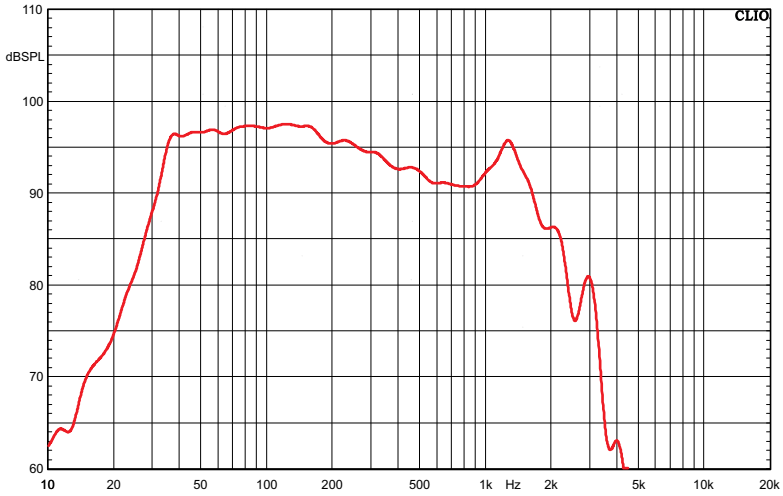
18SW1500

18" 1500W premium subwoofer driver

T&S PARAMETERS

F(s) = 34 Hz
Q(ms) = 9.763
V(as) = 182 liters
M(ms) = 248 grams
R(ms) = 5.553 kg/s
S(d) = 1225 sq.cm
V(d) = 1.716 liters
R(e) = 5.75 ohms
Q(es) = 0.406
C(ms) = 0.0853 mm/N
Q(ts) = 0.39
L(e) 1kHz = 1.98 mH
BL = 27.5
n(0) = 1.8%

FREQUENCY RESPONSE



Woofer inside recommended cabinet (150 liters tuned at 40Hz), 2PI

Important remarks:
1. Power handling is 2 hours test according to AES 2-1984 Rev. 2003
2. Xmech is maximum excursion before damage
3. Thiele-Small parameters are measured after 2 hours of high level 20 Hz sine wave pre-conditioning test.
4. Manufacturing tolerance: Fs +/- 5Hz and Re +/- 0.4 ohm

FEATURES

Ultra Long excursion design
Split Winding voice coil
DCS (Deflective Cooling System)
Water resistant Kevlar® loaded paper cone
Optimized parameters for compact cabinets

SPECIFICATIONS

Nominal diameter = 460mm (18 inch)
Nominal Impedance = 8 ohms
Power handling = 1500W RMS (AES Standard)
Sensitivity = 97 dB / 1W / 1m
Voice coil diameter = 4 inch (100mm)
Voice coil height Hvc = 34mm
Voice coil air gap Hag = 15mm
Xmax (Hvc-Hag)/2 + Hag/4 = ±13.25mm
Xmech (peak-peak) = 62mm
Voice coil winding = 2 layers IN / OUT
Voice coil material = 240°C Thermal Class Copper
Voice coil former = DUPONT® GFB fiberglass
Suspension = Triple roll, impregnated fabric
Spider = dual with silicon damping, NOMEX®
Cone = fiber loaded, waterproof treated paper
Chassis = Die Cast Aluminum
Magnet = Ø230mm Y35 Ferrite

MOUNTING & SHIPPING

Overall diameter = 470 mm
Bolt circle diameter = 445 mm
Baffle cutout diameter = 422 mm
Flange and gasket thickness = 13 mm
Overall depth = 225 mm
Net weight = 15.5 kg
Shipping weight = 18 kg
Shipping box = 460x460x280 mm