PROFESSIONAL LOUDSPEAKERS

# 6RS140

6" - 200 W - 93 dB - 8 Ohm



## NOMINAL SPECIFICATIONS

| | |
|---|---|
| Nominal Diameter | 160 mm (6 in) |
| Overall Diameter | 186.5/162 mm (7.34/6.37 in) |
| Bolt Circle Diameter | 172 mm (6.77 in) |
| Baffle Cutout Diameter | 147 mm (5.79 in) |
| Depth | 76 mm (2.99 in) |
| Flange and Gasket Thickness | 11 mm (0.43 in) |
| **Net Weight** | **1.2 kg (2.6 lb)** |
| Shipping Box (Single Carton Box) | 190 x 185 x 103 mm (7.5 x 7.3 x 4.1 in) |
| Shipping Weight | 1.3 kg (2.9 lb) |

## PART NUMBER

| | |
|---|---|
| Push Terminals - 8 Ohm Version | 01604292 |
| Recone Kit - 8 Ohm Version | R1604292 |

## TECHNICAL PARAMETERS

| | |
|---|---|
| Nominal Impedance | 8 Ohm |
| Minimum Impedance | 6.3 Ohm |
| AES Power Handling **(1)** | 200 W |
| **Maximum Power Handling (2)** | **400 W** |
| **Sensitivity (1W/1m)** | **93 dB** |
| Frequency Range | 60÷6000 Hz |
| **Voice Coil Diameter** | **44 mm (1.73 in)** |
| Winding Material | Al |
| Former Material | Glass Fiber |
| Winding Depth | 13.2 mm (0.52 in) |
| **Magnetic Gap Depth** | **6 mm (0.24 in)** |
| Flux Density | 1.5 T |
| Magnet | Neodymium Ring |
| Basket Material | Aluminum |
| Demodulation | Aluminum Ring |
| Cone Surround **(3)** | Half Roll |
| NET Air Volume filled by Loudspeaker | 0.37 dm^3 (0.013 ft^3) |
| Spider Profile | 1x variable height waves |

## THIELE & SMALL PARAMETERS

| | |
|---|---|
| Fs | 65 Hz |
| Re | 5.3 Ohm |
| Qes | 0.28 |
| Qms | 5.8 |
| Qts | 0.27 |
| Vas | 9.3 dm^3 (0.33 ft^3) |
| Sd | 133 cm^2 (20.62 in^2) |
| Xmax **(4)** | 5.60 mm |
| Xdamage **(5)** | 11.6 mm |
| Mms | 16.0 g |
| Bl | 11 N/A |
| Le | 0.28 mH |
| Mmd | 14.3 g |
| Cms | 0.37 mm/N |
| Rms | 1.1 kg/s |
| Eta Zero | 0.86 % |
| EBP | 232 Hz |

**NOTES:**

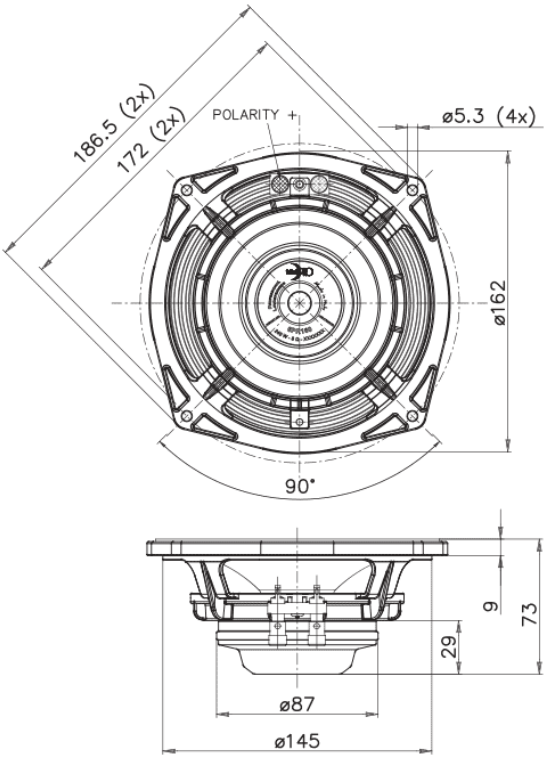
**(1)** 2 Hours Test According to AES 2-1984 Rev. 2003

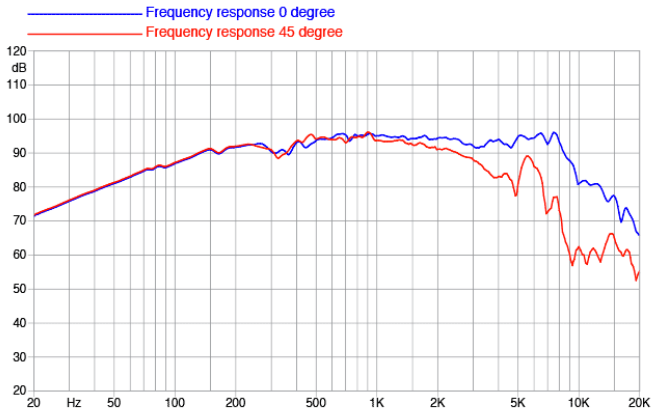
**(2)** Maximum power is defined as 3dB greater than nominal power.

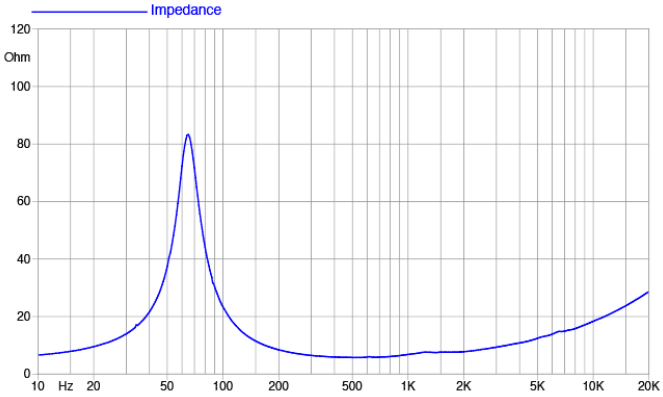
**(3)** Treated Polycotton

**(4)** Xmax= [(winding depth - magnetic gap depth)/2] + (magnetic gap depth/3)

**(5)** Maximum excursion before permanent damage





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