■ Model/Specifications

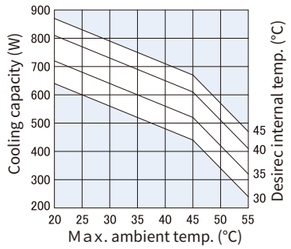
RoHS2

Model		OCA-E600BC-AW	OCA-E1000BC-AW
Type of mounting		Lateral mounting	
Cooling capacity *1		600W	1000W
Rated voltage (50/60Hz)*2		Single phase 100 to 240VAC	
Rated current consumption	100V	2.1A	3.5A
	200V	1.2A	1.8A
	240V	1.1A	1.6A
Starting current		8.6A	15.3A
Power consumption		200W	340W
Working temperature *3		＋20 to ＋55℃	
Working humidity		Not exceeding 85%RH, free from condensation	
Noise		62dB(A)	65dB(A)
Temp. setting range *3		＋30 to＋45℃ (Default +35℃)	
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 function		RS485 2-wire system (Modbus RTU)	
Vibration withstand		Vibration frequency10 to 55Hz, Amplitude 0.15mm, Sweep cycle 10 times	
Protection category*4		Internal circuit IP54 equivalent	
Conformity	Environment	RoHS2	
Refrigerant		R1234yf(400g)	R1234yf(700g)
Color		<1	
Dimensions (mm)		Powder coating N8 corresponding, N4 corresponding	
Alarm output		W300×H550×D240	W350×H650×D240
Weight		23kg	30kg

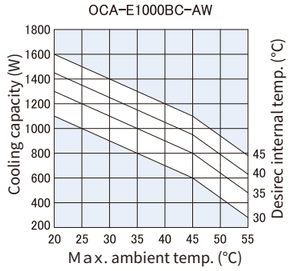
*1 Nominal value when both of internal and external temperatures are +35℃.
*2 The permissible voltage variation during operation is within +10% to -10% to the rated value, which means instantaneous variation and does not mean a supply voltage constantly input.
*3 Use only within the specified temperature range.
*4 By IPCC 5th Report 2013

■ Performance diagram

OCA-E600BC-AW

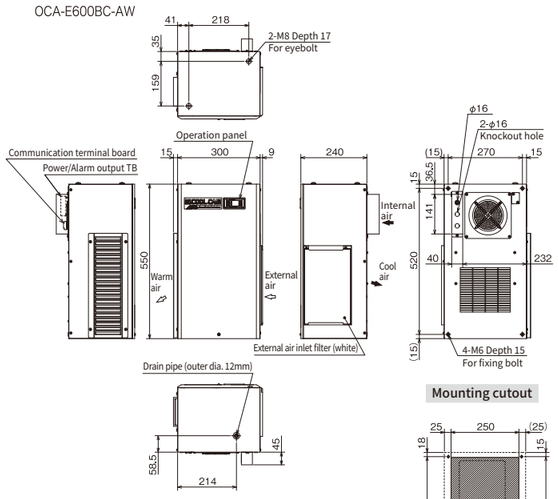


OCA-E1000BC-AW

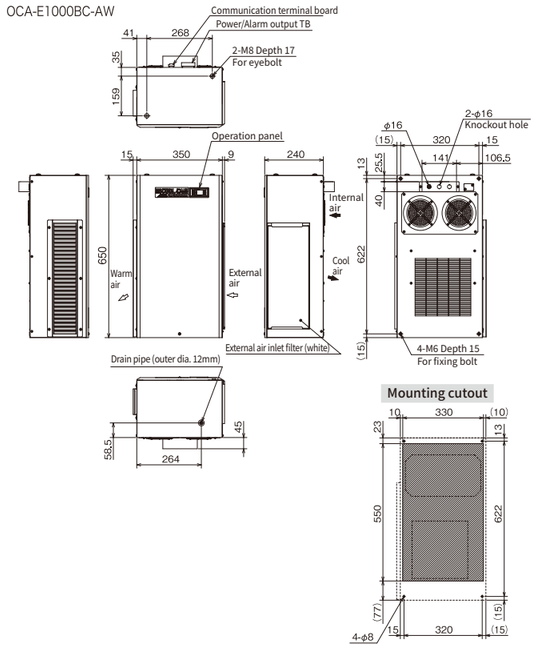


■ Dimensional drawing

OCA-E600BC-AW



OCA-E1000BC-AW



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OHM ELECTRIC

COOL CABI
Power-Saving Technology

Enclosure cooler

Max

60%

Industry-leading
low energy

NEW
MODEL

DOWN

Futuristic energy saving Starts.

COOLCABI with higher level of perfection

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

67% DOWN

POINT 1

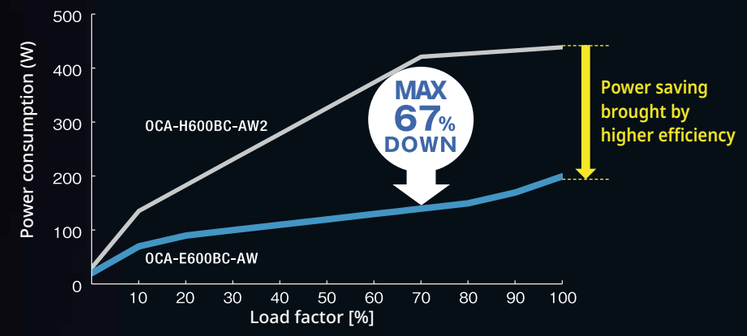
Super energy saving

Epoch-making energy saver

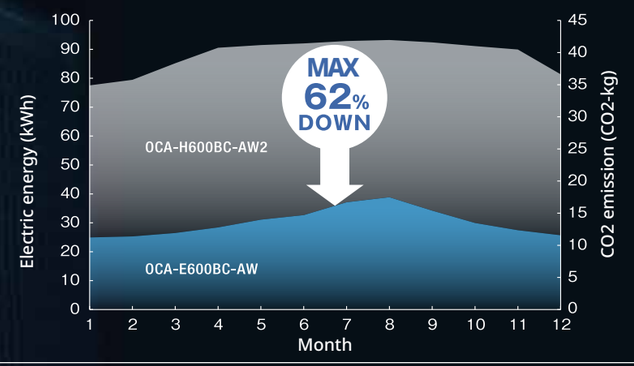
Optimized the inner layout and flow channel by thermo-fluid analysis as well as reviewing the power consumptions of compressors and DC fans thoroughly. Use of an inverter enabled optimum control according to the changes of heat load and external temperature. By these improvements, power usage has been cut up to 67% from our conventional products with keeping high efficiency constantly.

NEW Structure **Structural change** × NEW Control **Optimizing control** × NEW Compressor **High-efficiency compressor** × NEW Fan motor **DC fan**

■ **Compariron of power consumption**



■ **Comparison of annual power usage and CO2 emission**



High-precision control keeps optimum temperature and reduce power usage/CO2 emission up to 62%.

POINT 2

Wide range

Wide input voltage range

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