

# SD-15EL Low Frequency Transducer

# SD-Series

## Heavy Duty



### General Specifications

<b>Nominal Diameter</b>	380	mm	15	Inch
<b>Rated Impedance</b>	8	ohm		
<b>Operating Bandwidth</b>	20	Hz	- 400	Hz
<b>Power Handling Capacity</b>	800	W (rms)		
<b>Sensitivity 2.83 V, 1M</b>	93	dB		
<b>Effective Piston Diameter</b>	329	mm	13.0	Inch
<b>Voice Coil Diameter</b>	126.00	mm	5	Inch

### Thiele - Small Parameters

<b>Resonance Frequency</b>	Fs	52.4	Hz
<b>DC Resistance</b>	Re	5.5	ohm
<b>Mechanical Q Factor</b>	Qms	5.770	
<b>Electrical Q Factor</b>	Qes	0.582	
<b>Total Q Factor</b>	Qts	0.528	
<b>BL Factor</b>	BL	23.39	TM
<b>Effective Moving Mass</b>	Mms	175.73	gr
<b>Equivalent Cas air load</b>	Vas	54.53	liters
<b>Effettive piston area</b>	Sd	0.0850	m <sup>2</sup>
<b>Voice - coil inductance @ 1KHz</b>	Le	0.68	mH
<b>Half-space efficiency</b>	Eff	1.30	%
<b>Airgap Height</b>	Hag	12.0	mm
<b>Voice coil Height</b>	Hvc	25.0	mm
<b>Voice Coil Over-Hung</b>	Xmax	6.5	mm

### Physical Information

**Basket**  
**Magnet type,size ODxIDxH (mm)**  
**Voice coil Former**

**Voice coil Material**

**Cone Material**

**Surround**

**Dust Cap**

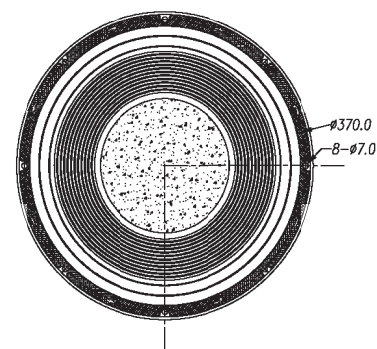
**Packing Quantity**

**Unit Weight /piece**

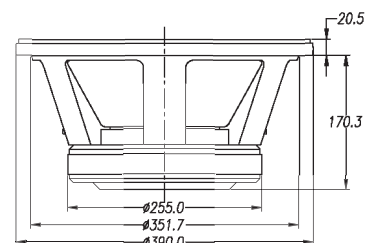
**Gross Weight / piece**

**Packing Dimension WxLxH (mm)**

Die Cast Aluminum  
 280X 150 X 25.4 Ferrite 196.6 oz.  
 Glass Fiber Bobbin (Ployimide)  
 High Temp 400°C  
 Aluminum Wire (inside & outside)  
 High Temp 300°C  
 Pulp Paper  
 Treated Cloth  
 Paper  
 1 Piece / Pack  
 13.8Kg (30.3Lb)  
 15.2Kg (33.4Lb)  
 435 X 435 X 255  
 17.1in X 17.1in X 10in  
 1.70 Cu.Ft.



TOP VIEW



SIDE VIEW

