



**COOL CABI**



Power-Saving Technology

Enclosure cooler

Lineup enhanced



Max

Industry-leading  
low energy

NEW  
MODEL

DOWN

# *Futuristic energy saving* **Starts.**

COOLCABI with higher level of perfection

OHM has totally reviewed the conventional structure of enclosure coolers pursuing higher cooling efficiency with smaller energy and achieved the revolutionary energy saving performance.

Energy saving  
**Max**

**DOWN**



**NEW** OCA-E300BC-AW



OCA-E600BC-AW



OCA-E1000BC-AW



**NEW** OCA-E1600BC-AW

POINT 1

SUPER ENERGY SAVING

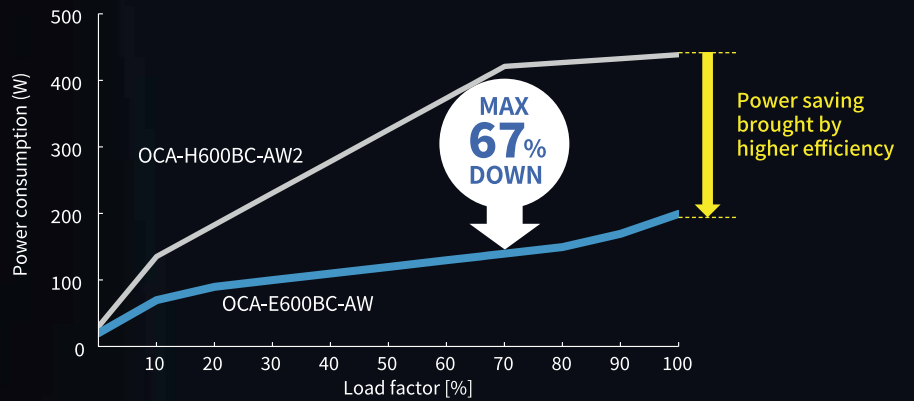
# Unrivaled energy saver

Optimized the inner layout and flow channel by thermo-fluid analysis. Further, we thoroughly reviewed power consumptions of compressors and DC fans. By employing an inverter, optimum control according to the changes of heat load and external temperature was enabled, which led to cut power consumption up to 67%\* from our conventional products as well as keeping high efficiency all the time.

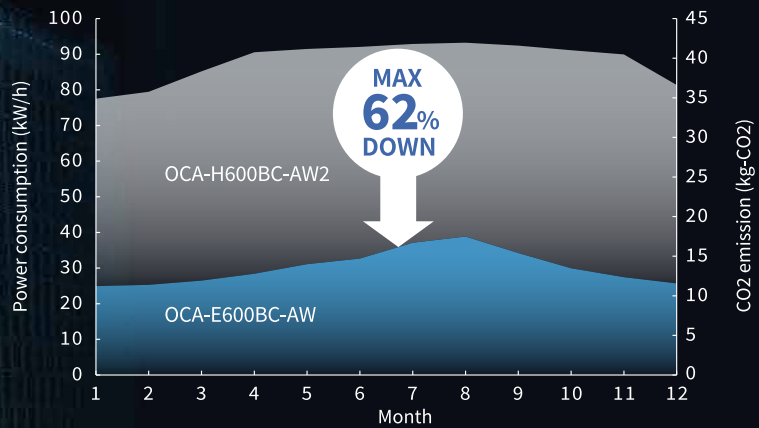
\*At 35°C ambient temperature with a load factor of 70%



■ Comparison of power consumption



■ Comparison of annual power usage and CO2 emission



Achieved 62% reduction by keeping optimum temperature with high-precision control

POINT 2

WIDE VOLTAGE RANGE

# Anywhere in the world

Designed to meet wide range of supply voltages from 100 to 240 VAC to give more flexibility in use in Japan and abroad. You can enjoy the same performance without caring about voltage ratings wherever you are.



