

THESIS

TH due

1500W Power Amplifier
Stereo Power Amplifier




ideato,
progettato,
costruito
in Italia

Power Supply

Voltage:	11 ÷ 15 VDC
Idling current (@ Dual Power Setting):	2.0 ÷ 7.4 A
Idling current when off:	0.04 mA
Consumption @ 14.4 VDC, 1 Ω,	
Max Musical Power:	105 A
Remote In:	7 ÷ 15 VDC (1 mA)
Remote Out:	12 VDC (20 mA)
Fuse (AFS):	100 A

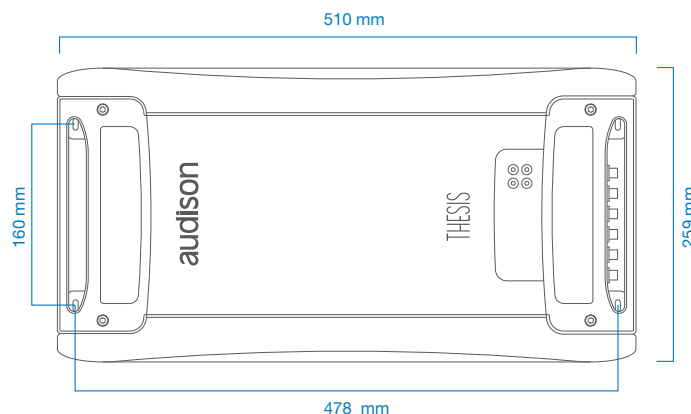
Amplifier stage

Distortion - THD @ 1 kHz, 4 Ω; 90% Power:	0.02 %
Bandwidth @ -3 dB, 2 VRMS, 4 Ω:	5 ÷ 70k Hz
S/N ratio @ A weighted, 1 V, Max Power:	106 dBA
Damping factor @ 1 kHz, 2 VRMS, 4 Ω:	100
Pre-In sensitivity:	0.3 ÷ 4.8 VRMS
Pre-In impedance:	15 kΩ
Load impedance (Min @ Dual Power Mode - Hi-Current):	
• 2 Ch	1 Ω
• 1 Ch	2 Ω

Nominal power (RMS) @ 12 VDC, 1% THD	
Dual Power Mode - Hi-Current:	
• 2 Ch @ 4 Ω	230 W x 2
Dual Power Mode - A Class:	
• 2 Ch @ 4 Ω	55 W x 2
Output power (RMS) @ 14.4 VDC, 1% THD:	
Dual Power Mode - Hi-Current:	
• 2 Ch @ 4 Ω	300 W x 2
• 2 Ch @ 2 Ω	500 W x 2
• 2 Ch @ 1 Ω	750 W x 2
• 1 Ch @ 4 Ω	1000 W x 1
• 1 Ch @ 2 Ω	1500 W x 1
Dual Power Mode - A Class:	
• 2 Ch @ 4 Ω	80 W x 2

CEA SPECIFICATION

Output power @ 4 Ω, 1% THD+N, 14.4 V:	300 W x 2 Ch
SN ratio (ref. 1 W output):	80 dBA



Other functions

ASC (Audison Status Controller) FUNCTIONS

AMP IDentifications, DUAL POWER settings,
AD Link inputs, AC Link digital bus, DRC controls,
ACNet software, Status Monitor, Protections

Inputs/Outputs/Filters

Inputs:	PRE - S/PDIF (Max 192 kHz / 24 bit) Optical and AD Link
Outputs:	PRE Bypass / AD Link
Filters:	Removable kit: (Hi-pass / Lo-pass / Bandpass 12/24dB) 32 steps 18 ÷ 7.5k Hz with 8 standard & 2 customizable modules

Size

Max size (mm/inches):	259 x 510 x 67 / 10 ^{n1/4} x 20 ^{n1/8} x 2 ^{n11/16}
Weight (kg/lb):	10,3 / 22.71