

## **Technical Specifications**

Model			BHP-15	BHP-20	BHP-25	BHP-30	BHP-40	BHP-50	BHP-60	BHP-80	BHP-100	BHP-120	BHP-140	BHP-160	BHP-180	BHP-200	BHP-220	BHP-240
Power Supply		V/Hz/Ph							38	0 415/50/3	or 208-230/60	)/3						
Dehumidification capacity		kg/h	17	22	26	33	43	51	62	84	102	124	142	160	182	205	224	240
Cooling capacity		kW/h	25	33	41	51	65	82	94	120	163	192	215	241	269	290	330	357
Heating capacity		kW/h	30	39	47	60	78	102	114	150	214	243	260	280	328	360	405	420
Indoor airflow		m²/h	4000° 5000	5000° 6000	6000° 7000	7500° 9000	9000° 12500	11000° 15000	13000° 18000	16600° 24000	21000° 32000	25000° 38000	30000° 40000	32000° 43000	36030° 48000	38000° 48000	40000° 50000	40000° 50000
Water flow		m³/h	4.7	6.1	7.2	9.4	12.2	14.5	18.8	24.6	30.6	37.5	43	48	55	62	70	72
Current of Installation		A	20	30	35	45	60	70	80	100	120	150	160	180	200	230	260	260
Refrigerant		-	R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410u	R410a	R410a	R410a	R410a	R410a
Water connection		mm	DN50	DN50	DN50	DN50	DN50	DNSO	DN75	DN75	DN110	DN110	DN110	DN110	DN110	DN125	DN125	DN125
Copper tube		Φ	Ф15.88*1 Ф12.7*1	Φ12.7*1	Ф22*1 Ф15.88*1	Ф15.88*2 Ф12.7*2	Ф22*2 Ф12.7*2	022*2 015.88*2	Ф22*2 Ф15.88*2	Ф25*2 Ф19.05*2	Ф28*2 Ф19.05*2	028*2 019.05*2	Ф32*2 Ф22*2	@35*2 @22*2	038*2 022*2	028*4 019.05*4	028*4 019.05*4	Ф28*4 Ф19.05*4
Noise lovel		dB(A)	s65	£67	s67	s60	s68	s68	269	£70	£72	s72	£73	£73	£73	s76	£76	£76
Net dimension (outdoor condenser)	w	mm	706	1470	1470	1470	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
	D	mm	686	860	860	860	950	950	950	1100	950	950	1150	1150	1150	950	950	950
	н	mm	940	990	990	990	1450	1450	1450	1350	1450	1450	1350	1350	1350	1450	1450	1450
Quantity (outdoor condenser)		set	1	1	1	1	1	1	1	1	2	2	2	2	2	4	4	4
Net dimension (indoor main unit)	w	mm	3200	3300	3100	3200	3600	4000	4100	4800	5000	6100	6400	6600	6800	7000	7200	7200
	D	mm	1370	1520	1570	1670	1670	1950	1950	2000	2200	2100	2150	2150	2150	2300	2500	2600
	н	mm	1160	1160	1260	1360	1430	1490	1550	1950	2000	2000	2200	2300	2300	2400	2400	2400
Net weight (indoor main unit)		kg	500	800	900	1200	1500	1650	1850	2200	2500	2700	3000	3300	3500	4000	4200	4200

The above ratings are based on AHRI standard 910-2011 (Performance Rating of Indoor Pool Dehumidifiers): Outdoor ambient DB35°C, pool water tempa. 27°C, chiller water tempa. 7°C
Riveway reserves the rights to modify the above specifications without notice for product improvement. Please contact us for undated information.

# **Indoor Pool Environment Control System**

Blueway Indoor Pool Environment Control System provides effective control of damaging moisture common within indoor pool facilities. The systems maintains a delicate balance of humidity control and manage air and water temperatures for maximum comfort at the lowest cost. This series uses heat pump technology to dehumidify the space and recycle the waste energy to heat both the air and pool water, which is available in many sizes and a variety of configurations for large indoor pools found in hotels, schools, natatoriums, aquatic centers and water parks.

### ■ Built for the Corrosive Pool Environment

Blueway dehumidifier has many special design features to minimize maintenance and extend the life of the unit. All critical components are located out of the corrosive air stream, and coils are constructed from all copper and coated aluminum fins for long life. Blueway uses full-size air/water condensers for maximum pool and air heating or cooling. It utilizes a sophisticated PLC (Programmable Logic Controller) that offers highly efficient control strategies for more efficient intelligent pool operation. All units are constructed of heavy-gauge steel with side and roof panels galvanized and epoxy powder coated to resist corrosion. Panel insulation provides additional energy efficiency along with sound control for indoor and outdoor installations.



## ■ High Efficiency and Environmentally Friendly

All models adopt environmentally-friendly R410A refrigerant and deliver excellent performance characteristics. Staged compressor cycling ensures minimum compressor operation for any given load for greater efficiency, and also maintains a high quality environment. And the system can be configured to return condensate back to the pool, saving the equivalent of the entire pool's volume over one year. For improved air quality plasma filters can be added

## Recycled Energy Lessens the Need for Fossil Fuel Heating

Indoor pools demand large quantities of heat to maintain space and water comfort conditions. Rather than relying on fossil fuel as the primary heat source, Blueway units utilize waste heat generated during dehumidification to heat the space and pool water, and they return much more energy than they use with average recorded savings ranging from 40% to 60% over conventional outside air dilution systems. For every kilowatt of electrical power used to operate a Blueway system, five kilowatts of heat are delivered to the natatorium air and water.

### ■ Rugged Features delivers Unrivaled Performance

- Scroll compressor, efficient and quiet operation
- Titanium tube-in-shell water heat exchanger
- Powder coated cabinet, corrosion resistant
- PLC controller with user friendly interface
- Remote monitoring by phone or internet
- Coated evaporator & reheat condenser coils, long life
- Self diagnosis

