SUBMITTAL DATA SHEET - TBQV550O, TBQV750O

Job Name: Location:

Contractor: Project Manager:

Superintendent: Subcontractor:

Purchaser: Order No:

Engineer: Project Manager:

Submitted To: For: Approval: Construction:

Submitted By: Submitted By:

Mechanical Schedule ID/Tag Number:

Cooling Performance

Outdoor Design Temp: °F DB °F WB

Elevation Above Sea Level: FT

Supply Air Ext. Static Pressure: IWG Total

Supply Air @ Full Speed: CFM

Supply Air Temperature: °F DB

Supply Air Added Humidity: °F WB

Water Specifications

Water Supply Line Pressure: 35 - 115 PSIG

Inlet Connection: ½" BSP to 3/8" or
½" BSP to ¼"

Drain Connection: 1 ½" BSP to ¾" OD Reducer

Water Tank Capacity: 6 gal @ normal max. op. level

Standard Features

- [x] Fresh, outside air for better indoor air quality (IAQ).
- [x] No chemical refrigerants or ozone depleting chemicals.
- [x] Low maintenance, simple winterization.
- [x] Water Management System controls mineral build up.
- [x] Quiet and vibration free operation.
- [x] Easy to connect power/control wiring.
- [x] Digital smart box control module for reliable and economical operation.
- [ ] Wall mounted MagIQtouch® Controller with 65ft control cable.
- [x] Superstealth™ Fan with "Invertair" inverter variable speed motor.
- [x] Black Opal™ Mini-Cell^ Chillcel® Pad technology, 5 year delamination guarantee.
- [x] "Aquaflow" non-clogging water distribution system.
- [x] "Permatuf®" corrosion-proof cabinet and drain pan.
- [x] 25 year corrosion-free cabinet guarantee.
- [x] 10 year structural components guarantee.
- [x] Corrosion resistant Tornado™ pump for reliable and trouble-free operation.
- [x] Made in Australia from local and imported parts.
- [x] 3 year limited warranty.

^ patent pending

TECHNICAL SPECIFICATIONS - TBQV5500, TBQV7500

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.

FAN
The Superstealth fan is a multi blade assembly constructed of glass reinforced polypropylene. The blades are aerofoil shaped. The fan is mounted directly to the motor shaft by means of a set screw.

FAN MOTOR
The fan motor is a single phase inverter motor, with die-cast fully enclosed aluminium frame. The motor and fan assembly are supported on an injection moulded glass reinforced ABS venturi ring via a glass reinforced polypropylene motor mount. The fan motor is fitted with a polarised plug for quick removal and replacement.

ELECTRICAL CONTROL
The electrical control box is pre-wired within the cooler. A 6'7" 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 anti-surge fuse is fitted to the underside of the enclosure.

THERMOSTAT CONTROL
TBQV model coolers feature the MagIQtouch® Controller, for full automatic control. Connection of the Controller to the control box is via the 65' low voltage cable supplied. Hard wired and RF options available.

WATER CONNECTION
Water supply connection is via a flexible connector which is terminated with a ½" BSP to 3/8" or ½" BSP to ¼" compression adapter piece. 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.

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 Black Opal™ Mini-Cell^ Chillcel® fabricated, honeycomb, high efficiency type.

COLOUR
Supercool TBQV series coolers are available in "Slate Grey" and "Beige" only.

^patent pending

AIR FLOW PERFORMANCE SUMMARY

Model	Industry Standard CFM	Motor (HP)	Air Flow (CFM) versus Inch Water Gauge (IWG)						
			0	0.1	0.2	0.3	0.4	0.5	0.6
TBQV5500	5500	½	4340	3980	3600	3110	2220	1000	-
TBQV7500	7500	½	5230	4870	4490	4110	3710	3110	2060

