PowerMax 3 & 5

Systems

ENGLISH

HIGHEST requirements for modern audio installations regarding their sound pressure level, coverage and sound quality can only be achieved using active multi-component loudspeaker systems where the audio signal's individual frequency ranges are separately amplified and reproduced.

ACTIVE 2-way installations with additional sub woofer systems probably offer the best price-performance ratio. The low frequency range of the audio signal is reproduced by the sub woofers while high-quality full range cabinets take care of the Mid/Hi frequencies and vocals.

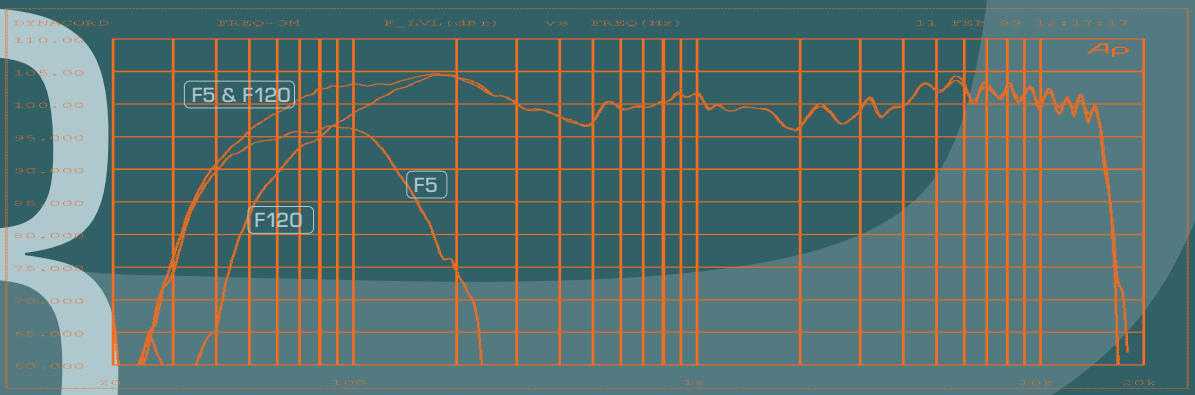
PowerMax 3 System

2 x F120
2 x F5
PM2600
4 x Speakon system cable 15m
2 x loudspeaker stand poles

THE PowerMax 3 system - the direct successor of the legendary P3 Systems - consists of two 12" 2-way cabinets F120, two 15" sub woofers F5, one system power amplifier PM2600, four system cables and two loud-speaker stand poles. So, this compact, active 2-way system is ready for operation. The system power amplifier includes the PowerMax controller and provides 2 x 700 W in the bass and 2 x 600 W in the Mid/Hi range. The system cabling ensures quick and easy installation and highest operational reliability. It is possible to operate two Mid/Hi cabinets and two sub woofers per stereo side on a single PM2600.

3 year warranty.

PowerMax 3 system: F5 & F120 on a PM2600



PowerMax System 3

ONE of the essential advantages when using active 2-way systems with additional sub woofers lies in the fact that the vocals are not divided between several speaker systems. This, in return, offers more convenience when adjusting the sound system. Different than with active 3- or 4-way configurations – complicated analyzing and measuring sound fields are not necessary.

ON small stages or rooms, using only a monaural sub woofer is absolutely sufficient, since the locating of low-frequency sound is merely impossible under these conditions. For bigger stages it is indispensable to use separate sub woofers for both sides. Otherwise, the level difference between bass and treble would result in an audible degradation of the overall sound. Of course, incorporating a centrally located sub woofer can additionally improve the sound quality.

