

WOOFER WS600

The NEW and Improved WS600 series is available in 12, 15 and 18" Woofers for low and mid-bass professional sound reinforcement. The 600w RMS rated drivers are now offering high power capacity, outstanding low end response and exceptionally smooth transition into the vocal range. The WS600 is ideal for stage monitors as well as front of house cabinets. This woofer exhibits outstanding acoustics with work horse construction. Designed for smaller enclosures, the WS600 is a versatile, high performance woofer. General construction includes a sturdy cast frame, an impregnated cloth surround, impregnated long fiber paper cone and stable double spider.

The WS600 woofer incorporates the famous Selenium MCS (Multi Cooling System), which increases heat dissipation and reduces operating temperature increasing the output power with reduced power compression.



SPECIFICATIONS		12WS600	15WS600	18WS600
Nominal diameter	mm(in)	305(12)	380(15)	460(18)
Nominal impedance	Ω	8	8	8
Minimum impedance	Ω	7.4(@212Hz)	7.1(@190Hz)	7.0(@132Hz)
Power handling				
Continuous Music ¹	W	1,200	1,200	1,200
AES ²	W	600	600	600
Sensitivity (2.83V@1m) averaged from 100 to 500Hz	DB SPL	95	97	98
Power compression @ 0 dB (nom. Power)	dB	3.3	3.2	2.6
Power compression @ -3 dB (nom. power)/2	dB	2.2	2.1	1.6
Power compression @ -10 dB (nom. Power)/10	dB	0.6	0.7	0.7
Frequency response @ -10 dB	Hz	45 - 3,000	40 - 3,500	35 - 3,000

¹Power handling specifications refer to normal speech and/or continuous music material, reproduced by an amplifier producing no more than 5% distortion. Power is calculated as true RMS voltage squared divided by the nominal impedance of the loudspeaker

³ AES Standard (60 - 600 Hz).

THIELE-SMALL PARAMETERS

		12WS600	15WS600	18WS600
Fs	Hz	46	35	33
Vas	l(ft)	60(2.11)	215(7.59)	375(13.24)
Qts		0.34	0.35	0.43
Qes		0.35	0.35	0.44
Qms		10.98	20.07	18.79
ho (half space)	%	1.63	2.5	2.99
Sd	m(in)	0.053(82.15)	.0814(126.17)	.1194(184.45)
Vd (Sd x Xmax)	cm(in)	227.9(13.91)	350.0(21.36)	447.8(27.67)
Xmax (max. excursion (peak) with 10% distortion)	mm(in)	4.3(0.17)	3.75(0.15)	3.75(0.15)
Xlim (max. excursion (peak) before physical damage)	mm(in)	13.0(0.51)	13.0(0.51)	13.0(0.51)

ADDITIONAL INFORMATION

		12WS600	15WS600	18WS600
Magnet material		Barium ferrite	Barium ferrite	Barium ferrite
Magnet weight	g(oz)	2,670 (94.2)	2,640 (92)	2,640 (92)
Magnet diameter x depth	mm(in)	220 x 24 (7.87 x 0.95)	220 x 24 (7.87 x 0.95)	220 x 24 (7.87 x 0.95)
Magnetic assembly weight	g(lb)	6,900 (15.43)	7,000 (15.45)	7,000 (17.20)
Frame material		Aluminum	Aluminum	Aluminum
Frame finish		Black-Silver Epoxy	Black-Silver Epoxy	Black-Silver Epoxy
Voice coil material		Copper	Copper	Copper
Voice coil former material		Polyimide	Til	Til
Cone material		Long fiber pulp	Long fiber pulp	Long fiber pulp
Volume displaced by woofer	l(ft)	4.0 (0.141)	6.0 (0.212)	8.0 (0.282)
Net weight	g(lb)	7,420 (16.36)	8,520 (18.81)	8,840 (25.24)
Gross weight	g(lb)	8,200 (18.07)	9,740 (21.50)	10,380 (27.34)
Carton dimensions	cm(in)	34x34x15.5(13.4x13.4x6.1)	40x40x18.5(15.8x15.8x7.3)	46.5x46.5x21.5(18.3x18.3x8.5)

Specifications subject to change without prior notice