

## 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.

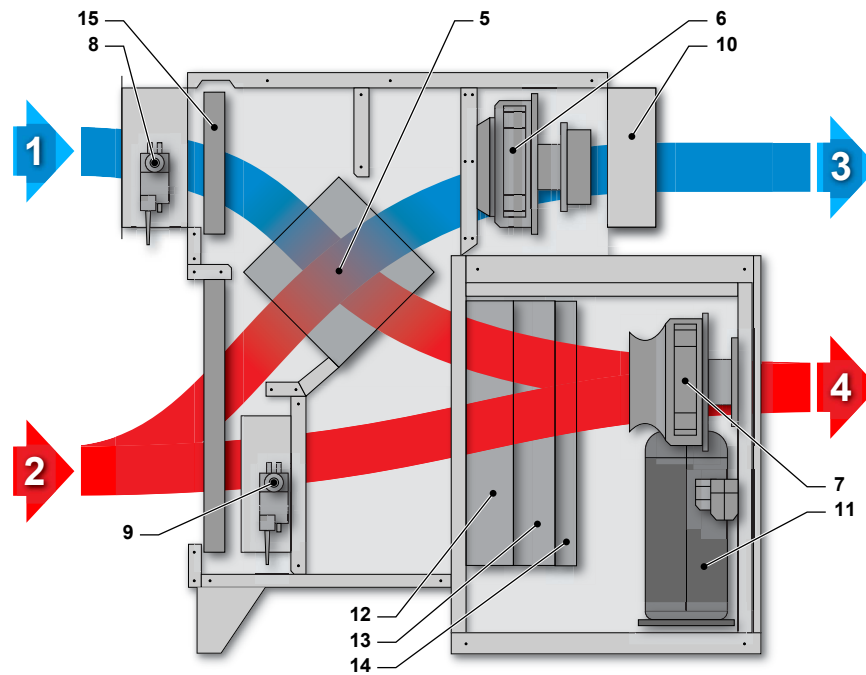
Technical sheet of the range **SPR**

		<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/24h	128	157	190	210	268	302	358	452	581
Recirculation air flow rate	m³/h	1200	1600	1600	2000	2800	2800	3800	4000	4800
Fresh air flow rate	m³/h	0 - 1200	0 - 1200	0 - 1200	0 - 2000	0 - 2000	0 - 2000	0 - 2000	0 - 2000	0 - 2000
Hot water coil capacity	kW	9,8	9,8	9,8	16,5	17	17	26,5	26,5	27
Electrical heaters capacity	kW	5	5	5	6	6	6	6	11	11
Heat recovery system efficiency	%	70	70	70	70	70	70	70	70	70
Electric power supply	V/ph/Hz	I----- 230/1/50 -----I				I----- 400/3/50 -----I				

Technical sheet of the range **SPR**

		<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/24h	760	955	1120	1380	1480	1710	1870	2180	2960
Recirculation air flow rate	m³/h	7000	8200	11000	12500	13000	15000	15000	17000	25000
Fresh air flow rate	m³/h	0 - 6000	0 - 6000	0 - 11000	0 - 12500	0 - 13000	0 - 15000	0 - 15000	0 - 17000	0 - 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
Heat recovery system efficiency	%	70	70	70	70	70	70	70	70	70
Electric power supply	V/ph/Hz	I----- 400/3/50 -----I								

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

#### Options:

- High efficiency air filters
- Hot water coil with 3-ways valve
- Chilled water coil with 3-ways valve
- Free cooling
- Silent version -2 dB(A)
- Soft-start
- Manometers
- Hot gas defrost
- De-superheater
- De-superheater for swimming pool water
- ACF - Automatic Control Flow
- 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