

**POWER FOR THE WAVES THE PURE MARINE CERTIFIED PRODUCT**

**760W**  
AB-CLASS  
MAX POWER

# HCP 4M

MARINE 4 CHANNEL AMPLIFIER



## POWER SUPPLY

Power supply voltage / fuse:	11 ÷ 15 VDC / 2 x 20 A
Idling current (power ON/OFF):	1 A / 0.04 mA
Consumption @ 2 Ω, 14.4 VDC (Max Musical Power):	21 A
Remote In:	7 ÷ 15 VDC - 1 mA
ART:	Automatic Remote Turn-On/Off with Speaker-In

## AMPLIFIER STAGE

Distorsion - THD (100 Hz @ 4Ω):	0.01 %
Bandwidth:	10 ÷ 45K Hz
S/N Ratio (A weighted @ 1 V):	103 dB
Damping factor (100 Hz @ 4Ω):	120
Pre-In sensitivity:	0.2 ÷ 5 VRMS
Speaker-In sensitivity:	0.8 ÷ 20 VRMS
Load impedance (MIN)	
@ 4 Ch:	2Ω
@ 3 Ch:	2Ω + 2Ω + 4Ω
@ 2 Ch:	4Ω

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

4 Ch	55 W x 4 (4 Ω)
4 Ch	85 W x 4 (2 Ω)
3 Ch	55 W x 2 (4 Ω) + 170 W x 1 (4 Ω)
3 Ch	85 W x 2 (2 Ω) + 170 W x 1 (4 Ω)
2 Ch	170 W x 2 (4 Ω)

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

4 Ch	65 W x 4 (4 Ω)
4 Ch	95 W x 4 (2 Ω)
3 Ch	65 W x 2 (4 Ω) + 190 W x 1 (4 Ω)
3 Ch	95 W x 2 (2 Ω) + 190 W x 1 (4 Ω)
2 Ch	190 W x 2 (4 Ω)

### CEA 2006-A RATINGS

RMS Power (4 Ω, ≤ 1% THD+N, 14.4 V):	50 W x 4 Ch	
S/N Ratio (ref. 1 W output):	82 dBA	

## SIZE / WEIGHT

Max size (mm/in):	315 x 190 x 50 / 12.40 x 7.48 x 1.97
Weight (kg/lb):	2,62 / 5.77

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. Lo-Pass (50 Hz to 500 Hz) and Hi-Pass (80 Hz) 12 dB crossover filters providing the ability to build a front + rear or a sub + front system.
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**

**WATER JET**

**SALT FOG**

## INPUTS / OUTPUTS / FILTER

<b>Inputs:</b>	PRE IN / SPEAKER IN
<b>Pre out FULL range (FRONT):</b>	Yes
<b>FRONT Ch. filters FULL:</b>	Yes
<b>Hi-Pass:</b>	80 Hz @ 12 dB/Oct.
<b>Lo-Pass:</b>	50 ÷ 500 Hz @ 12 dB/Oct.
<b>REAR Ch. filters FULL:</b>	Yes
<b>Hi-Pass:</b>	80 Hz @ 12 dB/Oct.
<b>Lo-Pass:</b>	50 ÷ 500 Hz @ 12 dB/Oct.
<b>FRONT Ch. MONO (on/off):</b>	Yes
<b>REAR Ch. MONO (on/off):</b>	Yes
<b>BOOST 50 Hz (select):</b>	(0 / 6 / 12) dB

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## CONFIGURATIONS

