



PROFESSIONAL LOUDSPEAKER COMPONENTS

# WM1850/8

18" LF Sub Bass Driver

|          |           |             |            |
|----------|-----------|-------------|------------|
| 18"      | 1800W     | 93 dB       | 8 $\Omega$ |
| DIAMETER | AES POWER | SENSITIVITY | IMPEDANCE  |



## THIELE-SMALL PARAMETERS

|           |                              |                        |
|-----------|------------------------------|------------------------|
| $F_s$     | Resonance frequency          | 42.9Hz                 |
| $Q_{es}$  | Electrical Q                 | 0.682                  |
| $Q_{ms}$  | Mechanical Q                 | 11.551                 |
| $Q_{ts}$  | Total Q                      | 0.644                  |
| $V_{as}$  | Equivalent volume            | 120.93                 |
| $C_{ms}$  | Suspension compliance        | 0.055mm/N              |
| $R_{ms}$  | Mechanical resistance        | 5.834Kg/s              |
| $M_{ms}$  | Moving mass                  | 250.11g                |
| $Bl$      | Force factor                 | 12.860Tm               |
| $L_e$     | Voice coil inductance        | 0.324mH                |
| $S_d$     | Effective piston area        | 1,244.1cm <sup>2</sup> |
| $X_{max}$ | Linear excursion             | 12mm                   |
| $\eta_0$  | Reference efficiency         | 1.36%                  |
| EBP       | Efficiency bandwidth product | 62.9                   |

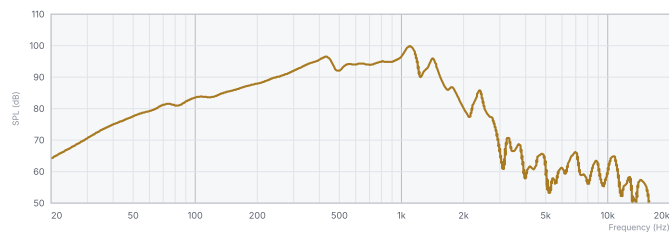
## NOMINAL SPECIFICATIONS

|                          |                |
|--------------------------|----------------|
| Nominal Impedance        | 8 Ohms         |
| DC Resistance (Re)       | 6 Ohms         |
| AES Power Handling       | 1800W          |
| Peak Power Handling      | 3600W          |
| Sensitivity (1W/1m)      | 93.51          |
| Usable Frequency Range   | 40Hz - 1,200Hz |
| Voice Coil Diameter (mm) | 125            |
| Voice Coil Former        | Fiber Glass    |
| Magnet Type              | Ferrite Ring   |
| Basket Material          | Aluminium      |

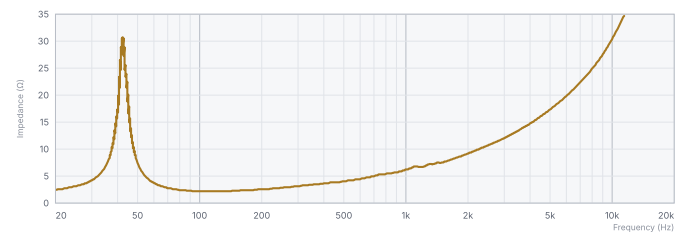
## MOUNTING & SHIPPING

|                                |              |
|--------------------------------|--------------|
| Nominal Diameter               | 18"          |
| Overall Diameter (mm)          | 460 / 18.11" |
| Baffle Cutout Diameter (mm)    | 392 / 15.43" |
| Bolt Circle Diameter (mm)      | 440 / 17.32" |
| Mounting Depth (mm)            | 202 / 7.95"  |
| Flange & Gasket Thickness (mm) | 1.5 / 0.06"  |
| Net Weight (Kg)                | 20           |
| Terminal Type                  | Push         |

## FREQUENCY RESPONSE



## IMPEDANCE



### NOTES

TS parameters measured after a 2 hour break in.  
Sensitivity measured at 1W at 1m in anechoic conditions.  
AES power rating determined using AES2.  
Peak power is rated at 3dB above the AES.

