

# Mobile EA Series

## SUITABLE FOR:

- ≡ Warehouses / workshops
- ≡ Repair / maintenance areas
- ≡ Construction sites
- ≡ Shipping / receiving docks
- ≡ Sports centres
- ≡ Outdoor sports / corporate events
- ≡ Agricultural facilities
- ≡ Manufacturing centres / factories
- ≡ Aircraft hangars
- ≡ Storage areas
- ≡ Temporary building / tent
- ≡ Laundries / dry cleaners
- ≡ Commercial kitchens
- ≡ Pretty much anywhere there is a need for portable cooling



**When you need fresh, cool air quickly, or want some flexibility, the Mobile EA series rolls in and out, with no fuss. So you can get cool air where you need it, when you need it!**

- ≡ Mobile EA delivers up to 8480 m<sup>3</sup>/h of instant cooling to large work areas of up to 1066m<sup>2</sup>. It works best with windows or doors open, so you don't have to close up the building. Best of all, it consumes up to 80% less energy than refrigerated air conditioning, so the cost savings are substantial!
- ≡ Made of tough, all-structural UV-protected structural polymers, Mobile EA won't ever rust, corrode, fade or crack. A 98 L reservoir allows continuous operation for up to eight hours.
- ≡ Plus, Mobile EA can be plumbed to a dedicated water line or connected to a garden hose. An easy-to-access drain plug makes flushing and cleaning simple.
- ≡ As it cools the air, Mobile EA also filters out dust, pollen and contaminants (which helps with Sick Building Syndrome and other causes of loss of productivity).

## Technical Specifications

### EA 120SVM

Airflow	Industry standard (m <sup>3</sup> /h) @ 40Pa	8480
Cooling capacity*	kW	13.96
Power consumption (total)	Watts max	1150
	Current max (amp)	5.2
Power supply	Voltage / Phases / Hz	230 / 1 / 50
Controller	Type	Variable speed
Fan	Type	Centrifugal
	Dia x width (mm)	460 x 380
V-Belt	Type	A55
Motor	Type	PSC - variable speed
	Output Watts max	750
	Overload	Auto
	Enclosure	IP 21
Pump	Type	Centrifugal
	Motor	Synchronous
	Rating Watts (input)	19
	Flow rate (L/min)	17
	Voltage / Phases / Hz	240 / 1 / 50
	Overload	Auto reset
Cooling pad	Enclosure rating	IP X4
	Size (mm)	870 x 800 (3pads)
Water	Pad area (m <sup>2</sup> )	2.1
	Tank capacity (L)	98
Shipping	Inlet (mm / inches)	12.7 / ½ male BSP
	Dimensions including pallet (mm)	1020 x 1220 x 1475
	Volume (m <sup>3</sup> )	1.84
	Mass (kg)	121
	Operating (kg)	193

\*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.

**25 Years**  
Corrosion-free  
cabinets  
guarantee

**10 Years**  
Structural  
components  
guarantee

**2 Years**  
Pump, motor  
& electrical control  
box guarantee

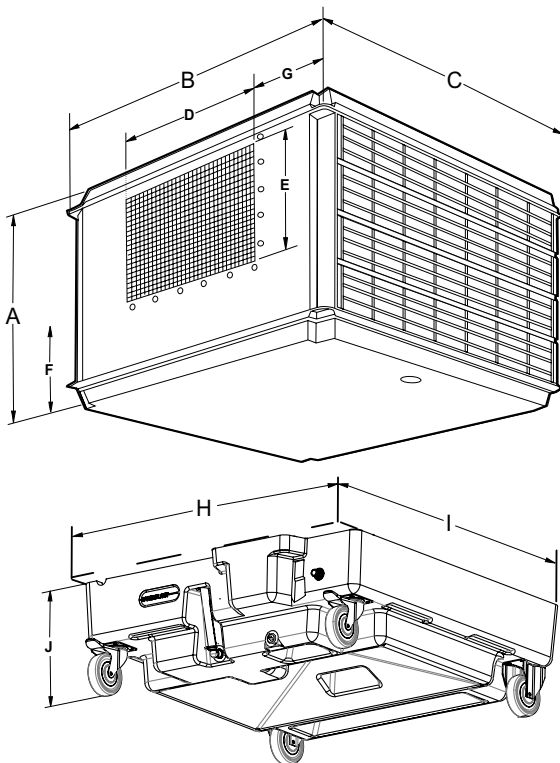
## Cooler Discharge Air Temperature Chart

		Ambient Relative Humidity %								
		10	20	30	40	50	60	70	80	90
Ambient Dry Bulb Temperature °C	10	3.3	4.0	4.8	5.6	6.4	7.2	8.0	8.6	9.4
	15	6.6	7.8	8.8	9.8	10.8	11.7	12.6	13.4	14.3
	20	10.1	11.4	12.8	13.9	15.2	16.2	17.2	18.2	19.2
	25	13.4	15.0	16.6	18.0	19.4	20.6	21.8	22.9	24.0
	30	16.6	18.6	20.4	22.0	23.6	25.0	26.4	27.7	28.9
	35	19.8	22.2	24.2	26.2	28.0	29.6	31.0	32.4	33.7
	40	23.0	25.6	28.1	30.4	32.3	33.9	N/A	N/A	N/A
	45	25.9	29.2	32.0	34.4	N/A	N/A	N/A	N/A	N/A
	50	29.0	32.7	35.8	N/A	N/A	N/A	N/A	N/A	N/A

This chart represents approximate air temperatures based on 90% saturation efficiency at sea level. From tests carried out to Australian Standard 2913.



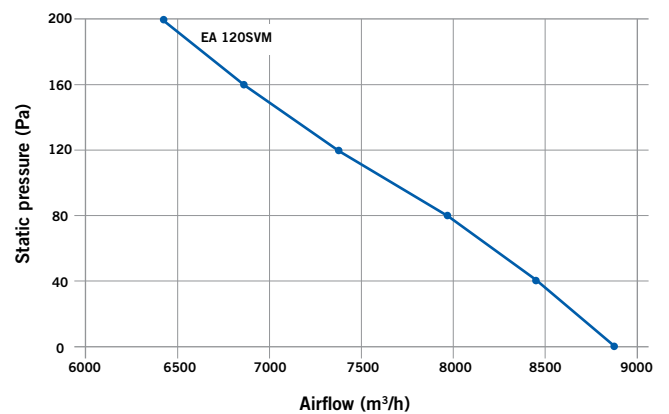
### CABINET DETAILS



Model#	A	B	C	D	E	F	G	H	I	J
EA 120SVM	1160	1005	945	553	448	395	237	1020	1035	345

Note: All dimensions are in mm

### FAN CURVES



Model#	Industry STD Rating m³/h @ 40Pa	Motor W	Certified Air Delivery (m³/h) (static pressure Pa)					
			0	40	80	120	160	200
EA 120SVM	8480	750	8890	8480	7990	7380	6860	6410