

# WINNER-SERIES

## MID & BASS TRANSDUCER

# WN-8S



### GENERAL SPECIFICATIONS

Nominal Diameter	: 200 mm	8.0 Inch
Rated Impedance	: 8 $\Omega$	
Power Handling Capacity	: 150 Watts(rms)	
Sensitivity 2.83 V, 1M	: 94.3 dB	
Effective Piston Diameter	: 170 mm	6.7 Inch
Voice Coil Diameter	: 51.3 mm	2.0 Inch

### THIELE-SMALL PARAMETERS

Resonance Frequency	Fs	65.4 Hz
DC Resistance	Re	6.8 $\Omega$
Mechanical Q Factor	Qms	4.026
Electrical Q Factor	Qes	0.346
Total Q Factor	Qts	0.319
BL Factor	BL	12.54 TM
Effective Moving Mass	Mms	19.49 gr
Equivalent Gas Air Load	Vas	22.01 liters
Effective Piston Area	Sd	0.0227 m <sup>2</sup>
Voice - Coil Inductance @ 1KHz	Le	0.68 mH
Half-Space Efficiency	Eff	1.72 %
Airgap Height	Hag	8 mm
Voice Coil Height	Hvc	13 mm
Voice Coil Over-Hung	Xmax	2.5 mm

### PHYSICAL INFORMATION

Basket	: Cast Aluminium
Magnet	: Neodymium
Voice Coil Former	: Glass Fiber Ployimide 400°C
Voice Coil Material	: CCAW 300°C
Cone Material	: Pulp Paper
Surround	: Treated Cloth
Dust Cap	: Paper
Unit Weight	: 1.3 kgs(2.86Lb)/pcs
Gross Weight	: 1.7 kgs(3.74Lb)/pcs
Packing Dimension WxLxH(mm)	: 230 x 230 x 125
	: 9.05inx9.05inx4.92in
	: 0.23 Cu.Ft

### MOUNTING INFORMATION

