



World leading climate control solutions

Seeley International is Australia's largest air conditioning manufacturer and a global leader in developing ingenious, energy-efficient cooling and heating products.

Award Winning Company

Seeley International consistently wins awards each year for new product design, innovation and the environment.

Recent awards include:















About The Climate Wizard

The Climate Wizard's unique indirect evaporative heat exchange core provides hyper-efficient cooling of outside air.

Generate **100% fresh, cool, outside air,** at temperatures that rival refrigerated systems, with up to **80% lower energy costs***.

Reduce carbon emissions Low GWP



Reduced running costs by up to 80%*
Reduce the energy use and improve
the cooling performance of existing
refrigerated systems

No high electrical demand charges even in hot weather

Savings on the installation costs

Comfortable Indoor Air Quality



Temperatures are similar to those produced by refrigerated systems

Improved IAQ (Indoor Air Quality) with 100% fresh, cool outside air

No moisture added to the air**
Total cooling performance increases
when air temperature rises

Flexible applications



Flexible design and engineering configurations

Ideal for use as a DOAS (dedicated outdoor air system), data centres cooling or for comfort cooling applications

Covers an exceptionally large range of flexible configurations in a wide range of industries

Supported by a team of experienced design consultants and engineers

Supporting Sustainability



Wiser use of water (R-718)
Responsible use of renewable resources

No synthetic refrigerants or chemicals Features an Auto-Cleanse™ to minimise water consumption and to maintain quality

Hyper-efficient



Simple, reliable solution to improve COP / EER (coefficient of performance

/ energy efficiency ratio)

Tested in NATA
(National Association of Testing
Authorities) accredited laboratory#

Low maintenance with technical support



Australian designed, made and owned
Easy access to spare parts
International sales and
technical support

^{*}Compared to refrigerated systems performing the same duty.

^{**} The Climate Wizard Supercool (indirect/direct option) adds a small amount of moisture to the supply air.

[#]Testing of the CW-80 units in the NATA accredited Meridian Test Laboratory is not possible due to their large and unique size.

How it works

The Climate Wizard indirect evaporative air conditioners use a hyper-efficient counter-flow heat exchanger to produce 100% fresh, cool, outside air, with no added moisture.

The fresh cold air produced by The Climate Wizard can be similar to that produced by refrigerated systems, with temperatures that approach the ambient dew-point temperature.

1. Hot air enters the cooler

- Hot outside air enters the cooler via the inlet.
- A powerful, energy-efficient, electric fan moves the air towards the core.

2. Hot air passes through the core

- The core is an air-to-air heat exchanger consisting of alternating dry and wet channels.
- All of the air passes along the dry channels and gains no additional moisture.

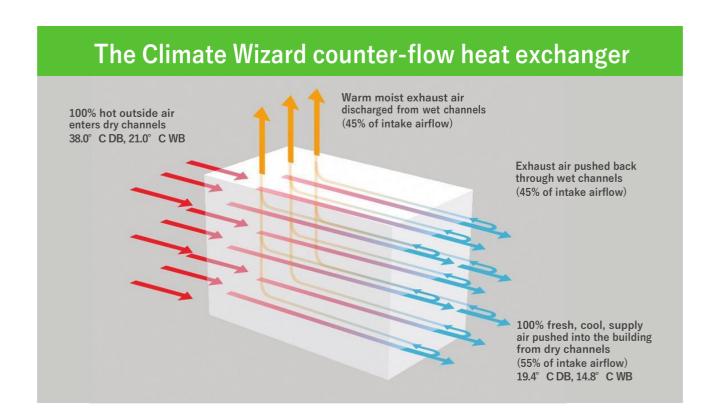
3. Warm and moist working air exhausted outside

- As the air exits the dry channels, a portion of the conditioned air is returned through the wet channels, where it is cooled by evaporative cooling process.
- No moisture is transferred across the membranes between the dry and wet channels; only heat is transferred.

- The heat passes out of the air in the dry channels through the membrane and into the air passing through the wet channels.
- In this way, the air in the dry channels becomes progressively colder but gains no moisture.
- The wet channels are continuously soaked with water to allow the evaporative cooling process along the entire length of the core. This moist, warm air is then exhausted outside.

4. Fresh, cool outside air passes into the building

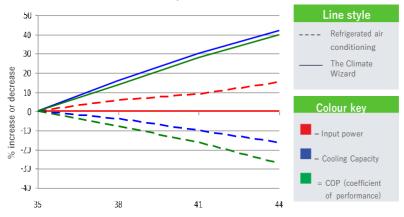
- The air passing along the dry channels in the core is cooled, with no moisture added.
- This fresh, cool air passes into the building.





