

MG6.2C – Two-way top model from Musway



Noble 16 Composition system

► Musway's MG series is loudspeaker construction at its finest. We have the MG6.2C, a two-way compo in the editorial office.

In addition to the extensive collection of modern vehicle-specific speaker sets, Musway does not neglect the traditional speakers for DIN openings. There are no fewer than 5 price-graded universal speaker series on offer, and our MG6.2C is the top model among the component sets. At 430 euros, it's not even in the elevated high-end price range, but remains affordable for the normal listener. This

gets a really nice chassis for its money, both the mid-woofer and the tweeter are top-quality. the narrow die-cast struts of the woofer basket leave plenty of room for unhindered air circulation and the

The woofer is fully vented and just great made with turned and matted pole plates



The clean, face-turned pole plates in the noble matt look are a pleasure to hold and a feast for the eyes. In addition to the central pole core hole, there is also a ring of ventilation holes, Musway uses everything that is possible here. The membrane is another highlight. It is only superficially made of black aluminium, but in reality there is still a dampening layer of paper on the back of the hard aluminum cone - an effective combination of standard materials, but the devil is in the details. The tweeter can easily keep up, as it is just as elegantly made as its bass-midrange colleague. The 25 millimeter fabric dome is set in an aluminum housing, which contains a coupling volume to lower the resonance frequency. So it can already be used from low frequencies, which the Musway developers also make use of. The crossover is responsible for this, which is also made in a very complex way. A well-dimensioned core coil including an electrolytic capacitor filters the 16 effectively, the tweeter is spoiled more with a film capacitor and a low-distortion air core coil. A lot of effort was put into the level reduction, which consists not only of one or more series resistors, but of a voltage divider. It is switched with a very good jumper and the circuit is completed by two protective elements for the tweeter. A semiconductor PTC element regulates hard if necessary and a halogen bulb also acts as a kind of soft limiter. Both can be easily shut down for people who don't like such stuff in the signal path. There is a little trick in the form of two very small (0.47 microfarads) capacitors, which partially bypass the level control and the protection circuit in order to realize an absolutely linear sound pressure curve in every switch position and thus produce half a dB extra shine in the super treble.



The crossover is equipped with high quality and offers a complex circuit with five times Level adjustment and two protection elements

BEST PRODUCT
top class
CAR & HiFi 3/2023

Musway MG6.2C

Price	a 430 Euro
distribution	Audio Design, Kronau
Hotline	07253 9465-0
Internet	www.musway.de

Evaluation

Klang	55 %	1,0	yyyyyy	1,0
Bassfundament 11 %		yyyyyy	1,0	yyyyyy
neutrality	11 %	1,0	yyyyyy	1,5
transparency	11 %	yyyyyy	0,5	yyyyyy
spatiality	11 %			
dynamics	11 %			
Labor 30 %		1,2	yyyyyy	1,0
frequency response 10 %		yyyyyy	1,0	yyyyyy
Maximalpegel 10 %		1,5	yyyyyy	y
distortions	10 %			
Practice	15 %	1,0	yyyyyy	1,0
Crossover 10 %		yyyyyy	1,0	yyyyyy
processing	5 %			

Technical specifications

basket diameter	165 mm
installation diameter	143 mm
installation depth	67 mm
magnet diameter	90 mm
HT membrane	25 mm
Housing HT	44 mm
edge steepness TT/HT	12/12 dB
tweeter protection	PTC + Halogenbirne +2,
Pegelanpassung HT	+1, 0, -1 -2 dB
grid	-
Miscellaneous	-
nominal impedance	4 Ohm
DC resistance Rdc	3,66 Ohm
Voice coil inductance Le	0,15 mH
voice coil diameter	32 mm
Membrane area Sd	129 cm2
Resonance frequency fs	48 Hz
mechanical quality Qms	3,32
electrical quality Qes	0,73
Total Quality Qts	0,60
Equivalent Volume Vas	15,2 l
Moving Mass Mms	16,6 g
Rms	1,55 kg/s
Cms	0,66 mm/N
B ¹	5,00 Tm
Sound pressure 2V, 1m	84 dB
performance recommendation	50 - 150W

gladly accepted. The membrane resonances at 5 and 7 kHz were effectively filtered out of the woofer. The tweeter is deeply separated and still manages the 20 kHz mark even at an angle of 30°. The dome also works almost without distortion, everything is also clean with the 16 colleague, only at extreme levels does it jingle a bit.

It doesn't matter whether it's classical or electronic, the MG6.2C plays every style of music with devotion. Incredibly detailed in the mids and with a wonderful shine in the highs, you know you're hearing a great system. The Musway manages the balancing act towards a fluid musical rendition, in which one can "let oneself fall into the music". Great female voices, radiant brass sections and a high-precision bass underneath that sounds crisp and creates beautiful dynamics. The set basically does everything right, so we have nothing to complain about.

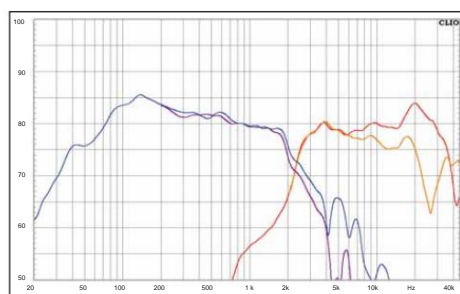
Conclusion With the MG6.2C, Musway has a set on offer that also meets high demands on playback. In the range under 500 euros certainly one of the best compos ever.

Elmar Michels

Measurements and sound You can already see from the amplitude response of the system that it has been properly developed. Both chassis run almost perfectly, with the tweeter the hump is around 20 kHz



The tweeter has a Aluminum housing with integrated coupling volume



Both chassis run almost perfectly. The midrange is smooth as a rule and the two chassis are separated deep and coupled cleanly

Musway MG6.2C

top class 1,1
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Value for money: very

good "One of the best systems ever for less than 500 euros."