

TECHNICAL SPECIFICATIONS - EXH170, EXH210

GENERAL SPECIFICATIONS:

CABINET and WATER RESERVOIR

The cabinet and water reservoir components are injection moulded structural foam polypropylene (Permatuf®). The cabinet and reservoir are UV stabilised and corrosion free. The pump is secured with two stainless steel screws.

FAN

The fan is a centrifugal type with forward curved blades and double inlets, moulded in one piece from polypropylene. It is inherently, statically and dynamically balanced. The fan shaft is extruded aluminium, marine grade 6106-T6. The shaft does not rotate. The fan housing is moulded from high strength structural polymer, incorporating resilient mounts for the shaft.

FAN MOTORS

Electronically commutated permanent magnet motor, incorporating sealed ball bearings. The rotor is external to the stator and is injection moulded from glass reinforced fire resistant polymers. For safety, the motor is fitted with auto re-set overload protection.

WEATHERSEAL

The weatherseal consists of a polypropylene blade, hinged and counterbalanced, to open automatically when the fan is activated, and to close when the fan is switched off. Latching is by the weatherseal counter balance arm engaging a spring clip mounted to the fan housing.

ELECTRICAL CONTROL

The electrical control box is pre-wired within the cooler and incorporates an isolating switch.

A 13 foot long power supply cord is supplied as standard on all models. Provision is included for plug-in connection of drain valve and solenoid kits. A 15 amp circuit breaker is fitted to the enclosure.

THERMOSTAT CONTROL

All EXH model coolers feature the Breezair thermostat, for fully automatic control. Connection of the thermostat to the control box is via the 65 foot low voltage cable supplied.

WATER CONNECTION

Water supply connection is via a flexible connector which is terminated with a 1/2" BSP compression nipple. An isolating valve must be fitted adjacent to the cooler for service. A drain-down facility is required in areas subject to freezing. The pump is a centrifugal type with encapsulated windings. Patented water distribution trays are moulded from polypropylene.

COOLING PADS

Cooling filter pads are Chillcel® fabricated, honeycomb, high efficiency type.

COLOUR

Icon EXH series coolers are available in one (1) colour, "Beige".

AIR FLOW PERFORMANCE SUMMARY

Model	Airflow cfm @ 0.3 IWG	Motor W	Air Flow - cubic feet per minute (cfm) versus inch water gauge (IWG)										
			0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
EXH170	4430	750	5000	4810	4640	4430	4200	3960	3750	3500	3220	2860	2350
EXH210	5420	1500	5720	5620	5530	5420	5250	5060	4870	4660	4430	4200	3940

It is a policy of Seeley International to introduce continual product improvement. Accordingly specifications are subject to change without notice.



TECHNICAL SPECIFICATIONS - EXH170, EXH210

Specification		EXH170	EXH210
Airflow @ 0.3 IWG	(cfm)	4,430	5,400
Cooling Capacity*	(BTU/hr)	37,580	46,070
Power Consumption (total)	Power Max (W)	1,220	1,870
	Power Min (W) (vent only)	70	70
	Current - Rated (A)	6.0	10.0
	Energy Efficiency Ratio (EER)	9.52	7.77
Power Supply	Voltage / Phases / Hz	220-240/1/60	220-240/1/60
Controller	Type	Digital	Digital
Fan	Type	Centrifugal	Centrifugal
	Diameter - External (inches)	18 1/8	18 1/8
	Width (inches)	15	15
Motor	Type	Direct Drive	Direct Drive
	Speed Max (rpm)	510 VAR	680 VAR
	Output Max (W)	750 @ 200-264V	1,500 @ 200-264V
	Overload	Auto Reset	Auto Reset
	Enclosure Rating	IP2X	IP2X
Pump	Type	Centrifugal	Centrifugal
	Motor	Synchronous	Synchronous
	Power - rated (W)	40	40
	Flow Rate (gal/min)	4.4	4.4
	Voltage / Phases / Hz	230/1/60	230/1/60
	Overload	Auto Reset	Auto Reset
Cooling Pad Chillcel	Enclosure Rating	IPX4	IPX4
	Size (inches)	31 1/2 x 25H x 3 1/2 (4 pads)	31 1/2 x 25H x 3 1/2 (2 pads) 31 1/2 x 25H x 4 (2 pads)
	Pad Area (feet ²)	22	22
Water	Tank Capacity (gal)	2.9	2.9
	Inlet (inches)	1/2" male BSP	1/2" male BSP
	Drain (inches)	1 1/2" male BSP	1 1/2" male BSP
	Configurable to local requirements		
Shipping	Dimensions (inches) including pallet	45 2/3 x 45 2/3 x 37 1/2H	45 2/3 x 45 2/3 x 37 1/2H
	Volume (feet ³)	45.6	45.6
	Mass - Shipping (lb)	183	185
	Operating (lb)	199	201
Connecting Duct	Length & Width (inches)	21 5/8 x 21 5/8 OR 19 X 19	21 5/8 x 21 5/8 OR 19 X 19

