12PF600

12" 600W Premium Mid-Bass driver

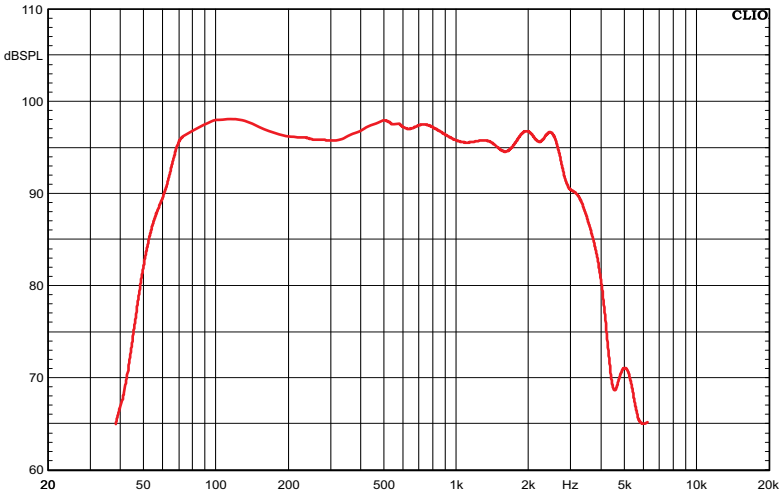
FEATURES
Balanced tonality ideal for 2-way speakers
High efficiency
Water resistant KEVLAR® loaded paper cone
Optimized parameters for compact cabinets

SPECIFICATIONS
Nominal diameter = 320mm (12 inch)
Nominal Impedance = 8 ohms
Power handling = 600W RMS (AES Standard)
Sensitivity = 97 dB / 1W / 1m
Voice coil diameter = 3 inch (75mm)
Voice coil height Hvc = 22.5mm
Voice coil air gap Hag = 10mm
Xmax (Hvc-Hag)/2 + Hag/4 = ±8.75mm
Xmech (peak-peak) = 42mm
Voice coil winding = 2 layers IN / OUT
Voice coil material = 240°C Thermal Class CCAW
Voice coil former = DUPONT® GFB fiberglass
Suspension = Triple roll, impregnated fabric
Spider = single, cold formed NOMEX®
Cone = fiber loaded, waterproof treated paper
Chassis = Die Cast Aluminum
Magnet = Ø180mm Y35 Ferrite

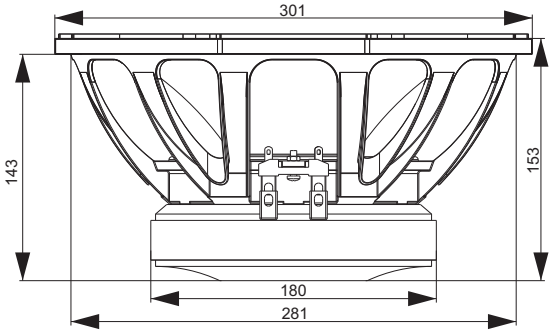
T&S PARAMETERS
F(s) = 51 Hz
Q(ms) = 7.472
V(as) = 66 liters
M(ms) = 64 grams
R(ms) = 2.74 kg/s
S(d) = 552 sq.cm
V(d) = 0.524 liters
R(e) = 5.28 ohms
Q(es) = 0.452
C(ms) = 0.152 mm/N
Q(ts) = 0.424
L(e) 1kHz = 1.08 mH
BL = 15.5
n(0) = 1.9%

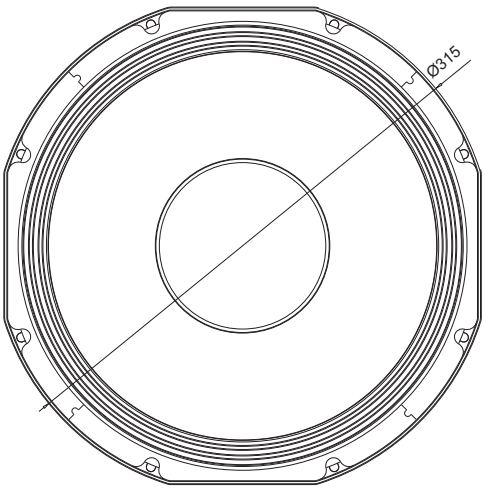
MOUNTING & SHIPPING
Overall diameter = 315 mm
Bolt circle diameter = 302 mm (8*M5)
Baffle cutout diameter = 282 mm
Flange and gasket thickness = 10 mm
Overall depth = 143 mm
Net weight = 7 kg
Shipping weight = 8 kg
Shipping box = 340x340x195 mm

FREQUENCY RESPONSE



Woofer inside recommended cabinet (60 liters tuned at 55Hz), 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