Duecanali Series

2 Channel Power Amplifier for High Performance Installed Sound Systems

☐ Touring
☑ Installation

2 lo-Z hi-Z channels

SRM

PFC

1U

Designed for long-term safe and reliable operation, the Duecanali Series suits both low impedance and constant voltage systems equally well.

Duecanali Series amplifiers are widely similar Powersoft's K Series, which has acclaimed top-level reputation in the ever-demanding domain of touring sound systems.

Excellent sound quality and ample output power result from Powersoft's unique approach to Class D amplification, making the Duecanali Series ideal for the main system in any venue where performance is priority.

Providing access to all relevant amplifier parameter yet easily set up, the Duecanali Series is versatile in use, providing status feedback via its front panel display or a connected PC running Armonía Pro Audio Suite™ software.

Powersoft's legendary efficiency saves valuable energy, keeping both operational cost and 'carbon footprint' at a minimum: the Duecanali Series shines with outstandingly low power consumption and heat dissipation, with direct positive effects on investment and recurring cost from AC mains supply and air conditioning/ cooling systems – not to mention the benefits for a sustained environment and a more eco-friendly planet.

- Medium to Large-scale venues
- Main systems, central or distributed, subwoofers, hi-Z/lo-Z
- Stadiums, arenas
- Theaters, concert halls
- Houses of worship
- Convention centers
- Amusement parks, themed entertainment
- Cruise ships

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Specifications

Channel Handling		
Number of output channels	2 Hi-Z or Lo-Z (bridgeable per ch. pair)	4 x 2-pin Phoenix type GMSTB2.5/2-ST
Number of input channels		
Analog	2	Phoenix MC 1,5/12-ST-3,81

Audio				
Gain	26 dB	29 dB	32 dB	35 dB
3904 Input sensitivity @ 8 Ω	4.48 V	3.17 V	2.25 V	1.59 V
5204 Input sensitivity @ 8 Ω	5.30 V	3.75 V	2.66 V	1.88 V
Max input level	27 dBu	24 dBu	21 dBu	18 dBu
Frequency Response (±0.5 dB , 1 W @ 8 Ω)			20 Hz - 20 kHz	
Crosstalk (1 kHz)			typical -70 dB	
S/N (20 Hz - 20 kHz A-Weighted @ 8 Ω)			> 110 dB	
Input impedance			10 kΩ balanced	
THD+N (from 0.1 W to Full Power)			< 0.2% (typical < 0.05%)	
Slew Rate (input filter bypassed @ 8 Ω)			> 50 V/µs	
Damping Factor @ 8 Ω, 20 Hz - 100 Hz			> 500	

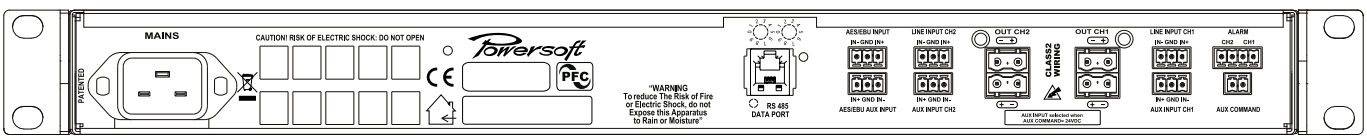
Thermal			
Cooling	Low noise fan, continuously variable speed, temperature controlled, front to rear airflow		
Operating Temperature	0° - 35° C / 32° - 95° F		
Thermal dissipation			
3904 Idle	382 BTU/h	96 kcal/h	
3904 1/8 Max Output Power @ 4 Ω	722 BTU/h	182 kcal/h	
3904 1/4 Max Output Power @ 4 Ω	1,062 BTU/h	268 kcal/h	
5204 Idle	382 BTU/h	96 kcal/h	
5204 1/8 Max Output Power @ 4 Ω	836 BTU/h	211 kcal/h	
5204 1/4 Max Output Power @ 4 Ω	1,390 BTU/h	326 kcal/h	

Output Stage	3904	5204
Maximum output power per channel @ 8 Ω	1000 W	1400 W
Maximum output power per channel @ 4 Ω	1950 W	2600 W
Maximum output power per channel @ 2 Ω	2400 W	2800 W
Maximum output power @ 4 Ω Bridged	4800 W	5600 W
Maximum output power @ 8 Ω Bridged	3900 W	5200 W
Maximum output power @ Hi-Z distributed line 100 V	2400 W	2400 W
Maximum output power @ Hi-Z distributed line 70 V	1800 W	1800 W
Maximum unclipped output voltage @ 8 Ω	140 V_{peak}	165 V_{peak}
Maximum output current	102 A_{peak}	75 A_{peak}

The power figure is calculated by driving and loading symmetrically all the channels: uneven loads allow to achieve higher performances.

AC Mains Power				
Power supply	Universal input, regulated output, PFC, overvoltage tolerant, SRM			
Nominal voltage (±10%)	100-240 V @ 50-60Hz			
Power factor (> 500 W ouput)	> 0.95			
Consumption/current draw	@ 115 V		@ 230 V	
3904 Idle	64 W	1.12 A	75 W	1.3 A
3904 1/8 Max Output Power @ 4 Ω	609 W	6.3 A	609 W	3.1 A
3904 1/4 Max Output Power @ 4 Ω	1219 W	11.4 A	1219 W	5.7 A
5204 Idle	64 W	1.12 A	75 W	1.3 A
5204 1/8 Max Output Power @ 4 Ω	609 W	8 A	813 W	4 A
5204 1/4 Max Output Power @ 4 Ω	1219 W	14.8 A	1625 W	7.4 A
AC Mains connector	IEC C20 inlet (20 A max) region-specific power cord provided			

Construction	
Dimensions	483 x 44.5 x 360 mm 19.0 x 1.75 x 14.2 in
Weight	8 Kg (17.7 lb)



Powersoft S.p.A.
Via Enrico Conti, 5 - 50018 Scandicci (FI) Italy
Tel: +39 055 735 0230 - Fax: +39 055 735 6235
www.powersoft-audio.com