



18" DRIVER

PURE
SOUND

E18F-S4 DATA SHEET



KEY FEATURES:

- Optimal for IB or enclosure application
- 18" nominal diameter
- 3" nominal coil diameter
- 150 - 750W Recommended power
- 750 W RMS Power Handling
- 4 Ohm Nominal impedance
- 96.8 dB Sensitivity
- Ventilated voice coil gap for reduced power compression
- low pressure bowl drum paper
- Voice coil former material - Aluminum
- Voice coil material - self bonding copper wire
- High stability aluminium basket
- Double Ferrite magnet

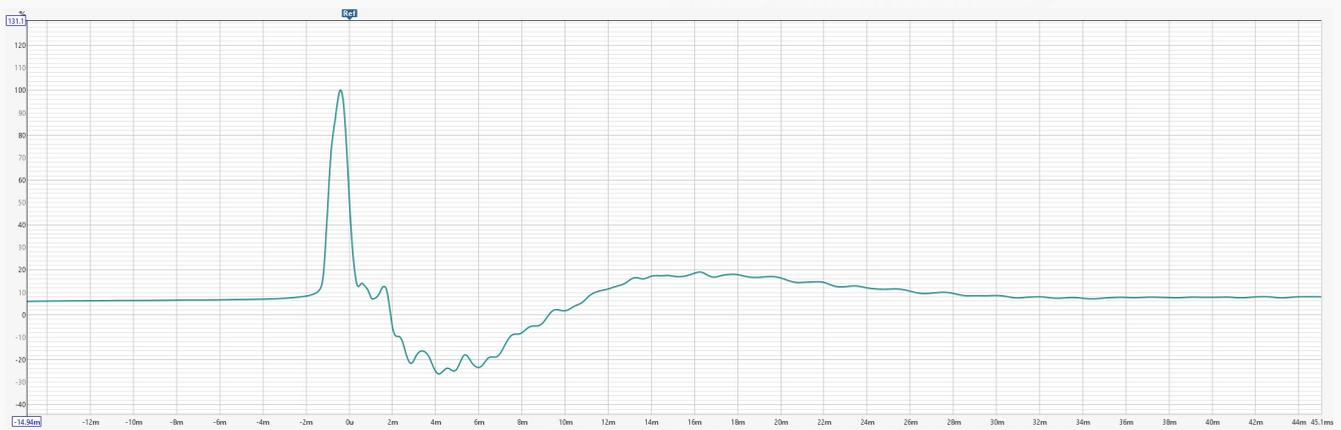
DRIVER PARAMETERS

PARAMETER	VALUE
Resonance in Free Air (Fs)	26.075 Hz
Total Q (Qts)	0.41101
Electrical Q (Qes)	0.43803
Mechanical Q (Qms)	7.4667
Equivalent Volume (Vas)	362.709 liters
Compliance (Cms)	0.170 mm/N
Mechanical Resistance (Rms)	5.211 kg/s
DC Resistance (Re)	3.9000 Ohms
Max Linear Excursion (Xmax)	17,5mm 80% BL
Max Excursion (Xpeak)	22mm peak
Piston Area (Sd)	1194cm ²
Sensitivity (1W/1m)	94.6531 dB SPL
Sensitivity (2.83V/m)	96.8888 dB SPL
Voice Coil Inductance (Le)	0.88497 mH (1k Hz)
Effective Moving Mass (Mms)	180.6 grams
BL Product (BL)	17.5547 N/A