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

TECHNICAL SPECIFICATIONS - TBQV5500, TBQV7500

Specification		TBQV5500	TBQV7500
Airflow	Industry Standard (CFM)	5500	7500
	Actual @ 0.3 IWG (CFM)	3110	4110
Cooling Capacity*	BTU/hr	25,930	34,460
Evaporative Efficiency	Percentage (%)	88.3	87.9
Power Consumption (total)	Power Max (W)	510	680
	Power Min (W) (vent only)	80	70
	Current - Rated (A)	5.5	7.0
	Energy Efficiency Ratio (EER)	14.9	14.8
Power Supply	Voltage / Phases / Hz	115/1/60	115/1/60
Controller	Type	Digital	Digital
Fan	Type	Axial	Axial
	Diameter - External (inch)	21.1	21.1
Motor	Type	Inverter	Inverter
	Speed Max (rpm)	1150 VAR	1300 VAR
	Output Max (HP)	½	½
	Output Max (W)	300	380
	Current Max (A)	4.0	5.0
	Overload	One Shot Fuse	One Shot Fuse
Pump	Type	Centrifugal	Centrifugal
	Motor	Synchronous	Synchronous
	Power - rated (A)	0.7	0.7
	Flow Rate (gal/min)	5.5	5.5
	Voltage / Phases / Hz	115/1/60	115/1/60
	Overload	Thermal One Shot Fuse	Thermal One Shot Fuse
	Enclosure Rating	IPX4	IPX4
Cooling Pad Chillcel	Size (inch)	33 ½ x 14 ¾ x 3 ½ (4 pads)	33 ½ x 20 ¾ x 3 ½ (4 pads)
	Pad Area (ft^2)	13.8	19.2
Water	Tank Capacity (gal)	6.1	6.1
	Inlet (inch)	½" male BSP	½" male BSP
	Drain (inch) Configurable to local requirements	1½" male BSP	1½" male BSP
Shipping	Dimensions (inch) including pallet	45 ¼ x 45 ¼ x 29 ½H	45 ¼ x 45 ¼ x 35 ½H
	Volume (ft^3)	35	42.4
	Mass - Shipping (lb)	148	155
	Operating (lb)	199	205
Connecting Duct	Length & Width (inch)	21 ⅝ x 21 ⅝ or 17 ¾ x 17 ¾ Adaptor	21 ⅝ x 21 ⅝ or 19 ¾ x 19 ¾ Adaptor

* 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.

Model	Speed	Radiated Sound Power Level (dB(A) re 1pw) Octave Band Centre Frequency							Total Sound Power dB(A) re 1pW
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	
TBQV5500	10	51	52	57	61	60	51	41	65
TBQV7500	10	56	50	59	63	63	54	44	67

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

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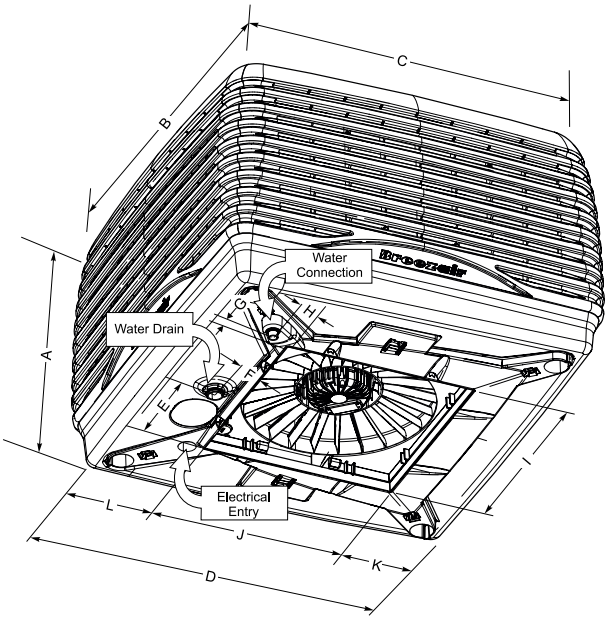
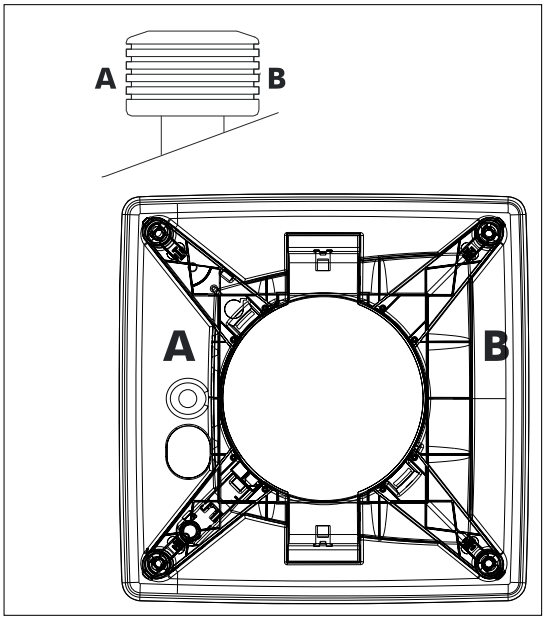
TECHNICAL SPECIFICATIONS - TBQV5500, TBQV7500





Model	A	B	C	D	E	F	G	H	I	J	K	L
TBQV5500	27	45 ¼	45 ¼	42 ½	10 ¾	3 ¾	3 ¼	3 ¼	21 ⅞	21 ⅞	9 ¾	11
TBQV7500	33	45 ¼	45 ¼	42 ½	10 ¾	3 ¾	3 ¼	3 ¼	21 ⅞	21 ⅞	9 ¾	11

Dimensions are in inches.