



**ADVANCED TECHNOLOGY  
FOR PEAK PERFORMANCE**

**COMMERCIAL**

# EVO CLIMATE

COMMERCIAL POOL DEHUMIDIFIER & VENTILATION SERIES



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An indoor swimming pool is wonderful for leisure, exercise and business, but did you know it could be causing harmful damage to your health and your surroundings? Elevated humidity levels not only create an uncomfortable environment but they also cause other issues such as:

- Corrosion damage to building components and fittings, in particular metal and concrete
- Moldy and musty odours
- Poor health due to high chemical concentration in the air
- High operating costs due to the need to supply fresh cold air into the room to combat the humidity/odours

There is a solution! The Evo Climate is our commercial dehumidification and ventilation system that helps maintain a delicate balance of humidity control for maximum comfort with the lowest operating cost.

## ONE SYSTEM DELIVERS EVERYTHING YOU NEED



**FRESH AIR  
VENTILATION**



**POOL WATER HEATING \***



**AIR CONDITIONING \***



**DEHUMIDIFICATION**



**AIR HEATING \***

# FEATURES

- » Designed with accurate and efficient components
- » Humidity is precisely controlled between 50% and 60% for maximised comfort
- » Minimal maintenance ensuring a high return on investment
- » Optimum water and air temperature \*
- » Recycles wasted energy from the dehumidification process to heat the pool water and air \*

## EVO CLIMATE PARAMETERS

Specifications		150	250	350	500	600	800	1000	1250
Dehumidification capacity (30°C,80%RH)	kg/hr	15	25	35	50	60	80	100	125
Air heating capacity (30°C,80%RH)	kW	16.3	29.8	38.2	49.6	62.8	83.7	99.2	138.9
Reheat coil Air heating capacity (30°C,80%RH)	kW	23.7	36	55.4	72	91	122	144	202.8
Supply air	cbm/h	3000	5000	7000	10000	12000	15000	20000	25000
External static pressure	Pa	300	300	300	300	300	300	300	300
Refrigerant	type	R410a							
Compressor consumption power	kW	5.3	8.1	12.4	16.2	20.6	26.2	32.4	43
Fan motor consumption power	kW	1.5	2.2	3	4	5.5	5.5	7.5	11
Rated current	A	12.8	18.6	28.8	36.4	46	57.2	71.8	95.8
F.L.A	A	15.5	22.5	35	44.2	55.2	69	87.4	114.9
Fresh air	cbm/h	750	1250	1750	2500	3500	4500	5000	6250
Fresh air damper	type	Automatic							
Air filter	type	G4							
Air return damper	type	Automatic							
Power Supply	V/Hz/Ph	400/50/3							
Protections	type	Phase Protection, High/Low Pressure Protection, Overload Protection, Compressor staged start, Compressor Auto-Protection, Fan Motor Auto-Protection							
Condenser drain pipe diameter	inch	3/4	3/4	1	1	1	1 1/4	1 1/4	1 1/2
Dimension (mm)	Length	3400	3600	3900	3900	4500	4500	4500	4700
	Width	950	1100	1250	1600	1600	2000	2000	2000
	Height	1280	1380	1600	1600	1850	1850	2000	2300
Weight	Kg	600	800	1050	1250	1500	1800	2200	2500

### \*Optional system: Pool water heating

Pool heating capacity (air temperature 30°C, water temperature 26°C)	kW	25	38	58	76	94	132	152	214
Pool water flow	cbm/h	5	12.9	15.8	20.6	28.7	33	43	51.6
Pool inlet/outlet water pipe diameter	mm	50	50	50	63	75	75	90	90

### \*Optional system: air cooled condenser for air cooling

Cooling capacity (ambient temp 35°C)	kW	18.4	27.9	43	55.8	70.4	95.8	111.6	159.8
Total fan motor power	kW	0.6	0.6	1.2	2.4	2.4	2.4	4.8	3.2
Dimension (mm)	Length	750	750	1460	1460	1460	1460	1460	2000
	Width	750	750	760	760	760	760	760	1000
	Height	1060	1060	1060	1060	1060	1060	1060	1900
Weight	Kg	60	100	100	100	100	100	100	300
Quantity to dehumidification system	Pcs	1	1	1	2	2	2	4	2

### \*Optional system: Auxiliary air heating

Auxiliary hot water coil / Electric heater (return air temp 30°C, return water temp 60°C)	kW	21	35	49	70	84	105	140	175
Inlet/outlet water pipe diameter		DN25	DN40	DN40	DN50	DN65	DN65	DN65	DN80

Test standard: Dry bulb temperature of 30°C, relative humidity of 80RH%. The data above is based on the EVO heat pump only, it does not include auxiliary devices. Product specification information provided above is correct at the date of printing, this data may change without notice. Please speak with an EvoHeat Specialist for the most current product specifications

\*Optional systems



## EVO CLIMATE WARRANTY

For further peace of mind the Evo Climate comes with an industry leading warranty:

- 5 years on compressor
- 2 years on parts
- 1 year on labour



WINNER OF THE



## THE SPECIALISTS IN POOL AND SPA HEATING

EvoHeat are 100% Australian owned and operated company and are the industry specialists in pool and spa heat pumps. For over a decade we've been building a solid reputation for pool and spa heating products that are renowned for reducing your energy bills and delivering reliability.

Our exclusive pool heaters are durable and utilise cutting edge components sourced from leading brand manufacturers around the world. EvoHeat only specialise in heat pump technology and are constantly developing and improving our heating applications to ensure we offer you the best in the market.

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