

# TECHNICAL SPECIFICATIONS

Model	K20	K10	K8	K6	K3	K2	M50Q	M28Q	M30D	M20D	M14D
<b>Power @ 2 Ω</b>	2 x 9,000 W	2 x 6,000 W	2 x 4,800 W	2 x 3,600 W	2 x 2,800 W	2 x 2,400 W	-	-	-	-	-
<b>Power @ 4 Ω</b>	2 x 5,200 W	2 x 4,000 W	2 x 3,000 W	2 x 2,500 W	2 x 2,600 W	2 x 1,950 W	4 x 1,250 W	4 x 700 W	2 x 1,500 W	2 x 1,200 W	2 x 700 W
<b>Power @ 8 Ω</b>	2 x 2,700 W	2 x 2,000 W	2 x 1,500 W	2 x 1,300 W	2 x 1,400 W	2 x 1,000 W	4 x 750 W	4 x 360 W	2 x 900 W	2 x 600 W	2 x 360 W
<b>Mono-bridged @ 4 Ω</b>	1 x 18,000 W	1 x 12,000 W	1 x 9,600 W	1 x 7,200 W	1 x 5,600 W	1 x 4,800 W	-	-	-	-	-
<b>Mono-bridged @ 8 Ω</b>	1 x 10,400 W	1 x 8,000 W	1 x 6,000 W	1 x 5,000 W	1 x 5,200 W	1 x 3,900 W	2 x 2,500 W	2 x 1,400 W	1 x 3,000 W	1 x 2,400 W	1 x 1,400 W
<b>Max Output Voltage</b>	225 V <sub>peak</sub>	200 V <sub>peak</sub>	169 V <sub>peak</sub>	153 V <sub>peak</sub>	165 V <sub>peak</sub>	140 V <sub>peak</sub>	135 V <sub>peak</sub>	85 V <sub>peak</sub>	135 V <sub>peak</sub>	116 V <sub>peak</sub>	85 V <sub>peak</sub>
<b>Max Output Current</b>	125 A <sub>peak</sub>	125 A <sub>peak</sub>	125 A <sub>peak</sub>	125 A <sub>peak</sub>	102 A <sub>peak</sub>	102 A <sub>peak</sub>	65 A <sub>peak</sub>	60 A <sub>peak</sub>	65 A <sub>peak</sub>	65 A <sub>peak</sub>	65 A <sub>peak</sub>
<b>Current Draw @ 230 V*</b>	79 A	6.1 A	4.8 A	4.1 A	4.0 A	3.1 A	5.8 A	3.74 A	3.54 A	2.54 A	1.9 A
<b>Current Draw @ 115 V*</b>	15.8 A	12.2 A	9.5 A	8.2 A	8.0 A	6.3 A	11.6 A	7.48 A	7.0 A	5.0 A	3.8 A
<b>Thermal Dissipation*</b>	1,590 BTU/hr	1,244 BTU/hr	1,069 BTU/hr	982 BTU/h	836 BTU/h	722 BTU/h	955 BTU/hr	785 BTU/hr	529 BTU/hr	529 BTU/hr	368 BTU/hr
<b>S/N Ratio</b>	>110 dBA	>110 dBA	>110 dBA	>110 dBA	>106 dBA	>106 dBA	>110 dBA	>109 dBA	>108 dBA	>107 dBA	>109 dBA
<b>Cross-talk Separation</b>	>66 dB	>66 dB	>66 dB	>66 dB	>70 dB	>70 dB	>70 dB	>70 dB	>70 dB	>70 dB	>70 dB
<b>Damping Factor @ 8 Ω</b>	>5000	>5000	>5000	>5000 <sup>1)</sup>	>5000 <sup>1)</sup>	>5000	>5000	>5000	>5000	>5000	>5000
<b>Width</b>	483 mm / 19"	483 mm / 19"	483 mm / 19"	483 mm / 19"	483 mm / 19"	483 mm / 19"	483 mm / 19"	483 mm / 19"	483 mm / 19"	483 mm / 19"	483 mm / 19"
<b>Height</b>	44.5 mm/1U	44.5 mm/1U	44.5 mm/1U	44.5 mm / 1U	44.5 mm / 1U	44.5 mm / 1U	44.5 mm/1U	44.5 mm/1U	44.5 mm/1U	44.5 mm/1U	44.5 mm/1U
<b>Depth</b>	475 mm/18.7"	475 mm/18.7"	475 mm/18.7"	475 mm/18.7"	380 mm / 15"	380 mm / 15"	358 mm/14.1"	358 mm/14.1"	358 mm/14.1"	358 mm/14.1"	358 mm/14.1"
<b>Weight</b>	12kg / 26.5 lbs	12kg / 26.5 lbs	12kg / 26.5 lbs	12kg / 26.5 lbs	8kg / 17.7 lbs	8kg / 17.7 lbs	7.3 kg / 16 lbs	7.3 kg / 16 lbs	7.3 kg / 16 lbs	7.3 kg / 16 lbs	7.3 kg / 16 lbs