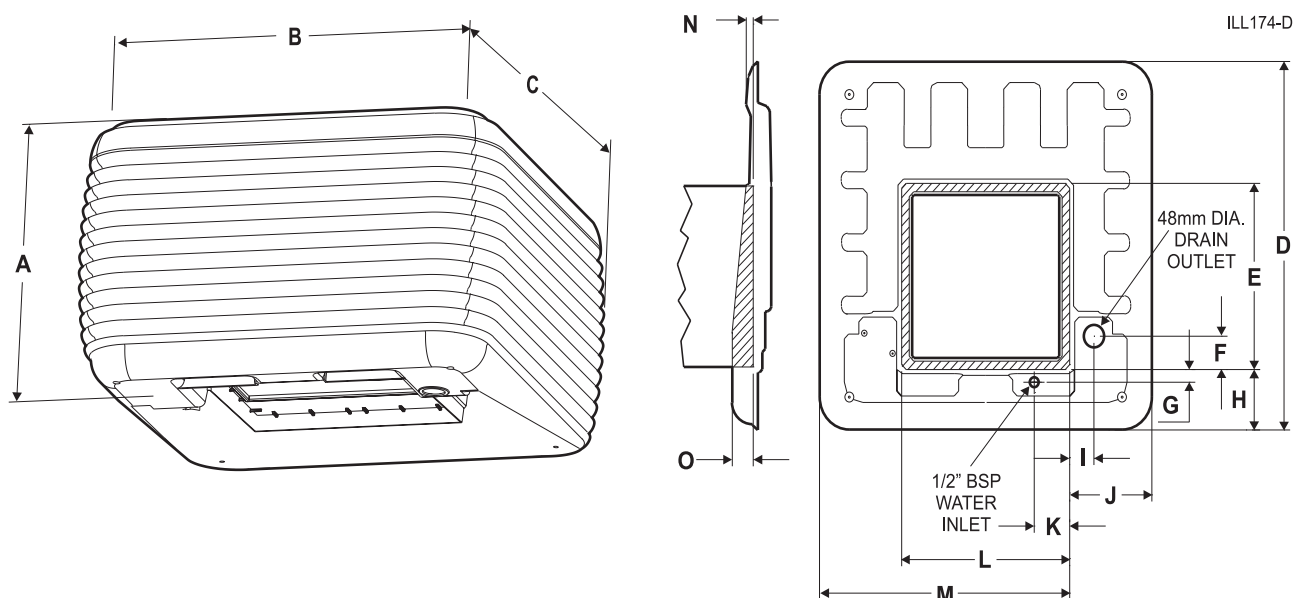
* Cooling capacity measured to Australian Standard AS2913-2000, ambient of 100.4°F dry bulb & 69.8°F wet bulb, with room exit temperature of 81.3°F.



Air flow performance has been measured in accordance with Australian Standard AS2913:2000 "Evaporative Air Conditioning Equipment" by Meridian Laboratories Pty Ltd

*Meridian Laboratories is registered by the National Association of Testing Authorities, Australia. The tests reported herein have been performed in accordance with its terms of registration, Registration No.: 3697

TECHNICAL SPECIFICATIONS - EXH170, EXH210



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
EXH170	33.9	45.7	45.7	43.6	21.9	4.3	1.5	7.2	3.2	10.8	4.6	21.9	32.8	1.5	3.3
EXH210	33.9	45.7	45.7	43.6	21.9	4.3	1.5	7.2	3.2	10.8	4.6	21.9	32.8	1.5	3.3

Dimensions are in inches.

