

## SYSTEM HI ENERGY

### HSK 130 200 Watt

#### Technical Specifications

Component	2 way system	
<b>Size</b>	HV 130 woofer	130 (5 <sup>1/4</sup> )
mm	HT 25 tweeter	25 (1")
<b>Power Handling</b>	W peak	200
	W continuous	100
<b>Impedance</b>	Ω	4
<b>Frequency response</b>	Hz	60 ÷ 22k
<b>Sensitivity</b>	dB/SPL	91
<b>Crossover included</b>	LO/Hi-pass	3.2 kHz @ 12/12 dB OCT.
<b>Component adjustment</b>	Tweeter	-2; 0; +2
<b>Outer Ø</b>	Woofer	131
mm	Tweeter	44
<b>Mounting Ø</b>	Woofer	115
mm	Tweeter	41
<b>Total depth</b>	Woofer	73,5
mm	Tweeter	26
<b>Mount. depth</b>	Woofer	65
mm	Tweeter	15
<b>Magnet size</b>	Woofer	85
mm	Tweeter	24,5
<b>Weight of one component</b>	Woofer	1,04
kg	Tweeter	0,06
<b>Voice coil Ø</b>	Woofer	25
mm	Tweeter	25

#### HV 130 Electro-Acoustic Parameters

<b>D</b>	mm	105
<b>Xmax</b>	mm	3
<b>Re</b>	Ω	3,1
<b>Fs</b>	Hz	80
<b>Le</b>	mH@1kHz	0,34
<b>Le</b>	mH@10kHz	0,19
<b>Vas</b>	l	5,00
<b>Mms</b>	g	9,5
<b>Cms</b>	mm/N	0,45
<b>BL</b>	T-m	5,40
<b>Qts</b>		0,50
<b>Qes</b>		0,55
<b>Qms</b>		11,00
<b>Spl (1m/2,83V)</b>	dB	91

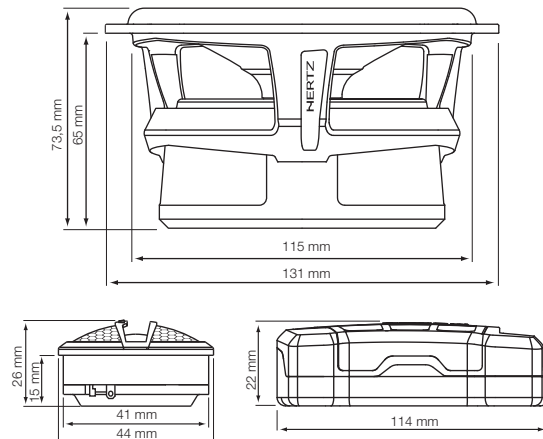


#### Tweeter:

- 1 Tetolon® soft dome tweeter.
- 2 25mm ø, ferrofluid-cooled mobile voice coil.
- 3 High energy Neodymium magnet.
- 4 Rear acoustic chamber.
- 5 Revolving support and accessories for factory location and flush mounting.
- 6 Very flexible, high current input cable.

#### Woofer:

- 1 Soft iron plates for high heat dissipation, part of the symmetrical magnetic flux motor.
- 2 Over-sized magnet; provides outstanding energy for maximum control.
- 3 Pure copper voice coil wound on a KSV former; for excellent thermal and mechanical capability.
- 4 Vented bottom plate; improves linearity and thermal dissipation.
- 5 Damped Mesh Fibre Cone; for extended bandwidth and smooth response.
- 6 V-cone®; for the best off-axis dispersion and mid-high frequency detail.
- 7 Anti-vibration rubber magnet cover; damps spurious vibrations.
- 8 Aerodynamic die-cast aluminium basket; eliminating rear wave reflections.
- 9 Radial Venting System; for efficient thermal management.
- 10 Loss-less Polymer Rubber Surround; for long throw and maximum damping.
- 11 Grille included.



## SYSTEM **HI ENERGY**

### HSK 165 **250 Watt**

#### Technical Specifications

Component	2 way system	
<b>Size</b>	HV 165 woofer	165 (6 <sup>1/2</sup> )
mm	HT 25 tweeter	25 (1")
<b>Power Handling</b>	W peak	250
	W continuous	125
<b>Impedance</b>	Ω	4
<b>Frequency response</b>	Hz	50 ÷ 22k
<b>Sensitivity</b>	dB/SPL	92
<b>Crossover included</b>	LO/HI-pass	3.2 kHz @ 12/12 dB OCT.
<b>Component adjustment</b>	Tweeter	-2; 0; +2
<b>Outer Ø</b>	Woofer	167
mm	Tweeter	44
<b>Mounting Ø</b>	Woofer	146
mm	Tweeter	41
<b>Total depth</b>	Woofer	79
mm	Tweeter	26
<b>Mount. depth</b>	Woofer	69
mm	Tweeter	15
<b>Magnet size</b>	Woofer	85
mm	Tweeter	24,5
<b>Weight of one component kg</b>	Woofer	1,13
	Tweeter	0,06
<b>Voice coil Ø</b>	Woofer	30
mm	Tweeter	25

#### HV 165 Electro-Acoustic Parameters

<b>D</b>	mm	130
<b>Xmax</b>	mm	3
<b>Re</b>	Ω	3,0
<b>Fs</b>	Hz	70
<b>Le</b>	mH@1kHz	0,40
<b>Le</b>	mH@10kHz	0,23
<b>Vas</b>	l	8,00
<b>Mms</b>	g	13,5
<b>Cms</b>	mm/N	0,32
<b>BL</b>	T-m	6,00
<b>Qts</b>		0,60
<b>Qes</b>		0,65
<b>Qms</b>		10,00
<b>Spl (1m/2,83V)</b>	dB	92