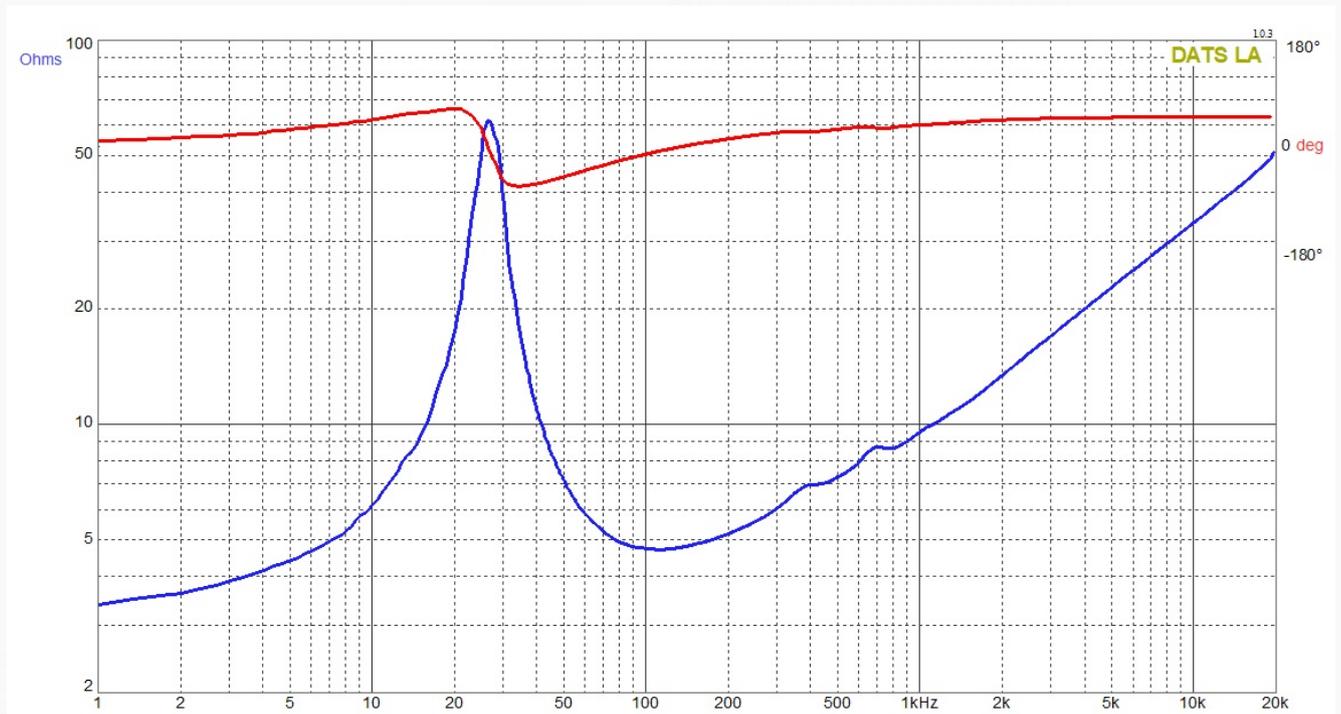
FREQUENCY RESPONSE / DISTORTION



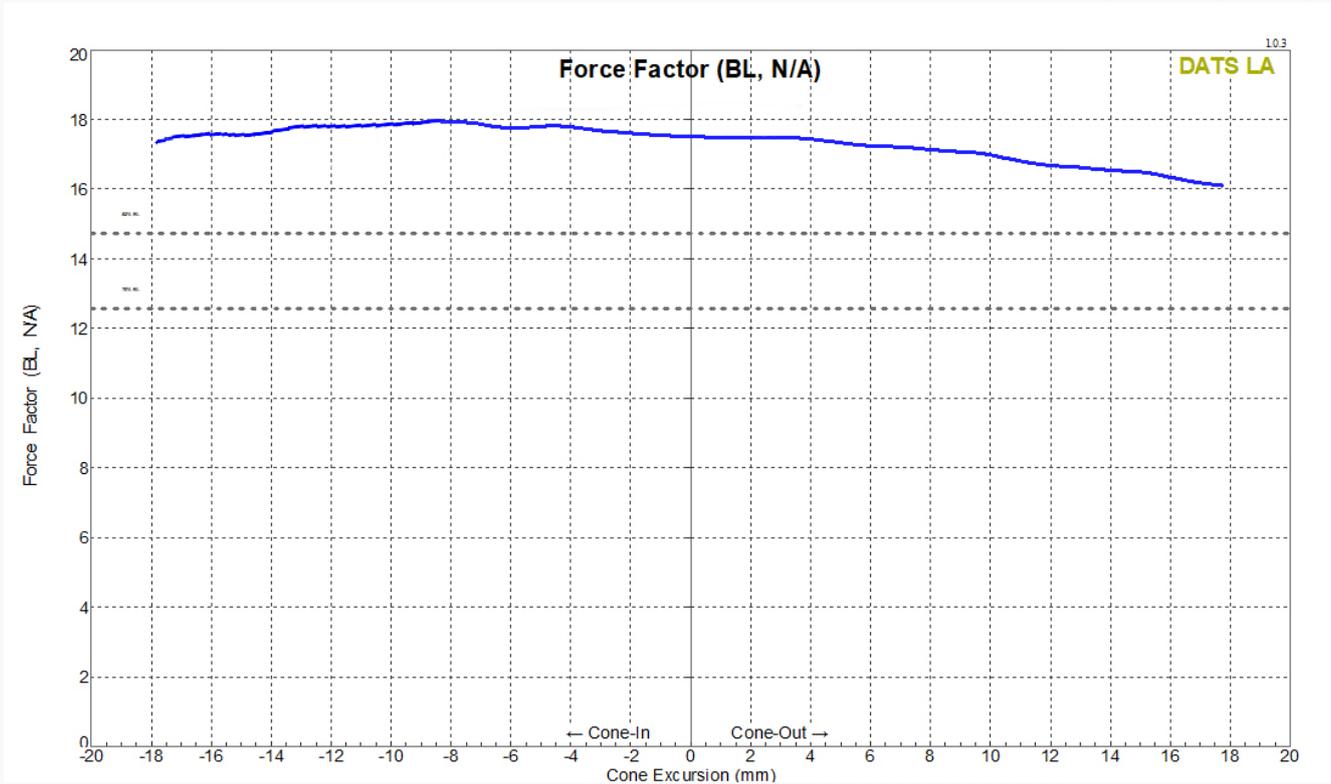
STEP RESPONSE



TYPICAL PERFORMANCE, GRAPHS (IMPEDANCE)



TYPICAL PERFORMANCE, GRAPH (SYMETRY)



DRAWINGS

