

POWER FOR THE WAVES THE PURE MARINE CERTIFIED PRODUCT

800W
AB-CLASS
MAX POWER

HCP 2MX

MARINE STEREO AMPLIFIER



POWER SUPPLY

Power supply voltage / fuse:	11 ÷ 15 VDC / 2 x 20 A
Idling current (power ON/OFF):	0.6 A / 0.4 mA
Consumption @ 2 Ω, 14.4 VDC (Max Musical Power):	20 A
Remote In:	7 ÷ 15 VDC - 1 mA
ART:	Automatic Remote Turn-On/Off with Speaker-In

AMPLIFIER STAGE

Distorsion - THD (100 Hz @ 4Ω):	0.03 %
Bandwidth:	10 ÷ 65k Hz
S/N Ratio (A weighted @ 1 V):	105 dB
Damping factor (100 Hz @ 4Ω):	300
Pre-In sensitivity:	0.2 ÷ 5 VRMS
Speaker-In sensitivity:	0.8 ÷ 20 VRMS
Load impedance (MIN)	
@ 2 Ch:	2Ω
@ 1 Ch:	4Ω

OUTPUT POWER (RMS) @ 14.4 VDC, THD 1%:

2 Ch	100 W x 2 (4 Ω)
2 Ch	160 W x 2 (2 Ω)
1 Ch	320 W x 1 (4 Ω)

OUTPUT POWER (RMS) @ 14.4 VDC, THD 10%:

2 Ch	120 W x 2 (4 Ω)
2 Ch	200 W x 2 (2 Ω)
1 Ch	400 W x 1 (4 Ω)

CEA 2006-A RATINGS

RMS Power (4 Ω, ≤ 1 % THD+N, 14.4 V):	100 W x 2Ch	
S/N Ratio (ref. 1 W output):	83 dBA	

INPUTS / OUTPUTS / FILTER

Inputs:	PRE IN / SPEAKER IN
Pre out FULL:	Yes
Hi-Pass:	50 ÷ 3200 Hz @ 12 dB/Oct.
Lo-Pass:	50 ÷ 3200 Hz @ 12 dB/Oct.
Filters FULL:	Yes
Hi-Pass:	50 ÷ 3200 Hz @ 12 dB/Oct.
Lo-Pass:	50 ÷ 3200 Hz @ 12 dB/Oct.
MONO (on/off):	Yes
BOOST 50 Hz (select):	(0 / 3 / 6) dB

1. Engineered and tested for the real environment of application (UV, salt-fog, vibrations, high/low temperature, thermal shock, dust).
2. Compact design built from extruded aluminium heatsink with top side ensuring effective heat transfer.
3. Power supply featuring multiple winding transformer, Low-ESR 105°C capacitors, AB-Class 2 Ω stable output stage.
4. Hi-Pass, Lo-Pass and Full-range crossover filters with 12 dB/Oct. slope and variable frequency (50 Hz - 3200 Hz), both selectable, providing a greater application versatility for the design of active systems.
5. Bridge operation mode to drive a subwoofer or to create a powerful dual-mono system.
6. Bass Boost adjustable via selector, for more punch from speakers.
7. Special balanced input circuitry to reject electro-magnetic disturbances.
8. Hi-Level and lo-level inputs to be compatible with any source.
9. Short-circuit and thermal protections with auto resetting.

HI POWER
2 OHM
STABLE

CORROSION
RESISTANT

WATER JET
RESISTANT

SALT FOG
PROOF

SIZE / WEIGHT

Max size (mm/in):
315 x 190 x 50
12.40 x 7.48 x 1.97

Weight (kg/lb):
2,57 / 5,66

CONFIGURATIONS

