



**The world's leading
hyper-efficient air conditioner
with an exceptional compact footprint**



Advanced Commercial HVAC Technology

The future of cooling. Climate Wizard CW3.

Micro-Core® technology - The secret to hyper-efficient cooling.

Climate Wizard CW3 uses Seeley International's latest innovation, a new Micro-Core® technology for a more compact AC unit with a substantially smaller footprint for smaller or uniquely challenging applications. The concept of how it works remains unchanged, combined with equally effective cooling performance and efficiency.

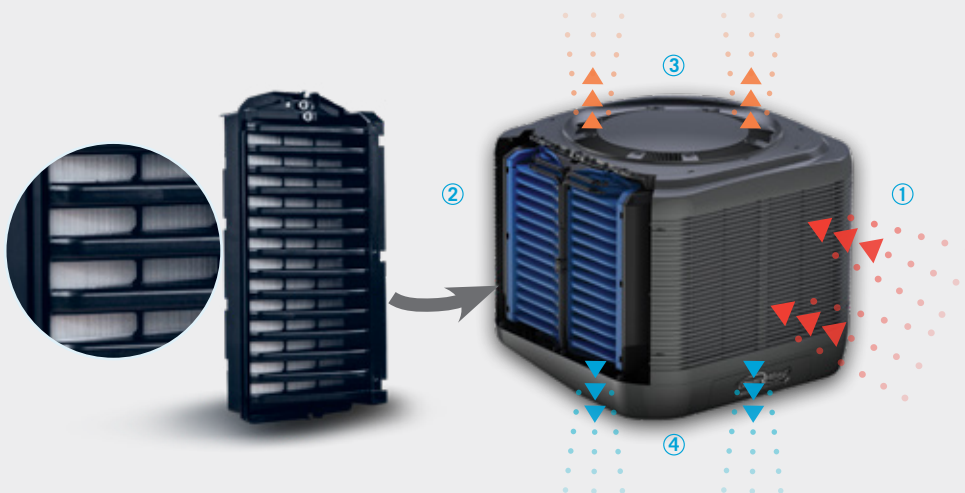


Outstanding cooling performance.

CW3 provides hyper-efficient cooling of outside air and up to **80% lower cooling energy costs*** compared to standard efficiency air conditioning, with the added benefit of supplying 100% fresh, filtered air (with no recirculated air) to flush out contaminants, odours, pollens and dust particles that may build up in the building space, increasing Indoor Air Quality (IAQ).

CW3 delivers incredible variable load performance due to its inverter technology fan motor. During conditions where high loads are present in the space, CW3 provides full fan speed. When heat load is low in the space, the CW3 fan slows down and is able to provide an increased EER up to 68 with input power of only 300W. The CW3 contains an on-board sophisticated control system that ensures peak efficiency during all operating conditions.

New Micro-Core® counter-flow heat exchanger.



How it works.

- ① Hot air enters the cooler
- ② Hot air passes through the Micro-Core®
- ③ Warm, moist air exhausted outside
- ④ Fresh, cool outside air passes into the building



Small business owners can cut up to 80% of their cooling energy costs which is critical to their bottom line.^

A wide range of applications.

Designed to meet the cooling and fresh air requirements of buildings across many sectors, particularly where there is constant access or a high density of customers or occupants, spaces constantly open to outdoors or where doors are frequently opening and closing.

CW3 also delivers optimal cooling performance in specialised applications including:

- Deliver 100% fresh, filtered, cool air to provide a healthy environment in classrooms, doctor offices/clinic, hospitals and aged care facilities.
- Exhaust / make-up air applications such as commercial kitchens / food preparation and laundries
- Spot cooling above work stations to cool equipment or workers in processing, manufacturing, assembly areas, counter areas or warehouse environments boosting staff productivity and well-being as well as customer comfort.

Advanced next generation smart controllers.

Optional controller

MagIQtouch® controller.



Optional accessory

MagIQtouch® BMS industrial controller MS1.



Supply air temperature

Location	Design condition	CW3 Leaving Air Temp (°F)	Stand Alone Cooling Capacity (Tons)	Standalone Cooling Capacity (BTU/h)	EER
Arid	108°F DB / 70°F WB	70	2.8	33,600	19.8
Temperate	99°F DB / 66°F WB	66	4.0	48,000	28.2
Continental	88°F DB / 68°F WB	68	3.4	40,800	24.0
Sub-Tropical	88°F DB / 73°F WB	73	2.0	24,000	14.1



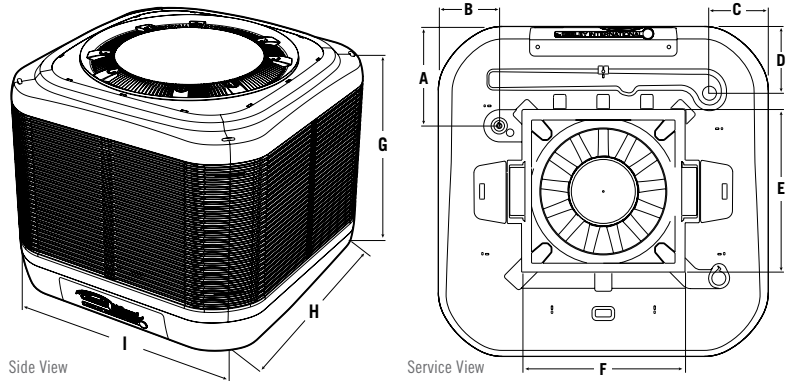
*Seeley International's calculations from performance data logged in NATA accredited testing facility, compared to refrigerated (standard efficiency AC) systems performing the same duty and publicly sourced running cost figures. ^Compared to standard efficiency systems performing the same duty. Dependent on final system design for individual applications. We recommend consultation with a Seeley International Sales Engineer to establish the most appropriate product selection.