Performance comparison

The Climate Wizard vs refrigerated cooling as temperature rises

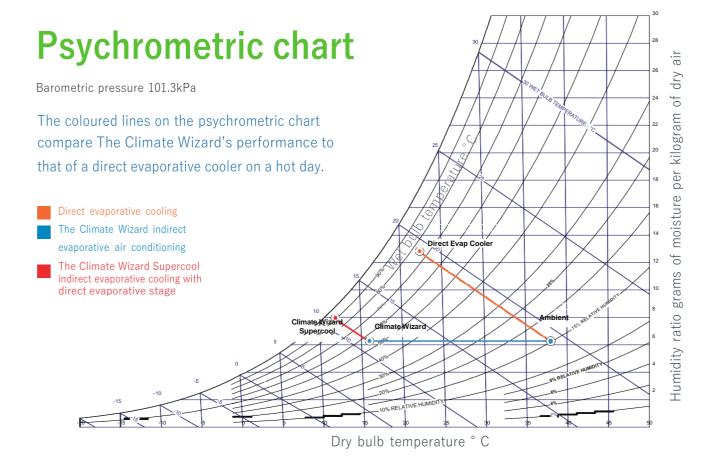


The Climate Wizard's cooling performance can rival that of refrigerated systems, using up to 80% less energy.

That's not only great for reducing power bills; it's also great for the environment. And, no matter how hot it gets outside, The Climate Wizard uses the same amount of power and still delivers 100% fresh, cool air inside.

This is in direct contrast to refrigerated systems, which require increasing amounts of power as outside temperatures rise. The Climate Wizard's cost-saving capabilities actually increase, when the heat is at its highest.

At the same time, The Climate Wizard's performance also increases as temperatures rise – again, in complete contrast to refrigerated systems.



Standard product range

The Climate Wizard

Indirect evaporative air conditioning

Dramatically reduces energy consumption and cooling costs compared to equivalent refrigerated systems



CW-H10



- COP 12
- Up to 800 L/s (2,880 m³/h) supply air @180 Pa
- Input Power 1.5 kW

Electrical supply **Dimensions**

Operating weight

3-phase, 380-415 V, 50 Hz

2,330mm (L) x 1,230mm (W) x 1,325mm (H)

255 kg



CW-H15



- COP 14
- Up to 1,100 L/s (3,960 m³/h) supply air @150 Pa
- Input Power 1.8 kW

3-phase, 380-415 V, 50 Hz

2,290mm (L) x 1,825mm (W) x 1,285mm (H)

330 kg



CW-80

- COP 13
- Up to $8.500 \text{ L/s} (30,600 \text{ m}^3/\text{h})$ supply air @270 Pa

The Climate Wizard Supercool

Dimensions

3,980mm (L) x 2,550mm (W) x 3,515mm (H)

2,700 kg Operating weight

• Input Power 12.5 kW 3-phase, 380-415 V, 50 Hz

CW-80 and CW-80S can work at external static pressure of up to 820 Pa!



Indirect evaporative cooling with direct evaporative stage

Designed to maintain precise temperature and humidity levels - at very low operating costs



CW-H15S Plus



- Up to 1,600 L/s $(5,760 \text{ m}^3/\text{h})$ supply air @80 Pa
- Input Power 2.1 kW

CW-H15S



- COP 16
- Up to $1{,}100 \text{ L/s} (3{,}960 \text{ m}^3\text{/h}) \text{ supply air}$ @120 Pa
- Input Power 1.8 kW

Dimensions

Operating weight

3-phase, 380-415 V, 50 Hz 2,290mm (L) x 1,825mm (W) x 1,285mm (H)

345 kg

3-phase, 380-415 V, 50 Hz

2,290mm (L) x 1,825mm (W) x 1,285mm (H)

345 kg



CW-3

- COP 17
- Up to 1,300 L/s (4,680 m³/h) supply air @150 Pa
- Input Power 1.75 kW



CW-80S



- COP 15
- Up to 8,200 L/s (29,500 m³/h) supply air @240 Pa
- Input Power 12.5 kW

Electrical supply

Dimensions

Operating weight

1-phase, 220-240 V, 50/60 Hz 1,160mm (L) x 1,160mm (W) x 1,020mm (H)

3-phase, 380-415 V, 50 Hz

3.980mm (L) x 2.550mm (W) x 3.515mm (H)

Note: Nominal cooling capacity is based on design conditions of 38.0 ° C db / 21.0 ° C wb. Stand alone cooling capacity may be different, depending on application.

Control options

Seeley International has designed the most advanced technology to give you full control of your coolers in the smartest way.

MagIQtouch® controller

24.0

SEELEY

Optional with CW-3

- Control all features on a user-friendly touch screen
- Easy operating process due to in-built Installation Wizard
- PIN access & Program mode available
- Operate up to 60 coolers from a single MaglQtouch controller

MagIQcool™ controller

Optional with CW-3

Operate The Clim a e Wizard cooler from an easy to use , wall mounted thermostat controller

External air sensor

Optional with all coolers

- Measures current outside temperature
- Intuitively optimises water and energy usage based on outside ambient conditions
- Extends the life of your air conditioner by automatically draining the water tank when temperature nears freezing

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For CW-H and CW-80

- Controls unit operation to minimise water consumption and maximise efficiency
- Can be configured to accept external BMS system inputs to control system operation (while retaining control of water management and system efficiency) or Modbus Master commands through RS485.

Remote indoor temperature sensor

Optional with all coolers

- A remote temperature and humidity sensing module
- Enables the Controller to be mounted in a convenient location (e.g. control room), while still sensing air from the conditioned space

Multi-Magic[™] duct sensor

For CW-80

This sensor measures the air temperature and relative humidity inside ducts.

