

Air Processor (Circulation Type) Air cooled Patented

Models

AP-750M-E / AP-750MV-E

AP-750MVK-E / AP-1500M-E

AP-1500MV-E / AP-1500MVK-E

Air processing capacity 4~15m³/min

Humidity setting range 30~90%

A localized precision air processing unit that can be used to fill each of the needs of various industrial fields.

The circulating type air circuit easily enables low to high temperature environments.

Compact design

The environment box (testing chamber) can be easily replace or moved according to your needs.

Three functions to choose from

3 functions of temperature control, humidity control, purification (special order) offer a total response to your local air space needs.



AP1500MVK-E

Specifications

Model		AP-750M-E	AP-750MV-E	AP-750MVK-E	AP-1500M-E	AP-1500MV-E	AP-1500MVK-E	
Performance specifications*1	Temperature control range	°C	5 ~ 35	5 ~ 70	5 ~ 70 (During humidity control: 15 ~ 70)	5 ~ 35	5 ~ 70	5 ~ 70 (During humidity control: 15 ~ 70)
	Humidity control range *2	%	—		30 ~ 90 (When at 40 ~ 60 °C)	—		30 ~ 90 (When at 40 ~ 60 °C)
	Control accuracy *3	°C, %	± 0.5		± 0.5, ± 3	± 0.5		± 0.5, ± 3
	Control method		Digital setting, Digital display, Heater PID control					
	Cooling capacity *1	kW	1.5/1.75			3.25		
	Processed air flow (50/60 Hz)	m ³ /min	4 ~ 6 / 4 ~ 7			10 ~ 13 / 10 ~ 15		
Ambient temp. range	°C, %	15 ~ 35						
Outlet connection port		Air outlet φ 100 (incl. companion flange)			Air outlet φ 150 (incl. companion flange)			
Power specifications	Power source	V (Hz)	Three-phase 200 ± 10% (50/60)					
	Maximum operating current	A	18		27	37		58
	Maximum operating power consumption	kW	5.7		9.0	11.5		19.0
	Circuit breaker		Built-in					
	Refrigerant		R407C					
	Mass	kg	120		130	190		200
Outside dimensions (H x D x W)	mm	1044 × 548 × 660			1374 × 618 × 753			

* 1 Maximum air flow, control temp.: 25 °C, ambient temp.: 25 °C (Not the case for humidity control.)

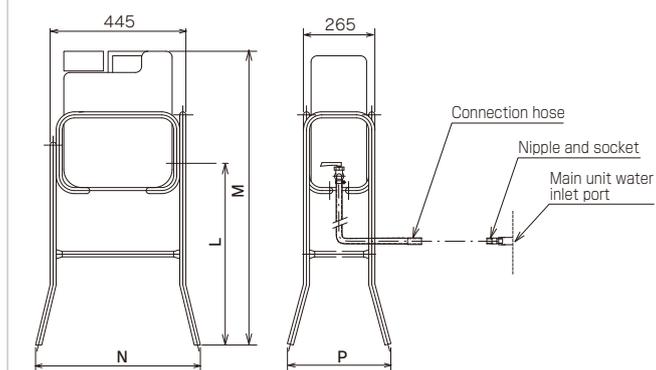
* 2 When under temperature and humidity control, refer to the "Temperature and humidity control range" chart shown in the next page.

* 3 No load, no sample, specified voltage, temperature (humidity) taken of air at unit air outlet port for a short time.

* Never operate on explosive or combustible substances, nor with substances that may contain explosive or combustible compounds.

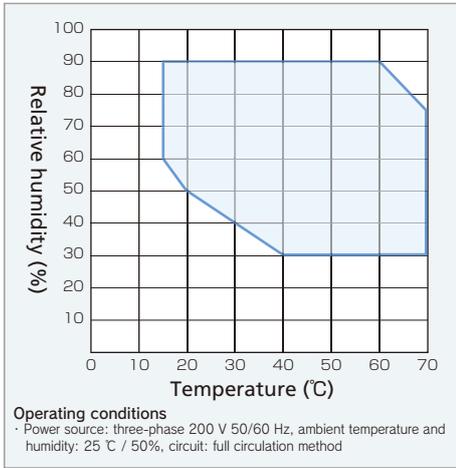
* Install in a location free from the effects of corrosive gases (especially those harmful to copper and stainless steel.)