## Model/Specifications

RoHS2

		NEW		NEW	
Model		OCA-E300BC-AW	OCA-E600BC-AW	OCA-E1000BC-AW	OCA-E1600BC-AW
Type of mounting		Lateral mounting			
Cooling capacity <sup>*1</sup>		300W	600W	1000W	1600W
Rated voltage <sup>*2</sup>		Single phase 100 to 240VAC (50/60Hz)			
Rated current consumption	100V	1.2A	2.1A	3.5A	5.0A
	200V	0.7A	1.2A	1.8A	2.5A
	240V	0.6A	1.1A	1.6A	2.2A
Starting current		5.8A	8.6A	15.3A	15.7A
Power consumption		120W	200W	340W	480W
Working temperature <sup>*3</sup>		+20 to +55°C			
Working humidity		Not exceeding 85%RH, free from condensation			
Noise		63dB	62dB	65dB	66dB
Temp. setting range <sup>*3</sup>		+30 to +45°C (Default +35°C)			
Display		Internal temperature/Alarm code/Operation lamp (Green)/Alarm lamp (Red)			
Function		Off-temperature alarm, Detection of abnormal heat dissipation, Detection of temperature sensor disconnection, Maintenance reminder, Forced cooling operation for inspection			
Alarm output		No-voltage contact output 1a x 2 (COMMON) 250VAC 2A 30VDC 2A			
Communication funct'n		RS485 2-wire system (Modbus RTU)			
Vibration withstand		Vibration frequency 10 to 55Hz, Amplitude 0.15mm, Sweep cycle 10 times			
Protection category		Internal circuit IP54 equivalent			
Conformity Environment		RoHS2			
Refrigerant		R1234yf (200g)	R1234yf (400g)	R1234yf (700g)	R1234yf (900g)
GWP <sup>*4</sup>		<1			
Color		Powder coating N8 corresponding, N4 corresponding			
Dimensions (mm)		W300 × H500 × D200	W300 × H550 × D240	W350 × H650 × D240	W390 × H950 × D240
Weight		16kg	23kg	30kg	39kg

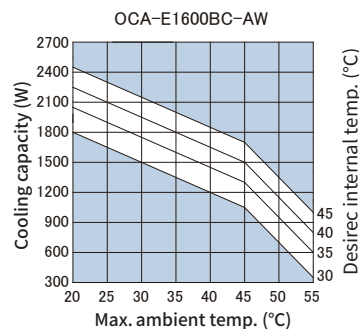
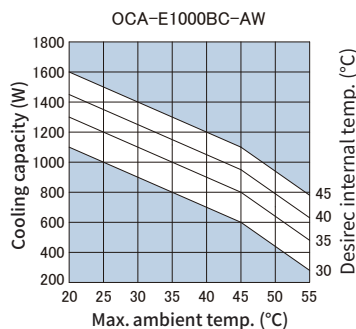
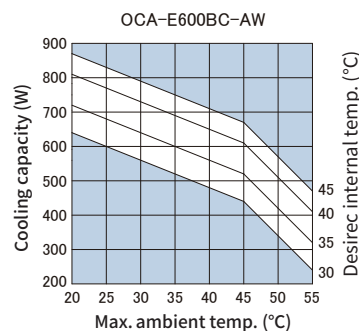
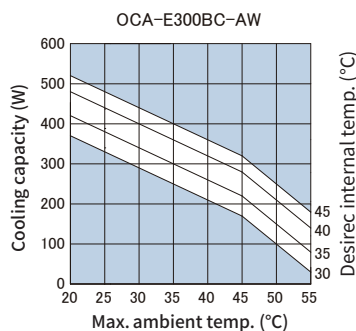
\*1 Nominal value when both of internal and external temperatures are +35°C.

\*2 The permissible voltage variation during operation is within +10% to -10% to the rated value, which means instantaneous variation and does not mean a supply voltage constantly input.

\*3 Use only within the specified temperature range.