BMS interface Standard on all models

Separate BMS module to be ordered only for CW-3, Embedded in all other models

All The Climate Wizard air conditioning models are supplied with an interface to enable the cooler to be controlled from an external location, using a Building Management System.



Control system

Seeley International has delivered, in collaboration with Schneider Electric, a new standard in climate control for its hyper-efficient commercial cooling range, The Climate Wizard.

Providing Smart connectivity, Multi-Magic® delivers state-of-the-art control for optimising performance, energy-efficiency and operational savings, as well as easy installation with an intuitive user interface.

Design and performance features CW-H Series

Indirect heat exchange core

- The Climate Wizard patented counterflow heat exchanger
- Uses indirect evaporative cooling to keep added moisture separate from the supply air stream
- Designed for long service life and consistent performance

Supply air pressure damper

- Regulates air pressure in the discharge plenum
- · Used to control exhaust flow

Water reservoir

- One piece moulded polymer construction
- Durable and corrosion free
- Provides excellent sound deadening properties
- Sloped to prevent standing water when drained

Water management system

- Custom designed water management system minimises water consumption and maximises cleanliness
- Continuously monitors and controls the water salinity level in the reservoir
- Controls water cleanliness using a factory installed electro-chlorinator
- Automatic drain valve





Water distributor

- The water distributor delivers a calibrated volume of water to efficiently cool the unit's leaving air
- A dedicated pump and water distributor are used to independently water the direct evaporative media to maximise versatility*
- Minimum water consumption and maximum cooling efficiency

Supply air fan and electric motor

- Backward curved, direct drive, plug fan
- Variable speed electronically commutated motor



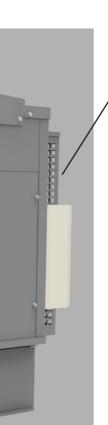
Tornado® circulation water pump

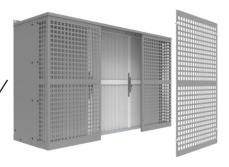
- Exceptional reliability under all conditions
- Includes 'clever impact start' feature that will overcome any tendency for the pump to become locked up with residue during prolonged off periods











Filtering section

- The filter cowling has been designed to ensure rigidity and strength while also allowing for quick and simple servicing
- Weather proof and corrosion resistant
- The filter cowling comes factory assembled to reduce installation requirements on site.

Cabinetry

- Powder coated, marine grade aluminium
- Weather proof and corrosion resistant

Supercool Models

Adding a Direct Evaporative Cooling pad after the hyper-efficient indirect stage, we have the so-called Supercool Model.

The result of adding this new direct stage downstream to the heat-exchanger core is that we can reduce the DB (dry bulb) supply air temperature adding a very small quantity of moisture only, for ever lower temperatures and super-cool effect!

Seeley International designs Supercool models of all sizes, browse our catalogue to learn more!

All features marked with * are available only in the Supercool Models.

Chillcel® Pads

- Revolutionary cell structure for optimum cooling capacity
- Only the best quality paper is used, which gives the pads optimal saturation efficiencies to suit the harshest climates



The Climate Wizard CW-3

CW3 is the latest breakthrough in the Climate Wizard range: with its polymer case and compact footprint, CW3 is easy to install and much lighter, if compared with other models.

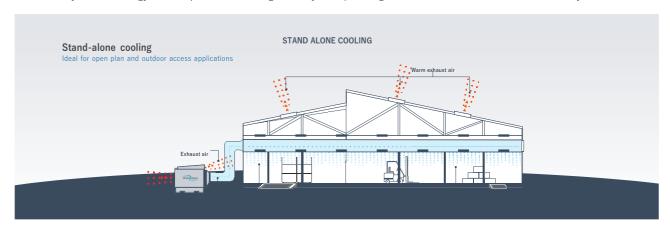


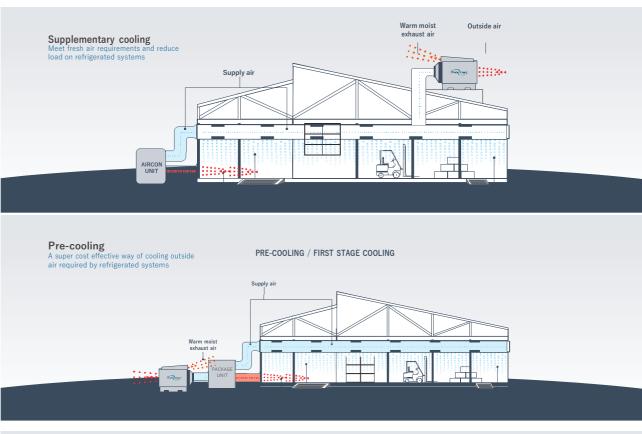
- Polymer structure for a lighter unit
- Supercool (Indirect + Direct stage)
- Can be installed directly on the duct
- Can be used in Free-cooling mode

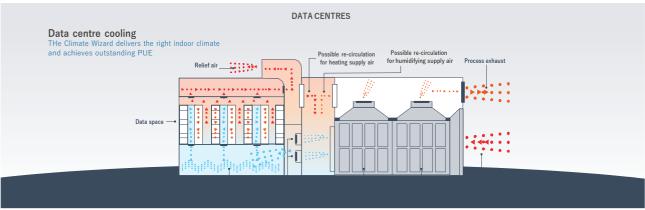


Diverse configurations and applications

Dramatically reduce energy consumption and cooling costs by incorporating The Climate Wizard with other HVAC systems.







