ideato,
progettato,
costruito
in Italia

THESIS

THESIS
HV venti

Hi-Res AUDIO

POWER SUPPLY		
Power supply voltage:	11 ÷ 16 VDC	
Idling current when off:	0.006 mA	
Minimum idling current: Low BIAS High BIAS Consumption @ 13.8 VDC	Hi Curr. 4.2A 6.5A 90A(1Ω)	Hi Pow. 5.6A 10.4A 100A(2Ω)

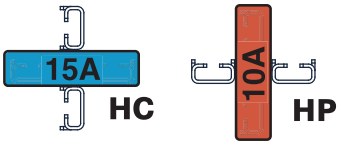
AMPLIFIER STAGE		
Distortion - THD (1kHz):	<0.05%	
Distortion - IMD (IHF):	<0.05%	
Bandwidth (-3 dB):	4Hz ÷ 75 kHz	
S/N Ratio (A weighed @1 V):	100 dB	
Damping factor (1kHz, 4 Ohms):	80	
Slew rate	>20V/µs	
Input sensitivity (high):	0.25 ÷ 1.6 VRMS	
Input sensitivity (low):	1 ÷ 7 VRMS	
Input impedance:	22 kΩ	
Load impedance: Stereo Mono	Hi Curr. 4 - 2 - 1Ω 4 - 2ль	Hi Pow. 4 - 2Ω 4ль
OUTPUT POWER (RMS) @13.8 VDC; THD 1%:		
Load (dual power) 2ch 4Ω 2ch 2Ω 2ch 1Ω Mono 4Ω Mono 2Ω	Hi Curr. 200W 400W 650W 800W 1300W	Hi Pow. 400W 800W - 1600W -

MAX SIZE (L x H x D):	510 x 85 x 280 mm - 20 x 3.3 x 11 in.
WEIGHT:	15 Kg

1. Exclusive circuitry IGBT (Insulated Gate Bipolar Transistor).
2. A Class preamplifier, intermediate stages and drivers.
3. Dual Mono construction featuring four power supplies in Synchro-PWM configuration.
4. Made exclusively with discrete components.
5. Signal switching made exclusively with relays.
6. Fully balanced input circuit.
7. Power supply on separate board to eliminate interference.
8. 'Dual Power' function to switch between Hi-Current and Hi-Power.
9. 'Bias Selector' function to change the percentage in A Class.
10. High quality crossover module supplied.
11. 5 mm aluminium chassis connecting two side cooling ducts.

FILTERS / INPUTS	
Pre IN: Pre OUT (pre in bypass):	L/R (ABS) L/R (ABS)
Crossover frequencies	High pass & Low pass stereo 45 - 55 - 65 - 80Hz, 12dB/oct. Lo-pass mono 45 - 55 - 65 - 80Hz, 24dB/oct.

OTHER FUNCTIONS	
Remote In:	7 ÷ 16 VDC - 1 mA
Demo mode ext. supply:	12 VDC - 600 mA
Ext. Cap terminals:	18 VDC cap min
Fuse (strip):	100 A



DUAL POWER CONFIGURATION
In order to set the amplifier in Hi Power or Hi Current mode you need to change position of the four minifuses located on four jumpers that are next to each transformer.

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