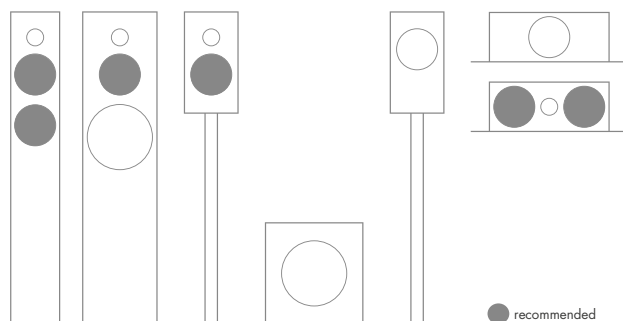
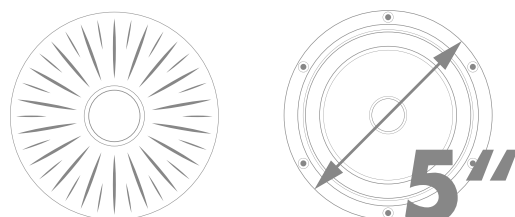




# ORCHESTRA

## 5-612/C8/25 RP

#1.1354.03



### Technische Daten *Technical data*

Nennimpedanz <i>Nominal impedance</i>	$Z_n$	8	$\Omega$
Gleichstromwiderstand <i>DC resistance</i>	$R_e$	5.4	$\Omega$
Resonanzfrequenz 1W <i>Resonance frequency 1W</i>	$f_r$	53	Hz
Resonanzfrequenz TSP <i>Resonance frequency TSP</i>	$f_r$	55	Hz
Nachgiebigkeit der Aufhängung <i>Suspension compliance</i>	$C_{MS}$	1.09	mm/N
Mechanische Güte <i>Mechanical Q</i>	$Q_{ms}$	7.89	
Elektrische Güte <i>Electrical Q</i>	$Q_{es}$	0.38	
Gesamtgüte <i>Total Q</i>	$Q_{ts}$	0.36	
Mechanischer Widerstand <i>Mechanical resistance</i>	$R_{MS}$	0.37	kg/s

Gesamte bewegte Masse (einschl. bewegter Luftmasse) <i>Total moving mass (incl. air mass)</i>	$M_{MD}$	7.8	g
Effektive Abstrahlfläche <i>Effective piston area</i>	$S_D$	80	cm <sup>2</sup>
Induktivität Schwingspule <i>Voice coil inductance</i>	$L_e$	0.44	mH
Kraftfaktor <i>Force factor</i>	$B_{xl}$	5.9	Tm
Xmax elektrisch <i>Xmax electrical</i>	+/-	2.0	mm
Xmax mechanisch <i>Xmax mechanical</i>	+/-	7.5	mm
Äquivalentvolumen <i>Equivalent volume</i>	$V_{AS}$	9.8	dm <sup>3</sup>
Mittlerer Kennschalldruckpegel 1W/1m <i>Characteristic SPL 1W/1m</i>		88	dB SPL
Belastbarkeit <i>Rated power</i>		50*	W

\* IEC 60268-5

### Mechanische Daten *Mechanical data*

Gesamtdurchmesser <i>Overall diameter</i>	148	mm
Einbaudurchmesser <i>Cutout diameter</i>	120	mm
Korbrandstärke <i>Frame depth</i>	6	mm
Gesamttiefe <i>Overall depth</i>	68	mm
Durchmesser Schraubloch <i>Screw holes diameter</i>	4.5/8	mm
Terminal <i>Terminal</i>	2.8/4.8	mm
Gewicht <i>Weight</i>	1.25	kg

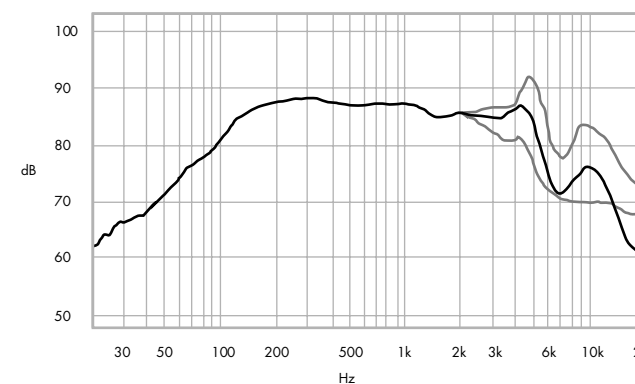
### Magnet *Magnet*

Magnetische Flussdichte <i>Flux density</i>	1.15	T
Höhe Luftspalt <i>Height of air gap</i>	6	mm
Material <i>Material</i>	Ferrite	
Dimensionen <i>Dimensions</i>	90 x 36	mm
Höhe <i>Height</i>	17	mm
Antriebssystem <i>Motor type</i>	Overhung	
Ferrofluid <i>Ferrofluid</i>	no	

### Frequenzbereich *Frequency range*

Empfohlener Frequenzbereich <i>Recommended frequency range</i>	50 – 4000 Hz
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### Frequenzgang *Frequency response*

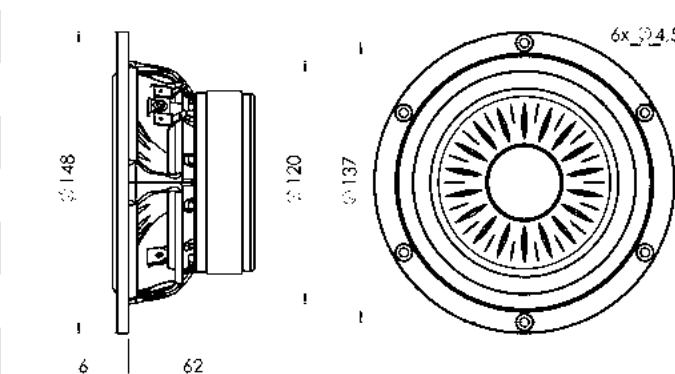


SPL 2,83 V/1m; black 30°, grey 0°, 60°; half space; endless baffle; enclosure 700 l

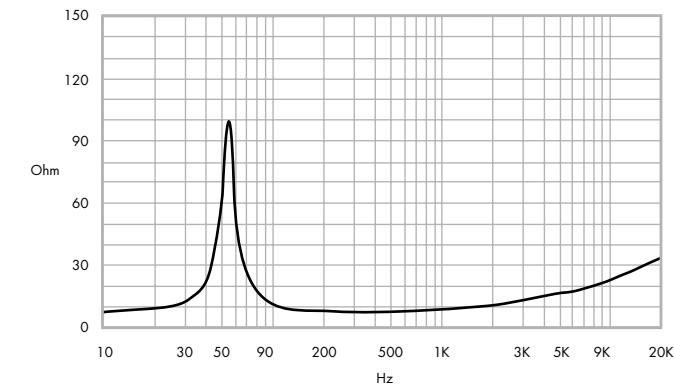
### Schwingspule *Voice coil*

Diameter <i>Durchmesser</i>	25	mm
Höhe <i>Height</i>	10	mm
Drahtmaterial <i>Wire material</i>	Cu	
Trägermaterial <i>Former material</i>	Kapton	
Wicklungslagen <i>Layers</i>	2	

### Technische Abmessungen *Technical dimensions*



### Impedanz *Impedance*



Measured free air without baffle