V64

V-Series Power Amplifer

Features:

- Easily drives reactive phase shifted loads
- Advanced protection schemes including DC voltage load, thermal and breaker protection
- User-defeatable peak limiter that is transparent below clipping levels
- 'Soft turn-on' circuit eliminates damage to loudspeakers and prevents nuisance breaker-tripping
- Computer-optimized Silentfan™ front-to-rear cooling system
- Long-life, faceplate-mounted, user serviceable air intake filters
- Front panel power, Protect, Activity and Clip LED's
- Speakon™ outputs
- Balanced XLR & 1/4" TRS balanced inputs & parallel thru-puts
- Sturdy all-steel construction

Description:

Designed specifically to meet the demands created driving subwoofers in heavy-duty live sound reinforcement touring systems and large-scale installations, the VTC ProAudio V64 power amplifier uses a proven Class-H topology to deliver reliable, high headroom output power. Engineered for VTC ProAudio by Yorkville Sound and manufactured at their Canadian factory, V-Series amplifiers are the culmination of Yorkville's forty-plus years of professional audio design expertise and manufacturing experience.

Engineered with a low noise signal path and a high current, reduced stray magnetic field toroidal transformer to reduce potential hum and noise, the multi -tier power conversion design delivers superior transient response and low measured distortion - equal to the best of analog amplifier design.

An 'impedance aware' design deals with the realities of driving typical reactive speaker loads and addresses the associated problems such as thermal shutdown, inductive 'snap-back', and premature current limiting. V-Series amplifiers will easily drive reactive phase shifted loads while remaining fully protected against accidental short circuits.

An advanced protection scheme ensures the loudspeaker won't experience harmful DC offset voltages while protecting the amplifier from abnormal load, AC power brownout, and high temperature failures. A user-defeatable transparent peak limiter lowers distortion at high power operating conditions, and provides ample protection for the loudspeaker's components. A 'soft turn-on' circuit eliminates transient damage to connected loudspeaker systems and prevents nuisance circuit breaker-tripping during the amplifier's power up procedure.

The computer-optimized (Silentfan™) front-to- rear cooling system incorporates ultra-quiet, variable-speed internal fans ensuring that the output power transistors operate with ample thermal margin. For ease of maintenance the amplifiers are supplied with long-life, faceplate-mounted, user serviceable, air intake filters. Front panel Power, Protect, Activity and Clip LED's are bright and easy to see and all knobs are recessed for safe, easy transportation.

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Delivering 2000 continuous watts per channel (3625 watts burst) at 4 Ohms, the VTC ProAudio V64 is the ideal solution for powering ELS212 subwoofers in touring systems or fixed installations. A massive high-current toroidal transformer and ample filter capacitance used along with the Class-H topology ensures maximum energy conversion to the loudspeaker. Manufactured using only high quality components the VTC V64 delivers high headroom and increased fidelity with extremely low noise, making it ideally suited for a wide variety of high-power applications.

VTC PRO AUDIO

Specifications:

Amplifier Topography	Class-H
Continuous Average Power @ 8 Ohms	1250 Watts (x2) Both Channels Driven
Continuous Average Power @ 4 Ohms	2000 Watts (x2) Both Channels Driven
Burst Average Power @ 8 Ohms	2000 Watts (x2) Both Channels Driven
Burst Average Power @ 4 Ohms	3625 Watts (x2) Both Channels Driven
Frequency Response (+/- 1dB)	20-20,000 Hz
Hum and Noise (un-weighted / A-weighted)	-106dB / -109 dB
THD (1 kHz @ 4 Ohms)	0.01%
THD (20Hz-20 kHz @ 4 Ohms)	less than 0.1%
Slew Rate	50 V/uS
Damping Factor (30 Hz - 400 Hz @ 8 Ohms)	600
Crosstalk (1kHz / 20Hz-20kHz)	-75 / -60 dB
Input Impedance - Balanced/Unbal anced	20,000/10,000 Ohms
Input Sensitivity For Full Power Out	2.2Vrms
Max Voltage Gain	32 dB
CMRR @ 60Hz (min/typical)	48/56 dB
Protection	DC, Load, Thermal, Peak Limiter
High Pass Filter	40Hz, 12dB per Octave
Inputs - XLR	2
Inputs - 1/4" Jacks	2
Speakon Outputs	2 (Channel 1, Channel 2)
Power Consumption (typical/max)	1800/3000 Watts
Rack Spaces	3
Transformer Type	Toroidal
Dimensions (DWH /D fm ears, inches)	19 x 18.5 x 25 x 18.2
Dimensions (DWH /D fm ears, cm)	48.3 x 47 x 13.3 x 46.2
Weight (lbs / kg)	66.1 / 30

Specifications subject to change without notice.