12.00SW

12'' Ceramic Subwoofer

Program Power	**2000 W**
Rated impedance	**8 Ohm**
Nominal diameter	**12''- 320 mm**
Sensitivity (2,83V/1m)	**89,5 dB**
Voice coil diameter	**4 in - 100 mm**
Frequency Range	**30-2000 Hz**

SPECIFICATIONS

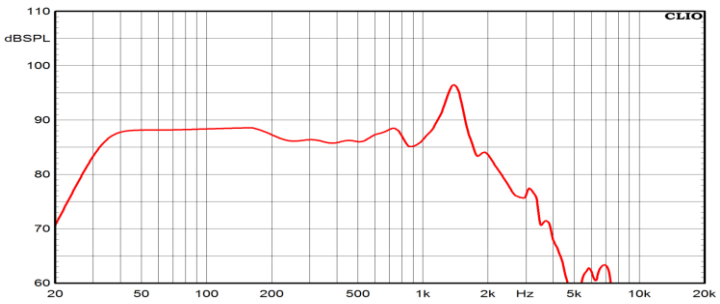
Nominal Diameter		12''- 320 mm
Rated Impedance		8 Ohm
Nominal Power Handling [1]		1000 W
Program Power [2]		2000 W
Sensitivity [3]		89,5 dB
Frequency Range [4]		30-2000 Hz
Minimum Impedance		-
Gasket Material		Diecast Aluminum
Magnet Material		Ferrite
Cone Material		Treated Cellulose
Cone Shape		Planar
Surround		Rubber - Half Roll
Suspension		Nomex Fabric
Voice Coil Diameter		4 in - 100 mm
Voice Coil Winding Material		Copper
Voice Coil Length		33 mm - 1,3 in
Voice Coil Former Material		Kapton
Connection type		Push Button
Ferrofluid		No
Magnetic Gap Height		10 mm - 0,39 in
Max. Peak to Peak Excursion		-
Efficiency Bandwidth Product EBP		83
Recommended Loading		Vented Box
Volume / Tuning frequency		40 Lt (dm³) - 1,413 cuft / 33 Hz
Maximum recommended frequency		-
Version - Part Code	**8 Ohm**	**P12.00SW**
	4 Ohm	P12.00SW-4

T/S PARAMETERS

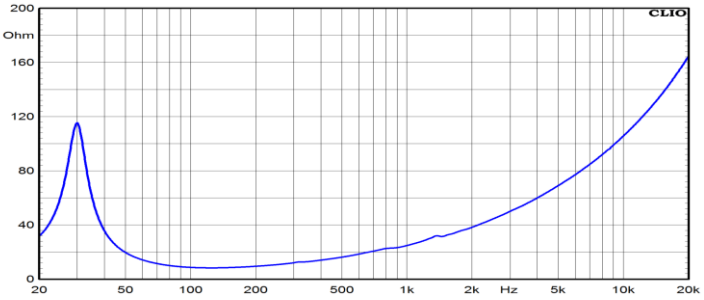
8 Ohm

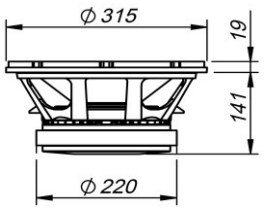
Resonance frequency	Fs	30 Hz
DC Resistance	Re	6,7 Ohm
Mechanical Q Factor	Qms	6,1
Electrical Q Factor	Qes	0,36
Total Q Factor	Qts	0,34
Bl Factor	Bl	25,3 Tm
Effective Moving Mass	Mms	183 g
Equivalent Cas air loaded	Vas	59 lt (dm³) - 2,08 cuft
Suspension Compliance	Cms	-
Effective Piston Diameter	D	258 mm - 10,16 in
Effective piston area	Sd	523 cm² - 81,07 sq in
Max. Linear Excursion [5]	Xmax	14 mm - 0,55 in
Voice Coil Inductance @ 1kHz	Le	2,35 mH
Half-space Efficency	ŋ0	0,45 %

FREQUENCY RESPONSE CURVE [6]



FREE AIR IMPEDANCE CURVE [7]





MOUNTING AND SHIPPING INFORMATION

Overall Diameter	315 mm - 12,4 in
Baffle Cutout Diameter	282 mm - 11,1 in
Flange and Gasket Thickness	19 mm - 0,75 in
Total Depth	149 mm - 5,87 in
Bolt Circle Diameter	295 mm - 11,61 in
Bolt Holes Quantity and Diameter	8 / 7 mm - 0,28 in
Net Weight	11,1 Kg - 24,45 lb
Shipping Units	1 Pc

NOTES

[1] Nominal power is determined according to AES2-1984 (r2003) standard.
[2] Program Power is defined as 3 dB greater than the Nominal rating.
[3] Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m, when connected to 2,83V sine wave test signal.
[4] Frequency range is given as the band of frequencies delineated by the lower and upper limits where the output level drops by 10 dB below the rated sensitivity in half space environment.
[5] Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth.
[6] Frequency response curve is measured in box.
[7] Impedance curve is measured in free air conditions at small signals.