TECHNICAL SPECIFICATIONS - CW3 (AUSTRALIA & EUROPE)

MODEL:			CW3
OPTIMUM	Airflow	Supply Air	1300 L/s @ 150 Pa 4680 m3/h @ 150 Pa
PERFOR-		Exhaust Air	600 L/s 2160 m3/h
AANCE	Temperature*	Supply Air	19.3 oC
			13 kW
	Capacity*		29 kW
	COP*		7.5
			17
NVIRONMENT	Maximum Inlet Air Temperatu		50 oC
	·		220-240 V / 1~
LICES	Licentear		7 A
			1.75 kW
	Water		10 L/min Minimum
	Water	Зирріу	20 L/min Recommended @ 100 kPa - 800 kPa
		Max Temperature	40 oC
		· ·	1/2" Male BSP
			60 L/hr
			40mm Male BSP
		Supply Air Standalone Pre-Cooling Standalone Pre-Cooling Temperature Voltage Current Input Power Supply Max Temperature Inlet Consumption* Drain Drain Flow Rate Supply Air Exhaust Air Fan Motor Control Max Speed Fan Motor Control Max Speed Inlet Enlet Inlet Enlet Inlet Enlet Enlet Enlet Enlet Exhaust Air Fan Motor Control Max Speed Fan Motor Control Max Speed Inlet Enlet En	15 L/m
	Airflow R- Temperature* Cooling Capacity* COP* NMENT Maximum Inlet Air Temperature EES Electrical Water Duct Connections Supply Air Fan/Motor Exhaust Air Fan/Motor Air Filters Indirect Evaporative Direct Evaporative Tank (Reservoir) Capacity Inlet Valve Pumps Indirect Heat Exchangers Pump Direct Heat Exchangers Salinity Management Chlorinator Drain Valve SIONS Shipping Operating inc. Accessories T Shipping Operating inc. Accessories ARDS ANCE		Bottom Discharge 530 x 530 mm
PTIMUM ERFOR- ANCE Temperature* Cooling Capacity* COP* IVIRONMENT Maximum Inlet A ERVICES Electrical Water Duct Connections Supply Air Fan/Motor Exhaust Air Fan/Motor Air Filters Indirect Evaporative ATER Joirect Evaporative ATER CHANGERS ATER Tank (Reservoir) Inlet Valve Pumps Indirect Heat Exches Salinity Managen Chlorinator Drain Valve IMENSIONS MENSIONS FIGHT Shipping Operating inc. Accessories FANDARDS			Top Discharge
ID			1x 400mm Axial Forward Curve
			750W
ISIEMS	l dily i locol		
		Supply Air Standalone Pre-Cooling Standalone Pre-Cooling mperature Voltage Current Input Power Supply Max Temperature Inlet Consumption* Drain Drain Flow Rate Supply Air Exhaust Air Fan Motor Control Max Speed Fan Motor Control Max Speed Inlet	Variable Speed, ECM, PWM Control
	Connections Supply Air Fan/Motor Exhaust Air Fan/Motor Air Filters Indirect Evaporative Direct Evaporative		2400 rpm
			1x 380mm Centrifugal Backward Curve
			950W
			Variable Speed, ECM, PWM Control
		Exhaust Air Supply Air Standalone Pre-Cooling Standalone Pre-Cooling Inlet Air Temperature Voltage Current Input Power Supply Max Temperature Inlet Consumption* Drain Drain Flow Rate Supply Air Exhaust Air Fan Motor Control Max Speed Inlet aporative Inlet aporative Previor) Capacity Exchangers Inlet Accessories Max Speed Inlet Inlet	1100 rpm
			8x G4 Pleated Washable 356 x 635 x 25mm
IEAT		Inlet	8x Micro-CoreTM
			8x Chillcel Pads
VATER			30 L
YSTEMS			12 VDC Solenoid Valve
			1 Pump
			13 LPM @ 1.5m Head 230V 50Hz 30W
			1 Pump
			13 LPM @ 1.5m Head 230V 50Hz 30W
			Conductivity Probe 12 VDC
	Temperature* Sup Cooling Capacity* Pre- COP* Star Pre- Maximum Inlet Air Temperature Electrical Water Water Duct Connections Sup Connections Supply Air Fan/Motor Mot Con Max Exhaust Air Fan/Motor Mot Con Max Exhaust Air Fan/Motor Mot Con Max Air Filters Inle Indirect Evaporative Tank (Reservoir) Capacity Inlet Valve Pumps Indirect Heat Exchangers Pump Direct Heat Exchangers Salinity Management Chlorinator Drain Valve Shipping Operating inc. Accessories Shipping Operating inc. Accessories Shipping Operating inc. Accessories Shipping Operating inc. Water/Accessories		
			12 VDC Vertical
IMENSIONS	11 3		1175mm Long 1175mm Wide 1045mm High
			1160mm Long 1160mm Wide 1020mm High
/EIGHT	Shipping		175 kg
			210 kg
TANDARDS			Electrical Safety
COMPLIANCE			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.