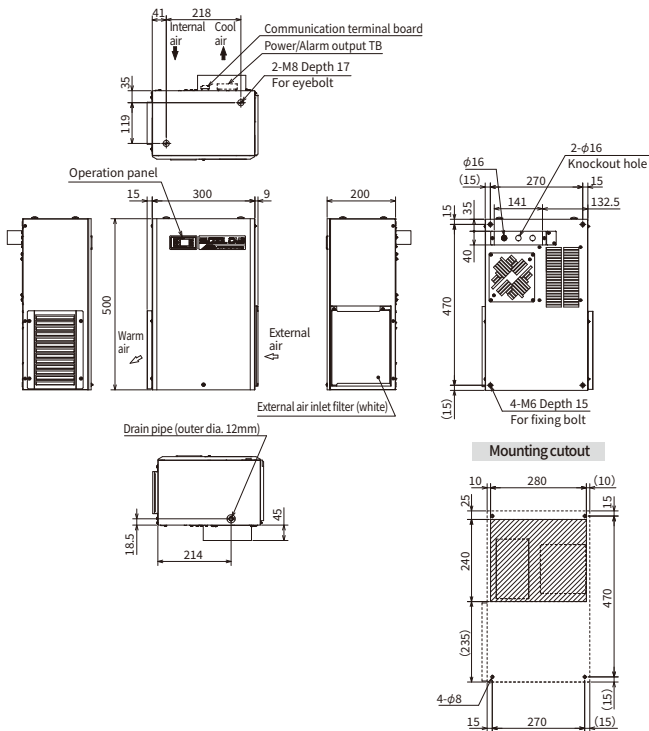
\*4 By IPCC 5th Report 2013

## Performance diagram

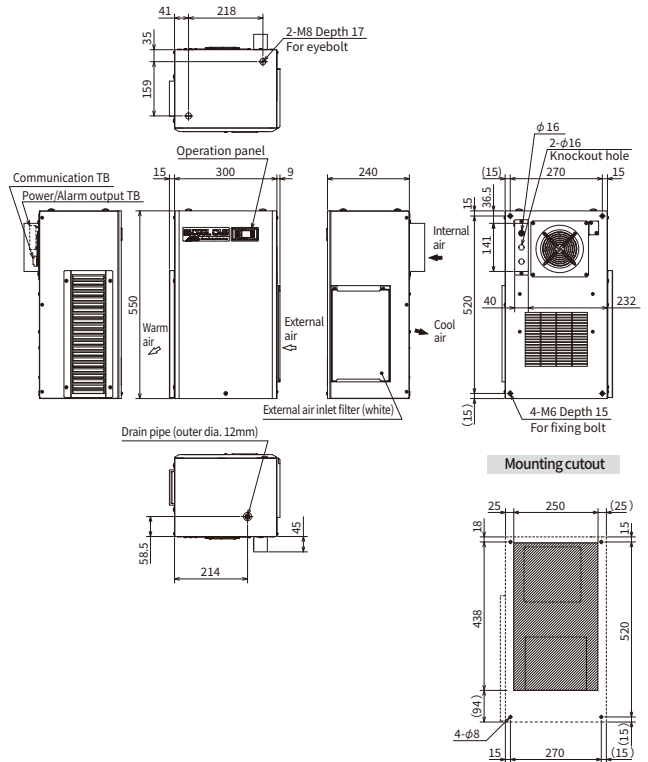


## ■ Dimensional drawing

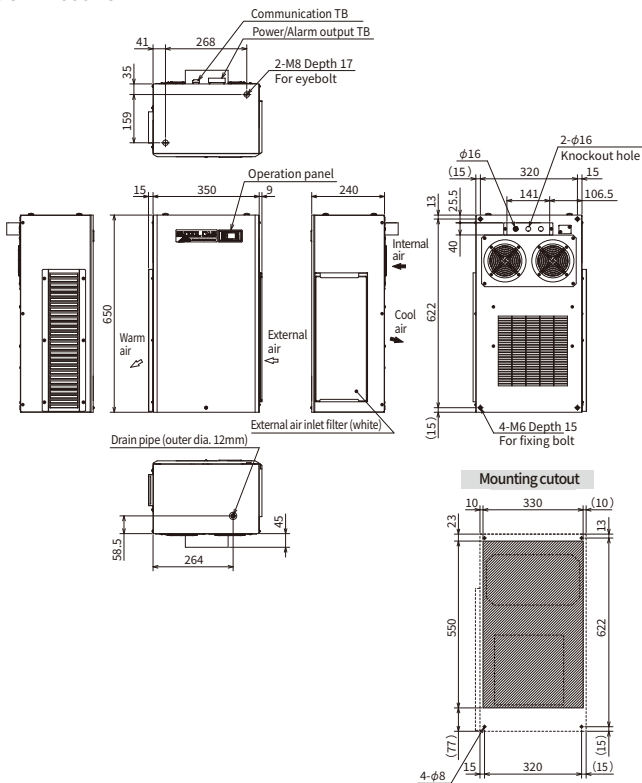