Technical Specifications

CW3		
Operation	Voltage/Phases/Hz	220-240 / 1 / 50/60
	Power	1,700W
	Current Draw	7.0A
	Cooling Capacity*	40,900 BTU/hr
	Airflow @ 0.40 in w.g	3,030 CFM
Fans	Fan Type	Supply: Axial Exhaust: Centrifugal-Backward Curved
	Motor Type	Inverter driven variable speed
	Motor Output	Supply: 750W Exhaust: 950W
	Motor Overload Protection	One shot fuse
Pumps	Type	Centrifugal (Vertical)
	Motor	2 Pole Synchronous
	Power – rated	25W
	Flow Rate	21L/min
	Voltage / Phases / Hz	220-240VAC / 1PH / 50/60Hz
	Overload	One shot
Heat Exchanger Cores	Enclosure Rating	IPX4
	Climate Wizard Patented 2-Stage Heat Exchanger Cores	Indirect: x8 Direct: x8
Water	Water Supply	5.3 GPM @ 15 PSI - 115 PSI
	Water Drain	Water Drain Connection 1½" BSP
	Tank Capacity	8 Gal
Filtration	Air Filters	8x MERV 8 Washable 14" x 25" x 1"
Shipping	Dimensions	46 ¼" (L) x 46 ¼" (W) 40" (H)
	Weight	460 lb
Installation	Connected Duct	21" x 21"
	Weight	Operating – 530 lb

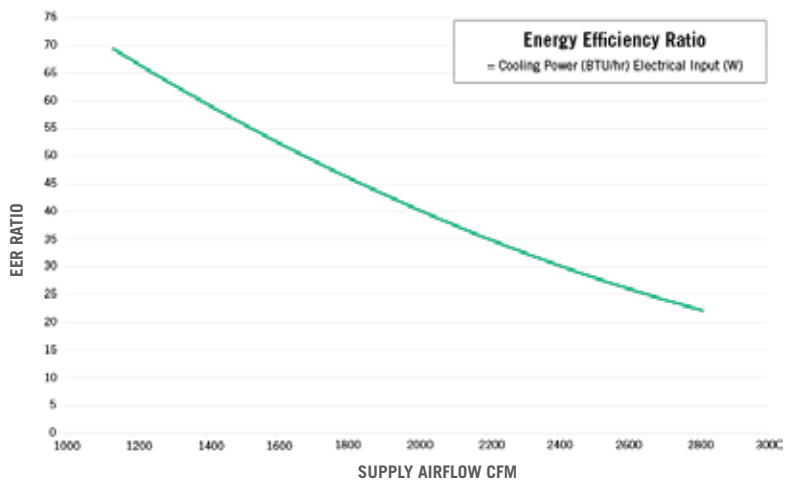
Note: specifications subject to change. *Tested in accordance with ASHRAE 143 conditions of 38.0 °C db / 21.0 °C wb.n accordance with Australian Standard AS2913. *Testing was performed by NATA accredited Meridian Test Laboratory, to the requirements of the Australian Standard AS2913-2000 at 38.0 deg C Dry Bulb Temperature and 21 deg C Wet Bulb Temperature. Supply airflow was varied by changing supply fan speed from maximum to minimum. Supply backpressure was 150 Pa at maximum airflow and de-rated accordingly with airflow.

Cabinet details



Model	A	B	C	D	E	F	G	H	I
CW3 (inches)	13.6 Inlet	8.3 Inlet	8.0 Drain	9.0 Drain	22.4 Suits 20.9" dropper	22.2 Suits 20.9" dropper	40	45 ½	45 ½

Energy Efficiency Ratio (EER) ^

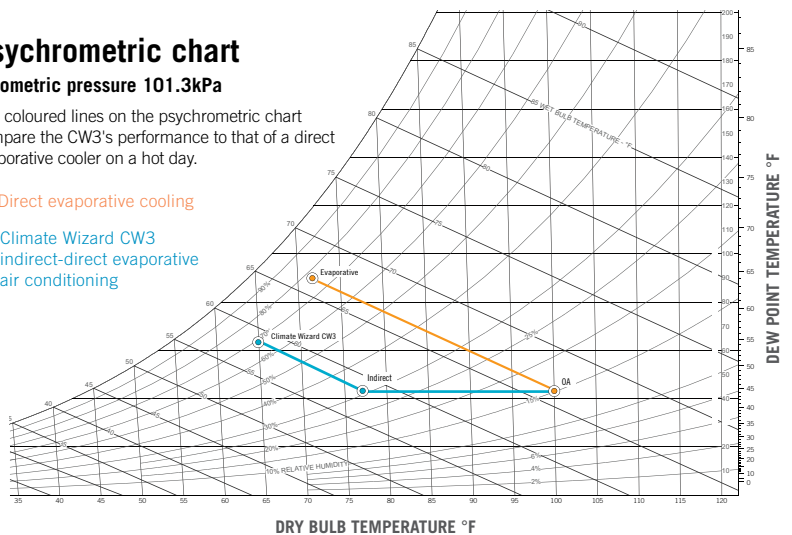


Psychrometric chart

Barometric pressure 101.3kPa

The coloured lines on the psychrometric chart compare the CW3's performance to that of a direct evaporative cooler on a hot day.

- Direct evaporative cooling
- Climate Wizard CW3 indirect-direct evaporative air conditioning



For more information
email ussales@seeleyinternational.com



We provide full technical support to ensure optimal performance for each application.

Seeley International Americas
1002 S 56th Avenue, Suite #101 Phoenix AZ 85043 | Ph:602 353 8066
4430 Glencoe Street, Denver CO 80216 | Ph:303 375 0878
seeleyinternational.com

