ZENITH Series

Power amplifiers with switching mode power supply

This series of power amplifiers with switching power supply provides power with a high degree of integration of the signal and high output power in a range of reduced weight.

They incorporates LLC circuit (resonance circuit), specially designed for high power output amplifiers which provides an efficient power, reducing their influence on the amplifier. In front of fluctuations of the load, the amplifier incorporates an ultra-fast response technology that provides a high slew rate, useful for amplifiers of high power levels.

Tehy let operate with both balanced signals (XLR and ¼ "jack) and unbalanced (RCA). It has input sensitivity selector to match the amplifier to the requirements of the installation.

It also disposes of three operating modes: Stereo, Bridge and Parallel, allowing significantly enhance the usability and flexible installation.

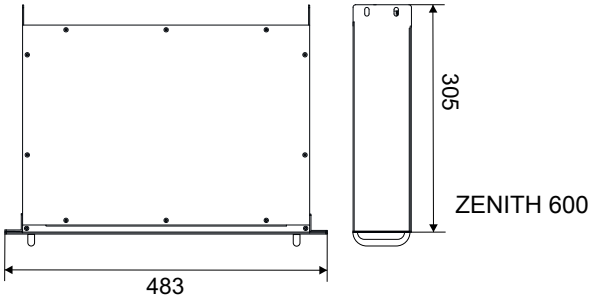
The stages of **ZENITH** series also include a bass enhancer that can be enabled when the circumstances require action.

Specifications

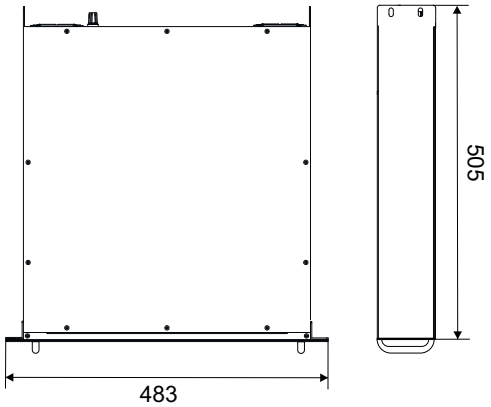
- Power amplifier with switching mode power supply.
- LLC resonant circuit to avoid undesirable frequencies coming from the main supply.
- Operating mode selector: Stereo, bridge or parallel.
- Sensitivity input selector: 26 dB/32 dB.
- Low frequency enhancer switch.
- Optimum operating load at 2 Ω.
- Protection from overload, overheat, short circuits, DC and continuous high frequency signals.

Dimensions

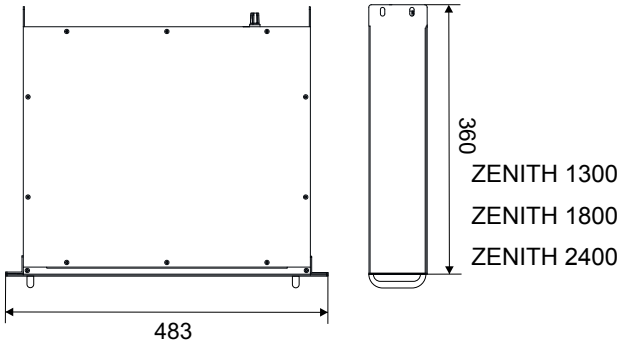
* In mm.



