

Breezeir By SEELEY INTERNATIONAL

TECHNICAL SPECIFICATIONS - EXS220

Supercool

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 MOTOR

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.

MAIN CONNECTION DUCT

The main connection duct must incorporate a raw edge or safe edge to avoid fouling of the weatherseal.

AIR FLOW PERFORMANCE SUMMARY

ELECTRICAL CONTROL

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

A 4 metre 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

EXS model coolers feature the MaglQtouch[®] Controller, for full automatic control. Connection of the controller to the control box is via the 20 metre 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 black Mini-Cell[^] Chillcel[®] fabricated, honeycomb, high efficiency type.

COLOURS

EXS Coolers are available in "Slate Grey" colour.

Model	Airflow	Motor W	Air Flow - L/s (m³/h) versus Static Pressure (Pa)										
	L/s (m³/h) @ 80Pa		0	40	80	120	160	200	240	280			
EXS220	2540 (9140)	1500	2720 (9790)	2640 (9500)	2540 (9140)	2410 (8680)	2260 (8140)	2100 (7560)	1920 (6910)	1710 (6160)			

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





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Specification		EXS220			
Airflow	Actual @ 80Pa (L/s)	2540 9140			
Airflow	Actual @ 80Pa (m ³ h)				
Cooling Capacity*	kW	15.1			
Evaporative Efficiency	Percentage (%)	90.8			
	Power Max (W)	1860			
Power	Power Min (W) (vent only)	70			
Consumption (total)	Current - Rated (A)	9.0			
•	Energy Efficiency Ratio (EER)	8.12			
Power Supply	Voltage / Phases / Hz	220-240 / 1 / 50			
Controller	Туре	Digital			
	Туре				
Fan	Diameter - External (mm)	460			
	Width (mm)	380			
	Туре	Direct Drive			
	Speed Max (rpm)	680 VAR			
	Output Max (W)	1500 @ 200-264V			
Motor	Current Rated (A)	2540 9140 15.1 90.8 1860 70 9.0 8.12 220-240 / 1 / 50 Digital Centrifugal 460 380 Direct Drive 680 VAR 1500 @ 200-264V 9.2 Auto Reset IP2X Centrifugal Synchronous 0.25 21 230 / 1 / 50			
	Overload				
	Enclosure Rating	IP2X			
	Туре	Centrifugal			
	Motor	Synchronous			
	Power - Rated (A)	0.25			
Pump	Flow Rate (L/min)	2540 9140 15.1 90.8 1860 70 9.0 8.12 220-240 / 1 / 50 Digital Centrifugal 460 380 Direct Drive 680 VAR 1500 @ 200-264V 9.2 Auto Reset 1500 @ 200-264V 9.2 Auto Reset 1P2X Centrifugal Synchronous 0.25 21 230 / 1 / 50 Thermal One Shot Fuse IPX4 800 x 635H x 120 (4 pads) 2.03 11 12.7mm / 1/2" male BSP 40mm / 1½" male BSP 1160 x 1160 x 955H 1.29 87			
rump	Voltage / Phases / Hz				
	Overload				
	Enclosure Rating	IPX4			
Cooling Pad	Size (mm)	800 x 635H x 120			
Chillcel					
onnicer	Pad Area (m ²)				
	Tank Capacity (L)				
Water	Inlet (mm/inches)	2540 9140 15.1 90.8 1860 70 9.0 8.12 220-240 / 1 / 50 Digital Centrifugal 460 380 Direct Drive 680 VAR 1500 @ 200-264V 9.2 Auto Reset 1500 @ 200-264V 9.2 Auto Reset 1P2X Centrifugal Synchronous 0.25 21 230 / 1 / 50 Thermal One Shot Fuse IPX4 800 x 635H x 120 (4 pads) 2.03 11 12.7mm / 1/2" male BSP 40mm / 1½" male BSP 1160 x 1160 x 955H 1.29			
	Drain (mm/inches)				
	Configurable to local requirements	1½" male BSP			
	Dimensions (mm) including pallet	1160 x 1160 x 955H			
	morading parter				
Shinning	Volume (m ³)	1.29			
Shipping	Volume (m ³)				
Shipping					

* Cooling capacity measured to Australian Standard AS2913-2000, ambient of 38°C dry bulb & 21°C wet bulb, with room exit temperature of 27.4°C.

Model	Speed	Radiate	Total Sound Power						
		125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz	(dBA re 1pW)
EXS220	10	61	63	67	70	67	61	53	74



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





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Model	Α	В	C	D	E	F	G	Н	Ι	J	K	L	М	N	0
EX\$220	860	1160	1160	1108	555	109	38	182	81	274	118	555	834	38	84

Dimensions are in mm



FAN CURVE (m³/hr)