TECHNICAL SPECIFICATIONS - CW- H10, CW-H15, H15S, H15S PLUS

MODEL:			CW-H10	CW-H15	CW-H15S	CW-H15S Plus	
OPTIMUM		Supply Air	800 L/s @ 180 Pa	1100 L/s @ 150 Pa 3960 m ³ /h @ 150 Pa	1100 L/s @ 120 Pa	1600 L/s @ 80 Pa	
PERFORMANCE	Airflow	Exhaust Air	655 L/s	3960 m³/h @ 150 Pa 900 L/s	3960 m ³ /h @ 120 Pa 900 L/s	5760 m ³ /h @ 80 Pa 530 L/s	
			•	3240 m ³ /h	3240 m ³ /h	1910 m ³ /h	
		Supply Air	19.5 ℃	19.5 ℃	15.8 ℃	17.4 ℃	
	Temperature*						
	Caalina	Standalone		11 kW	16 kW 29 kW	20 kW 40 kW	
	Cooling Capacity*	Pre-Cooling	18 KVV	25 kW	29 KW	40 KW	
	Capacity						
	COP*	Standalone		6	8.5	9.5	
FNVIRONMENT		Pre-Cooling	12 55 ℃	14 55 ℃	16 55 °C	19 55 ℃	
IR YSTEMS F	Maximum Ir	nlet	33 C		33 0	33 0	
	Air Temperatu	re					
SERVICES		Voltage	380-415 V / 3N~ /	380-415 V / 3N~ /	380-415 V / 3N~ /	380-415 V / 3N~ /	
	Electrical	Current	50Hz 4.9 A	50Hz 4.9 A	50Hz 4.9 A	50Hz 4.9 A	
		Current Input	1.50 kW	1.80 kW	1.80 kW	2.10 kW	
		Power					
		Supply	20 L/min @	20 L/min @	20 L/min @	20 L/min @	
	Water	Max Temperature	100 kPa - 800 kPa 40 °C	100 kPa - 800 kPa 40 °C	100 kPa - 800 kPa 40 °C	100 kPa - 800 kPa 40 °C	
		ax remperature					
		Tole+	1/2" Mala BCD	1/2" Mala BCD	1/2" Mala BCD	1/2" Mala BCD	
		Inlet Consumption*	1/2" Male BSP 44 L/hr	1/2" Male BSP 56 L/hr	1/2" Male BSP 60 L/hr	1/2" Male BSP 72 L/hr	
		Consumption"	,	,	,	,	
		Drain	40mm Male BSP or	40mm Male BSP or	40mm Male BSP or	40mm Male BSP or	
		Drain Flow		40mm Flexible Coupling 35 L/m	40mm Flexible Coupling 35 L/m	35 L/m	
		Rate	13 1/111	33 L/III	33 L/III	33 L/III	
		Supply Air	Side Discharge	Side Discharge	Side Discharge	Side Discharge	
	Duct	Exhaust Air	500 x 500 mm Side Discharge	500 x 500 mm Side Discharge	500 x 500 mm Side Discharge	500 x 500 mm Side Discharge	
	Connections	EXHAUST AH	1230 x 260 mm	1825 x 220 mm	1825 x 220 mm	1825 x 220 mm	
AIR		Fan	1x 560mm Centrifugal Backward Curve	1x 560mm Centrifugal Backward Curve	1x 560mm Centrifugal Backward Curve	1x 560mm Centrifugal Backward Curve	
	Supply Air	Motor	3.5 kW	3.5 kW	3.5 kW	3.5 kW	
ŀ	Fan/Motor	Control	Variable Speed, ECM,	Variable Speed, ECM,	Variable Speed, ECM,	Variable Speed, ECM,	
		May Chood	PWM Control 1285 rpm	PWM Control 1390 rpm	PWM Control 1390 rpm	PWM Control 1450 rpm	
		Max Speed	1285 rpm	1390 rpm	1390 rpm	1450 rpm	
		Fan	NONE	NONE	NONE	NONE	
	Exhaust Air	Motor					
	Fan/Motor	Control					
		Max Speed					
		Inlot	CA Diseased Weeks below	C. CA Disated Marchaelia	C. CA Disabad Made de alcia	C. CADI. to AM. to be	
	Air Filters	Inlet	G4 Pleated Washable 305 x 610 x 50mm - 2	6x G4 Pleated Washable 457 x 508 x 50mm	6x G4 Pleated Washable 457 x 508 x 50mm	6x G4 Pleated Washabi 457 x 508 x 50mm	
	All Filters		610 x 610 x 50mm - 1	137 X 300 X 3011111	137 X 300 X 3011111	137 X 300 X 3011111	
HEAT		t Evaporative	2 Cores	3 Cores	3 Cores	3 Cores	
EXCHANGERS	Direct	Evaporative	NONE 45 L	NONE 65 L	3 Chillcel Pads 65 L	3 Chillcel Pads 65 L	
WATER SYSTEMS		Reservoir)	TO L	05 L	03 L	03 L	
J. J I L/NJ	Capac		12 VDC Solenoid Valve	12 VDC Solenoid Valve	12 VDC Solenoid Valve	12 VDC Solenoid Valve	
	Inlet Valve		12 ADC 201611010 AUING	12 APC 201611010 AUNG	12 APC 201611010 AUNG	12 VDC SUIEITOIU VAIVE	
	Pumps		2 Pumps	2 Pumps	2 Pumps	2 Pumps	
		ct Heat	13 LPM @ 1.5m Head 230V 50Hz	13 LPM @ 1.5m Head 230V 50Hz	13 LPM @ 1.5m Head 230V 50Hz	13 LPM @ 1.5m Head 230V 50Hz	
	Excha		Input Power 30W ea.	Input Power 30W ea.	Input Power 30W ea.	Input Power 30W ea.	
	Pump		NONE	NONE	1 Pump	1 Pumps	
	Direct	Heat Exchangers			13 LPM @ 1.5m Head 230V 50Hz	13 LPM @ 1.5m Head 230V 50Hz	
	6	Maner			Input Power 30W ea.	Input Power 30W ea.	
		y Management	Conductivity Probe 12 VDC	Conductivity Probe 12 VDC	Conductivity Probe 12 VDC	Conductivity Probe 12 VDC	
	Chlorinator					12 400	
	Drain Valve		12 VDC Vertical	12 VDC Vertical	12 VDC Vertical	12 VDC Vertical	
DIMENSIONS	Diam valve		2050 L * 1375 W *		2290 L * 1950 W *		
DIMEI (3101)	Shipping		1280mm High		1270mm High		
	Opera		2330 L * 1230 W *		2290 L * 1825 W *		
	inc. A	ccessories	1325mm High	240.1	1285mm High	- 1	
WEIGHT	Shipping		250 kg	340 kg	355	5 kg	
	Opera		255 kg	330 kg	345	5 kg	
	inc. W	ater/Accessories				•	
				1 4C 0042 0000 1 4CHB4E	143 with design condition of: 38		

