



PRECISION SERIES

compact amplifiers



audio performance • high-efficiency • reliability • lightweight

HIGH-EFFICIENCY AUDIO PERFORMANCE

ELECTRO-VOICE® - WORLD-CLASS POWER AMPLIFIERS

Electro-Voice® is a preeminent professional audio manufacturer with over 75 years of experience in the design and manufacture of loudspeakers and microphones. But many are not aware that Electro-Voice® also has more than 50 years of expertise in the design and manufacture of high performance professional power amplifiers. EV's unwavering commitment to become the

benchmark in professional amplifier design has positioned Electro-Voice® as the "gold standard" of amplification for stadiums, arenas, theatres, discotheques and clubs around the globe. EV power amplifiers have also become ubiquitous in top concert sound and professional installation projects worldwide, due to their sonic purity and extreme reliability.

PRECISION SERIES COMPACT AMPLIFIERS - HI-EFFICIENCY IN A LIGHT & COMPACT FORMAT

EV's Precision Series™ Linear Amplifiers - including the legendary flagship P3000 - established EV amplifiers' reputation for outstanding audio performance and reliability in demanding audio applications throughout the 1990s. The Precision Series™ Compact Amplifier line now offers the same performance and

reliability level in a new compact, lightweight format. This is made possible by incorporating a highly efficient Class-H design, which results in substantially less heat generation. This allows a substantial reduction in the overall size of the amplifier without sacrificing performance or reliability.

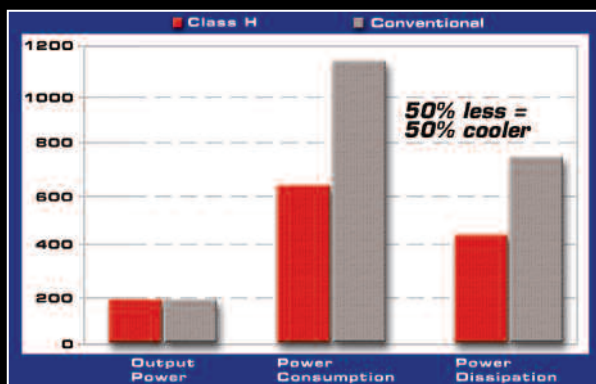
HOW IT WORKS - INNOVATIVE ENGINEERING

Rather than supplying the voltage for the maximum output power permanently, in EV's Class H design the permanent voltage rail is designed to cover the average music signal. If dynamic peaks require a higher output voltage, the voltage rail is switched to the maximum. This process saves nearly 50% of the power consumption found in conventional amplifier design and results in a dramatic reduction in heat output. But the real test in a successful

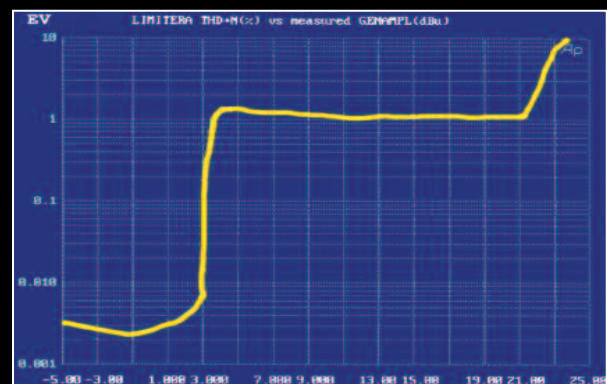
Class-H design is the ability to make the voltage switching totally transparent to the user. This is where EV's amplifier engineering excellence makes the difference over other so-called "Class-H" designs. Ultimately, EV Precision Series™ Compact Amplifiers set the new standard in Class-H design, whilst meeting the high expectations EV set for the original Precision Series™ models. Take a listen: The audio performance speaks for itself.

UNIQUE PERFORMANCE - UNMATCHED RELIABILITY

- Five models ranging from 2 x 600 W to 2 x 2100 W
- High precision detent front controls
- EV's Legendary Precision Series™ sound
- Dynamic audio limiter
- 30% Dynamic Headroom
- Robust construction & reliable design, made in Germany
- Class-H Design for less heat dissipation
- Unique protection package including Back-EMF
- Very light and compact format protection



A conventional amplifier design has nearly double the power consumption and requires double the power dissipation of EV's Class-H design for equivalent output power. The Precision Series™ Compact Amplifier runs much cooler even under adverse conditions.



The THD of the amplifier is limited to a maximum of 1% for signals up to +21dBu. Even if overdriven, the amplifier will not create any objectionable "clipping signal effects" that are so fatal to speaker components.

CP 4000 S



The flagship of the Precision Series™ Compact Amplifier line. Equipped with switch mode power supply, it can deliver maximum output power of 2 x 2100 watts into 2 Ohms and 2 x 1500 watts into 4 Ohms from an 8.7 kg package. Its state-of-the-art audio circuitry predestines this amplifier for both the most demanding subwoofer applications and for precise high power drive for mid/hi speaker cabinets.

