

## Speakers

### SPH-30X/8

Number 10.4410

**New HiFi Full Range Speakers in Miniature Size! High-quality HiFi full range speakers, 50W<sub>MAX</sub>, 8" (8) or 4" (4)**



These full range speakers combine numerous highlights of the speaker technology on a minimum of space: a Kevlar cone of extra low weight, but nevertheless well dampened, a motor system with full air ventilation, a high-quality NEODYMIUM magnetic system with double magnet and a newly developed basket which allows mounting at a favourable price even with multiple arrangements. These small speakers of amazingly high efficiency can be used for versatile applications, ranging from small speakers for background PA applications or e.g. rear speakers in home cinema systems, applications as mid-high range speakers or full range midrange speakers in high-end HiFi speaker systems to multiple arrangements in column speakers.



### HiFi-Selbstbau, Online magazine 2008

"The SPH-30X/4 from MONACOR is a state-of-the-art 3" full range speaker of good workmanship with more strong points than weaknesses. It does not feature an extra linear frequency response, but nevertheless can be used for versatile applications which may sometimes be of higher volume levels.

### Klang+Ton 04/2004

"Outstanding with an unexpectedly high efficiency."

## Technical Facts Speakers

Impedance (Z)	8Ω
Resonant frequency (fs)	105Hz
Max. frequency range	f3-17,000Hz
Music power	50W <sub>MAX</sub>
Power rating (P)	20W <sub>RMS</sub>
SPL (1W/1m)	87dB
Suspension compl. (Cms)	0.90mm/N
Moving mass (Mms)	2.65g
Mech. Q factor (Qms)	8.59
Electr. Q factor (Qes)	0.49
Total Q factor (Qts)	0.46
Equivalent volume (Vas)	1.13 l
DC resistance (Re)	5.7Ω
Force factor (BxL)	4.48Tm
Voice coil induct. (Le)	0.5mH
Voice coil diameter	21mm
Voice coil former	Kapton
Linear excursion (X <sub>MAX</sub> )	±2mm
Eff. cone area (Sd)	30cm <sup>2</sup>
Magnet weight	NEODYMIUM
Weight	150g