

## TECHNICAL SPECIFICATIONS - TBS580 WETBOX

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### 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 major components clip together without additional fasteners. The pump is secured with two stainless steel screws.

#### **AutoWinterseal™**

The AutoWinterseal™ consists of two semi-circular, polypropylene blades, hinged and counterbalanced, to open automatically when the fan is activated, and to close when the fan is switched off. Latching is by magnets to steel striker plates.

#### **MAIN CONNECTION DUCT**

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

#### **ELECTRICAL CONTROL**

The electrical control box is pre-wired within the cooler.

A 2 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 12 amp circuit breaker is fitted to the underside of the enclosure.

#### **THERMOSTAT CONTROL**

TBS model coolers feature the MagIQcool controller, for full automatic control. The MagIQtouch controller is available as an alternative option. Connection of either controller to the control box is via a 20 metre low voltage cable.

#### **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 patented water distribution system is an integral part of the lid, and can be readily viewed from the top by removing the pad frame assembly.

#### **COOLING PADS**

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

#### **SPECIAL FEATURES**

TBS series coolers are available in "Slate Grey".

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Specification		TBS580
Airflow @ 80Pa	(L/s)	2780
	(m <sup>3</sup> h)	10010
Cooling Capacity*	(kW)	16.8
Power Consumption (total)	Power Max (W)	1210
	Current - Rated (A)	6.0
	Energy Efficiency Ratio (EER)	13.88
Power Supply	Voltage / Phases / Hz	220-240/1/50
Controller	Type	Digital
Pump	Type	Centrifugal
	Motor	Synchronous
	Power - rated (W)	25
	Flow Rate (L/min)	21
	Voltage / Phases / Hz	230/1/50
	Overload	Auto Reset
	Enclosure Rating	IPX4
Cooling Pad Chillcel	Size (mm)	850x526Hx120 (4 pads)
	Pad Area (m <sup>2</sup> )	1.79
Water	Tank Capacity (L)	23
	Inlet (mm/inches)	12.7mm / 1/2" male BSP
	Drain (mm/inches) Configurable to local requirements	40mm / 1 1/2" male BSP
Shipping	Dimensions (mm) including pallet	1150x1150x902H
	Volume (m <sup>3</sup> )	1.20
	Mass - Shipping (kg)	68
	Operating (kg)	91
Connecting Duct (raw edged)	Length & Width (mm)	550x550

\* 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.

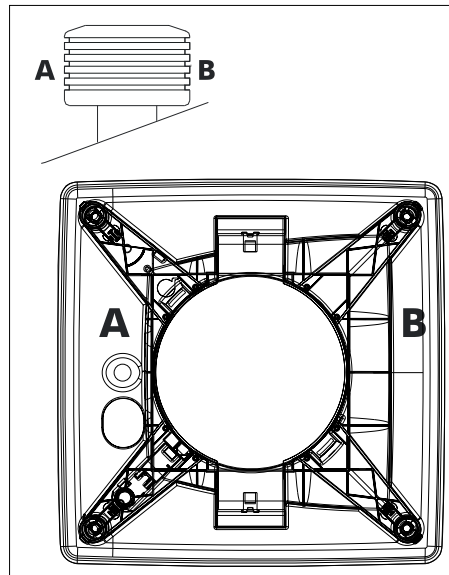
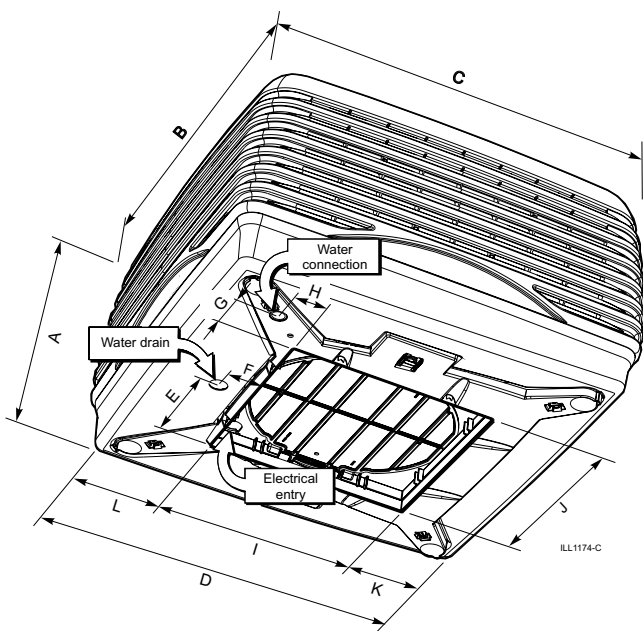


Air flow performance has been measured in accordance with Australian Standard AS2913:2000 "Evaporative Air Conditioning Equipment" by Meridian Laboratories Pty Ltd

\*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 - TBS580 WETBOX**



Model	A	B	C	D	E	F	G	H	I	J	K	L
<b>TBS580</b>	835 (32.9)	1150 (45.3)	1150 (45.3)	1080 (42.5)	275 (10.8)	95 (3.7)	82 (3.2)	82 (3.2)	555 (21.85)	555 (21.85)	249 (9.8)	279 (11.0)

Dimensions are in mm (inches in brackets).