Water supply tank (optional equipment) outside dimensions

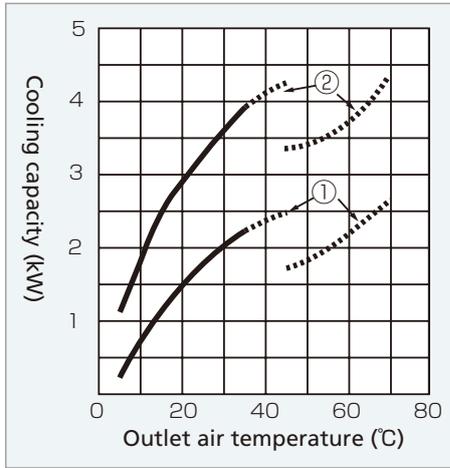


Model	L	M	N	P
AP-750MVK-E	850	1230	535	370
AP-1500MVK-E	1170	1560	660	480

Temperature and Humidity Control Range



Cooling Capacity Curves

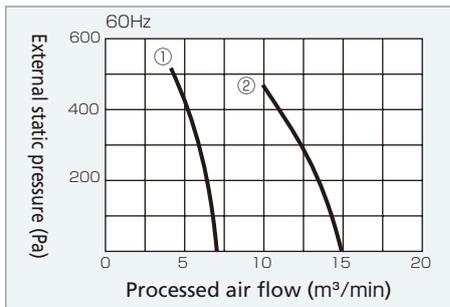
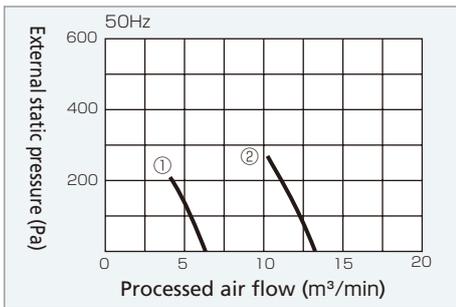


No.	Solid line applicable models
①	AP-750M-E
②	AP-1500M-E
No.	Solid line applicable models
①	AP-750M-E
②	AP-1500M-E

Operating conditions
 · Power source: Three-phase, 200V 60 Hz
 · Ambient temperature and humidity : 25°C / 50%
 · Processed air flow: rated air flow (external pressure: 0 Pa)

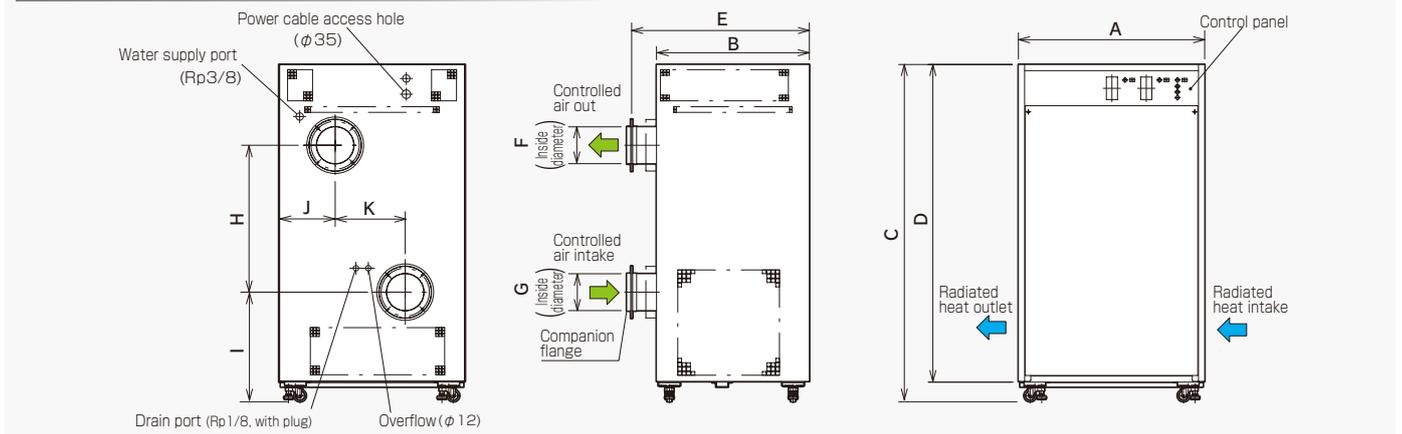
Cooling capacity compensation value
Note 1: Power source of 50 Hz will be 85% of 60 Hz. (AP-1500 is same value for 50 or 60 Hz.)
Note 2: Cooling capacity curve during temperature control. The power curve will be different during humidity control.

Processed Air Flow Performance Charts



① AP-750M-E · MV-E · MVK-E
 ② AP-1500M-E · MV-E · MVK-E
 ※ Do not operate at Processed air flows outside what is listed in these charts.

External dimensions (units: mm)



Model	A	B	C	D	E	F	G	H	I	J	K
AP-750M-E / MV-E / MVK-E	660	548	1044	964	(647)	φ 100	φ 100	425	319	185	279
AP-1500M-E / MV-E / MVK-E	753	618	1374	1294	(719)	φ 150	φ 150	598	446	227	283