FXH15.75W

15” Ceramic Woofer

Program Power	800 W
Rated impedance	8 Ohm
Nominal diameter	15”- 380 mm
Sensitivity (2,83V/1m)	97,5 dB
Voice coil diameter	3 in - 75 mm
Frequency Range	45-2000 Hz

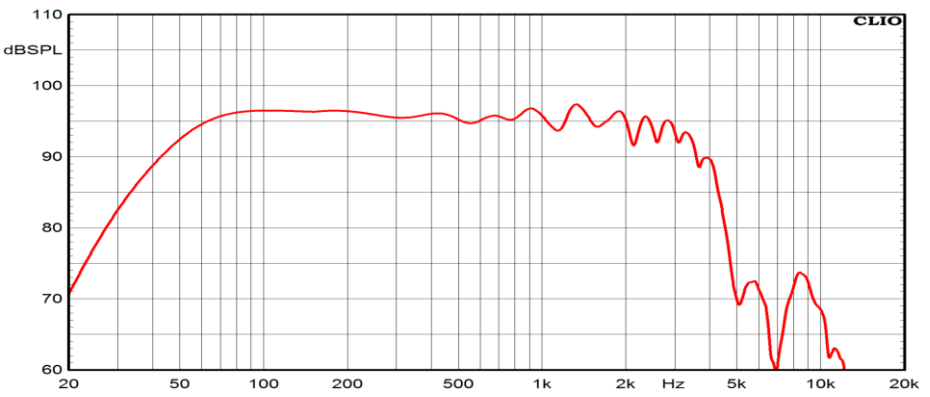
SPECIFICATIONS

Nominal Diameter	15”- 380 mm
Rated Impedance	8 Ohm
Nominal Power Handling [1]	350 W
Program Power [2]	800 W
Sensitivity [3]	97,5 dB
Frequency Range [4]	45-2000 Hz
Minimum Impedance	-
Basket Material	Diecast Aluminum
Magnet Material	Ferrite
Cone Material	Treated Cellulose
Cone Shape	-
Surround	Doped fabric
Suspension	Nomex Fabric
Voice Coil Diameter	3 in - 75 mm
Voice Coil Winding Material	Aluminum
Voice Coil Length	17 mm - 0,67 in
Voice Coil Former Material	-
Connection type	Push Button
Ferrofluid	No
Magnetic Gap Height	10 mm - 0,39 in
Max. Peak to Peak Excursion	-
Efficiency Bandwidth Product EBP	98
Recommended Loading	Vented Box
Volume / Tuning frequency	80 Lt (dm³) - 2,825 cuft / 42 Hz
Maximum recommended frequency	-
Version - Part Code **8 Ohm**	**PFXH15.75W**
4 Ohm	PFXH15.75W-4

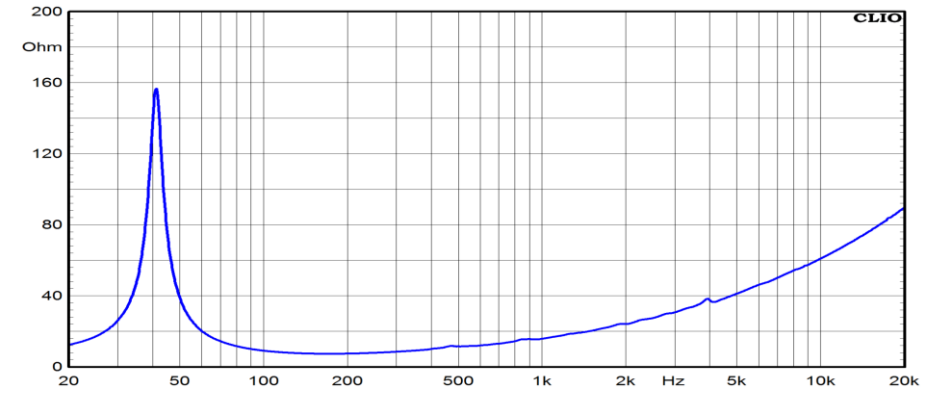
T/S PARAMETERS — 8 Ohm

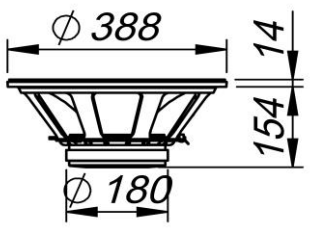
Resonance frequency	Fs	41 Hz
DC Resistance	Re	5,9 Ohm
Mechanical Q Factor	Qms	11,1
Electrical Q Factor	Qes	0,42
Total Q Factor	Qts	0,4
Bl Factor	Bl	19,3 Tm
Effective Moving Mass	Mms	96 g
Equivalent Cas air loaded	Vas	156 lt (dm³) - 5,51 cuft
Suspension Compliance	Cms	-
Effective Piston Diameter	D	330 mm - 12,99 in
Effective piston area	Sd	855 cm² - 132,53 sq in
Max. Linear Excursion [5]	Xmax	6 mm - 0,24 in
Voice Coil Inductance @ 1kHz	Le	1,6 mH
Half-space Efficency	η0	2,5 %

FREQUENCY RESPONSE CURVE [6]



FREE AIR IMPEDANCE CURVE [7]





MOUNTING AND SHIPPING INFORMATION

Overall Diameter	388 mm - 15,28 in
Baffle Cutout Diameter	354 mm - 13,94 in
Flange and Gasket Thickness	14 mm - 0,55 in
Total Depth	167 mm - 6,57 in
Bolt Circle Diameter	370 mm - 14,57 in
Bolt Holes Quantity and Diameter	8 / 7 mm - 0,28 in
Net Weight	7,8 Kg - 17,18 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 In the range above 150 Hz is measured on infinite baffle conditions and simulated as per recommended loading in the range below 150 Hz.
[7] Impedance curve is measured in free air conditions at small signals.