

# WINNER-SERIES

## LOW & BASS TRANSDUCER

# WN-18S

### GENERAL SPECIFICATIONS

Nominal Diameter	: 460 mm	18	Inch
Rated Impedance	: 8 $\Omega$		
Power Handling Capacity	: 400 Watts(rms)		
Sensitivity 2.83 V, 1M	: 97 dB		
Effective Piston Diameter	: 385 mm	15.2	Inch
Voice Coil Diameter	: 76.2 mm	3.0	Inch



### THIELE-SMALL PARAMETERS

Resonance Frequency	Fs	30.8 Hz
DC Resistance	Re	6 $\Omega$
Mechanical Q Factor	Qms	7.445
Electrical Q Factor	Qes	0.243
Total Q Factor	Qts	0.235
BL Factor	BL	27.74 TM
Effective Moving Mass	Mms	160.76 gr
Equivalent Cas Air Load	Vas	318.31 liters
Effettive Piston Area	Sd	0.1164 m <sup>2</sup>
Voice - Coil Inductance @ 1KHz	Le	1.41 mH
Half-Space Efficiency	Eff	3.72 %
Airgap Height	Hag	12 mm
Voice Coil Height	Hvc	20 mm
Voice Coil Over-Hung	Xmax	4 mm

### PHYSICAL INFORMATION

Basket	: Cast Aluminium
Magnet	: Neodymium
Voice Coil Former	: Glass Fiber Ployimide 400°C
Voice Coil Material	: SV-Wire 300°C
Cone Material	: Pulp Paper
Surround	: Treated Cloth
Dust Cap	: Paper
Unit Weight	: 4.2 kgs(9.24Lb)/pcs
Gross Weight	: 5.9 kgs(12.9Lb)/pcs
Packing Dimension WxLxH(mm)	: 510 x 510 x 270 20.07inx 20.07inx1063in 2.48 Cu.Ft

### MOUNTING INFORMATION

