

TIW400DS

Visaton 40 cm (15") High-End woofer with double voice-coil

[BACK](#)



General description

40 cm (15") High-End woofer with black cellulose cone, large magnet and heavy aluminium die-cast basket. Extremely high power handling due to 60 mm voice-coil, capton voice coil carrier and magnet vent. Univesal connection possibilities due to the double voice-coil (2 x 4 ohms) allowing the unit to be conctned up for 2 ohm ore 8 ohm use.

Technical Data: One voice coil not connected

Nominal power handling	300 Watt
Peak power handling	700 Watt
Nominal impedance	4 Ohm
Frequency response (-10 dB)	fu - 3000 Hz
(fu: Lower cut-off frequency depending on cabinet)	.
Mean sound pressure level	88 dB (1W/1m)
Maximum cone displacement	27 mm
Resonance frequency fs	21 Hz
Magnetic induction	1,06 Tesla
Magnetic flux	2000 μ Weber
Height of front pole-plate	10 mm
Voice coil diameter	60 mm
Height of winding	25 mm
Cutout diameter	357 mm
Net weight	6,7 kg
D.C. resistance Rdc	3,5 Ohm
Mechanical Q factor Qms	6,27
Electrical Q factor Qes	0,90
Total Q factor Qts	0,79
Equivalent volume Vas	422 l
Effective piston area Sd	755 cm ²
Dynamically moved mass Mms	110 g
Force factor Bxl	7,5 T m
Inductance of the voice coil L	1,2 mH

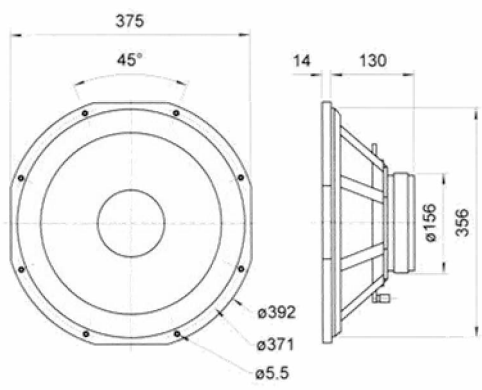
Technical Data: Both voice coils in series

Nominal power handling	300 Watt
Peak power handling	700 Watt
Nominal impedance	8 Ohm
Frequency response (-10 dB)	fc - 2000 Hz
Mean sound pressure level	91 dB (1 W/ 1m)
Maximum cone displacement	27 mm
Resonance frequency fs	20 Hz
Magnetic induction	1,06 Tesla
Magnetic flux	2000 μ Weber
Height of front pole-plate	10 mm
Voice coil diameter	60 mm
Height of winding	25 mm
Cutout diameter	357 mm
Net weight	6,7 kg
D.C. resistance Rdc	6,6 Ohm
Mechanical Q factor Qms	5,84
Electrical Q factor Qes	0,34
Total Q factor Qts	0,32
Equivalent volume Vas	440 l
Effective piston area Sd	755 cm ²
Dynamically moved mass Mms	110 g
Force factor Bxl	16,5 T m
Inductance of the voice coil L	2,3 mH

Technical Data: Both voice coils in parallel

Nominal power handling	300 Watt
Peak power handling	700 Watt
Nominal impedance	2 Ohm
Frequency response (-10 dB)	fc - 2000 Hz
Mean sound pressure level	91 dB (1 W/ 1m)
Maximum cone displacement	27 mm
Resonance frequency fs	21 Hz
Magnetic induction	1,06 Tesla
Magnetic flux	2000 μ Weber
Height of front pole-plate	10 mm
Voice coil diameter	60 mm
Height of winding	25 mm
Cutout diameter	357 mm
Net weight	6,7 kg
D.C. resistance Rdc	1,7 Ohm
Mechanical Q factor Qms	6,30

Electrical Q factor Qes	0,43
Total Q factor Qts	0,41
Equivalent volume Vas	400 l
Effective piston area Sd	755 cm ²
Dynamically moved mass Mms	115 g
Force factor BxI	7,7 T m
Inductance of the voice coil L	0,6 mH



drawing

