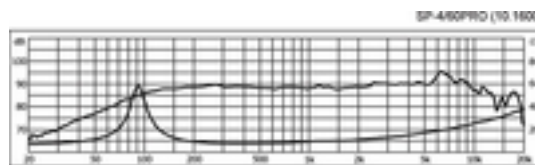
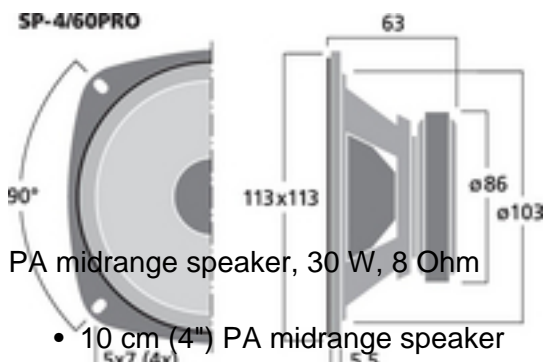


## SP-4/60PRO - PA Bass Speaker



PA midrange speaker, 30 W, 8 Ohm

- 10 cm (4") PA midrange speaker
- Midrange speaker from the L-RAY/1000
- Very linear and wide frequency range
- Excellent sound and dynamic characteristics
- Very low crossover frequency at subwoofer systems possible due to a great linear excursion for a midrange system
- Ideally suited for small PA systems, column speakers and also as a hi-fi midrange speaker

HOBBY HiFi 01/2013

"Impressively low THD values for a crystal-clear reproduction of the midrange."

HiFi-Selbstbau 07/2012

"Attractive price, unobtrusive, yet very good. This perfectly describes the midrange speaker SP-4/60PRO from IMG Stage Line. You can often be more successful when using your head instead of excessive material,



... The staff from MONACOR know exactly why they accommodate two of the SP-4/60PRO in the PA combination L-RAY/1000. We have always been curious as to why they only used a 10 cm speaker - but now we know why: the speaker is capable of a powerful bass reproduction without any kind of hesitation. They have done EVERYTHING right."

## Technical data:

Impedance (Z)	: 8 Ohm
Transmission technology	: -
Frequency range	: f3-10,000 Hz
Resonant frequency (fs)	: 92 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	: -
Power rating (RMS)	: 30 W
Peak music power output (MAX)	: 60 W
SPL	: 90 dB/W/m
Max. rated SPL	: -
Max. voltage	: -
Radiation angle	: -
Radiation angle, horizontal	: -
Radiation angle, vertical	: -
Suspension compl. (Cms)	: 0.47 mm/N
Moving mass (Mms)	: 6.3 g
Mech. Q factor (Qms)	: 5.35
Electr. Q factor (Qes)	: 0.67
Total Q factor (Qts)	: 0.60
Equivalent volume (Vas)	: 3.0 l
DC resistance (Re)	: 6.76 Ohm
Force factor (BxL)	: 5.85 Tm
Voice coil induct. (Le)	: 0.3 mH
Voice coil diameter	: $\varnothing \sim 25$ mm
Voice coil former	: Kapton
Linear excursion (X <sub>MAX</sub> )	: $\pm 2.3$ mm
Eff. cone area (Sd)	: 68 cm <sup>2</sup>
Magnet weight	: 370 g
Magnet diameter	: $\varnothing \sim 86$ mm
Mounting cutout	: $\varnothing \sim 103$ mm
Mounting depth	: 57.5 mm
Mounting hole diameter	: -
Hole spacing X-axis	: -
Hole spacing Y-axis	: -
Dimensions	: 113 x 113 x 63 mm
Outside diameter	: -



Width	: 113 mm
Height	: 113 mm
Depth	: 63 mm
Colour	: black
Protective class	: -
Admiss. ambient temp.	: 0-40 °C
Weight	: 0.9 kg
Packing unit	: 1
Type of speaker	: 4"
Packing dimensions (W x H x L)	: 0.135 x 0.1 x 0.135 m
Gross weight	: 1.01 kg
Net weight	: 0.888 kg
Low-impedance	: 1