

# Lab.gruppen C 16:4 230E 1600W 4-Ch Amplifier w NomadLink Network Monitoring/Dedicated Control for Install Applications/230E

Number of amplifier channels	4
Peak total output all channels driven	1600 W
Peak output voltage per channel	141 V
Max output current per channel	8.5 Arms
Max output power (all channels driven)	
16 ohms	400 W
8 ohms	400 W
4 ohms	300 W
2 ohms	140 W
Hi-Z per ch. (all ch.'s driven): 70 Vrms / 100 V peak	400 W
Hi-Z per ch. (all ch.'s driven): 100 Vrms / 141 V peak	400 W
Max output power bridged	
16 ohms	800 W
8 ohms	600 W
4 ohms	Not recommended 1
2 ohms	Not recommended 1
Bridged per ch.: 140 Vrms / 200 V peak	800 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
Frequency response (1 W into 8 ohms) + 0 / -3 dB	6.8 Hz - 34 kHz
Input impedance	20 kOhm
Common Mode Rejection (CMR)	>50 dB, 20 Hz - 20 kHz
Output impedance @ 100 Hz	30 mOhm
Gain, Sensitivity and Limiters	
VPL, selectable per ch 2	141, 118, 100, 85, 71, 59, 50, 42 V
VPL, when bridged 2 3	282, 236, 200, 170, 142, 118, 100, 84 V
Voltage Peak Limiter mode (per ch.)	Hard / Soft
Amplifier gain selectable (all channels) – rear-panel switches 3	23, 26, 29, 32, 35, 38, 41, 44 dB
Default gain	35 dB
Level adjustment (per channel)	Front-panel potentiometer, 21 position detented from -inf to
Connectors and Buttons	
Input connectors (per ch.)	3-pin Phoenix, electronically balanced
Output connectors (per ch.)	Barrier strip 2-pole screw terminals
Output bridge mode	A+B and/or C+D, inputs 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	Individual switches on front panel
Cooling	Two fans, front-rear airflow, temperature controlled speed
Front-panel user interface	
Common	NomadLink Network; Power Average Limiter (PAL)5; 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	130-265 V / 65 -135 V 4
Minimum power-up voltage, 230 V / 115 V	171 V / 85 V
Power Average Limiter (PAL) 5	Yes
Power Factor Correction (PFC)	No
Soft-start / Inrush Current Draw	Yes / max. 5 A
Mains connector	230 V CE: 16 A, CEE7; 115 V ETL: 15 A / NEMA 5-15P
Dimensions	
Dimensions	W: 483 mm (19"), H: 88 mm (2 U), D: 343 mm (13.5")
Weight	
Weight	12 kg (26.4 lbs)
Finish	
Finish	Black painted steel chassis with gray painted steel front
Approvals	
Approvals	CE, ANSI/UL 60065 (ETL), CSA C22.2 NO. 60065, FCC