

Techn.Daten Technical Data	Symbol	Discovery D160 SQ	Adventure A 1-160	Adventure A 2-160	RS 160	RS 130	RS 100	PRO 160X	PRO 130X	PRO 100X	PRX 160	PRX 130	PRX 100
Nennimpedanz Nominal impedance	Z_n	4 Ω	4 Ω	4 Ω	4 Ω	4 Ω	4 Ω	4 Ω	4 Ω	4 Ω	4 Ω	4 Ω	4 Ω
Gleichstromwiderstand DC Resistance	R_e	3.4 Ω	3.4 Ω	3.4 Ω	3.1 Ω	3.1 Ω	3.2 Ω	3.1 Ω	3.3 Ω	3.2 Ω	3.2 Ω	3.3 Ω	3.3 Ω
Resonanzfrequenz Resonance frequency	f_r	42 Hz	48 Hz	64 Hz	60 Hz	75 Hz	95 Hz	63 Hz	80 Hz	110 Hz	54 Hz	70 Hz	100 Hz
Nachgiebigk.d.Aufhäng. Suspension compliance	C_{MS}	0.55 mm/N	0.55 mm/N	0.34 mm/N	0.55 mm/N	0.63 mm/N	0.50 mm/N	0.55 mm/N	0.63 mm/N	0.48 mm/N	0.76 mm/N	0.73 mm/N	0.47 mm/N
Mechanische Güte Mechanical Q factor	Q_{MS}	3.22	3.22	4.43	4.9	3.9	3.0	4.72	3.89	3.24	3.81	3.23	2.96
Elektrische Güte Electrical Q factor	Q_{ES}	0.50	0.50	0.57	0.93	0.8	0.7	0.99	0.79	0.64	0.80	0.59	0.71
Gesamtgüte Total Q factor	Q_{TS}	0.43	0.43	0.50	0.78	0.66	0.58	0.82	0.66	0.53	0.66	0.50	0.58
Mech. Widerstand Mechanical resistance	R_{MS}	1.54 kg/s	1.54 kg/s	1.45 kg/s	0.97 kg/s	0.80 kg/s	1.0 kg/s	0,97 kg/s	0,81 kg/s	0,92 kg/s	1.01 kg/s	0,96 kg/s	0,98 kg/s
Ges.bewegte Masse (einschl.bew.Luftmasse) Total moving mass (including air mass)	M_{MD}	12.7 g	12.7 g	13.2 g	12 g	6.5 g	4.2 g	11.7 g	6.3 g	4.2 g	11.0 g	7.0 g	4.0 g
Effektive Abstrahlfläche Effective piston area	S_D	137 cm ²	137 cm ²	137 cm ²	137 cm ²	80 cm ²	55 cm ²	137 cm ²	80 cm ²	55 cm ²	137 cm ²	80 cm ²	55 cm ²
Lautsprechergewicht Mass of speaker		1.2 kg	1.2 kg	1.2 kg	0,85 kg	0,7 kg	0,55 kg	0.7 kg	0.7 kg	0.6 kg	0.85 kg	0.8 kg	0.5 kg
Äquivalentvolumen Equivalent air volume of suspension	V_{AS}	14.4 dm ³	14.4 dm ³	9.0 dm ³	14.0 dm ³	6.5 dm ³	2.0 dm ³	14.0 dm ³	5.6 dm ³	2.1 dm ³	18.0 dm ³	6.6 dm ³	2.0 dm ³
Lineare Auslenkung Linear excursion	$X_{max \pm}$	3.5 mm	3.5 mm	1.5 mm	2.5 mm	2.5 mm	1.3 mm	2.5 mm	1.5 mm	1.5 mm	2.5 mm	1.5 mm	1.3 mm
Mittlerer Kennschall- druckpegel 1 W/1m Characteristic sound pressure level 1W/1m		88 dB	88 dB	89 dB	87 dB	87 dB	88 dB	87 dB	88 dB	88 dB	88 dB	87.5 dB	89 dB
Belastbarkeit Rated Power		70 W	70 W	70 W	70/110 W	70/100 W	60/90 W	70/100 W	60/100 W	60/90 W	70/100 W	60/100 W	60/90 W
Einbautiefe Mounting Depth		50 mm	50 mm	50 mm	66 mm	61 mm	51 mm	65 mm	60 mm	51 mm	65 mm	60 mm	51 mm
Ausschnittsdurchmesser Cut-out diameter		143 mm	143 mm	143 mm	143 mm	114 mm	91 mm	144 mm	114 mm	91 mm	144 mm	114 mm	91 mm
Außendurchmesser Outer Diameter		165 mm	165 mm	165 mm	165 mm	130 mm	100.5mm	165 mm	134 mm	100 mm	165 mm	134 mm	100 mm

30.10.2003

Techn.Daten Technical Data	Symbol	CEK 650	CEK 525	CEK 200
Nennimpedanz Nominal impedance	Z_n	4 Ω	4 Ω	4 Ω
Gleichstromwiderstand DC Resistance	R_e	3.1 Ω	3.2 Ω	3.2 Ω
Resonanzfrequenz Resonance frequency	f_r	54 Hz	66 Hz	89 Hz
Nachgiebigk.d.Aufhäng. Suspension compliance	C_{MS}	0,67 mm/N	0.67 mm/N	0.59 mm/N
Mechanische Güte Mechanical Q factor	Q_{MS}	3.17	3.98	3.04
Elektrische Güte Electrical Q factor	Q_{ES}	0.50	0.83	0.59
Gesamtgüte Total Q factor	Q_{TS}	0.44	0.69	0.49
Mech. Widerstand Mechanical resistance	R_{MS}	1.39 kg/s	0.90 kg/s	0.99 kg/s
Ges.bewegte Masse (einschl.bew.Luftmasse) Total moving mass (including air mass)	M_{MD}	13.0 g	8.7 g	5.4 g
Effektive Abstrahlfläche Effective piston area	S_D	137 cm ²	80 cm ²	55 cm ²
Lautsprechergewicht Mass of speaker		1.0 kg	0.7 kg	0.6 kg
Äquivalentvolumen Equivalent air volume of suspension	V_{AS}	17.5 dm ³	6.0 dm ³	2.5 dm ³
Lineare Auslenkung Linear excursion	$X_{max \pm}$	1.5 mm	1.5 mm	1.5 mm
Mittlerer Kennschall- druckpegel 1 W/1m Characteristic sound pressure level 1W/1m		89 dB	86 dB	87 dB
Belastbarkeit Rated Power		70/110 W	70/100 W	60/90 W
Einbautiefe Mounting Depth		65 mm	60 mm	51 mm
Ausschnittsdurchmesser Cut-out diameter		144 mm	114 mm	91 mm
Außendurchmesser Outer Diameter		165 mm	134 mm	100 mm

30.10.2003