FC820N-1 PRELIMINARY SPECIFICATIONS

MID-RANGE DRIVER

8" / 203.2 mm
CHASSIS DIAMETER

320 W
PROGRAM POWER

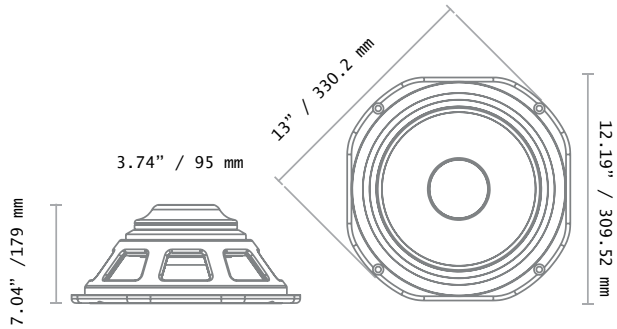
90 Hz - 5.5 kHz
FREQUENCY RESPONSE

3" / 76.2 mm
VOICE COIL DIAMETER

97 dB
SENSITIVITY (1W/ 1m)

3.75 mm Xmax
MAX. LINEAR EXCURSION

- Suitable for Line array
- Works well in Small Vented enclosures.
- Suitable for Low Mid use in 2 way applications or dedicated mid range in multi way systems
- 2" High temperature Voice Coil.
- Low Resonance Die Cast Aluminum Frame



GENERAL SPECIFICATIONS

Nominal Chassis Diameter	8" / 203.2 mm
Nominal Impedance (1)	8 Ohm
Minimum Impedance Zmin	6.6 Ω
AES Power Handling (2)	160 W (A.E.S.)
Program Power	320 W
Peak Power (6dB Crest Factor)	**640 W**
Frequency Range (-6dB)	90 Hz - 5.5 kHz
Sensitivity (1W/ 1m)	**97 dB**
Magnet Material	**Neodymium**
Magnet Weight	N/A
Magnetic Gap Depth	0.35" / 9.00 mm
Flux Density	1.1 Tesla
Former Material	Glass Fibre
Voice Coil Material	Aluminium
Coil Winding Height	0.47" / 18.00 mm
Voice Coil Diameter	**3" / 12.00 mm**
Cone/ Dust Dome Material	Paper / Paper
Surround / Edge Termination	Polyvinyl Damped Dbl. Half Roll Linen

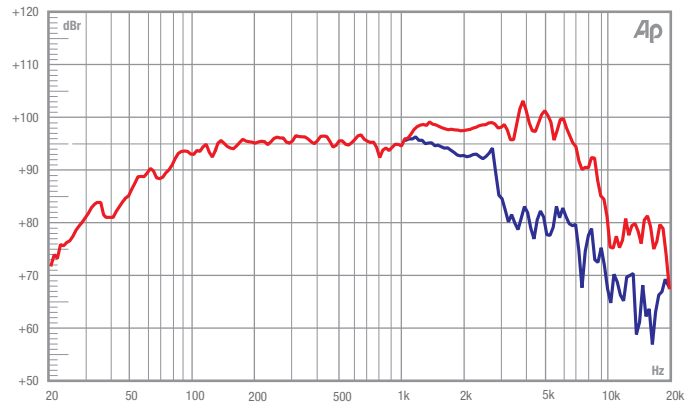
TECHNICAL & THIELE SMALL PARAMETERS

Fs	76 Hz
Re	5.5 Ω
Qms	6.039
Qes	0.409
Qts	0.383
Vas	18.70 Litres
Vd	0.08 Litres
Cms	0.239 mm/N
Bl	10 T/m
Mms	14.99 g
Xmax	3.75 mm
Sd	213.3 cm^2
Efficiency	1.956 %
Le (1k Hz)	1.5 mH
EBP	185.82 Hz
Effective Piston Diameter	6.48" / 164.59 mm
Rec. Enclosure Volume	TBC

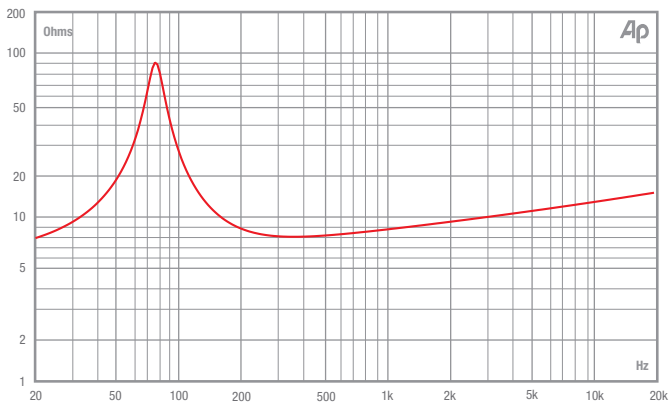
MOUNTING / SHIPPING INFORMATION

Overall Diameter	10.15" / 257.81 mm
Width Across Flats	6.3" / 133.35 mm
Depth	3.60" / 91.50 mm
Flange Height	7.5 mm
Baffle Hole Diameter F/M	186 mm
Baffle Hole Diameter R/M	186 mm
Magnet Diameter	95 mm
Chassis Material	**Die-cast Aluminium**
Gasket Supplied	Front & Rear
Outer Fixing Holes	4x ø 5.5 mm on 214 mm PCD
Inner Fixing Holes	N/A
Connectors (4)	Push-button Spring Terminals
Weight	**4.30 lb / 1.95 Kg**
Shipping Weight	5.20 lb / 2.36 Kg
Packing Carton Dimensions (mm)	(W) 235 (D) 235 (H) 130

FREQUENCY RESPONSE DATA (3)



IMPEDANCE



(1) *Please enquire about alternative impedances.*

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

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

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