

**IT ST**

**DEHUMIDIFIERS FOR INDUSTRIES / SWIMMING POOLS WITH TEMPERATURE CONTROL**



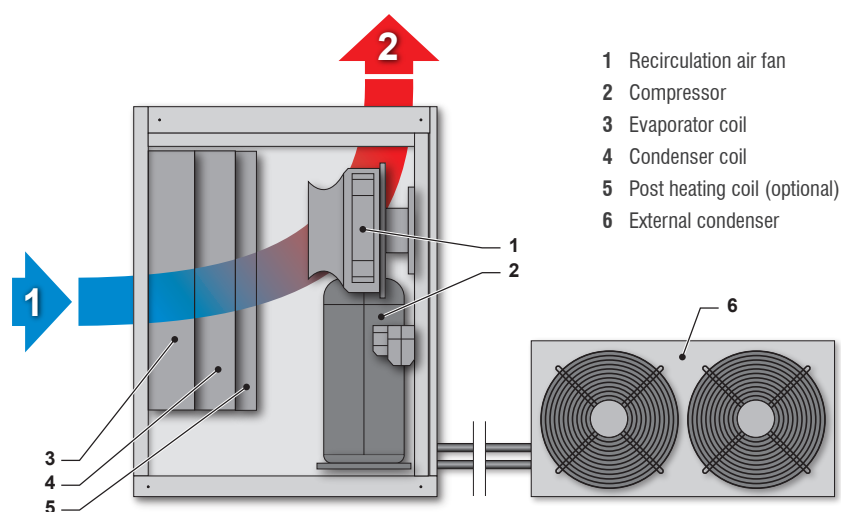
The dehumidifiers of the series **IT** and **ST** are conceived for the use in high latent load environments requiring 24hrs/day operation. Thanks to the temperature control function, with an external condenser, these units grant a full control, not only of the humidity, but also of the ambient temperature.

Therefore, these units are suitable for those applications in which the contemporary control of both 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 of the range		IT ST									
		0100	0130	0160	0190	0210	0260	0300	0350	0450	0580
Dehumidifying capacity	L/Day	100	128	157	190	210	268	302	358	452	581
Air flow rate	m³/h	900	1200	1600	1600	2000	2800	2800	3800	4000	4800
Cooling power	kW	4,9	6,5	8	10	11	15	16	19	23	30
Hot water coil capacity	kW	5,5	9,8	9,8	9,8	16,5	17	17	26,5	26,5	27
Electric power supply	V/ph/Hz	230 / 1+N / 50					400 / 3+N / 50				
Dimensions L x P x H	mm	550 x 700 x 900				850 x 700 x 900			850 x 830 x 1350		
Weight	kg	100	100	105	110	120	130	140	220	230	240

Technical sheet of the range		IT ST									
		0750	0950	1100	1400	1500	1700	1900	2200	3000	4500
Dehumidifying capacity	L/Day	760	955	1120	1380	1480	1710	1870	2180	2960	4650
Air flow rate	m³/h	7000	8200	11000	12500	13000	15000	15000	17000	25000	35000
Cooling power	kW	38	50	56	66	75	86	96	110	148	277
Hot water coil capacity	kW	48	55	76	83	98	107	107	118	168	235
Electric power supply	V/ph/Hz	400 / 3+N / 50									
Dimensions L x P x H	mm	1400 x 1000 x 1350		1950 x 1000 x 1640		2500 x 1000 x 1640			3390 x 1000 x 1640		4430 x 1000 x 1640
Weight	kg	410	430	650	720	780	840	900	950	1250	1550

All the values refer to the following conditions: inlet air: 30°C - 80% RH; inlet/outlet water: 80/70°C; outdoor air: 30°C - 50% RH.



- 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	X	X
Mechanical hygrostat	X	--
Electronic chrono – hygrostat	X	--
Hot water coil with 3ways valve	X	X
Chilled water coil with 3ways valve	X	X
Silent version -2 dB(A)	X	X
Soft-start	X	X
Manometers	X	X
Hot gas defrost	X	X
De-superheater for swimming pool water	X	X
Centrifugal fan with high prevalence	X	X
Electronic radial fans	(**)	X
Contact for 0-10 V humidifier control	--	X
ACF - Automatic Control Flow	--	X
Clock card – time scheduling	--	INCLUDED
Dirty filters sensor	--	X
Remote user terminal including 20 m cable	--	X
TH probe for duct installation	--	X
Serial board Modbus, Lonworks, Bacnet, Konnex	--	X
Ethernet™ interface card™ (***)	--	X
Version for outdoor installation	X	X
Panels thermal insulation, thickness 20 mm	X	X
Panels thermal insulation, thickness 40 mm	X	X
Pivoting wheels	X	X
Mirror version (access on the left)	--	--

X Available.

-- Not available.

(\*) Available for models up to 0950.

(\*\*) Adjustment with potentiometer.

(\*\*\*) Protocols available: SNMP v1 & v2c, BACnet / IP, BACnet Ethernet e Modbus TCP / IP.