CP 3000 S



The lightweight workhorse of CP Series performs with 2 x 1600 watts into 2 Ohms and 2 x 1100 watts into 4 Ohms load — at only 8.15 kg in weight due to its switch mode power supply. Its reliability, coupled with its pleasing, rich sound makes it the first choice for high power full-range and mid/hi-cabinets.

CP 2200



With up to 2 x 1100 watts into 2 Ohms and 2 x 800 watts into 4 Ohms, the CP 2200 is not only a perfect complement to many full-range speaker cabinets, but also mid- and hi-frequency components in larger concert-sound systems. The CP 2200 utilizes a conventional transformer power supply, but still weighs only 16 kilograms.

CP 1800



Supplies up to 2 x 900 watts into 2 Ohms and 2 x 600 watts into 4 Ohms. Dedicated for smaller size full-range speaker systems and hi-frequency components in multi-way systems. The CP 1800 utilizes a conventional transformer power supply.

CP 1200



With up to 2 x 600 watts into 2 Ohms and 2 x 400 watts into 4 Ohms, the CP 1200 is dedicated for small full-range cabinets and individual hi-frequency components in multiway systems. The CP 1200 utilizes a conventional transformer power supply.

SPECIFICATIONS



	CP 4000 S			CP 3000 S			CP 2200			CP 1800			CP 1200		
LOAD IMPEDANCE:	2 Ohms	4 Ohms	8 Ohms	2 Ohms	4 Ohms	8 Ohms	2 Ohms	4 Ohms	8 Ohms	2 Ohms	4 Ohms	8 Ohms	2 Ohms	4 Ohms	8 Ohms
MAXIMUM MIDBAND OUTPUT POWER THD = 1%, 1 kHz, Dual Channel	2100 W	1500 W	900 W	1600 W	1100 W	600 W	1100 W	800 W	500 W	900 W	600 W	350 W	600 W	400 W	
RATED OUTPUT POWER THD = 0,1 %, 20 Hz ... kHz	-	1200 W	600 W	-	900 W	450 W	-	700 W	350 W	-	500 W	250 W	-	300 W	
MAX. SINGLE CHANNEL OUTPUT POWER Dynamic Headroom, IHF-A	2900 W	1800 W	1000 W	2600 W	1400 W	720 W	2200 W	1200 W	625 W	1450 W	850 W	450 W	1100 W	580 W	
MAXIMUM BRIDGED OUTPUT POWER THD = 1%, 1 kHz	-	4200 W	3000 W	-	3200 W	2200 W	-	2200 W	1600 W	-	1800 W	1200 W	-	1200 W	
MAXIMUM RMS VOLTAGE SWING THD = 1%, 1 kHz	95 V			78 V			72 V			62 V			50 V		
POWER BANDWIDTH THD = 1%, 1 kHz, half power @ 4	10 Hz ... 60 kHz														
VOLTAGE GAIN ref. 1 kHz	32.0 dB														
INPUT SENSITIVITY Rated power @ 8 , 1 kHz	+7.0 dBu (1.74 Vrms)			+5.8 dBu (1.51 Vrms)			+4.7 dBu (1.33 Vrms)			+3.2 dBu (1.12 Vrms)			+1.15 dBu (0.88 Vrms)		
THD @ rated output power	< 0.05 %														
IDE-SMTP 60 Hz, 7kHz	< 0.02 %														
DIM30 3.15 kHz, 15 kHz	< 0.05 %			< 0.05 %			< 0.01 %			< 0.01 %			< 0.01 %		
MAXIMUM INPUT LEVEL	+22 dBu (9.76 Vrms)														
CROSSTALK ref. 1 kHz, rated output power	< -80 dB														
FREQUENCY RESPONSE ref. 1 kHz	15 Hz ... 40 kHz (±1dB)														
INPUT IMPEDANCE active balanced	20 kΩ														
DAMPING FACTOR 1 kHz	> 300														
SLEW RATE	38 V/μs			35 V/μs			35 V/μs			30 V/μs			25 V/μs		
SIGNAL TO NOISE RATIO (A-weighted)	108 dB			107 dB			107 dB			105.5 dB			103.5 dB		
POWER REQUIREMENT	240V, 230V, 220V, 120V or 100V ; 50 ... 60 Hz (factory configured)														
POWER CONSUMPTION	1070 W			820 W			660 W			500 W			600 W		
PROTECTION	Audio Limiters, High Temperature, DC, HF, Back-EMF, Peak current Limiters, Inrush Current Limiters, Turn-On delay														
COOLING	Front to Rear, 3-stage Fans														
DIMENSIONS (W x H x D)	483mm x 88.1mm x 368.8mm														
WEIGHT	8.70 kg			8.15 kg			16 kg			15 kg			13.5kg		
OPTIONAL ACCESSORY	Rear-rackmount 15,5": 112930 (RMS15-CL), Rear-rackmount 18": 112933 (RMS18-CL)														

Note: all measurements both channels driven into 8 Ohms unless otherwise specified.

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