

Breezeis

Supercool

TECHNICAL SPECIFICATIONS - EXS220

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				
A :	Actual @ 80Pa (L/s)	2540				
AIITIOW	Actual @ 80Pa (m ³ h)	9140				
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				
	Type	Centrifugal				
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)	9.2				
	Overload	Auto Reset				
	Enclosure Rating	IP2X				
	Туре	Centrifugal				
	Motor	Synchronous				
	Power - Rated (A)	0.25				
Dump	Flow Rate (L/min)	21				
rump	Voltage / Phases / Hz	230 / 1 / 50				
	Overload	Thermal One Shot Fuse				
	Enclosure Rating	IPX4				
Cooling Pad	Size (mm)	800 x 635H x 120				
Chilleal		(4 pads)				
Cimicei	Pad Area (m ²)	2.03				
	Tank Capacity (L)	11				
	Inlet (mm/inches)	12.7mm /				
Water		1/2" male BSP				
	Drain (mm/inches)	40mm /				
	Dimonsions (mm)	1 ¹ /2" male BSP				
	including pallet	1160 x 1160 x 955H				
Shinning	Volume (m ³)	1.29				
omphing	Mass - Shipping (kg)	87				
	Operating (kg)	94				
Connecting Duct	Length & Width (mm)	550 x 550				

* 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)