

TECHNICAL DATA - CPL450, CPL700, CPL850, CPL1100

CABINET

The cabinet components are injection moulded structural foam poly-propylene (Permatuff). The colours are UV stabilised and corrosion free.

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

FAN

The fan is a multi blade assembly constructed of glass reinforced poly-propylene. The blades are aerofoil shaped, and are factory set to the optimum blade pitch to match the motor output. The fan is mounted directly to the motor shaft by means of a 5/16" grub screw.

WATER RESERVOIR

The water reservoir is a one piece injection moulding of structural foam poly-propylene (Permatuff), providing a thick walled, corrosion free component with excellent sound deadening properties.

FAN MOTORS

Single phase, Permanent Split Capacitor (P.S.C.) Motors, with extruded aluminium frame. IP21 rating Enclosures to AS1359. The motor and fan assembly are supported on the injection moulded ABS venturi ring by four stainless steel mounting brackets. The fan motor is fitted with a polarised plug for quick removal and replacement. This reduces the weight of the assembly for installation.

WEATHER DAMPER

The weather damper consists of two semi-circular 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 stainless steel striker plates.

DROPPER DUCT

The dropper duct must incorporate a raw edge or safe edge to avoid fouling the weather damper.

ELECTRICAL CONTROL

The electrical control box incorporates an isolating switch and an integral circuit breaker. A three metre long lead and plug is supplied as standard on all models. Provision is included for plug-in connection of drain valve and solenoid kits. (optional parts)

THERMOSTAT CONTROL

All CPL model coolers are supplied with a custom thermostat, for fully automatic control. Connection of thermostat to control box is via the twenty (20) metre low voltage wiring loom supplied.

WATER CONNECTION

Water supply connection to a float valve fitting. A ball type isolating valve must be fitted adjacent to the cooler for service. The water distribution system is an integral part of the lid, and can be readily viewed from the top by removing the pad frame assembly.

FILTER PADS

Filter pads are Chillcel® fabricated, honeycomb, high efficiency type. Operating saturation efficiencies vary from 80% to 86%.

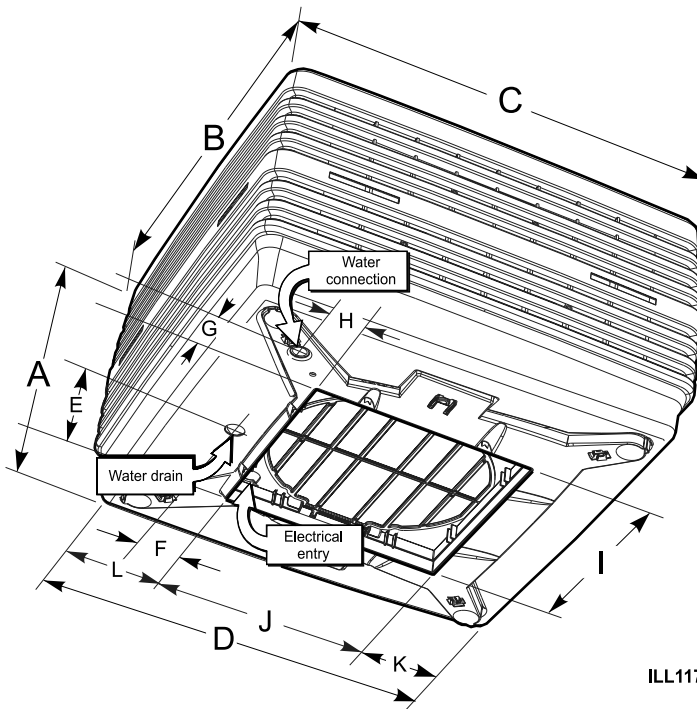
SPECIAL FEATURES

CPL Coolers are available in four (4) colours, "Slate Grey", "Terracotta", "Beige" and "Heritage Green".

