

**10NDL64** 16 Ω

Woofer

- 500 W continuous program power capacity
- 64 mm (2.5 in) aluminium voice coil
- 50 - 3000 Hz response
- 97 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Ventilated voice coil gap for reduced power compression



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# Woofers

## SPECIFICATIONS

|                                                                                                                                                     |                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Nominal Diameter                                                                                                                                    | <b>250 mm (10 in)</b>            |
| Nominal Impedance                                                                                                                                   | <b>16 Ω</b>                      |
| Minimum Impedance                                                                                                                                   | <b>12.2 Ω</b>                    |
| Nominal Power Handling                                                                                                                              | <b>250 W</b>                     |
| 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air. |                                  |
| Continuous Power Handling                                                                                                                           | <b>500 W</b>                     |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating.                                                                     |                                  |
| Sensitivity                                                                                                                                         | <b>97 dB</b>                     |
| Applied RMS Voltage is set to 4 V for 16 ohms Nominal Impedance.                                                                                    |                                  |
| Frequency Range                                                                                                                                     | <b>50 Hz - 3000 Hz</b>           |
| Voice Coil Diameter                                                                                                                                 | <b>64 mm (2.5 in)</b>            |
| Winding Material                                                                                                                                    | <b>Aluminium</b>                 |
| Former Material                                                                                                                                     | <b>Glass Fibre</b>               |
| Winding Depth                                                                                                                                       | <b>13 mm (0.51 in)</b>           |
| Magnetic Gap Depth                                                                                                                                  | <b>8 mm (0.31 in)</b>            |
| Flux Density                                                                                                                                        | <b>1.25 T</b>                    |
| Woofers Cone Treatment                                                                                                                              | <b>TWP Waterproof Both Sides</b> |

## PARAMETERS

Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

|      |                            |
|------|----------------------------|
| Fs   | <b>58 Hz</b>               |
| Re   | <b>10.5 Ω</b>              |
| Qes  | <b>0.33</b>                |
| Qms  | <b>3.6</b>                 |
| Qts  | <b>0.3</b>                 |
| Vas  | <b>34.5 dm³ (1.22 ft³)</b> |
| Sd   | <b>320 cm² (50 in²)</b>    |
| η0   | <b>1.95 %</b>              |
| Xmax | <b>4.5 mm</b>              |
| Xvar | <b>7 mm</b>                |
| Mms  | <b>32 g</b>                |
| Bl   | <b>19.1 Tm</b>             |
| Le   | <b>1.3 mH</b>              |
| EBP  | <b>176 Hz</b>              |

## DESIGN

|                        |                                  |
|------------------------|----------------------------------|
| Surround Shape         | <b>Double Roll</b>               |
| Cone Shape             | <b>Exponential</b>               |
| Magnet Material        | <b>Neodymium Inside Slug</b>     |
| Spider                 | <b>Single</b>                    |
| Pole Design            | <b>Straight Pole</b>             |
| Woofers Cone Treatment | <b>TWP Waterproof Both Sides</b> |
| Recommended Enclosure  | <b>26 dm³ (0.92 ft³)</b>         |
| Recommended Tuning     | <b>62 Hz</b>                     |
| Recommended Loading    | <b>Vented Box</b>                |

## MOUNTING AND SHIPPING INFO

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Overall Diameter              | <b>261 mm (10.3 in)</b>                     |
| Bolt Circle Diameter          | <b>245 mm (9.6 in)</b>                      |
| Baffle Cutout Diameter        | <b>230 mm (9.1 in)</b>                      |
| Depth                         | <b>113 mm (4.4 in)</b>                      |
| Flange and Gasket Thickness   | <b>13 mm (0.5 in)</b>                       |
| Air Volume Occupied by Driver | <b>1.5 dm³ (0.05 ft³)</b>                   |
| Net Weight                    | <b>2.9 kg (6.4 lb)</b>                      |
| Shipping Units                | <b>1 pcs</b>                                |
| Shipping Weight               | <b>3.5 kg (7.7 lb)</b>                      |
| Shipping Box                  | <b>295x314x175 mm (11.61x12.36x6.89 in)</b> |

## SERVICE KITS

|                |                     |
|----------------|---------------------|
| LF recone-kits | <b>RCK10NDL6416</b> |
|----------------|---------------------|

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