

|                                |              |
|--------------------------------|--------------|
| Nominal Diameter               | 25 cm / 10 " |
| Rated Impedance                | 8            |
| Reference efficiency (1W @ 1m) | 94.5 dB SPL  |
| Power Handling Capacity        | 200 W AES    |
| SPL max (continuous)           | 115 dB SPL   |
| Usable frequency range         | 45-3000 Hz   |
| Speaker net mass               | 3 kg         |

### Architecture highlights :

- Noiseless natural convection Intercooling System
- Neodymium magnet system with symmetric BL(x) and Le(x)
- High compliance double half-roll Fabric Surround for low Fs
- Dual side coated diaphragm



| Motor architecture  |    |  |    |
|---------------------|----|--|----|
| Voice coil diameter | mm |  | 51 |
| Voice coil length   | mm |  | 13 |
| Air gap height      | mm |  | 8  |

| Typical characteristics        |                    |              |         |
|--------------------------------|--------------------|--------------|---------|
| Rated impedance                | Z                  | $\Omega$     | 8       |
| Half space sensitivity (1W@1m) | -                  | dB SPL       | 94.5    |
| Usable freq. range             | -                  | Hz           | 45-3000 |
| Power handling capacity (AES)  | -                  | W            | 200     |
| Max Sound Pressure Level       | SPL <sub>max</sub> | dB SPL       | 115     |
| Min. impedance modulus         | Z <sub>min</sub>   | $\Omega$ @Hz | 5.7@280 |
| Voice-coil inductance @ 1kHz   | Le <sub>1k</sub>   | mH           | 0.961   |
| Voice-coil inductance @ 10kHz  | Le <sub>10k</sub>  | mH           | 0.583   |
| BL product                     | BL                 | N/A          | 16.1    |
| Moving mass                    | Mms                | kg           | 0.045   |

| Thiele-Small parameters    |                      |                           |                   |
|----------------------------|----------------------|---------------------------|-------------------|
| Resonance frequency        | Fs                   | Hz                        | 57 ( $\pm 8$ )    |
| DC Resistance              | Re                   | $\Omega$                  | 5.4 ( $\pm 0.5$ ) |
| Mechanical quality factor  | Qms                  |                           | 5.31              |
| Electrical quality factor  | Qes                  |                           | 0.33              |
| Total quality factor       | Qts                  |                           | 0.31              |
| Suspension compliance      | Cms                  | $10^{-6}$ .m/N            | 180               |
| Effective piston area      | Sd                   | m <sup>2</sup>            | 0.0356            |
| Equivalent Cas air load    | Vas                  | m <sup>3</sup>            | 0.0311            |
| Max linear excursion       | Xmax                 | mm                        | $\pm 4.5$         |
| Linear displacement volume | Vd                   | $10^{-3}$ .m <sup>3</sup> | 0.1603            |
| Reference efficiency       | $\eta_0$             | %                         | 1.7               |
| Unity load volume          | Vas.Qts <sup>2</sup> | $10^{-3}$ .m <sup>3</sup> | 3.0               |

| Absolute maximum ratings      |      |              |            |
|-------------------------------|------|--------------|------------|
| Short term max. input voltage | Vmax | V            | 80         |
| Max.excursion before damage   | Xdam | mm           | 12.0       |
| Ambient operating temperature | Ta   | $^{\circ}$ C | -10 to +50 |
| Storage temperature           |      | $^{\circ}$ C | -20 to +70 |
| Environmental withstanding    |      |              | Tropical   |

| Mounting information                     |                           |  |                                 |
|--|---------------------------|--|---------------------------------|
| Air volume occupied by the driver        | $10^{-3}$ .m <sup>3</sup> |  | 1.4                             |
| Speaker net mass                         | kg                        |  | 3.0                             |
| Baffle cut-out diameter (front mounting) | mm                        |  | 229.0                           |
| Bolt number & Metric diameter            | -                         |  | 6x M5                           |
| Bolt circle diameter                     | mm                        |  | 266.0                           |
| Max overall dimension (on ears)          | mm                        |  | 283.5                           |
| Max overall dimension (out of ears)      | mm                        |  | 254.5                           |
| Flange height                            | mm                        |  | 11.0                            |
| Max magnet diameter                      | mm                        |  | 97.0                            |
| Max depth (front mounting)               | mm                        |  | 110.5                           |
| Recommended reflex box                   | Lts / Hz                  |  | 15L / 55Hz                      |
| Electrical connection                    |                           |  | $\varnothing 4$ mm Push buttons |