### OCA-E300BC-AW



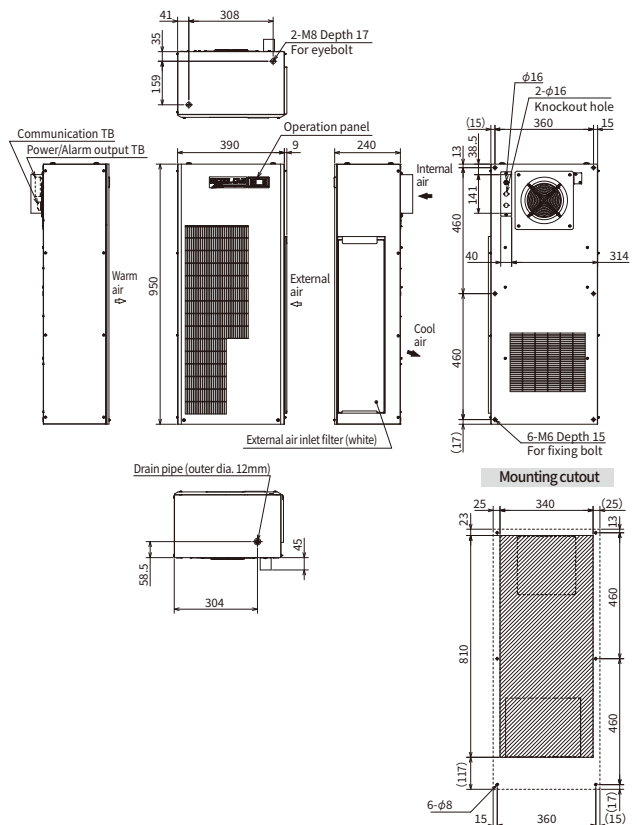
### OCA-E600BC-AW



### OCA-E1000BC-AW



### OCA-E1600BC-AW



# OPTION

## Non-drain unit

Eliminates troublesome drainage treatment!

