



TECHNICAL SPECIFICATIONS - CPQ700, CPQ1100 & CPQ1100X

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 fan is a multi blade assembly constructed of glass reinforced polypropylene. The blades are aerofoil shaped. The fan is mounted to the motor shaft by means of a screw-on collet.

FAN MOTORS

Single phase, permanent split capacitor (P.S.C.) motors, with die-cast fully enclosed aluminium frame. IP54 (CPQ700, CPQ1100) and IP24 (CPQ1100X) rated enclosures, designed to IEC60034. The motor and fan assembly are supported on an injection moulded glass reinforced polypropylene venturi ring by the stator blades. The fan motor is fitted with a polarised plug for quick removal and replacement.

WEATHERSEAL

The weatherseal 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 weatherseal.

ELECTRICAL CONTROL

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

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

All CPQ model coolers are supplied with a MaglQcool[®] controller, for full automatic control. Connection of the controller to 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 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 Mini-Cell[^] Chillcel[®] fabricated, honeycomb, high efficiency type.

SPECIAL FEATURES

CPQ Coolers are available in "Slate Grey" colour.

AIR FLOW PERFORMANCE SUMMARY

Model	Airflow	Motor	Air Flow - L/s (m ³ /h) versus Static Pressure (Pa)							
	L/s (m³/h) @ 80Pa	(W)	0	40	80	120	160			
CPQ700	2000 (7200)	430	2560 (9220)	2300 (8280)	2000 (7200)					
CPQ1100	2710 (9760)	750	3100 (11160)	2930 (10550)	2710 (9760)	2410 (8680)	2060 (7420)			
CPQ1100X	2810 (10120)	950	3200 (11520)	3010 (10840)	2810 (10120)	2520 (9070)	2200 (7920)			

