

# SYSTEM

## ESK 165.5 300W

### Technical Specifications

| Component                         | -                      | Two way system                   |
|-----------------------------------|------------------------|----------------------------------|
| Woofer size                       | mm (in.)               | 165 (6.5)                        |
| Tweeter diaphragm                 | mm (in.)               | 26 (1)                           |
| Power handling                    | W peak<br>W continuous | 300<br>100                       |
| Impedance                         | $\Omega$               | 4                                |
| Frequency response                | Hz                     | 60 ÷ 23k                         |
| Sensitivity                       | dB SPL                 | 93,5                             |
| Woofer magnet size D-d-h          | mm (in.)               | 85 x 32 x 15 (3.35 x 1.26 x 0.5) |
| Tweeter magnet size D-d-h         | mm (in.)               | 19 x 3 (0.75 x 0.12)             |
| Woofer voice coil Ø               | mm (in.)               | 25 (1)                           |
| Tweeter voice coil Ø              | mm (in.)               | 20 (0.8)                         |
| Woofer magnet                     | -                      | High density flux ferrite        |
| Tweeter magnet                    | -                      | Neodymium                        |
| Woofer cone                       | -                      | Water repellent pressed paper    |
| Tweeter dome                      | -                      | Tetolon                          |
| Crossover type                    | -                      | LP/HP @ 3 kHz - 6/12 dB Oct.     |
| Component adjustment              | dB                     | +2; 0; -2                        |
| Woofer weight of one component    | kg (lb.)               | 0,96 (2.12)                      |
| Tweeter weight of one component   | kg (lb.)               | 0,03 (0.07)                      |
| Crossover weight of one component | kg (lb.)               | 0,17 (0.37)                      |

### Electro-Acoustic Parameters

|      |          | Tweeter | Woofer |
|------|----------|---------|--------|
| D    | mm       | 20      | 134    |
| Xmax | mm       | -       | 3      |
| Re   | $\Omega$ | 3,7     | 3,1    |
| Fs   | Hz       | 1350    | 70     |
| Le   | mH       | 0,02    | 0,18   |
| Vas  | l        | -       | 10,4   |
| Mms  | g        | 0,19    | 13,7   |
| Cms  | mm/N     | 0,07    | 0,37   |
| BL   | T-m      | 1,5     | 5      |
| Qts  | -        | 0,9     | 0,61   |
| Qes  | -        | 2,7     | 0,76   |
| Qms  | -        | 1,5     | 3,2    |
| Spl  | dB       | 92      | 93,5   |



#### ET 26.5

1. Tetolon dome, with hemispheric profile and wide roll surround; extremely light weight and properly damped for smooth and extended high frequency response.
2. Acoustic compression chamber; high efficiency and off-axis optimized response.
3. CCAW (Copper Clad Aluminium Wire) ultra light ferrofluid-cooled mobile voice coil.
4. High energy neodymium magnet.
5. Low carbon content plates for maximum magnetic permeability and high heat dissipation.
6. Damping material; controlling acoustic resonances insuring clear, high frequency tones.

#### EV 165.5

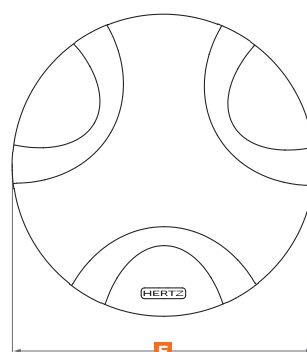
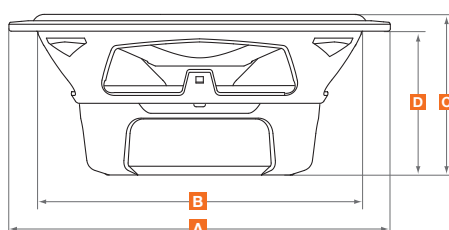
1. V-cone® for best off-axis response and clear mid-high frequency detail.
2. Water-repellent treated paper cone; butyl rubber surround.
3. Pure copper voice coil, wound on aluminium former, for exceptional thermal and mechanical capacity.
4. Large motor assembly for excellent control of voice coil.
5. Low carbon content plates for maximum magnetic permeability and high heat dissipation.
6. Rubber magnet cover provides damping to the basket and motor structure and protects from abrasions and damages.
7. DIN size basket coated with scratch-proof, corrosive-resistant material.
8. Tin-plated, high current terminals.
9. Silver-plated lead wires, for maximum reliability and conductivity.
10. Epoxy glue for basket and motor system provides perfect coupling.
11. Curve memory Nomex spider for consistent, reliable performance.

\*Tweeter mounting accessories and woofer grille included.

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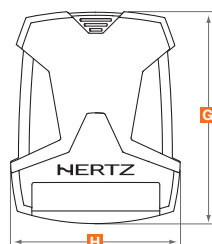
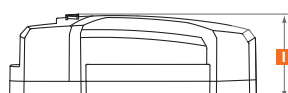
|   |        |          |
|---|--------|----------|
| A | 165 mm | 6.5 in.  |
| B | 142 mm | 5.6 in.  |
| C | 70 mm  | 2.83 in. |
| D | 64 mm  | 2.56 in. |



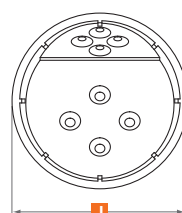
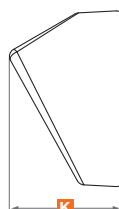
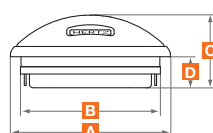
|   |        |          |
|---|--------|----------|
| E | 184 mm | 7.25 in. |
| F | 25 mm  | 0.98 in. |



|   |          |          |
|---|----------|----------|
| G | 102,5 mm | 4.03 in. |
| H | 82 mm    | 3.23 in. |
| I | 34 mm    | 1.34 in. |



|   |         |          |
|---|---------|----------|
| A | 44 mm   | 1.7 in.  |
| B | 38,5 mm | 1.5 in.  |
| C | 20 mm   | 0.78 in. |
| D | 8,5 mm  | 0.33 in. |



|   |         |          |
|---|---------|----------|
| K | 28,3 mm | 1.11 in. |
| J | 44,3 mm | 1.75 in. |
| R | 48 mm   | 1.89 in. |
| S | 10 mm   | 0.4 in.  |
| T | 10 mm   | 0.4 in.  |

