

**Lab.gruppen FP 14000 230E 14000W 2-Ch Amplifier w NomadLink Network  
Monitoring/Dedicated Control for Touring Applications/230E**

Number of amplifier channels	2
Peak total output all channels driven	14000 W
Peak output voltage per channel	195 V
Max output current per channel	90 A peak
Max output power (all channels driven)	
2 ohms	7000 W
4 ohms	4400 W
8 ohms	2350 W
16 ohms	1200 W
Max output power bridged	
2 ohms	Not recommended 1
4 ohms	14000 W
8 ohms	8800 W
16 ohms	4700 W
Performance	
THD 20 Hz - 20 kHz at 1 W	<0.1%
THD at 1 kHz and 1 dB below clipping	<0.05%
Signal to Noise Ratio	>112 dBA
Channel separation (Crosstalk) at 1 kHz	>70 dB
Input impedance	20 kOhm
Output impedance @ 100 Hz	19 mOhm
Gain, Sensitivity and Limiters	
VPL, selectable per ch	195, 170, 140, 116, 100, 80, 66, 54 V
VPL, when bridged 2	390, 340, 280, 232, 200, 160, 132, 108 V
Voltage Peak Limiter mode (per ch.)	Hard / Soft
Amplifier gain selectable (all channels) - rear-panel switches 2	23, 26, 29, 32, 35, 38, 41, 44 dB
Default gain	38 dB
Level adjustment (per channel)	Front-panel potentiometer, 31 position detented from -inf to
Connectors and Buttons	
Input connectors (per ch.)	3-pin XLR, electronically balanced
Output connectors (per ch.)	Binding post
Output bridge mode	A+B - Ch. A is signal input source. A+B, C+D - Ch.'s A and C are input source
NomadLink network	On board, 2 x RJ45 connectors IN and OUT
Intelligent fans (on/off)	Yes, depending on presence of output signal
Power on/off and Remote enable on/off	Individual switches on front-panel
Cooling	Dual fan, front to rear airflow, no filter required, temperature controlled speed
Front-panel user interface	
Common	NomadLink Network; Power Average Limiter (PAL)4; Power on
Per channel	Signal present / High-impedance; -10 dB and -4 dB output signal; Voltage Peak Limiter (VPL); Current Peak Limiter (CPL); Very High Frequency (VHF); High temperature; Fault; Mute
Power	
Operating voltage, 230 V / 115 V nominal 3	130-265 V / 65 -135 V
Minimum power-up voltage, 230 V / 115 V	171 V / 85 V
Power Average Limiter (PAL)	Yes

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Soft-start / Inrush Current Draw	Yes / max. 5 A
Mains connector	230 V CE: 16 A, CEE7; 115 V ETL: 30 A Twist lock
Dimensions	
Dimensions	W: 483 mm (19"), H: 88 mm (2 U), D: 396 mm (15.6")
Weight	
Weight	12 kg (26.4 lbs)
Finish	
Finish	Black painted steel chassis with black painted steel / aluminum front
Approvals	
Approvals	CE, ANSI/UL 60065 (ETL), CSA C22.2 NO. 60065, FCC