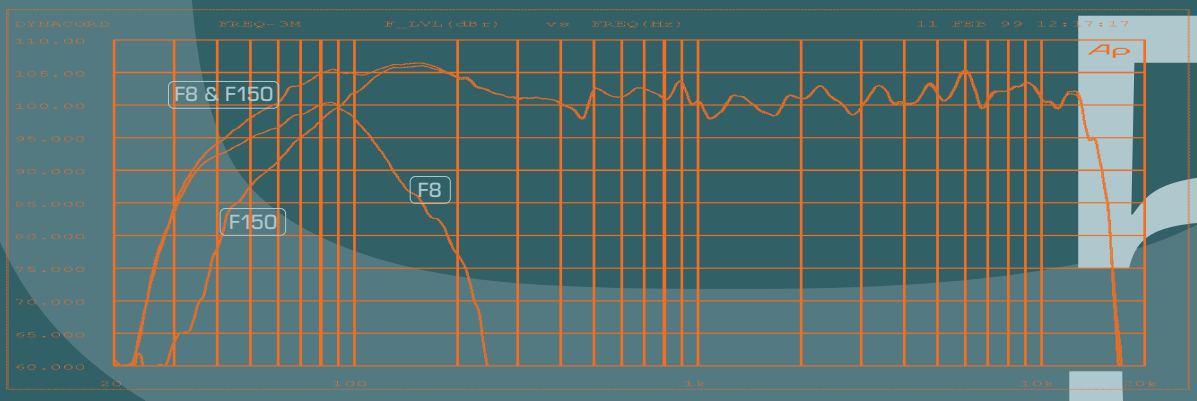
PowerMax 5 System

2 x F150
2 x F8
PM2600
4 x Speakon system cable 15m
2 x loudspeaker stand poles

THE PowerMax 5 system - the direct successor of the legendary P5 Systems - consists of two 15" 2-way cabinets F150, two 18" sub woofers F8, one system power amplifier PM2600, four system cables and two loud-speaker stand poles. So, this compact, active 2-way system is ready for operation. The system power amplifier includes the PowerMax controller and provides 2 x 700 W in the bass and 2 x 600 W in the Mid/Hi range. The system cabling ensures quick and easy installation and highest operational reliability. It is possible to operate two Mid/Hi cabinets and two sub woofers per stereo side on a single PM2600.

3 year warranty.

PowerMax 5 system: F8 & F150 on a PM2600



PowerMax System

5

PowerMax 3 System

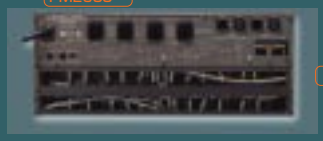
2 x F120 12" Mid/Hi cabinet
2 x F5 15" sub woofer
1 x PM2600 system power amplifier
4 x PSS 415 Speakon system cable 15 m
2 x PCL 880 loudspeaker stand poles


F 120


F 5

PowerMax 5 System

2 x F150 15" Mid/Hi cabinet
2 x F8 18" sub woofer
1 x PM2600 system power amplifier
4 x PSS 415 Speakon system cable 15 m
2 x PCL 880 loudspeaker stand poles


PM2600


F 150


F 8

Technical Specifications

Type		F120	F150	F5	F8
Design		2-way	2-way	Subwoofer	Subwoofer
Components:	LO	1 x 12"	1 x 15"	1 x 15"	1 x 18"
		EVM 12L Pro-Line	EVM 15 L Pro-Line	EV DL15X	EVX 180A
	HI	DH 2T	DH 2T	-	-
		HT 94	HT 94	-	-
Nominal power rating RMS		300 W	400 W	400 W	500 W
Program power capacity		600 W	800 W	800 W	1000 W
Frequency response (-10 dB)		75 Hz-18 kHz	70 Hz-18 kHz	48 Hz-280 Hz	40 Hz - 300 Hz
Nominal SPL (1W/1m)		100 dB	102 dB	100 dB	100 dB
Max. SPL*:		128 dB	131 dB	129 dB	130 dB
Impedance:		8 Ω	8 Ω	8 Ω	8 Ω
Crossover frequencies:		1.6 kHz	1.6 kHz	160 Hz	160 Hz
Dimensions:					
Width:		436 mm	522 mm	436 mm	522 mm
Height:		629 mm	755 mm	617 mm	737 mm
Depth:		339 mm	395 mm	674 mm	674 mm
Weight:		21.5 kg	26.5 kg	30.5 kg	38.0 kg

* calculated with program power

PM2600

	HI-Channels		LO-Channels	
Load Impedance	8Ω	4Ω	8Ω	4Ω
Maximum Midband Output Power, THD = 1%, 1kHz, 60Hz	380W	700W	380W	700W
Rated Output Power THD < 0.1%	300W	600W	350W	700W
Maximum Single Channel Output Power Dynamic-Headroom, IHF-A	400W	750W	400W	750W
Maximum RMS Voltage Swing, THD = 1%	58.7V		58.7V	

Crossover Type	**PowerMax12***, Stereo active 2-way
Crossover Frequency	90 Hz
Lo-Cut	12dB/octave, 25Hz at -3dB ref. 1kHz
Frequency Response -3dB, ref. 1kHz, Lo-Cut	25Hz ... 45kHz
Minimum Load Impedance	2.5 Ω
Input Sensitivity at rated output power @ 4Ω	0dBu (775mV)
Maximum Input Level	+21dBu (8.7V)
THD at rated output power, MBW =80kHz	< 0.05%
Crosstalk	< -60dB
Slew Rate	30V/µs
Power Bandwith THD = 1%, ref. 1kHz, half power @ 4Ω	10Hz ... 50kHz
Input Impedance 20Hz ... 20kHz, balanced	20Ω
Damping Factor	> 300
Signal-to-Noise Ratio, A-weighted	> 100dB
Power Requirements	230V, 50Hz ... 60Hz
Power Consumption at 1/8 maximum output power @ 4Ω	1800W
Protection	Audio limiter (APC), TBC, High temperature, DC, HF, Back-EMF, Peak current limiter, Inrush current limiter, Turn-on delay
Cooling	Front-to-rear, 4-stage-fans
Safety Class	I
Dimensions (W x H x D), mm	483 x 177 x 426
Weight	30kg

*Patent pending; Amplifier at rated conditions, all channels driven, 8Ω loads, HI-Channel rated at 1kHz, LO-Channel rated at 60Hz unless otherwise specified.
Note: 0dBu = 0.775V

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