NEODYMIUM SUBWOOFER

18FX800

18” - 1000 W - 96 dB

NOMINAL SPECIFICATIONS

Nominal Diameter	460 mm (18 in)
Overall Diameter	460 mm (18.11 in)
Bolt Circle Diameter	440 mm (17.32 in)
Baffle Cutout Diameter	422 mm (16.61 in)
Depth	215 mm (8.46 in)
Flange and gasket Thickness	13.9 mm (0.55 in)
Net Weight	**6 kg (13.2 lb)**
Shipping Box	503 x 500 x 258 mm
(Single Carton Box)	(19.8 x 19.7 x 10.2 in)
Shipping Weight	7.4 kg (16.3 lb)

TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	7.4 Ω
AES Power Handling **(1)**	1000 W
Maximum Power Handling (2)	**2000 W**
Sensitivity (1W/1m)	**96 dB**
Frequency Range	30÷1600 Hz
Voice Coil Diameter	**90 mm (3.54 in)**
Winding Material	Cu
Former Material	Glass Fiber
Winding Depth	31 mm (1.22 in)
Magnetic Gap Depth	**10.2 mm (0.40 in)**
Flux Density	1.1 T
Magnet	Neodymium Ring
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround **(3)**	Triple Roll
NET Air Volume filled by Loudspeaker	7.3 dm³ (0.258 ft³)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	34 Hz
Re	6.2 Ω
Qes	0.43
Qms	6.8
Qts	0.40
Vas	247.0 dm³ (8.72 ft³)
Sd	1213 cm² (188.02 in²)
Xmax **(4)**	13.80 mm
Xdamage **(5)**	27 mm
Mms	182.3 g
Bl	24.0 N/A
Le	1.5 mH
Mmd	134.6 g
Cms	0.12 mm/N
Rms	5.8 kg/s
η_o (Eta Zero)	2.2 %
EBP	79 Hz

NOTES:

(1) 2 Hours Test According to AES 2-1984 Rev. 2003

(2) Maximum power is defined as 3dB greater than nominal power

(3) Treated Polycotton

(4) Xmax = [(Winding Depth - magnetic gap depth)/2] + (magnetic gap depth / 3)

(5) Maximum excursion before permanent damage