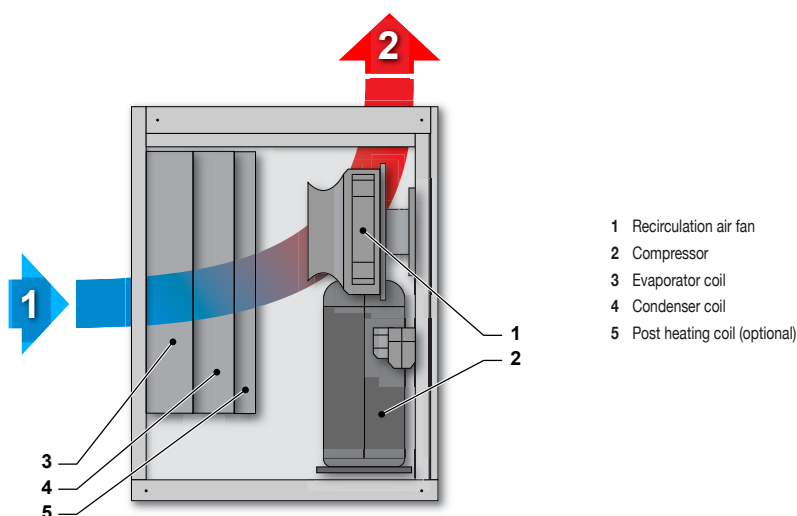
Technical sheet range **ID - SP**

		0130	0160	0190	0210	0260	0300	0350	0450	0580
Dehumidifying capacity	L/24h	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
Electric 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**

		0750	0950	1100	1400	1500	1700	1900	2200	3000
Dehumidifying capacity	L/24h	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
Electric power supply	V/ph/Hz	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



Options:

	STANDARD CONTROL (*)	ADVANCED CONTROL
Filter holder frame for suction ducting with high efficiency air filters	✓	✓
Mechanical hygrostat	✓	--
Electronic chrono – hygrostat	✓	--
Hot water coil with 3-ways valve	✓	✓
Chilled water coil with 3-ways valve	✓	✓
Silent version -2 dB(A)	✓	✓
Soft-start	✓	✓
Manometers	✓	✓
Hot gas defrost	✓	✓
De-superheater	✓	✓
Centrifugal fan with high prevalence	✓	✓
Electronic radial fans	--	✓
ACF - Automatic Control Flow (only with electronic radial fans)	--	✓
Clock card – time scheduling	--	✓
Dirty filters sensor	--	✓
Remote user terminal including 20 m cable	--	✓
TH probe for duct installation	--	✓
Serial board Modbus, Lonworks, Bacnet, Konnex	--	✓
External version (outside temperature down to -10°C)	✓	✓
Panels thermal insulation, thickness 20 mm	✓	✓
Pivoting wheels	✓	✓

✓ : Available.

-- : Not available.

(*) : Available for models up to 0950.



IT

ST

DEHUMIDIFIERS FOR INDUSTRIES / SWIMMING POOLS WITH TEMPERATURE CONTROL



The dehumidifiers of the series **IT** and **ST** are conceived for the use in high latent load environments requiring 24hrs/day operation. Thanks to the temperature control function, with an external condenser, these units grant a full control, not only of the humidity, but also of the ambient temperature.

Therefore, these units are suitable for those applications in which the contemporary control of both the parameters is required, such as swimming pools, food storage, salami and cheese seasoning processes and wherever the non-control of temperature and humidity can damage the goods.

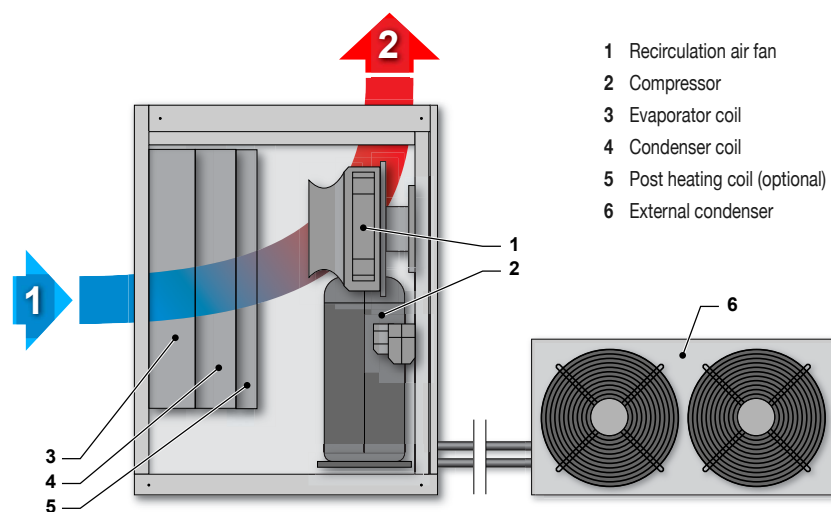
Technical sheet range **IT - ST**

		0130	0160	0190	0210	0260	0300	0350	0450	0580
Dehumidifying capacity	L/24h	128	157	190	210	268	302	358	452	581
Air flow rate	m³/h	1200	1600	1600	2000	2800	2800	3800	4000	4800
Cooling power	kW	6,5	8	10	11	15	16	19	23	30
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
Electric 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 **IT - ST**

		0750	0950	1100	1400	1500	1700	1900	2200	3000
Dehumidifying capacity	L/24h	760	955	1120	1380	1480	1710	1870	2180	2960
Air flow rate	m³/h	7000	8200	11000	12500	13000	15000	15000	17000	25000
Cooling power	kW	38	50	56	66	75	86	96	110	148
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
Electric power supply	V/ph/Hz	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



- 1 Recirculation air fan
- 2 Compressor
- 3 Evaporator coil
- 4 Condenser coil
- 5 Post heating coil (optional)
- 6 External condenser

Options:

	STANDARD CONTROL (*)	ADVANCED CONTROL
Filter holder frame for suction ducting with high efficiency air filters	✓	✓
Mechanical hygrostat	✓	--
Electronic chrono – hygrostat	✓	--
Silent version -2 dB(A)	✓	✓
Soft-start	✓	✓
Manometers	✓	✓
Hot gas defrost	✓	✓
De-superheater	✓	✓
Centrifugal fan with high prevalence	✓	✓
Electronic radial fans	--	✓
ACF - automatic control flow (only with electronic radial fans)	--	✓
Clock card – time scheduling	--	✓
Dirty filters sensor	--	✓
Remote user terminal including 20 m cable	--	✓
TH probe for duct installation	--	✓
Serial board Modbus, Lonworks, Bacnet, Konnex	--	✓
External version (outside temperature down to -10°C)	✓	✓
Panels thermal insulation, thickness 20 mm	✓	✓
Pivoting wheels	✓	✓

✓ : Available.

-- : Not available.

(*) : Available for models up to 0950.