OCA-ME080



※When OCA-ME-080 is attached to OCA-E600BC-AW

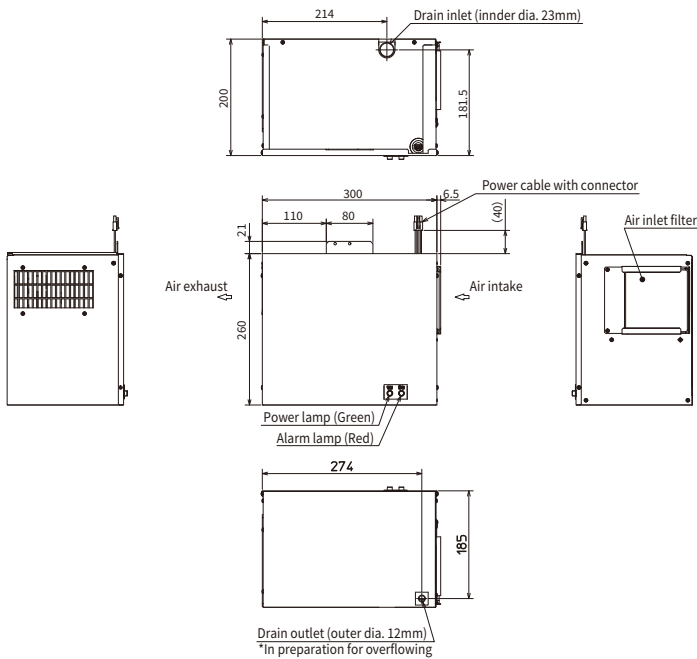
### Model/Specifications

Model		OCA-ME080
Processing method		Ultrasonic atomization
Applicable models		OCA-E300BC-AW, OCA-E600BC-AW OCA-E1000BC-AW, OCA-E1600BC-AW
Conditions for drain-free		+35°C, 85%Rh
Rated voltage <sup>*1</sup>		Single phase, 100-240VAC, 50/60Hz
Max. current consumption	100V	0.8A
	200V	0.5A
	240V	0.4A
Standby power consump.		3W
Operating power consump.		75W
Working temperature <sup>*2</sup>		+20°C to +55°C
Working humidity		Max. 85%, free from condensation
Noise		52dB (A)
Display		Power lamp (Green)/Alarm lamp (Red)
Function		Float switch-operated ON/OFF at threshold amount, Overflow detection
Conformity	Environment	RoHS2
Color		N8 corresponding, N4 corresponding
Dimensions (mm)		W300 × H260 × D200
Weight		6.5kg

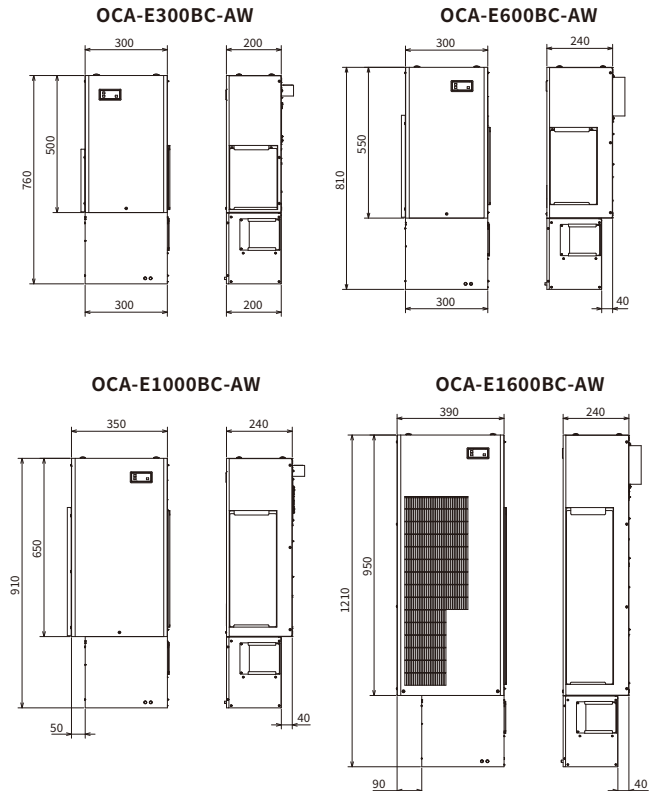
\*1 According to the voltage supplied from the COOLCABI attached to.  
The permissible voltage variation during operation is within +10% to -10% to the rated value.

\*2 Use only within the specified temperature range.

### Dimensional drawing



### Installation drawing



## OHM ELECTRIC CO., LTD.

7000-21 Nakagawa, Hosoe, Hamana-ku, Hamamatsu, Shizuoka, 431-1304 Japan  
 TEL : +81-53-522-5562 FAX : +81-53-523-2362  
 URL : <https://www.ohm.jp/> E-mail : [info-cs@ohm.co.jp](mailto:info-cs@ohm.co.jp)

- All products and specifications may change without notice for additions and betterments.
- Colors of the products may be slightly different from actual due to printing.