



Swimming pool dehumidifiers type SBA-P

Dehumidifier for wallmounting for indoor pools mounted through the wall. The **SBA-P** increases comfort and prevents mould growth and moisture damage to furniture or the building structure. The units have an epoxy coating to resist chlorine vapours. Optionally, this dehumidifier can be equipped with a heating coil for a more pleasant indoor climate. **The dehumidifier does not have a built-in humidity probe. Choose from the accessories listed below for a built-in humidity probe RGDD or a remote humidistat HYGR for mounting in the pool area.**

Brand

- Emicon

Application

- Dehumidifying indoor swimming pools
- To be mounted in the adjacent technical room
- On request also available as an industrial dehumidifier (HBA-P-version) operating up to 5°C instead of up to 20°C.

Capacity

- 50 to 200 l/24h
- 500 to 1650 m³/h

Accessoires

- **HYGR** - Remote mechanical hygostat for wall mounting. It comes with a control knob and has a working range from 30% to 100% with an accuracy of 3%.
- **HOEL** - Electric post-heating battery (Also take the RGDD.05 in this case)
- **HOWA** - Hot water battery (on central heating water from the boiler or heat pump) to heat the air in the room after drying (also take the KIVM and RGDD.05 in this case)

■ **KIVM** - modulating 3-way valve
In combination with the HOWA hot water battery. The 3-way valve is controlled directly from the regulator of the SBA unit.

- **INSE** - Serial Interface Card RS485

This interface card allows the regulator to communicate with other devices via the Modbus protocol.

- **LS00** - Low noise version
- **PCRL** - Remote control

This panel can be mounted up to 50 m (maximum) from the device and displays all control functions. It is connected using a double cable with a section of 0.75 mm².

- **RGDD - Humidity and temperature sensor** - Built-in electronic temperature and humidity sensor.
- **KGBH - Grille set** - Two air grilles with a double row of adjustable brushed aluminium fins. Suitable for wall mounting with a mounting frame.
- **PMBH - Exhaust and return plenum 90°** To divert the exhaust/return air from the technical room to the pool and vice versa. The bends are coated with polyurethane powder.

Order example

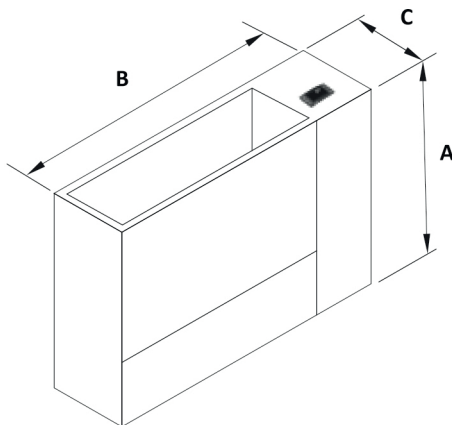
The "SBA (P) 50 1PH RGDD" and "SBA (A) 75 1 PH RGDD" are stock product central warehouse unless sold and have the following options fitted as standard:

- **KGBH** Grille set Air grilles with a double row of adjustable brushed aluminium fins
- **PMBH** Exhaust and return plenum 90°
- **RGDD** Humidity and temperature sensor Built-in

SBA-P		Technical data				
		50	75	100	150	200
Moisture removal at 30°C - 80%	l/24h	49	73	95	155	190
Moisture removal at 30°C - 60%	l/24h	40.1	56.6	77.3	113.1	143.5
Moisture removal at 27°C - 60%	l/24h	35.6	50.7	68.9	96.6	131.7
Moisture removal at 20°C - 60%	l/24h	25.8	35.6	51.3	71.5	96.6
Nominal input power ⁽¹⁾⁽²⁾	kW	0.7	1.2	1.6	1.9	2.5
Maximum input power ⁽²⁾	kW	1.2	1.8	2	2.7	3.4
Electrical post-heater (option)	kW	3	3	3	6	6
Maximum input current ⁽²⁾	A	4	6.8	7.8	12.1	15.7
Peak current	A	19	25	38	45	64
Hot water coil ⁽³⁾	kW	3.5	7	7	11.5	11.8
Air flow rate	m ³ /h	500	800	1000	1400	1650
Refrigerant (GWP)		R410A (2088)				
Refrigerant charge	g (CO ₂ eq-T)	470 (0.981)	600 (1.253)	700 (1.462)	1200 (2.506)	
Sound power ⁽⁴⁾	dB(A)	54	57	57	59	61
Sound pressure level ⁽⁵⁾	dB(A)	47	50	50	52	54
Power supply	V/Ph/Hz	230/1/50				

Performances are calculated with low fan speed and are referred to the following conditions:

- (1) Temperature 30°C, humidity 80%
- (2) Without electric heater
- (3) Room temperature 30°C, water temperature 80/70°C, compressor OFF
- (4) Sound power level calculated according to ISO 9614
- (5) Sound pressure level measured at 1 meter from the unit in free field conditions according to ISO 9614



	Dimensions			[kg]
	A [mm]	B [mm]	C [mm]	
SBA 50 P	680	250	706	41
SBA 75 P	680	250	1006	51
SBA 100 P	680	250	1006	61
SBA 150 P	770	300	1255	82
SBA 200 P	770	300	1255	87

Accessories					
SBA	50 P	75 P	100 P	150 P	200 P
Low noise version LS00			Standard		
Hot water coil (LPHW)	HOWA.49		HOWA.75		HOWA.76
Electrical reheating 3 kW (230/1/50)	HOEL.29	-	-	-	-
Electrical reheating 3 kW (230/1/50)	-		HOEL.30	-	-
Electrical reheating 6 kW (230/1/50)	-	-	-		HOEL.62
Built-in electronic temperature/humidity sensor			RGDD.05		
Mechanical humidistat			HYGR.20		
Remote Control Panel			PCRL.10		
Serial card RS485-MODBUS			INSE.10		
Built-in 3-way valve		KIVM.75			KIVM.76
Exhaust and return plenums in bend 90° 2 pieces	PMBH.09		PMBH.10		PMBH.20
Pulsation and extraction grilles with subframe	KGBH.50		KGBH.75		KGBH.15
Mounting feet			N/A		