

19.¹⁷ 1485 mm

IMPERIUM 18XI SUB BASS DRIVER

18" / 457.2 mm CHASSIS DIAMETER

2600 W

30 Hz - 2 kHz FREDUENCY RESPONSE

FΛNE

5" / 127 mm **VOICE COIL DIAMETER**

PROGRAM POWER

10.5 mm Xmax

MAX. LINEAR EXCURSION

- Lightweight Y35 ferrite motor design. Only weighs 13 kg. ÷
- New 18-Inch vented cast aluminium chassis design.
- Aluminium core heat sink and large motor venting provides reduced power compression and effective temperature regulation.
- ÷
- Dual 'spaced' suspension system and advanced materials offers ultra-linearity, mechanical stability and superior acoustic performance at high levels of excursion.
- ÷

TECHNICAL & THIELE SMALL PARAMETERS

36 Hz

18"

/ 457.2

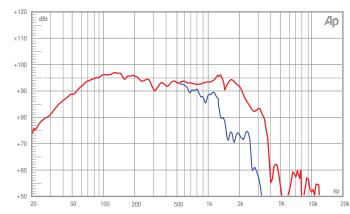
mm

Fs

MOUNTING / SHIPPING INFORMATION

Overall Diameter	19.1" / 485 mm
Width Across Flats	18" / 457.2 mm
Depth	7.94" / 201.55 mm
Flange Height	0.465" / 11.8 mm
Baffle Hole Diameter F/M	16.53" / 419.86 mm
Baffle Hole Diameter R/M	16.33" / 414.78 mm
Chassis Material	Die-cast Aluminium
Gasket Supplied	Front
Outer Fixing Holes	8x ø 7 mm on 468 mm PCD
Inner Fixing Holes	8x ø 7 mm on 438.15 mm PCD
Connectors (4)	Push-button Spring Terminals
Weight	28.85 lb / 13.09 kg
Shipping Weight	31 lb / 14.06 kg
Packing Carton Dimensions (mm)	(W) 495 (D) 495 (H) 255

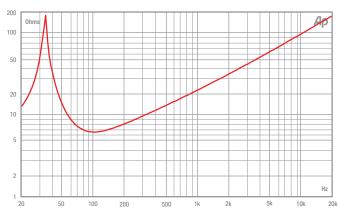
FREQUENCY RESPONSE DATA (3)



(1) Please enquire about alternative impedances.

A.E.S. power handling test. Pink noise bandpass filtered at 12 dB per octave with cut-off frequencies of 35 Hz (2) and 350Hz. Driver mounted in free air, test signal applied at rated power for two hours

IMPEDANCE



Half space response measured in a 975 Litre sealed box. Blue line = fundamental 45° off-axis. Please note that (3) the frequency response mea surements are supplied for comparison only and are not a measure of the low frequency performance which may be achieved in a fully optimised system

96 dB SENSITIVITY (1W/ 1m)

- Powerful and accurate low frequency sound reproduction.
- Peak to peak maximum excursion of 52 mm. ÷
- Suitable for bass reflex or horn loaded designs.
- 5-Inch Copper voice coil.

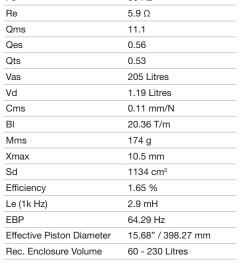
GENERAL SPECIFICATIONS

mm

66" / 220

7.94" / 201.55 mm

Nominal Chassis Diameter	18" / 457.2 mm
Nominal Impedance ⁽¹⁾	8 Ohm
Minimum Impedance Zmin	6.5 Ω
AES Power Handling ⁽²⁾	1300 W (A.E.S.)
Program Power	2600 W
Peak Power (6dB Crest Factor)	5200 W
Frequency Range (-6dB)	30 Hz - 2 kHz
Sensitivity (1W/ 1m)	96 dB
Magnet Material	Ferrite
Magnet Weight	105.8 oz
Magnetic Gap Depth	0.35" / 9 mm
Flux Density	0.98 Tesla
Former Material	Glass Fibre
Voice Coil Material	Copper
Coil Winding Height	0.98" / 25 mm
Voice Coil Diameter	5" / 127 mm
Cone/ Dust Dome Material	Paper / Paper
Surround / Edge Termination	Polyvinyl Damped Multi Roll. Poly Cotton



⁽⁴⁾ Positive voltage at red terminal causes forward motion of cone.