TECHNICAL SPECIFICATIONS - CW-80 WITH MULTI-MAGIC CONTROLS

	MODEL		CW-80 IEC Standard Capacity Fans	CW-80 SUPERCOOL Standard Capacity Fans
		Voltage	380-415 V / 3~ / 50Hz	380-415 V / 3~ / 50Hz
	Electrical	Maximum Rated Current	26 A	27 A
		Voltage	12.5 kW	
		Supply	45 L/min @ 85 kPa - 800 kPa	Capacity Fans Standard Capacity Fans 7 50Hz 380-415 V / 3~ / 50Hz 27 A 27 A 2.5 kW 12.5 kW 42 - 800 kPa 45 L/min @ 85 kPa - 800 kPa 40 °C 3/4" Male BSP 50 upling 50mm Flexible Coupling 40 L/m 48 Top Discharge 1890 x 2310mm 1890 x 2310mm 4x Top Discharge Vents 50 °C 2x 560mm Centrifugal 1.5 kW 3.5 kW ECM, 0-10V Variable Speed, ECM, 0-10V 1750rpm 1750rpm ifugal 4x 355mm Centrifugal 7 kW 1.7 kW ECM, 0-10V Variable Speed, ECM, 0-10V 2600 rpm 16 Cores 2 Chillcel Pads 180 L Valve 24 VAC Solenoid Valve 1.7 m Head 1x 75 LPM @ 24.7m Head 50 Hz 380-415V / 3~ / 50 Hz 1nput Power 0.75 kW 1x 38 LPM @ 13.8m Head 380-415V / 3~ / 50 Hz 1nput Power 0.25 kW 30 x 2310mm(W) 3980mm(L) x 2310mm(W) 32550mm(H) 3980mm(L) x 2550mm(W)
SERVICES		Voltage	40 ℃	
SERVICES	Water	Inlet	3/4" Male BSP	3/4" Male BSP
		Drain	50mm Flexible Coupling	50mm Flexible Coupling
		Drain Flow Rate	40 L/m	40 L/m
	Duct	Supply Air	Side Discharge 1890 x 2310mm	Side Discharge 1890 x 2310mm
	Connections	Exhaust Air	4x Top Discharge Vents	4x Top Discharge Vents
ENVIRONMENT	Maximum Inlet	: Air Temperature	50 ℃	Standard Capacity Fan: 380-415 V / 3~ / 50Hz 27 A 12.5 kW 10 kPa 45 L/min @ 85 kPa - 800 kPa 40 °C 3/4" Male BSP 50mm Flexible Coupling 40 L/m 2310mm Side Discharge 1890 x 2310mm 4x Top Discharge Vents 50 °C 2x 560mm Centrifugal 3.5 kW -10V Variable Speed, ECM, 0-10V 1750rpm 4x 355mm Centrifugal 1.7 kW -10V Variable Speed, ECM, 0-10V 2600 rpm x 635 x 16x G4 Washable 635 x 635 x 50mm 16 Cores 2 Chillcel Pads 180 L 24 VAC Solenoid Valve ead 1x 75 LPM @ 24.7m Head 380-415V / 3~ / 50 Hz Input Power 0.75 kW 1x 38 LPM @ 13.8m Head 380-415V / 3~ / 50 Hz Input Power 0.25 kW Conductivity Probe 230V, 50Hz 12 VAC Vertical 3980mm(L) x 2310mm(W) (H) 3980mm(L) x 2550mm(H) 2100 kg
		Fan	2x 560mm Centrifugal	2x 560mm Centrifugal
	Supply Air	Motor	3.5 kW	3.5 kW
	Fan/Motor	Control	Variable Speed, ECM, 0-10V	Variable Speed, ECM, 0-10V
AIR SYSTEMS		Maximum Speed	1750rpm	1750rpm
AIR SYSTEMS	Exhaust Air	Fan	4x 355mm Centrifugal	4x 355mm Centrifugal
AIRSTSTEMS		Motor	1.7 kW	1.7 kW
	Fan/Motor	Control	Variable Speed, ECM, 0-10V	Variable Speed, ECM, 0-10V
AIR SYSTEMS Exhaust Air Fan/Motor Exhaust Air Fan/Motor Fan/Motor Fan/Motor Fan/Motor Fan/Motor Control Maximum Speed Variable S Maximum Speed Z600 rpn Air Filters Inlet HEAT EXCHANGERS Indirect Evaporative None	2600 rpm	2600 rpm		
	Air Filters			
HEAT	Indirect	Evaporative	16 Cores	16 Cores
EXCHANGERS	Direct E	vaporative	None	2 Chillcel Pads
	Tank (Rese	rvoir) Capacity	180 L	180 L
	Inle	t Valve	24 VAC Solenoid Valve	24 VAC Solenoid Valve
	Pumps - Indired	t Heat Exchangers	380-415V / 3~ / 50 Hz	380-415V / 3~ / 50 Hz
WATER SYSTEMS	Pump - Direct	Heat Exchangers	NONE	380-415V / 3~ / 50 Hz
	Salinity N	1anagement	Conductivity Probe	Conductivity Probe
	Chlo	orinator	230V, 50Hz	230V, 50Hz
	Dra	in Valve	12 VAC Vertical	12 VAC Vertical
DIMENSIONS	Shipping Fans/Motors,			
DIMENSIONS	HEAT Indirect Evaporation Tank (Reservoir) Carante Valve Pumps - Indirect Heat Expression Salinity Manager Chlorinator Drain Valve Shipping Note Fans Weat Manager Chlorinator Drain Valve Shipping Shipping Note Fans Shipping Note Fans Shipping Shipping Shipping Exc. Learners Shipping Note Shipping Shipping Note Fans Shipping Note Fa	Filters shipped		
	Shipping	exc. Loose items	2000 kg	2100 kg
WEIGHT	Operating		2700 kg	2850 kg