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





TECHNICAL SPECIFICATIONS - CPQ700, CPQ1100 & CPQ1100X

Specification		CPQ700	CPQ1100	CPQ1100X		
Ainflow	Actual @ 80Pa (L/s)	2000	2710	2810		
AITTIOW	Actual @ 80Pa (m ³ h)	7200	9760	10120		
Cooling Capacity*	kW	9.5	13.3	14.1		
Evaporative Efficiency	Percentage (%)	85.1	85.8	86.3		
	Power Max (W)	870	1260	1220		
Power	Current - Rated (A)	4.0	5.7	6.0		
Consumption (total)	Energy Efficiency	10.0	10.5	11.6		
•	Ratio (EER)	10.9	10.5	11.6		
Power Supply	Voltage / Phases / Hz	220-240/1/50	220-240/1/50	220-240/1/50		
Controller	Туре	Digital	Digital	Digital		
	Туре	Axial	Axial	Axial		
Fan	Diameter - External (mm)	541	541	541		
	Capacity	High	High	High		
	Туре	PSC	PSC	PSC		
Fan Motor	Speed Max (rpm)	1260 VAR	1350 VAR	1350 VAR		
	Output Max (W)	430	750	950		
	Current Rated (A)	3.9	4.9	5.5		
	Capacitor (uF/V)	25/440	25/440	30/440		
	Overland	Auto Reset &	Auto Reset &	Auto Reset &		
		One Shot Fuse	One Shot Fuse	One Shot Fuse		
	Enclosure Rating	IP54	IP54	IP24		
	Туре	Centrifugal	Centrifugal	Centrifugal		
	Motor	Synchronous	Synchronous	Synchronous		
	Power - Rated (A)	2000 2710 2810 7200 9760 10120 9.5 13.3 14.1 85.1 85.8 86.3 870 1260 1220 4.0 5.7 6.0 10.9 10.5 11.6 220-240/1/50 220-240/1/50 220-240/1/50 Digital Digital Digital Axial Axial Axial Axial Axial Axial Axial Axial 541 High High High PSC PSC PSC 1260 VAR 1350 VAR 1350 VAR 3.9 4.9 5.5 25/440 25/440 30/440 Auto Reset & Auto Reset & Auto Reset & One Shot Fuse One Shot Fuse One Shot Fuse IP54 IP54 IP24 Centrifugal Centrifugal Centrifugal Synchronous Synchronous Synchronous 0.25				
Pump	Flow Rate (L/min)	21	21	2810 10120 14.1 86.3 1220 6.0 11.6 220-240/1/50 Digital Axial 541 High PSC 1350 VAR 950 5.5 30/440 Auto Reset & One Shot Fuse IP24 Centrifugal Synchronous 0.25 21 230 / 1 / 50 Thermal One Shot Fuse IPX4 850 x 526H x 90 (4 pads) 1.79 23 12.7mm / 1/2" male BSP 40mm / 1½" male BSP 1150 x 1150 x 902H 1.20 68 91 550 x 550		
	Voltage / Phases / Hz	30Pa (L/s) 2000 2710 2810 30Pa (n*h) 7200 9760 10120 9.5 13.3 14.1 9 (%) 85.1 85.8 86.3 c (W) 870 1260 1220 Rated (A) 4.0 5.7 6.0 iciency 10.9 10.5 11.6 hases / Hz 220-240/1/50 220-240/1/50 220-240/1/50 iciency 0.9 10.5 11.6 hases / Hz 220-240/1/50 220-240/1/50 220-240/1/50 iciency Digital Digital Digital Migh iciency PSC PSC PSC Stata iciency PSC PSC PSC Stata icit (A) 3.9 4.9 5.5 (uF/V) 25/440 25/440 30/440 icit (A) 3.9 4.9 5.5 (uF/V) 25/440 25/440 30/440 icit (A) 0.25 0.25 0.25				
Pump	Overload	Thermal One Shot Fuse	Thermal One Shot Fuse	Thermal One Shot Fuse		
	Enclosure Rating	IPX4	IPX4	IPX4		
Cooling Pad	Size (mm)	850 x 376H x 75	850 x 526H x 90	850 x 526H x 90		
Chillcel	0.20 ()	(4 pads)	(4 pads)	(4 pads)		
	Pad Area (m ²)	1.28	1.79	1.79		
	Tank Capacity (L)	23	23	23		
Wotor Capacitor (uF/V) 25/440 25/440 Overload Auto Reset & One Shot Fuse Auto Reset & One Shot Fuse Auto Reset & One Shot Fuse Pump Type Centrifugal Centrifugal Power - Rated (A) 0.25 0.25 Power - Rated (A) 0.25 0.25 Power - Rated (A) 0.25 0.25 Power - Rated (A) 0.25 0.20/1 / 50 Voltage / Phases / Hz 230 / 1 / 50 230 / 1 / 50 Overload Thermal One Shot Fuse Thermal One Shot Fuse Enclosure Rating IPX4 IPX4 Voltage / Phases / Hz 230 / 1 / 50 230 / 1 / 50 Overload Thermal One Shot Fuse Thermal One Shot Fuse Enclosure Rating IPX4 IPX4 Cooling Pad Chillcel Size (mm) (4 pads) (4 pads) Pad Area (m²) 1.28 1.79 Tank Capacity (L) 23 23 Inlet (mm/inches) 1/2" male BSP 1/2" male BSP Drain (mm/inches) 40mm / 40mm / Configurable to local requirements 1½" male BSP 1½" male BSP </td <td>12./mm/</td> <td>12./mm/</td>	12./mm/	12./mm/				
water		1/2" male BSP	1/2" male BSP	1/2" male BSP		
	Drain (mm/inches)	40mm /	Artic Artic Artic 000 2710 2810 200 9760 10120 20.5 13.3 14.1 5.1 85.8 86.3 370 1260 1220 4.0 5.7 6.0 0.9 10.5 11.6 40/1/50 220-240/1/50 220-240/1/50 gital Digital Digital xial Axial Axial Xial Axial Axial SC PSC PSC OVAR 1350 VAR 1350 VAR 130 750 950 3.9 4.9 5.5 /440 25/440 30/440 Reset & Auto Rese			
	Dimensions (mm)					
	including pallet	1150 x 1150 x 752H	1150 x 1150 x 902H	1150 x 1150 x 902H		
Shipping	Volume (m ³)	0.99	1.20	1.20		
	Mass - Shipping (kg)	56	66	68		
	Operating (kg)	79	89	91		
Connecting Duct (raw edged)	Length & Width (mm)	550 x 550	550 x 550	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.



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





Model	A	В	C	D	E	F	G	Н	I	J	K	L		
CPQ700	685	1150	1150	1080	275	95	82	82	555	555	249	279		
CPQ1100 CPQ1100X	835	1150	1150	1080	275	95	82	82	555	555	249	279		

D													
	Model	A	В	C	D	E	F	G	H	I	J	K	
	CPQ700	685	1150	1150	1080	275	95	82	82	555	555	249	Γ

Water draii

С



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By SEELEY INTERNATIONAL

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В

Dimensions are in mm