\* = 1/8 of max. output power @ 4 Ω

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TOURING LINE





# TOURING LINE

Great sound, reliability and power density are of paramount importance when on tour. This is why leading tour companies opt for Powersoft amplification. Small in size with only 1U and light in weight, Powersoft amplifiers are easy to haul around, yet their legendary efficiency enables amazing amounts of reliable and great sounding power, no matter if it's for stadium shows or club gigs.

Choose from a wide range of models with 2 and 4 channels, state-of-the-art DSP and networking options, and many more features useful on the road.

Powersoft DSP technology has been optimized to be controlled by Armonía Pro Audio Suite™.

## Armonía Pro Audio Suite



Setting up and managing complex sound systems easily through a highly intuitive user interface has become more than a popular demand – it is reality. Armonía Pro Audio Suite has raised the bar by offering a number of unique features making your system safer and sounding better, especially in combination with Powersoft DSP technology.

- ▶ Armonía works with the full range of Powersoft products.
- ▶ No DSP required
- ▶ Armonía provides total system and sound control in real-time
- ▶ Output EQs, delays, and a highly sophisticated group of limiters.
- ▶ Input EQ in three layers with hundreds of filters for individual tuning.
- ▶ Ultimate protection: Peak, clip and TruePower limiters.
- ▶ Access Manager allows two access levels.
- ▶ Complete integration with FIR Maker (FIR custom filters).
- ▶ Supported languages: English, German, Spanish, French, Italian, Polish, Russian and Chinese.

Third party plug-ins available:

MediaMatrix

Q-SYS

AMX

CRESTRON  
CERTIFIED INTEGRATED PARTNER



## K SERIES

2CH 1U PFC DSP optional Armonía Pro Audio Suite™



The K20 impresses with up to 18,000 W in a single rack space. Ideal for subwoofers requiring relatively high continuous power and ample headroom, the K20 is the unique result of smart design, attention to sound quality, and extremely high efficiency.

K20



With its 12,000 W from a single rack space chassis, the K10 is capable of driving subwoofers and large-scale FOH systems equally well, numerous touring sound reinforcement systems are built around racks exclusively utilizing K10's for all frequency bands.

K10



Made for a wide range of sound reinforcement applications, is a classic power source for mid-sized touring systems, and a safe investment as well: With a Step-up card a K8 can be upgraded to become a K10.

K8



Absolutely stable with 2Ω loads, the K6 fits subs in smaller systems as well as lows and mids in larger setups. With a Step-up card a K6 can be upgraded to become a K8, making it a safe investment.

K6



The most versatile model due to an attractive mix of features, size and output power, making the K3 an outstanding value. Built on same technologies as every other K Series model, the K3 produces the same great sound quality.

K3



With up to 4,800W and 8kg/17.6lbs in weight, the K2 is the ideal companion for where space, weight, and uncompromised sound quality matter. With a Step-up card a K2 can be upgraded to become a K3 – more power without replacing the entire amplifier.

K2



## M SERIES

2 or 4 channels 1U DSP optional Armonía Pro Audio Suite™



With 5,000 W across four channels in a single rack space at a mere 7.4kg/16.3lbs weight, the M50Q is optimized for mid-sized sound systems and 4Ω loads, it is a fantastic value, practically as well as commercially.

M50Q



A single M28Q is good for powering a complete little bi-amped stereo system, a 3-way mono stack of decent size, a variety of floor monitors, or even a comprehensive PA system with multiple 70V lines.

M28Q



Like all M Series models, the M30D is optimized for 4Ω, and with its output power ideal for small to medium sized sound systems where e.g. no more than two 8Ω loads are connected in parallel to an amplifier channel.

M30D



Like all M Series models, the M20D is an outstanding value in any smaller to medium sized sound system where an efficient, compact and good sounding amplifier is expected to work reliably over a long period. Optimized for 4Ω loads.

M20D



Built on the same technologies as Powersoft's prominent touring amplifiers, the M14D comes to play in smaller quality sound systems. It is well capable of driving 70V constant voltage lines, too.

M14D



LEGEND		SMALL TO MEDIUM FOH SYSTEM		SUBWOOFERS		STAGE MONITORS		STEP-UP COMPATIBLE
		MEDIUM TO LARGE FOH SYSTEM		FULL-RANGE LOUDSPEAKERS		MOBILE DJ		4CH 4 CHANNELS