TECHNICAL DATA SHEET - CW-80 WITH MULTI-MAGIC CONTROLS

MODEL:			CW-80 IEC High Capacity Fans	CW-80 SUPERCOOL HIGH CAPACITY FANS		
		Voltage	380-440 V / 3~ / 50-60Hz	380-440 V / 3~ / 50-60Hz		
	Electrical	FLA	29 A	30 A		
SERVICES Electrical FLA Input F	Input Power	14 kW	14 kW			
		Supply	45 L/min @ 85 kPa - 800 kPa	45 L/min @ 85 kPa - 800 kPa		
SERVICES	Water	Max Temperature	40 °C	40 ℃		
	11415.	Inlet	3/4" Male BSP	3/4" Male BSP		
	SERVICES Water Electrical FLA Input Power Supply Max Temperature Inlet Drain Drain Flow Rate Supply Air Exhaust Air Motor Control Maximum Speed Air Filters Inlet Indirect Evaporative Direct Evaporative Tank (Reservoir) Capacity Inlet Valve Pump Indirect Heat Exchangers Salinity Management Chlorinator Drain Valve Shipping Note: Exhaust Fans/ Motor Control Maximum Speed Exhaust Air Fan Motor Control Maximum Speed Exhaust Air Fan Motor Control Maximum Speed Air Filters Inlet Indirect Evaporative Direct Evaporative Pump Indirect Heat Exchangers Salinity Management Chlorinator Drain Valve Shipping Note: Exhaust Fans/ Motors, Weatherseal	2" Flexible Coupling	2" Flexible Coupling			
		Drain Flow Rate	40 L/min	### APACITY FANS V / 3~ / 50-60Hz 380-440 V / 3~ / 50-60Hz 29 A		
SERVICES Electrical Electrical FLA Input Power	Side Discharge 1890 x 2310mm	Side Discharge 1890 x 2310mm				
	Connections	Exhaust Air	4x Top Discharge Vents	HIGH CAPACITY FANS		
ENVIRONMENT	Maximum Inl	et Air Temperature	50 °C	50 °C		
		Fan	2x 560mm Centrifugal	2x 560mm Centrifugal		
	Supply Air	Motor	3.5 kW	3.5 kW		
		Control	Variable Speed, ECM, 0-10V	Variable Speed, ECM, 0-10V		
		Maximum Speed	1750 rpm	1750 rpm		
AIR SYSTEMS		Fan	4x 355mm Centrifugal	4x 355mm Centrifugal		
AIR SYSTEMS	Exhaust Air	Motor	1.7 kW	1.7 kW		
	Fan/Motor	Control	Variable Speed, ECM, 0-10V	Variable Speed, ECM, 0-10V		
Exhaust Ai Fan/Motor		Maximum Speed	2600 rpm	2600 rpm		
	Air Filters	Inlet	16x G4 Washable 635 x 635 x 50mm	30 A 14 kW 45 L/min @ 85 kPa - 800 kPa 40 °C 3/4" Male BSP 2" Flexible Coupling 40 L/min Side Discharge 1890 x 2310mm 4x Top Discharge Vents 50 °C 2x 560mm Centrifugal 3.5 kW Variable Speed, ECM, 0-10V 1750 rpm 4x 355mm Centrifugal 1.7 kW Variable Speed, ECM, 0-10V 2600 rpm 16x G4 Washable 635 x 635 x 50mm 16 Cores 2 Chillcel Pads 180 L 24 VAC Solenoid Valve 1x 75 LPM @ 24.7m Head 380-440V / 3~ / 50-60 Hz Input Power 0.75 kW 1x 38 LPM @ 13.8m Head 380-440V / 3~ / 50-60 Hz Input Power 0.25 kW Conductivity Probe 230V, 50-60Hz 12 VAC Vertical 3980mm (L) x 2310mm (W) x 2550mm (H) 3980mm (L) x 2550mm (W) x 3515mm (H) 2100 kg		
