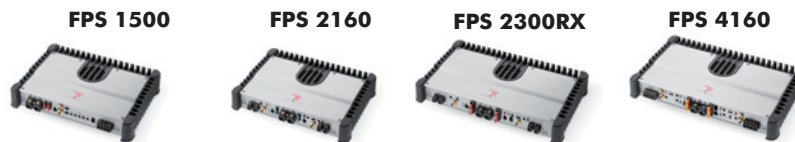
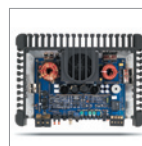


# FOCAL FPS TECHNICAL SPECIFICATIONS

January 2010



Power RMS - 14,4 V - 4 Ω - THD+N < 1% (CEA 2006)	1 x 325 W	2 x 105 W	2 x 155 W	4 x 120 W
Power RMS - 14,4 V - 2 Ω - THD+N < 1%	1 x 550 W	2 x 180 W	2 x 265 W	4 x 200 W
Power RMS - 14,4 V - 1 Ω - THD+N < 1%	1 x 800 W	-	2 x 430 W	-
Power RMS in bridge mode - 14,4 V - 4 Ω - THD+N < 1%	-	1 x 360 W	1 x 530 W	2 x 380 W
Power RMS in bridge mode - 4,4 V - 2 Ω - THD+N < 1%	-	-	1x 750 W	-
Frequency response (-1dB) in direct mode	10 Hz - 2.5 kHz	10 Hz - 52 kHz	10 Hz-25 kHz	10 Hz - 52 kHz (channels 1-2)
Signal/noise ratio (@ CEA power)	87 dBA	92 dBA	89 dBA	92 dBA
Distortion (4 ohms @ 1kHz, with lo-pass filter 22 kHz)	-	< 0.05% from 10 to 95 W	< 0.04% from 5 to 110 W	< 0.05% from 5 to 110 W
Distortion (4 ohms @ 100 Hz with lo-pass 22 kHz)	< 0.15% from 5 to 270 W	-	-	-
Channel separation (@ 1kHz, 10V, 4 ohms)	-	> 64dB	> 70 dB	> 68 dB
Damping factor (4 ohms @ 100 Hz)	220	250	250	250
Input impedance	35 kΩ	13 kΩ	13 kΩ	13 kΩ
Input sensitivity	0.2 V - 5.2 V	0.2 V - 5.2 V	0.2 V - 4.8 V	0,2 V - 5,2 V
High-pass filter	-	50 Hz - 500 Hz 500 Hz - 5 kHz-	50 Hz - 500 Hz 500 Hz - 5 kHz	50 Hz - 500 Hz 500 Hz - 5 kHz
Low-pass filter	50 Hz - 500 Hz	50 Hz - 500 Hz 500 Hz - 5 kHz	50 Hz - 500 Hz 500 Hz - 5 kHz	50 Hz - 500 Hz 500 Hz - 5 kHz
Band-pass filter	-	50 Hz - 500 Hz 500 Hz - 5 kHz	50 Hz - 500 Hz 500 Hz - 5 kHz	50 Hz - 500 Hz 500 Hz - 5 kHz
Subsonic filter	Variable from 20 to 50 Hz (24 dB/oct.) bypassable	-	-	-
Direct mode	yes	yes	yes	yes
Adjustable bass boost	0/+9 dB linear	-	0/+9 dB linear	-
Bass boost central frequency	45Hz	-	95Hz	-
Variable phase (SUB)	0-180° linéaire	-	-	-
Remote control	yes	-	yes	yes (channels 3-4)
Maximum cross section of power cable	35mm <sup>2</sup> / 2 AWG	35mm <sup>2</sup> / 2 AWG	35mm <sup>2</sup> / 2 AWG	35mm <sup>2</sup> / 2 AWG
Idle current	1,2 A	0,8 A	1,3 A	1,5 A
Fuses	2*40 A	2*30 A	2*50 A	2*40 A
Protections	Short-circuit Overheating (76°C) Soft clipping Overvoltage Reversal polarity	Short-circuit Overheating (78°C) Soft clipping Overvoltage Reversal polarity	Short-circuit Overheating (81°C) Soft clipping Overvoltage Reversal polarity	Short-circuit Overheating (80°C) Soft clipping Overvoltage Reversal polarity
Low noise ventilation system	yes (auto turn on at 50°C)	yes (auto turn on at 50°C)	yes (auto turn on at 50°C)	yes (auto turn on at 50°C)
Dimensions (H x W x D)	59 x 353 x 254 mm	59 x 353 x 254 mm	59x429x254mm	59x429x254mm



**FOCAL**  
The Spirit of Sound