

8" / 20 cm under-seat subwoofer for BMW vehicles



Technical data:

Power handling:	<i>RMS /</i>	150 /
	<i>Max.</i>	300 Watts
Impedance:	<i>Z</i>	4 Ohms
Voice coil diameter:	<i>Ø</i>	38 mm
Voice coil winding height:		14 mm
Max. linear excursion:	<i>X_{max}</i>	+/- 4 mm
Cone area:	<i>S_d</i>	222 cm ²
Moving mass:	<i>M_{ms}</i>	32.8 g
DC resistance:	<i>R_e</i>	3.2 Ohms
Resonance frequency:	<i>F_s</i>	46 Hz
Mechanical Q factor:	<i>Q_{ms}</i>	5.54
Electrical Q factor:	<i>Q_{es}</i>	0.51
Total Q factor:	<i>Q_{ts}</i>	0.47
Equivalent air volume:	<i>V_{as}</i>	23.9 L
Voice coil inductance:	<i>L_e</i>	1.19 mH
Force factor:	<i>B * l</i>	7.9 Tm
Efficiency 1 W / 1 m:	<i>SPL</i>	89 dB

Dimensions:

Outer diameter:	<i>Ø</i>	200 mm / 8"
Cutout diameter:	<i>Ø</i>	175 mm / 6.90"
Mounting depth:		40 mm / 1.60"

Recommended enclosure:

Sealed box

Sealed net volume:	10 L
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Recommended enclosure:

Ported box

Vented net volume:		10 L
Port diameter:	$\varnothing$	6 cm
Port area:		28 cm ²
Port length:		25 cm
Port tuning frequency:	F_b	47 Hz

Compatibility*:

Series	Type	Model year
1-series	E81 / E82 / E87 / E88	2004 - 2011
	F20 / F21	2011 -
2-series	F22 / F23	2011 -
3-series	E90 / E91 / E92 / E93	2005 - 2011
	F30 / F31 / F35	2012 -
	F34	2013 -
4-series	F32 / F33	2014 -
5-series	E60 / E61	2003 - 2010
	F10 / F11	2011 -
6-series	F12 / F13	2011 -
7-series	F01	2008 -
X1	E84	2009 - 2012
X3	E83	2003 - 2010
	F25	2010 -
X4	F26	2014 -
X5	E70	2006 - 2013
X6	E71	2008 -

* An up-to-date list of vehicle compatibility can be found at www.audiotec-fischer.com