

Optimum Performance	Airflow	Supply Air	1300 L/s @ 150 Pa 4680 m3/h @ 150 Pa	
		Exhaust Air	600 L/s 2160 m3/h	
	Temperature*	Supply Air	19.3 oC	
		Cooling Capacity*	Stand Alone	13KW
		Pre Cooling	29KW	
	COP*	Stand Alone	7.5	
		Pre Cooling	17	
Environment	Maximum Inlet Air Temperature		50oC	
Services	Electrical	Voltage	220-240 V / 1~	
		Current	7 A	
		Input Power	1.75 kW	
	Water	Supply	10 L/min Minimum 20 L/min Recommended @ 100 kPa - 800 kPa	
		Max Temperature	40 oC	
		Inlet	1/2" Male BSP	
		Consumption	60 L/hr	
		Drain	40mm Male BSP	
		Drain Flow Rate	15 L/m	
	Duct Connections	Supply Air	Bottom Discharge 530 x 530 mm	

		Exhaust Air	Top Discharge
Air Systems	Supply Air Fan/Motor	Fan	1x 400mm Axial Forward Curve
		Motor	750W
		Control	Variable Speed, ECM, PWM Control
		Max Speed	2400 rpm
	Exhaust Air Fan/Motor	Fan	1x 380mm Centrifugal Backward Curve
		Motor	950W
		Control	Variable Speed, ECM, PWM Control
		Max Speed	1100 rpm
	Air Filter	Inlet	8x G4 Pleated Washable 356 x 635 x 25mm
	Indirect Evaporative	Inlet	8x Micro-Core™
	Direct Evaporative		8x Chillcel Pads
Water Systems	Tank (Reservoir) Capacity		30L
	Inlet Valve		12 VDC Solenoid Valve
	Pumps Indirect Heat Exchangers		1 Pump 13 LPM @ 1.5m Head 230V 50Hz 30W
	Pump Direct Heat Exchangers		1 Pump 13 LPM @ 1.5m Head 230V 50Hz 30W
	Salinity Management		Conductivity Probe
	Chlorinator		12 VDC

	Drain Valve		12 VDC Vertical
Dimensions	Shipping		1175mm Long 1175mm Wide 1045mm High
	Operating inc. Accessories		1160mm Long 1160mm Wide 1020mm High
Weight	Shipping		175KG
	Operating inc. Water Accessories		210KG
Standards Compliance			Electrical Safety IEC 60335.1:2011 +A1 +A2 IEC 60335.2.98:2002 +A1 +A2 Ingress Protection : IEC 60529:2011 EMC : CISPR14.1: 2013 EMF : EN 62233:2008
* Supply Air Temperatures, Cooling Capacities, COP and Water Consumption tested to Australian Standard AS 2913-2000 and ASHRAE 143 with design condition of: 38 C dry-bulb, 21 C wet-bulb and 27.4 C room exit temperature.			

Frequency (Hz)	Radiated Sound Power level (db re 1 pW) Octave Band Centre Frequency							Total Sound Power (db re 1pW)
	125	250	500	1k	2k	4k	8k	
CW3	62	69	77	76	71	64	54	81

Technical Specifications

Performance Summary*						
Static Pressure (Pa)	0	50	100	150	200	250

Airflow (L/s)	1585	1490	1405	1300	1210	1065
Airflow (m3 /h)	5710	5360	5060	4680	4360	3830
Temperature (o C)	20.2	19.7	19.4	19.3	19.1	18.7
Standalone Cooling Capacity (kW)	14	14	14	13	12	11
Input Power (W)	1620	1660	1695	1725	1745	1750
Standalone COP	8.7	8.5	8.1	7.5	7.1	6.5
* Supply Air Temperatures, Cooling Capacities, COP and Water Consumption tested to Australian Standard AS 2913-2000 and ASHRAE 143 with design condition of: 380C dry-bulb 210C wet-bulb and 27.40C room exit temperature.						

Variations of above model are available. Details on request.

Call **John Lawton** on 086 1715280 or email us on info@coolingsolutions.ie