



## SPH-165CP

Order No.: 0102330

### PRODUCTINFOS

**High-performance hi-fi bass-midrange speaker, 80 W, 8  $\Omega$**

- Extra large voice coil ( $\varnothing$  50 mm)
- Parameters for a deep bass reproduction
- Extra long excursion
- Bass speaker for interesting dual arrangements in very slim 3-way high-performance speaker systems and for 2-way bookshelf speakers of high power capability

#### HOBBY HiFi 04/2017

“Requires 13 to 18 litres only. However, still provides an incredibly deep bass reproduction down to almost 30 Hz.”

### TECHNICAL SPECIFICATIONS

#### SPH-165CP

Impedance (Z)

8  $\Omega$

**SPH-165CP**

|                                      |                      |
|--------------------------------------|----------------------|
| Frequency range                      | f3-6,000 Hz          |
| Resonant frequency (fs)              | 30 Hz                |
| Power rating (RMS)                   | 80 W                 |
| Peak music power output (MAX)        | 120 W                |
| SPL                                  | 89 dB/W/m            |
| Suspension compl. (Cms)              | 1.71 mm/N            |
| Moving mass (Mms)                    | 17 g                 |
| Mech. Q factor (Qms)                 | 4.85                 |
| Electr. Q factor (Qes)               | 0.33                 |
| Total Q factor (Qts)                 | 0.31                 |
| Equivalent volume (Vas)              | 38 l                 |
| DC resistance (Re)                   | 6 $\Omega$           |
| Force factor (BxL)                   | 7.60 Tm              |
| Voice coil induct. (Le)              | 0.7 mH               |
| Voice coil diameter                  | Ø 50 mm              |
| Voice coil former                    | glass fibre          |
| Linear excursion (X <sub>MAX</sub> ) | ± 4.75 mm            |
| Eff. cone area (Sd)                  | 127 cm <sup>2</sup>  |
| Magnet weight                        | 840 g + 50 g         |
| Magnet diameter                      | Ø 120 mm             |
| Mounting cutout                      | Ø 142 mm             |
| Mounting depth                       | 86 mm                |
| Dimensions                           | 165 x 165 x 90 mm    |
| Width                                | 165 mm               |
| Height                               | 165 mm               |
| Depth                                | 90 mm                |
| Colour                               | black                |
| Admiss. ambient temp.                | 0-40 °C              |
| Weight                               | 2.57 kg              |
| Packing unit                         | 1                    |
| Type of speaker                      | 6.5"                 |
| Packing dimensions (W x H x L)       | 0.17 x 0.11 x 0.17 m |
| Gross weight                         | 2.68 kg              |
| Net weight                           | 2.57 kg              |