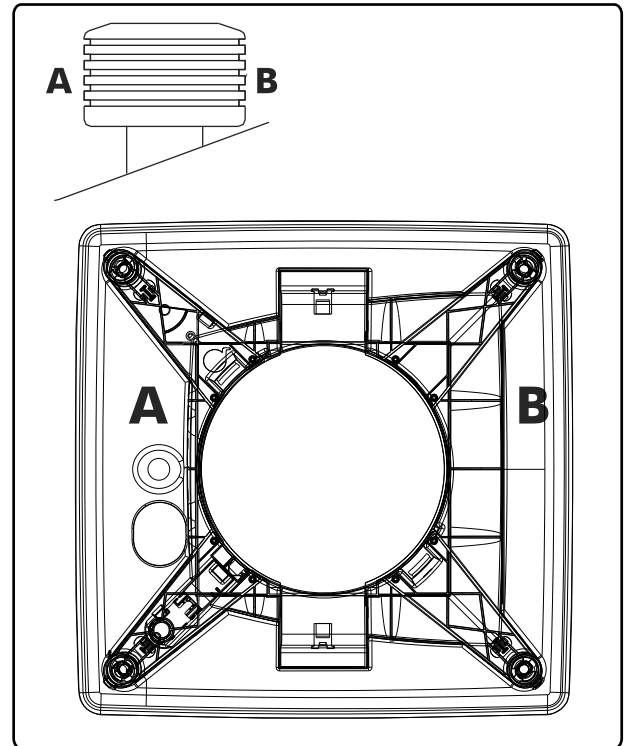
SPECIFICATIONS			CPL450	CPL700	CPL850	CPL1100
AIR FLOW	High speed at 80pa	L/sec	1676	1710	2467	2675
COOLING CAPACITY*		Kw	7.3	9.1	11.5	14.1
FAN	Diameter (External)	mm	541	541	541	541
	Bore	mm	12.7	12.7	12.7	12.7
MOTOR	Type		PSC	PSC	PSC	PSC
	Speed	rpm	1237/Var	1261/Var	1279/Var	1345/Var
	Rating	kW	0.335	0.425	0.600	0.750
	Current	amps	3.0	3.0	4.4	5.4
	Capacitor	uF	25	25	25	25
	Supply		240V /1/50Hz	240V /1/50Hz	240V /1/50Hz	240V /1/50Hz
	Overload		Auto Reset	Auto Reset	Auto Reset	Auto Reset
PUMP	Type		Centrifugal, Synchronous	Centrifugal, Synchronous	Centrifugal, Synchronous	Centrifugal, Synchronous
	Rating (Input)	watts	25	25	25	25
	Flow Rate	l/min	17	17	16	16
	Overload		Auto Reset	Auto Reset	Auto Reset	Auto Reset
FILTER PAD	Number of Pads		4	4	4	4
	Size	mm	75 x 850 x 375(H)	90 x 850 x 375(H)	75 x 850 x 525(H)	90 x 850x525(H)
	Pad Area	m ²	1.28	1.28	1.80	1.80
	Velocity	m/sec	1.3	1.3	1.4	1.5
	Material		Chillcel	Chillcel	Chilcell	Chilcell
WATER	Tank Capacity	litres	23	23	23	23
	Inlet	inches	1/2" male BSP	1/2" male BSP	1/2" male BSP	1/2" male BSP
	Drain	mm	40 male BSP <small>Configurable to Local regulations</small>	40 male BSP <small>Configurable to Local regulations</small>	40 male BSP <small>Configurable to Local regulations</small>	40 male BSP <small>Configurable to Local regulations</small>
SHIPPING	Height	mm	752	752	902	902
	Length	mm	1150	1150	1150	1150
	Width	mm	1150	1150	1150	1150
	Volume	m ³	0.99	0.99	1.20	1.20
	Mass - Shipping	kg	54	55	62	63
	Mass - Operating	kg	76	77	84	85
DROPPER SIZE	Length x Width	mm	550x550	550x550	550x550	550x550
(Raw Edged)						

*Cooling capacity calculated to Australian standard AS 2913 - 2000, ambient of 38deg C dry bulb & 21 deg C wet bulb, with room exit temperature of 27.4 deg C.

TECHNICAL DATA - CPL450, CPL700, CPL850, CPL1100



ILL1173-B



Model	A	B	C	D	E	F	G	H	I	J	K	L
CPL450, CPL700	685	1150	1150	1080	275	95	82	82	552	552	249	279
CPL850, CPL1100	835	1150	1150	1080	275	95	82	82	552	552	249	279

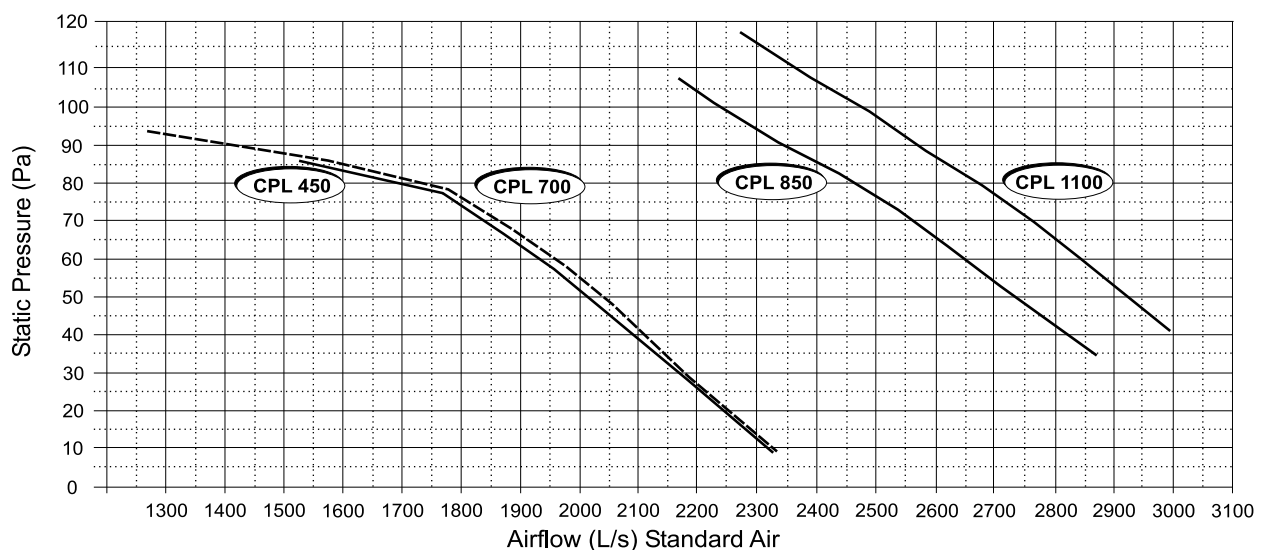
Dimensions are in mm.

Airflow performance has been measured in accordance with Australian Standard AS 2913 - 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 Number: 3697



CPL450 Airflow Test No. A03-067N, CPL700 Airflow Test No. A03-066N, CPL850 Airflow Test No. A03-059N, CPL1100 Airflow Test No. A03-061N.

ILL627-C