ZENITH 600



ZENITH 6000



ZENITH 1300
ZENITH 1800
ZENITH 2400

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ZENITH Series

Rear View

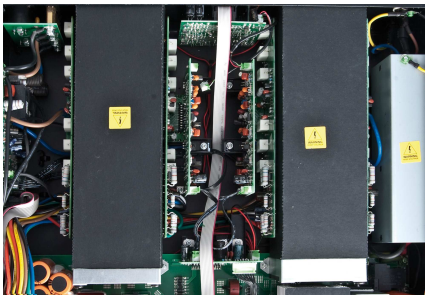
ZENITH 600 /ZENITH 1300

ZENITH 1800 /ZENITH 2400

ZENITH 6000

ZENITH 6000

Inner View



Specifications

TECHNICAL DATA	ZENITH 600	ZENITH 1300	ZENITH 1800	ZENITH 2400	ZENITH 6000
Nº of input channels:	2.	2.	2.	2.	2.
Nº of output channels:	2.	2.	2.	2.	2.
Power output 8 Ω stereo:	200 W x 2.	310 W x 2.	450 W x 2.	600 W x 2.	1200 W x 2.
Power output 4 Ω stereo:	300 W x 2.	500 W x 2.	750 W x 2.	1000 W x 2.	2000 W x 2.
Power output 2 Ω stereo:	450 W x 2.	600 W x 2.	1000 W x 2.	1250 W x 2.	3000 W x 2.
Power output 8 Ω bridge:	600 W.	1000 W.	1500 W.	2000 W.	4100 W.
Power output 4 Ω bridge:	850 W.	1200 W.	2000 W.	2600 W.	6200 W.
Power output 8 Ω parallel:	200 W.	310 W.	450 W.	600 W.	1200 W.
Frequency Response:	20 Hz – 20 kHz.	20 Hz – 20 kHz.	20 Hz – 20 kHz.	20 Hz – 20 kHz.	20 Hz – 20 kHz.
THD+N:	<0,05%.	<0,05%.	<0,05%.	<0,05%.	<0,1%.
S/N ratio:	>100 dB.	>100 dB.	>100 dB.	>100 dB.	>80 dB.
Damping Factor:	>150.	>200.	>250.	>200.	>200.
Dynamic Range:	>80 dB.	>80 dB.	>80 dB.	>80 dB.	>70 dB.
Gain:	26 dB/32 dB.	26 dB/32 dB.	26 dB/32 dB.	26 dB/32 dB.	26 dB/32 dB/38 dB.
Input Impedance:	20 kΩ balanced, 10 kΩ unbalanced	20 kΩ balanced, 10 kΩ unbalanced	20 kΩ balanced, 10 kΩ unbalanced	20 kΩ balanced, 10 kΩ unbalanced	20 kΩ balanced, 10 kΩ unbalanced
Input sensitivity:	2,2 V / 1,05 V 9,06 dBu / 2,64 dBu.	2,48 V / 1,244 V 10,10 dBu / 10,65 dBu.	3,1 V / 1,55 V 12,04 dBu / 6,02 dBu.	3,46 V / 1,73 V 13 dBu / 6,97 dBu.	0,775 V / 1,0 V / 32 dB.
Rear panel connectors:	2 x ¼" Jack -XLR3 (Input) 2 x XLN4 (output)/1xIEC(supply).	2 x ¼" Jack -XLR3 (Input) 2 x XLN4 (output)/1xIEC (supply).	2 x ¼" Jack -XLR3 (Input) 2 x XLN4, 4 x Binding Post (output)/1xIEC (supply).	2 x ¼" Jack -XLR3 (Input) 2 x XLN4, 4 x Binding Post (output)/1xIEC (supply).	2 x XLR3 (Input/link) 2 x XLN4, 4 x Binding Post (output)/1xIEC (supply).
Protections:	Overheat, VHF, Short circuit, AC lower, DC Potection, CLIP/Limit.				
Mains supply:	AC 180-260 V, 60/50 Hz.	AC 180-260 V, 60/50 Hz.	AC 180-260 V, 60/50 Hz.	AC 180-260 V, 60/50 Hz.	AC 220 V, 50 Hz.
Dimensions (HxWxD):	483 x 88 x 305 mm.	483 x 88 x 360 mm.	483 x 88 x 360 mm.	483 x 88 x 360 mm.	483 x 88 x 505 mm.
Weight:	6 kg.	8,75 kg.	11 kg.	11,1 kg.	14,3 kg.

Rev. 12.07.01