

# SYSTEM

## ESK F165.5 270W

### Technical Specifications

Component	-	Two way system
Woofer size	mm (in.)	165 (6.5)
Tweeter diaphragm	mm (in.)	26 (1)
Power handling	W peak	270
	W continuous	90
Impedance	Ω	4
Frequency response	Hz	65 ÷ 23k
Sensitivity	dB SPL	93,5
Woofer magnet size D-d-h	mm (in.)	90 x 32 x 10 (3.55 x 1.26 x 0.4)
Tweeter magnet size D-d-h	mm (in.)	19 x 3 (0.75 x 0.12)
Woofer voice coil Ø	mm (in.)	25 (1)
Tweeter voice coil Ø	mm (in.)	20 (0.8)
Woofer magnet	-	High density flux ferrite
Tweeter magnet	-	Neodymium
Woofer cone	-	Water repellent pressed paper
Tweeter dome	-	Tetolon
Crossover type	-	LP/HP @ 3 kHz - 6/12 dB Oct.
Component adjustment	dB	+2; 0; -2
Woofer weight of one component	kg (lb.)	0,71 (1.57)
Tweeter weight of one component	kg (lb.)	0,03 (0.07)
Crossover weight of one component	kg (lb.)	0,17 (0.37)

### Electro-Acoustic Parameters

		Tweeter	Woofer
D	mm	20	134
Xmax	mm	-	3
Re	Ω	3,7	2,7
Fs	Hz	1350	80
Le	mH	0,02	0,14
Vas	l	-	9,4
Mms	g	0,19	12
Cms	mm/N	0,07	0,33
BL	T-m	1,5	3,9
Qts	-	0,9	0,8
Qes	-	2,7	1
Qms	-	1,5	3,4
Spl	dB	92	93,5



**V-CONE**  
Compact **SIZE**  
**ULTRA flat**

#### ET 26.5

1. Tetolon dome, with hemispheric profile and wide roll surround; extremely light weight and properly damped for smooth and extended high frequency response.
2. Acoustic compression chamber; high efficiency and off-axis optimized response.
3. CCAW (Copper Clad Aluminium Wire) ultra light ferrofluid-cooled mobile voice coil.
4. High energy neodymium magnet.
5. Low carbon content plates for maximum magnetic permeability and high heat dissipation.
6. Damping material; controlling acoustic resonances insuring clear, high frequenc tones.

#### EV F165.5

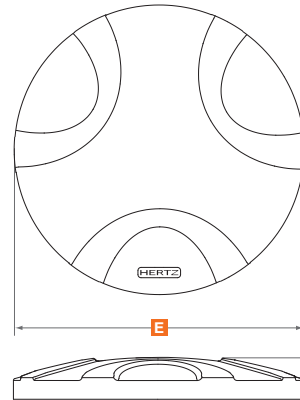
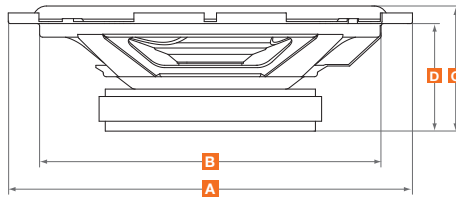
1. Shallow profile for an easy replacement of factory speakers.
2. V-cone® for best off-axis response and clear mid-high frequency detail.
3. Water-repellent treated paper cone, butyl rubber surround.
4. Pure copper voice coil, wound on aluminium former, for very good thermal and mechanical capacity.
5. Large motor assembly for excellent mobile voice coil control.
6. Low carbon content plates for maximum magnetic permeability and high heat dissipation.
7. DIN size basket coated with scratch-proof, corrosive-resistant material.
8. Tin-plated, high current terminals.
9. Silver-plated lead wires, for maximum reliability and conductivity.
10. Epoxy glue for basket and motor system provides perfect coupling.
11. Curve memory Nomex spider for consistent, reliable performance.

\* Tweeter mounting accessories and woofer grille included.

# SYSTEM energy

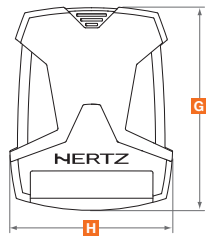
## ESK F165.5 270W

A	165,5 mm	6.51 in.
B	139 mm	5.47 in.
C	51 mm	2 in.
D	43 mm	1.7 in.

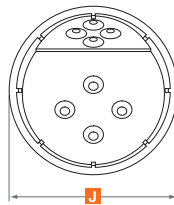
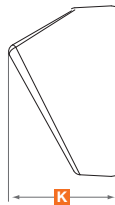
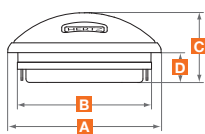


E	184 mm	7.25 in.
F	25 mm	0.98 in.

G	102,5 mm	4.03 in.
H	82 mm	3.23 in.
I	34 mm	1.34 in.



A	44 mm	1.7 in.
B	38,5 mm	1.5 in.
C	20 mm	0.78 in.
D	8,5 mm	0.33 in.



K	28,3 mm	1.11 in.
J	44,3 mm	1.75 in.
R	48 mm	1.89 in.
S	10 mm	0.4 in.
T	10 mm	0.4 in.