

IQ W8-DVC2



IMPACT

Q-SERIES

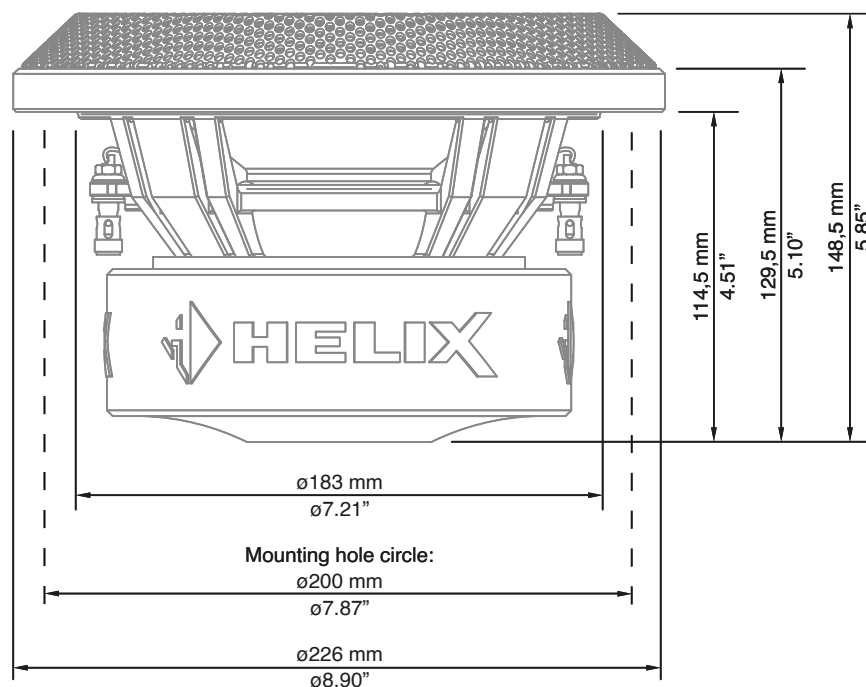
200MM / 8INCH
2x2Ω PERFORMANCE
SUBWOOFER



- **Audiophile grade subwoofer** – ensures sublime sound quality with superior low frequency extension and accurate dynamics
- **Engineered for high power** – handles up to 750 Watts RMS for most demanding system designs
- **Tuneable Mass System (TMS)** – Adjustable cone weight allows fine-tuning of Thiele-Small-Parameters pre- and post-installations
- **Flexible connection** – 2 x 2 Ohms dual voice coil for flexible system configuration
- **Compact enclosure compatibility** – High-performance subwoofers designed for space-saving installations
- **Sophisticated design** – Features a meticulous developed die-cast aluminum basket with an integrated grille for durability

Dimensions

Abmessungen



Technical data

Technische Daten

Power handling <i>Belastbarkeit</i>	RMS Max.	750 W 1.500 W
Impedance <i>Impedanz</i>	Z	2 x 2 Ω
DC resistance <i>Gleichstromwiderstand</i>	Re	2 x 1,9 Ω
Resonance frequency <i>Resonanzfrequenz</i>	Fs	- / +1 TM / +2 TM / +3 TM 43 Hz / 37 Hz / 33 Hz / 30 Hz
Mechanical Q factor <i>Mechanische Güte</i>	Qms	5,30
Electrical Q factor <i>Elektrische Güte</i>	Qes	- / +1 TM / +2 TM / +3 TM 0,49 / 0,56 / 0,68 / 0,76
Total Q factor <i>Gesamtgüte</i>	Qts	- / +1 TM / +2 TM / +3 TM 0,45 / 0,51 / 0,60 / 0,67
Compliance <i>Nachgiebigkeit</i>	Cms	123 μm/N
Equivalent air volume <i>Äquivalentvolumen</i>	Vas	8,5 L
Force factor <i>Kraftfaktor</i>	B*I	15,5 Tm
Sensitivity <i>Wirkungsgrad</i>	SPL	86 dB @ 2,83V / 1m 83 dB @ 1W / 1m
Cone area <i>Membranfläche</i>	Sd	222 cm ²
Moving mass <i>Bewegte Masse</i>	Mms	- / +1 TM / +2 TM / +3 TM 115 g / 168 g / 221 g / 274 g
Mechanical resistance <i>Mechanischer Widerstand</i>	Rms	5,8 kg/s
Voice coil diameter <i>Schwingspulendurchmesser</i>	Ø	63 mm
Voice coil winding height <i>Schwingspulenwickelbreite</i>		32 mm
Max. linear excursion <i>Max. linearer Membranhub</i>	Xmax	+/- 12 mm

Enclosure recommendations

Gehäuseempfehlungen

Sealed box

Geschlossenes Gehäuse

Net volume <i>Nettovolumen</i>	- / +1 TM / +2 TM / +3 TM	6 L / 10 L / 25 L / 35 L
Lower limiting frequency (-3dB) <i>Untere Grenzfrequenz (-3dB)</i>	- / +1 TM / +2 TM / +3 TM	69 Hz / 53 Hz / 39 Hz / 32 Hz

Vented box

Bassreflex-Gehäuse

Net volume <i>Nettovolumen</i>	- / +1 TM / +2 TM / +3 TM	13 L / 20 L / 33 L / 38 L
Port diameter <i>Reflex-Kanaldurchmesser</i>	Ø	60 mm
Port area <i>Reflex-Kanallfläche</i>		28 cm ²
Port length <i>Reflex-Kanallänge</i>	- / +1 TM / +2 TM / +3 TM	40 cm / 47 cm / 48 cm / 51 cm
Port tuning frequency <i>Tunnelabstimmungsfrequenz</i>	Fb	- / +1 TM / +2 TM / +3 TM 38 Hz / 28 Hz / 22 Hz / 20 Hz
Lower limiting frequency (-3dB) <i>Untere Grenzfrequenz (-3dB)</i>	- / +1 TM / +2 TM / +3 TM	35 Hz / 25 Hz / 19 Hz / 17 Hz

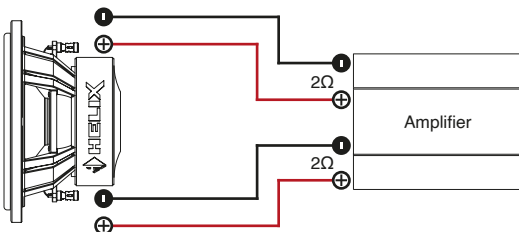
TM = Tuning Mass

Wiring configurations

Anschluss

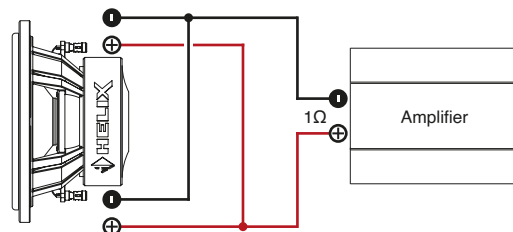
2 x 2 Ω configuration on two amplifier channels

2 x 2 Ω Konfiguration an zwei Verstärkerkanälen



1 x 1 Ω configuration on one amplifier channel

1 x 1 Ω Konfiguration an einem Verstärkerkanal



1 x 4 Ω configuration on one amplifier channel

1 x 4 Ω Konfiguration an einem Verstärkerkanal

