

PD.24603BR

SUB BASS DRIVER



24" / 610 mm
NOMINAL DIAMETER

20 Hz - 200 Hz
FREQUENCY RESPONSE

6.08" / 152 mm
VOICE COIL DIAMETER

98 dB
SENSITIVITY (1W/ 1m)

1800 W (A.E.S.)
POWER HANDLING

16 mm Xmax
MAXIMUM LINEAR EXCURSION

- > **NEW ERGONOMIC, VENTED CAST ALUMINIUM CHASSIS OFFERS IMPROVED THERMAL CONTROL**
- > **6.08" INSIDE/ OUTSIDE WINDINGS, COPPER VOICE COIL**
- > **VENTED MOTOR SYSTEM AND VOICE COIL GAP FOR REDUCED POWER COMPRESSION**
- > **OPTIMISED COMPLIANCE SUSPENSION SYSTEM OFFERS PERFECT LINEARITY AND ULTRA-MECHANICAL CONTROL**
- > **INCREDIBLE B/L FORCE FACTOR OF OVER 39 T/M**

The perfect combination of elegant design and superior audio output, the PD.24603BR represents best-in-class performance for professional audio designers. Incorporating an unconventional neodymium motor system design, driving a 6.08" inside/ outside windings, copper voice coil with an incredible B/L force factor of 39 T/m. The unit is capable of handling 1800 W (A.E.S.) (3600 W program power) and exhibits 98 dB sensitivity over its working band.

This sub bass behemoth offers the benefits of ultra-mechanical control, perfect linear excursion and low harmonic distortion. Delivering unsurpassed levels of LF output, while remaining fast and articulate.

PD.24603BR

SUB BASS DRIVER

GENERAL SPECIFICATIONS

Nominal Diameter	24" / 610 mm
Voice Coil Diameter	6.08" / 152 mm
Available Impedances	8 Ohm
Power Rating ^{1,2*}	1800 W (A.E.S.)
Peak Power (6dB Crest Factor)*	7200 W (A.E.S.)
Sensitivity (1W - 1m)*	98 dB
Frequency Range	20 Hz - 200 Hz
Recommended Enclosure Volume	150 - 220 Litres
Resonance	34 Hz
Voice Coil Winding Depth	37.00 mm / 1.46"
Magnet Gap Depth	15.0 mm / 0.59"
Flux Density	1.5 Tesla
Magnet Material	Neodymium
Voice Coil Material	Copper
Former Material	Glass Fibre
Dust Dome Material	Solid Paper
Suspension Material	Fabric
Cone Material	Paper
Surround Material	Fabric

WEIGHT

Nett Weight	23.00 kg / 50.71 lb
Shipping Weight	25.00 kg / 55.12 lb

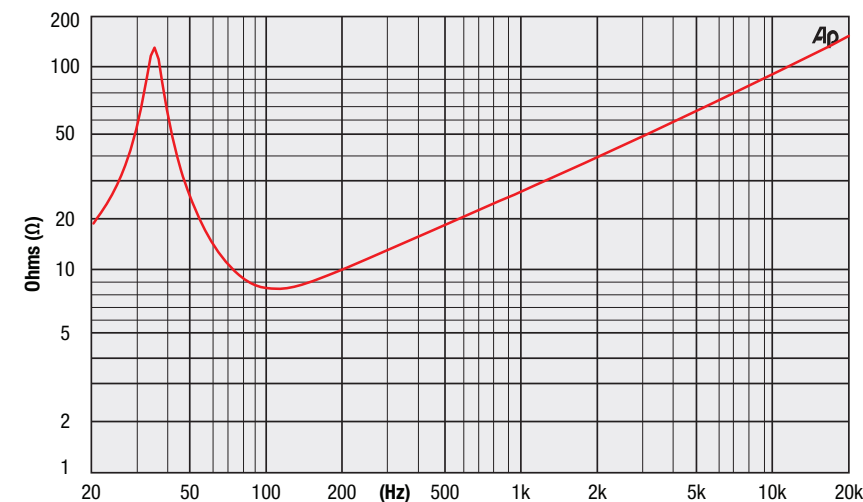
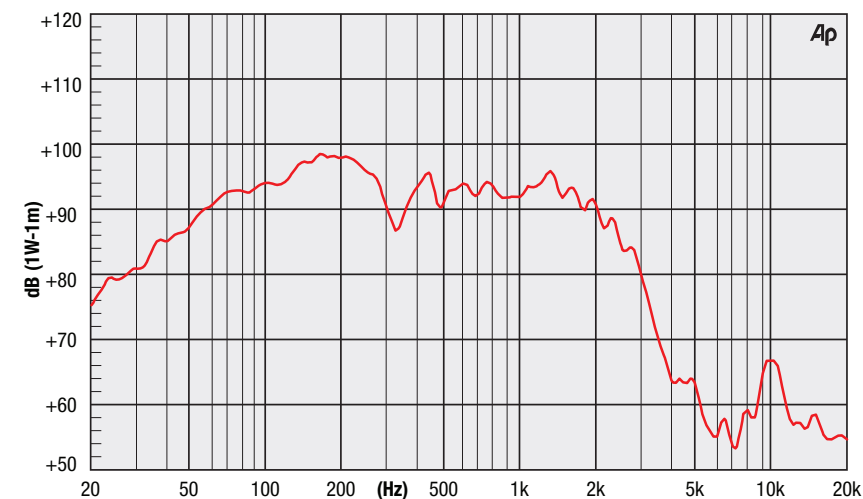
THIELE SMALL PARAMETERS (8 Ω MODEL)³

Fs	34 Hz
Re	5.3 Ω
Qms	9.92
Qes	0.32
Qts	0.31
Le (@ 1 kHz)	4.01 mH
Le (@ 10 kHz)	1.51 mH
Vas	355 Litres
Mms	440 g
Sd	2239 cm ²
Cms	49.8 μm/N
BL	39.46 T/m
Xmax	16.00 mm
Vd	3.58 Litres
Ref. Efficiency	4.19 %
EBP	106.25 Hz

DIMENSIONS & MOUNTING INFORMATION

Overall Diameter	632 mm
Width Across Flats	610 mm
Flange Height	17 mm
Depth (Excluding Flange)	260 mm
Magnet Diameter	194 mm
Chassis Shoulder Diameter	573 mm
Outer Bolt Circle	x6 M8 on 606 mm PCD

FREQUENCY RESPONSE & IMPEDANCE CHARTS ⁴



* Power compression is the reduction of sensitivity at the specified power. Higher power ratings do not necessarily give a proportionate increase in SPL therefore the maximum SPL of the driver may significantly exceed that of other manufacturers with high power ratings.

1. A.E.S. Standard (20 to 200 Hz). Program 1800 Watts.
2. A.E.S. Recommended Practice.
3. Thiele - Small Parameters follow a 1200 Watt preconditioning period verified by Klippel LSI measurement.
4. 2.83V. Half space response measured in a 975 Litre sealed enclosure.

Please note that frequency response measurements are supplied for comparison purposes only and are not a measure of the low frequency performance which may be achievable in a fully optimised system.