

SPR

**SWIMMING POOL DEHUMIDIFIERS
WITH ENHANCED AIR RENEWAL
AND HIGH-EFFICIENCY HEAT RECOVERY SYSTEM**



The **SPR** units are ideal for swimming pools that not only require dehumidification but must also renew the indoor air without dispersing heat outdoors. Up to 80% yield is guaranteed by the high-efficiency recovery system. The SPR units represent the state-of-the-art in terms of efficiency, reliability and emitted sound power. The SPR range only uses electronic radial fans with high-energy efficiency incorporated inverter. HiDew has developed a sophisticated adjustment software to adjust the SPR dehumidifiers air flow rate. This software sets, measures and controls the air flow rate, eliminating any chance of incorrectly calculating the ducts' pressure drops, thereby making dehumidifier installation and system commissioning extremely easy and quick and reducing installation times and costs.

Technical sheet of the range SPR **0130** **0160** **0190** **0210** **0260** **0300**

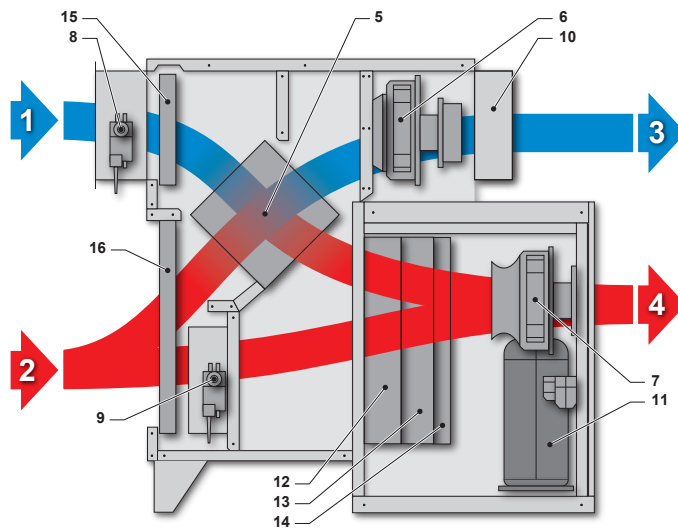
Dehumidifying capacity	L / day	128	157	190	210	268	302
Recirculation air flow rate	m ³ /h	1200	1600	1600	2000	2800	2800
Fresh air flow rate	m ³ /h	0 - 1200	0 - 1200	0 - 1200	0 - 2000	0 - 2000	0 - 2000
Hot water coil capacity	kW	9,8	9,8	9,8	16,5	17	17
Heat recovery system efficiency	%	70	70	70	70	70	70
Alimentazione elettrica	V/ph/Hz	----- 230/1/50 -----			----- 400/3/50 -----		

Technical sheet of the range SPR **0350** **0450** **0580** **0750** **0950** **1100** **1400**

Dehumidifying capacity	L / giorno	358	452	581	760	955	1120	1380
Recirculation air flow rate	m ³ /h	3800	4000	4800	7000	8200	11000	12500
Fresh air flow rate	m ³ /h	0 - 2000	0 - 2000	0 - 2000	0 - 6000	0 - 6000	0 - 11000	0 - 12500
Hot water coil capacity	kW	26,5	26,5	27	48	55	76	83
Heat recovery system efficiency	%	70	70	70	70	70	70	70
Power supply	V/ph/Hz	----- 400/3/50 -----						

Dehumidification power in following conditions: Air Temperature 30°C, Relative Humidity 80% net of contribution of air renewal
Recovery system efficiency with indoor 26°C/60% RH outdoor -5°C/80% RH conditions
















- 1 Inlet fresh outdoor air flow
- 2 Indoor recirculation air flow
- 3 Expelled outdoors air flow
- 4 Supply air flow indoors
- 5 High-efficiency crossed flows heat recovery system
- 6 Exhaust air exhaust fan
- 7 Recirculation air fan
- 8 Outdoor air damper
- 9 Calibration damper
- 10 Discharged air gravity damper
- 11 Compressor
- 12 Evaporator coil
- 13 Condenser coil
- 14 Reheat coil (optional)
- 15 Outdoor fresh air filter
- 16 Indoor recirculation air filter



Options:

- ACF: automatic control flow
- Hot water reheat coil with valve
- Desuperheater
- Dirty filters sensor
- Softstart
- RS485 serial port
- EU4 Efficiency air filters
- Condensate drain pump
- Clock card - time bands
- Electric coils
- Wall remote terminal
- Outdoor version
- Manometers
- Summer / Winter operating modes

Key to symbols used

 Heat Recovery	 Isothermic version	 High Efficiency Fans
 De-humidification	 R410A refrigerant gas	 EC plug fans
 Winter time heating mode	 R134a refrigerant gas	 Low noise version
 Summer time cooling mode	 Scroll Compressors	 Air filter
 Free-Cooling	 BLDC Compressors	 Remote control via RS485