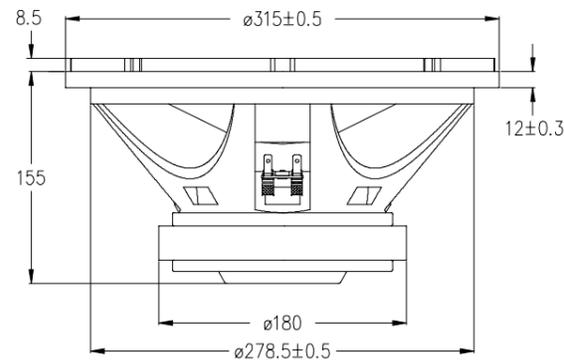
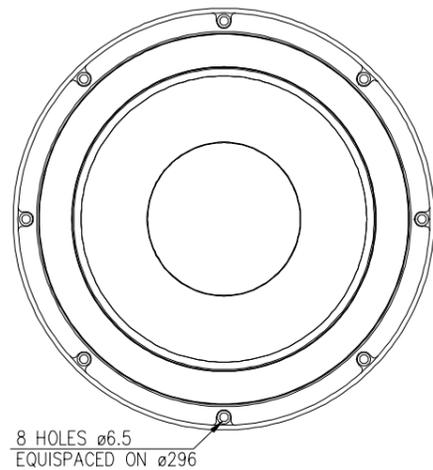




CW30FY001

L0014

WOOFER



30 cm High-End automotive woofer

The CW30FY001 is a High End Car Audio Sub Woofer with low distortion. It is the choice for those seeking a precise and realistic reproduction of the lowest frequency range in their cars.

Features:

Optimally shaped aluminium cone.

The lead out wires are intergrated in the spider for noise free performance at large excursions and long life.

Wide natural rubber surround for optimum performance over a wide temperature range.

Stiff and stable injection moulded metal basket to keep the moving parts in perfect alignment under normal and extreme conditions.

Extremely high temperature kapton voice coil.

Screw terminals which ensure excellent long term contact with the speaker cables.

NOMINAL IMPEDANCE	4 Ohms	VOICE COIL RESISTANCE	3.4 Ohms
RECOMMENDED FREQUENCY RANGE	25-900 Hz	VOICE COIL INDUCTANCE (EQUIVALENT)	6.44 mH
SHORT TERM MAXIMUM POWER *	1500 W	FORCE FACTOR	14.2 N/A
LONG TERM MAXIMUM POWER*	500 W	FREE AIR RESONANCE	20 Hz
CHARACTERISTIC SENSITIVITY (1W, 1m)	89.0 dB SPL	MOVING MASS	159,6 g
OPERATING POWER (96 dB SPL, 1 m)	W	AIR LOAD MASS IN IEC BAFFLE	6,10 g
		SUSPENSION COMPLIANCE	0,4 mm/N
VOICE COIL DIAMETER	52 mm	SUSPENSION MECHANICAL RESISTANCE	1,52 Ns/m
VOICE COIL HEIGHT	32 mm	EFFECTIVE PISTON AREA	480 sq.cm
AIR GAP HEIGHT	10 mm		
LINEAR COIL TRAVEL (p-p)	22 mm	VAS	123 Litres
MAXIMUM COIL TRAVEL (p-p)	44 mm	QMS	13,69
MAGNETIC GAP FLUX DENSITY	0.66 T	QES	0,35
MAGNET WEIGHT	5.8 Kg	QTS	0,34
TOTAL WEIGHT	7.1 Kg		

* IEC 268-5

The frequency responses below show measured free field sound pressure in 0, 30, and 60 degrees angle using a closed box of 31 litres. Input 2.83 Volts RMS, microphone distance 1m. The solid line is a calculated response for an infinite baffle based on the parameters given for this specific driver. The impedance is measured in free air without baffle.

