



Sonamp® Power Amplifiers

275 SE Series

Sonamp® 275 SE Series Amplifiers

The new Sonamp® 275 SE (Sound Enhancement) amplifiers include a factory-installed Sonance BBE® Sound Enhancement SAT (Smart Amplifier Technology) module. The BBE process improves presence and detail of speakers, especially at lower listening volumes. This makes it particularly effective at improving the sound quality of distributed audio systems playing background music. BBE restores clarity and definition (or focus) to spoken voices, making paging systems easier to understand without having to run them at high volumes. The BBE process is so effective that it can even compensate for inferior sound from poor-quality source material or compressed sources like MP3, etc. In addition to manual control, the BBE effect can also be triggered on/off and the effect amount changed (+6dB or +9dB) by an external control voltage.

Features:

- Factory-installed BBE SAT module in all versions
- High-current amplifier topology that can operate at 2.66 ohms
- Auto-resetting thermal protection shutoff; inrush current-limiting circuit; active current limit, short-circuit and speaker protection
- Defeatable auto-on signal sensing with adjustable turn-on delay (2, 4, 6, 8, 12 seconds)
- Bridge/mono switch (not available on 275X3 SE)
- Defeatable high-pass filter to protect in-wall volume controls
- Tamper-resistant, recessed input level and auto-on sensitivity controls; recessed power switch prevents accidental turn-off
- Signal present LEDs and protect/clipping LEDs for easy level setup
- 275X3 SE has 3 built-in speaker switches and connections for 3 pairs of speakers.
- Available versions: 275 SE / 275 SE RMF, 275X3 SE / 275X3 SE RMF, 275 SE (230V) / 275 SE RMF (230V)

Specifications

Rated Power (20Hz – 20kHz) RMS:	75 Watts per channel @ 8 ohms 125 Watts per channel @ 4 ohms 135 Watts per channel @ 2.7 ohms
Bridged Power (20Hz – 20kHz) RMS:	250 Watts @ 8 ohms (275 SE only)
Midband Power (1kHz, at Clipping) RMS:	114 Watts per channel @ 8 ohms 140 Watts per channel @ 4 ohms 168 Watts per channel @ 2.7 ohms
Bridged Midband Power (1kHz) RMS:	270 Watts @ 8 ohms (275 SE only)
IHF Dynamic Power (20ms 1kHz Tone Burst) per IHF RS-490/3.2:	120 Watts per channel @ 8 ohms 194 Watts per channel @ 4 ohms 239 Watts per channel @ 2.7 ohms
IHF Dynamic Headroom	+1.75 dB @ 8 ohms +1.9 dB @ 4 ohms +2.5 dB @ 2.7 ohms
Total Harmonic Distortion (2-channel mode):	0.05% 20Hz – 20kHz @ 8 ohms 0.08% 20Hz – 20kHz @ 4 ohms 0.15% 20Hz – 20kHz @ 2.7 ohms
Total Harmonic Distortion (Bridged mode):	0.05% 20Hz – 20kHz @ 8 ohms
I.M. Distortion (SMPTE 4:1) @ 8 ohms:	0.008% @ 1 watt 0.015% @ 75 watts
Signal to Noise Ratio:	105dB below rated output (A-weighted)
Input Sensitivity:	0.7 volts for rated output (75 watts @ 8 ohms)
Input Impedance:	47k ohms, Min.
BBE Effect Level:	+9dB/+6dB/OFF
Power Requirement (120V versions):	120 VAC, 50/60Hz
Power Requirement (230V versions):	230VAC 50/60Hz
Power Consumption (all versions):	500 watts (625VA)
Heat Output (at Full Power):	1330 BTU
Dimensions (W x H x D):	16¾" x 3 7/8" x 15¼" (425mm x 98mm x 387mm)
Dimensions (W x H x D): Rack-Mount Version	19" x 3½" x 15¼" (483mm x 89mm x 387mm)
Shipping Weight:	24 lbs (10.9 kg)



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