



HIQUPHON

to music with love...

Thank you for buying this Hiquphon product

Yours sincerely

to music with love...



.....
Oskar Wrønding (OW)
Manager and single owner of

HIQUPHON, Denmark

Denmark is a Kingdom in Scandinavia, Europe
and a member of the European Union

Hiquphon, Purkaervej 80, 9490 Pandrup, Denmark.
Phone: +45 9824 6400 Fax: +45 9824 6561

<http://www.hiquphon.dk>
info@hiquphon.dk

Copyright (c) 1998...2007. All rights reserved.



OW 4

High End
20mm (3/4") Soft Dome Tweeter
"the Platinum dome"
by HiQUPHON

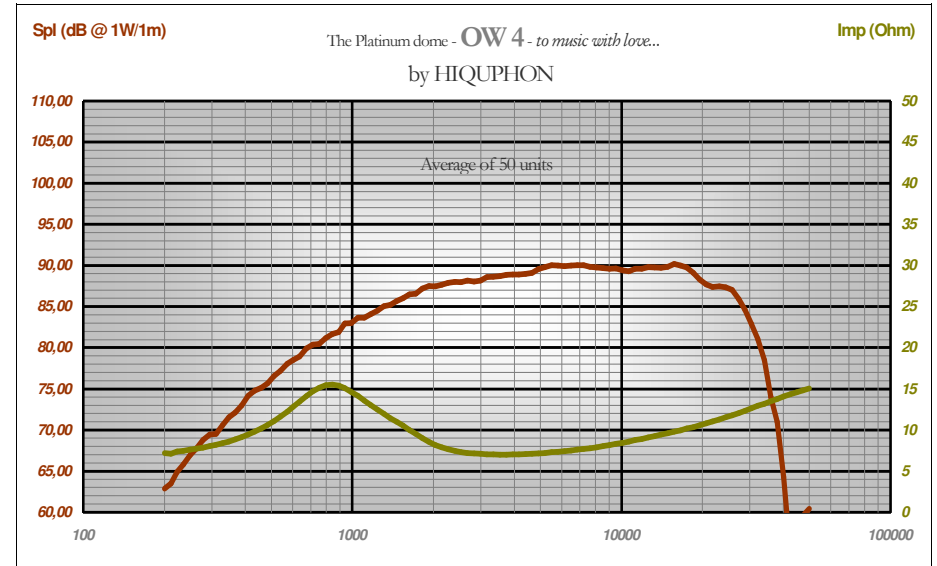
OW 4 is a soft dome tweeter (3/4") offering a unique analytic capability and high sensitivity. A very musical dome tweeter!

Very fast responding (settling), analytical and matched to secure excellent stereo perspective.

Excellent for use in high-end 3-way loudspeaker systems in general. Also a great choice for 2-way loudspeaker systems using broad-banded mid-bass drivers matching the quality of the tweeter.

OW 4 was designed mainly for use in private home loudspeakers but is also being used with great success in studio monitors because of its very low distortion, analytical response and very close matching.

Average acoustical data		
Nominal sensitivity SPL (1W/1m)	dB	90
Recommended frequency range *)	kHz	2,5 - 22
Frequency range 90 dB -1 dB	kHz	4 - 19
Frequency range 90 dB -3 dB	kHz	1,8 - 25
Nominal resonance frequency Fs +/-10%	Hz	850
Nominal impedance (at 9 kHz)	ohm	8
Minimum impedance (at ~ 3.8 kHz)	ohm	7.0
DC resistance (at 0 Hz)	ohm	6.4
Peak impedance +/- 10% at Fs	ohm	15
Voice coil inductance	mH	0.03
Rated power *)	Watt	100
THD + N at 1W sinus / 2.5-22 kHz	%	<0.15
Acoustical center relative to front	mm	-11.3
Dome diaphragm diameter nominal	mm	20
Voice coil diameter nominal	mm	20
Voice coil winding height	mm	3
Air gap height	mm	1.2
Peak - peak movement max recomm.	mm	1.8
Flux gap density	Tesla	1.4
Effective cone area	mm ²	380
Dynamic moving mass	mg	175
Measuring conditions: Temp / humidity	°C&%rH	20 / 50
*) Using crossover with 12 dB or higher		
Mechanical data		
Diameter flange (all over)	mm	94
All over height of unit	mm	41.5
Diameter body (Box hole: add 1 mm)	mm	68
Thickness flange	mm	3.7
3 screw holes on dividing circle dia.	mm	82.2
Diameter screw holes, countersunk	mm	4.3
Leads dimension max accepted	mm	2.5
Color chassis, standard	#	black
Color of dome diaphragm	#	"Platinum"
Gross weight	kg	0.36



Special features OW 4:

- Featuring "Platinum" dome for unique design
- Excellent frequency linearity 3 – 20 kHz and excellent phase linearity
- Smooth roll-off at low and high frequencies
- Low and well damped resonance frequency
- Well controlled damped low frequency response, soft raising
- Very broad-banded (2 kHz to 22 kHz, nominal –3 dB)
- Fast transient response
- Very low distortion
- A-periodic damped moving system
- Exponential phase-correction, semi horn-loaded
- Saturated rounded magnet gap for low magnetic distortion
- Perfect sealed housing
- Heavy duty connectors for 2.5 mm lead wire, non-vibrating
- Large soldering joints using large-surface copper plated PCB inside
- Shock absorbing construction
- Selected as *matched pairs* within *0,5 dB between 2 kHz–20 kHz*
- Original data curves supplied as part of the package
- Packed as two-in-a-box with original curves included, ready for resale.
- Beautiful sound capabilities
- Please observe that this tweeter is NOT magnetic shielded!

♥ to music with love...