

THESIS

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HV venti



POWER SUPPLY		
Power supply voltage:	11 ÷ 16 VDC	
Idling current when off:	0.006 mA	
Minimum idling current:	Hi Curr.	Hi Pow.
Low BIAS	4.2A	5.6A
High BIAS	6.5A	10.4A
Consumption @ 13.8 VDC	90A(1Ω)	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:	Hi Curr.	Hi Pow.
Stereo	4 - 2 - 1Ω	4 - 2Ω
Mono	4 - 2Ω	4Ω
OUTPUT POWER (RMS) @13.8 VDC; THD 1%:		
Load (dual power)	Hi Curr.	Hi Pow.
2ch 4Ω	200W	400W
2ch 2Ω	400W	800W
2ch 1Ω	650W	-
Mono 4Ω	800W	1600W
Mono 2Ω	1300W	-

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:	L/R (ABS)
Pre OUT (pre in bypass):	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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