

# PN-SERIES

## LOW FREQUENCY TRANSDUCER

# P-12N



### GENERAL SPECIFICATIONS

Nominal Diameter	: 305 mm	12 Inch
Rated Impedance	: 8	$\Omega$
Power Handling Capacity	: 400 W (rms)	
Sensitivity 2.83 V, 1M	: 96.6	dB
Effective Piston Diameter	: 265 mm	10.4 Inch
Voice Coil Diameter	: 99.30 mm	4 Inch

### THIELE-SMALL PARAMETERS

Resonance Frequency	Fs	59.8 Hz
DC Resistance	Re	6.8 $\Omega$
Mechanical Q Factor	Qms	7.106
Electrical Q Factor	Qes	0.346
Total Q Factor	Qts	0.330
BL Factor	BL	21.46 TM
Effective Moving Mass	Mms	62.51 gr
Equivalent Gas Air Load	Vas	48.71 liters
Effective Piston Area	Sd	0.0550 m <sup>2</sup>
Voice - Coil Inductance @ 1KHz	Le	1.24 mH
Half-Space Efficiency	Eff	2.90%
Airgap Height	Hag	15.0 mm
Voice Coil Height	Hvc	17.0 mm
Voice Coil Over-Hung	Xmax	1.0 mm

### PHYSICAL INFORMATION

Basket	: Cast Aluminium
Magnet Type, Size ODxIDxH (mm)	: 97 x 40 x 10
Neodymium	: 10.8 oz
Voice coil Former	: Fiber Glass Polyinid High Temp 400°C
Voice coil Material	: Aluminium Flat Wire 300°C
Cone Material	: Pulp Paper
Surround	: Treated Cloth
Spider	: Cotton Blen Polyester
Dust Cap	: Pulp Paper
Unit Weight	: 6.1 kgs/pcs
Gross Weight	: 7.3 kgs /pcs
Packing Dimension WxLxH (mm)	: 340 x 340 x 190
	: 13.3in X 13.3in X 7.4in
	: 0.78 Cu.Ft

### MOUNTING INFORMATION

