

# IQ W10-DVC2



## IMPACT

Q-SERIES

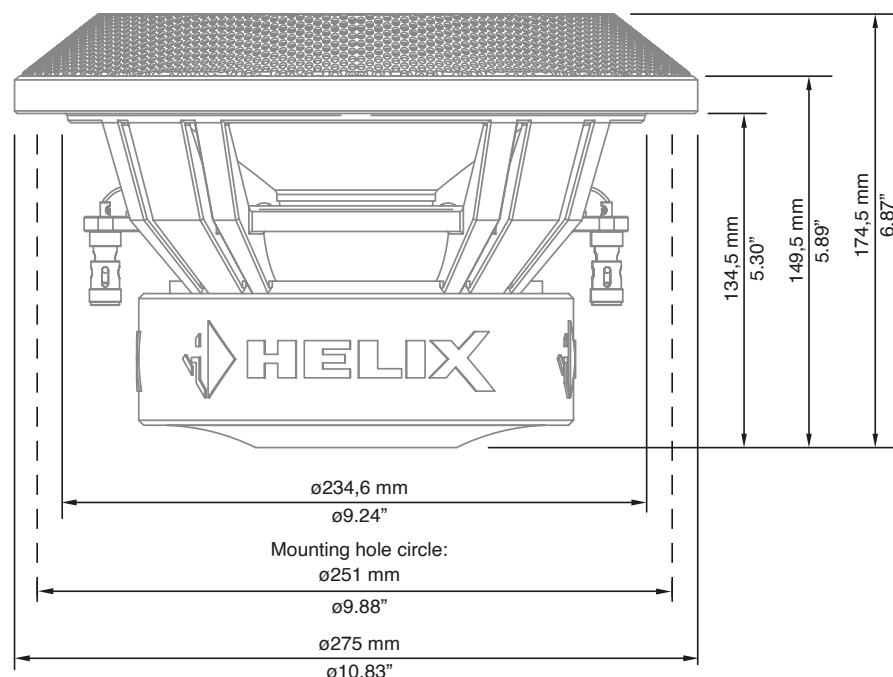
250MM / 10INCH  
2x2Ω PERFORMANCE  
SUBWOOFER



- **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 38 Hz / 34 Hz / 30 Hz / 28 Hz
Mechanical Q factor <i>Mechanische Güte</i>	Qms	6,0
Electrical Q factor <i>Elektrische Güte</i>	Qes	- / +1 TM / +2 TM / +3 TM 0,46 / 0,52 / 0,61 / 0,70
Total Q factor <i>Gesamtgüte</i>	Qts	- / +1 TM / +2 TM / +3 TM 0,43 / 0,48 / 0,55 / 0,63
Compliance <i>Nachgiebigkeit</i>	Cms	115 μm/N
Equivalent air volume <i>Äquivalentvolumen</i>	Vas	21 L
Force factor <i>Kraftfaktor</i>	B*I	17,8 Tm
Sensitivity <i>Wirkungsgrad</i>	SPL	89 dB @ 2,83V / 1m 86 dB @ 1W / 1m
Cone area <i>Membranfläche</i>	Sd	363 cm <sup>2</sup>
Moving mass <i>Bewegte Masse</i>	Mms	- / +1 TM / +2 TM / +3 TM 158 g / 211 g / 264 g / 317 g
Mechanical resistance <i>Mechanischer Widerstand</i>	Rms	6,2 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	13 L / 19 L / 25 L / 30 L
Lower limiting frequency (-3dB) <i>Untere Grenzfrequenz (-3dB)</i>	- / +1 TM / +2 TM / +3 TM	65 Hz / 52 Hz / 40 Hz / 33 Hz

#### Vented box

Bassreflex-Gehäuse

Net volume <i>Nettovolumen</i>	- / +1 TM / +2 TM / +3 TM	27 L / 42 L / 50 L / 65 L
Port diameter <i>Reflex-Kanaldurchmesser</i>	Ø	80 mm
Port area <i>Reflex-Kanallfläche</i>		50 cm <sup>2</sup>
Port length <i>Reflex-Kanallänge</i>	- / +1 TM / +2 TM / +3 TM	40 cm / 40 cm / 51 cm / 43 cm
Port tuning frequency <i>Tunnelabstimmungsfrequenz</i>	Fb	- / +1 TM / +2 TM / +3 TM 35 Hz / 28 Hz / 23 Hz / 21 Hz
Lower limiting frequency (-3dB) <i>Untere Grenzfrequenz (-3dB)</i>	- / +1 TM / +2 TM / +3 TM	33 Hz / 25 Hz / 20 Hz / 18 Hz

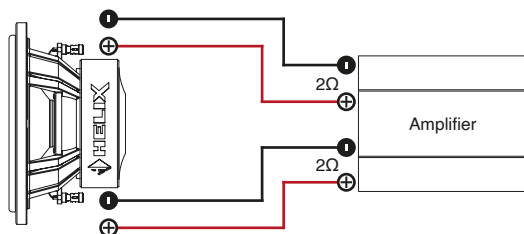
TM = Tuning Mass

### Wiring configurations

Anschluss

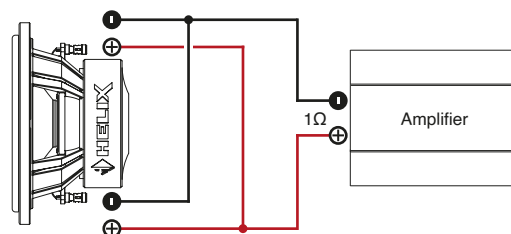
#### 2 x 2 Ω configuration on two amplifier channels

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

