

# PN-SERIES

## LOW FREQUENCY TRANSDUCER

# P-18N



### GENERAL SPECIFICATIONS

Nominal Diameter	: 460	mm	18	Inch
Rated Impedance	: 8	$\Omega$		
Power Handling Capacity	: 800	W(rms)		
Sensitivity 2.83 V, 1M	: 98.3	dB		
Effective Piston Diameter	: 397	mm	15.6	Inch
Voice Coil Diameter	: 99.30	mm	4.0	Inch

### THIELE-SMALL PARAMETERS

Resonance Frequency	Fs	44.9Hz
DC Resistance	Re	5.2 $\Omega$
Mechanical Q Factor	Qms	10.269
Electrical Q Factor	Qes	0.350
Total Q Factor	Qts	0.339
BL Factor	BL	25.94TM
Effective Moving Mass	Mms	160.76gr
Equivalent Gas Air Load	Vas	170.42liters
Effective Piston Area	Sd	0.1240m <sup>2</sup>
Voice - Coil Inductance @ 1KHz	Le	1.82mH
Half-Space Efficiency	Eff	4.26%
Airgap Height	Hag	15.0mm
Voice Coil Height	Hvc	25.0mm
Voice Coil Over-Hung	Xmax	5.0mm

### PHYSICAL INFORMATION

Basket	: Cast Aluminium
Magnet Type, Size ODxDxH (mm)	: 97 x 40 x 12
Neodymium	: 13.0 oz
Voice Coil Former	: Fiber Glass Polyimid High Temp 400°C
Voice Coil Material	: Aluminium Flat Wire 300°C
Cone Material	: Pulp Paper
Surround	: Treated Cloth
Spider	: Cotton
Dust Cap	: Pulp Paper
Unit Weight	: 7.7 kgs/pcs
Gross Weight	: 9.5 kgs/pcs
Packing Dimension WxLxH (mm)	: 510 x 510 x 290
	: 20.0in X 20.0in X 11.4in
	: 2.66 Cu.Ft

### MOUNTING INFORMATION