	Indirect Evap	orative	16 Cores	16 Cores		
EXCHANGERS	Direct Evapor	ative	NONE	2 Chillcel Pads		
	Tank (Reservo	oir) Capacity	180 L	180 L		
	Inlet Valve		24 VAC Solenoid Valve	24 VAC Solenoid Valve		
		Exchangers	1x 75 LPM @ 24.7m Head 380-440V / 3~ / 50-60 Hz Input Power 0.75 kW	380-440V / 3~ / 50-60 Hz		
		xchangers	NONE	380-440V / 3~ / 50-60 Hz		
	Salinity Mana	gement	Conductivity Probe	Conductivity Probe		
	Chlorinator		230V, 50-60Hz	230V, 50-60Hz		
	Drain Valve		12 VAC Vertical	12 VAC Vertical		
DIMENSIONS	Shipping	Motors, Weatherseals	3980mm (L) x 2310mm (W) x 2550mm (H)			
DIMILIAGIONS	Operating	1 330011111 (L) X 233011111 (W				
WEIGHT	Shipping	exc. Loose items	2000 kg			
WEIGHT	Operating	inc. Water & Extras	2700 kg	2850 kg		



The Climate Wizard Cooling Performance

Supply Air Temperature

Location	Design condition		The Climate Wizard Leaving Air Temp (°C)										
		CW-3	CW-H10	CW-H15	CW-H15S	CW-H15S Plus	CW-80	CW-80S					
Arid	42° C DB / 21° C WB	19	18	18	15	16	19	16					
Temperate	37° C DB / 19° C WB	18	17	17	14	15	18	15					
Continental	31° C DB / 20° C WB	20	19	19	17	18	20	18					
Sub-Tropical	31° C DB / 23° C WB	23	23	23	20	22	23	21					
Tropical	33° C DB / 26° C WB	26	26	26	25	25	26	25					

Stand-Alone Cooling Capacity

Location	Design condition	C	W-3	CW-H10		CW-H15		CW-H15S		CW-H15S Plus		CW-80		CW-80S	
		kW	СОР	kW	СОР	kW	СОР	kW	СОР	kW	COF	kW	СОР	kW	СОР
Arid	42° C DB / 21° C WB	14	8	9	6	12	7	17	9	22	10	86	6	117	9
Temperate	37° C DB / 19° C WB	17	10	10	7	14	8	19	10	25	11	102	8	132	10
Continental	31° C DB / 20° C WB	13	8	8	6	11	6	14	8	19	9	82	6	100	8
Sub-Tropical	31° C DB / 23° C WB	8	4	5	4	8	4	9	5	13	6	48	4	60	5

Pre-Cooling Capacity

Location	Design condition	CW-	-H10 CW-H15		-H15	CW-H15S		CW-H15S Plus		CW-80		CW-80S	
		kW	СОР	kW	СОР	kW	СОР	kW	СОР	kW	СОР	kW	СОР
Arid	42° C DB / 21° C WB	23	17	32	18	37	21	52	23	239	18	266	21
Temperate	37° C DB / 19° C WB	20	14	27	15	32	18	44	20	203	15	230	17
Continental	31° C DB / 20° C WB	12	8	16	9	19	11	26	12	120	9	136	11
Sub-Tropical	31° C DB / 23° C WB	9	6	12	7	13	8	19	9	85	6	95	7
Tropical	33° C DB / 26° C WB	7	5	10	6	11	6	16	7	73	5	81	6

The Climate Wizard cooling performance calculator

Enter the key parameters to check The Climate Wizard performance for your project. Typically the results are compelling.

You will be provided with a summary and a report of your results to meet local climate conditions.

Go to seeleyinternational.com/eu/commercial/tools















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THE CLIMATE WIZARD

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