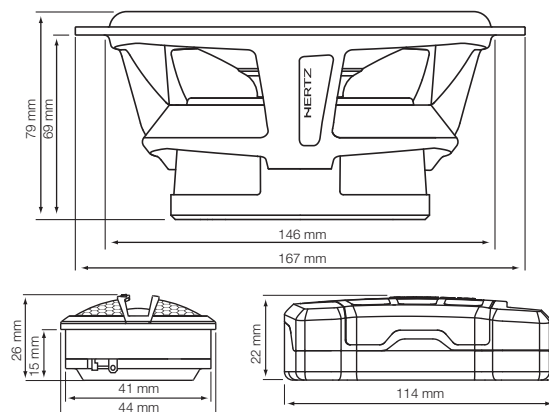


#### Tweeter:

- 1 Tetolon® soft dome tweeter.
- 2 25mm ø, ferrofluid-cooled mobile voice coil.
- 3 High energy Neodymium magnet.
- 4 Rear acoustic chamber.
- 5 Revolving support and accessories for factory location and flush mounting.
- 6 Very flexible, high current input cable.

#### Woofer:

- 1 Soft iron plates for high heat dissipation, part of the symmetrical magnetic flux motor.
- 2 Over-sized magnet; provides outstanding energy for maximum control.
- 3 Pure copper voice coil wound on a KSV former; for excellent thermal and mechanical capability.
- 4 Vented bottom plate; improves linearity and thermal dissipation.
- 5 Damped Mesh Fibre Cone; for extended bandwidth and smooth response.
- 6 V-cone®; for the best off-axis dispersion and mid-high frequency detail.
- 7 Anti-vibration rubber magnet cover; damps spurious vibrations.
- 8 Aerodynamic die-cast aluminium basket; eliminating rear wave reflections.
- 9 Radial Venting System; for efficient thermal management.
- 10 Loss-less Polymer Rubber Surround; for long throw and maximum damping.
- 11 Grille included.



**SYSTEM** 

**HSK 163** **300 Watt**



**Technical Specifications**

<b>Component</b>	3 way system	
<b>Size</b>	HV 165L Woofer	165 (6 <sup>11/2</sup> )
<b>mm</b>	HL 70 Midrange	70 (3 <sup>1/2</sup> )
	HT 25 Tweeter	25 (1 <sup>1/4</sup> )
<b>Power Handling</b>	W peak	300
	W continuous	150
<b>Impedance</b>	Ω	4
<b>Frequency response</b>	Hz	40 ÷ 22k
<b>Sensitivity</b>	dB/SPL	92
<b>Crossover included</b>	LO/BAND/HI-pass	500/4.5kHz @ 6/6-6/12dB OCT.
<b>Component adjustment</b>	Tweeter	-2; 0; +2
	Midrange	-2; 0; +2
<b>Outer Ø</b>	Woofer	167
<b>mm</b>	Midrange	88
	Tweeter	44
<b>Mounting Ø</b>	Woofer	146
<b>mm</b>	Midrange	73
	Tweeter	41
<b>Total depth</b>	Woofer	79
<b>mm</b>	Midrange	44
	Tweeter	26
<b>Mount. depth</b>	Woofer	70,5
<b>mm</b>	Midrange	38
	Tweeter	15
<b>Magnet size</b>	Woofer	85
<b>mm</b>	Midrange	40
	Tweeter	24,5
<b>Weight of one component</b>	Woofer	1,18
<b>kg</b>	Midrange	0,17
	Tweeter	0,06
<b>Voice coil Ø</b>	Woofer	30
<b>mm</b>	Midrange	20
	Tweeter	25

**Tweeter:**

- 1 Tetolon® soft dome tweeter.
- 2 25mm ø, ferrofluid-cooled mobile voice coil.
- 3 High energy Neodymium magnet.
- 4 Rear acoustic chamber.
- 5 Revolving support and accessories for factory location and flush mounting.
- 6 Very flexible, high current input cable.

**Midrange:**

- 1 REN® Neodymium magnet; for the greatest energy in the smallest space.
- 2 Four layer CCAW voice coil wound on a KSV former; for excellent thermal and mechanical capacity.
- 3 Damped Mesh Fibre Cone; for extended bandwidth and smooth response.
- 4 V-cone®; for the best off-axis dispersion and mid-high frequency detail.
- 5 Anti-vibration rubber magnet cover; damps spurious vibrations.
- 6 Radial Venting System; for efficient thermal management.
- 7 Loss-less Polymer Rubber Surround; for long throw and maximum damping.
- 8 Grille included.

**Woofer:**

- 1 Soft iron plates for high heat dissipation, part of the symmetrical magnetic flux motor.
- 2 Over-sized magnet; provides outstanding energy for maximum control.
- 3 Pure copper voice coil wound on a KSV former; for excellent thermal and mechanical capability.
- 4 Vented bottom plate; improves linearity and thermal dissipation.
- 5 Pulp cone mixed with cotton fibre; for powerful low frequency response.
- 6 V-cone®; for the best off-axis dispersion and mid frequency detail.
- 7 Anti-vibration rubber magnet cover; damps spurious vibrations.
- 8 Aerodynamic die-cast aluminium basket; eliminating rear wave reflections.
- 9 Radial Venting System; for efficient thermal management.
- 10 Loss-less Polymer Rubber Surround; for long throw and maximum damping.
- 11 Grille included.

