

MID-BASS

# L15P530

Professional Low Frequency Transducer

High power 15" mid-bass. Very high sensitivity, excellent linearity and very low distortion. Very efficient heat dissipation is ensured by a radiator that is part of the basket design. The air is forced in the radiator thanks to a sealed spider design.

PART NUMBER **11165017**

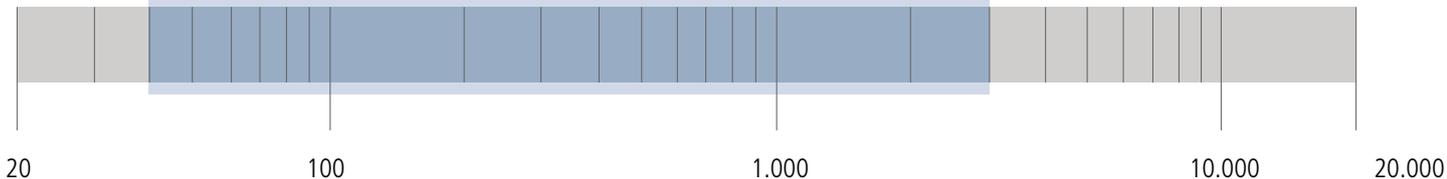
- 3-inch edgewound aluminum voice coil
- 700 Watt continuous program power handling
- 100 dB Sensitivity
- 40 Hz - 3 kHz Frequency range
- Spider dampening treatment
- M-roll surround and exponential cone geometry

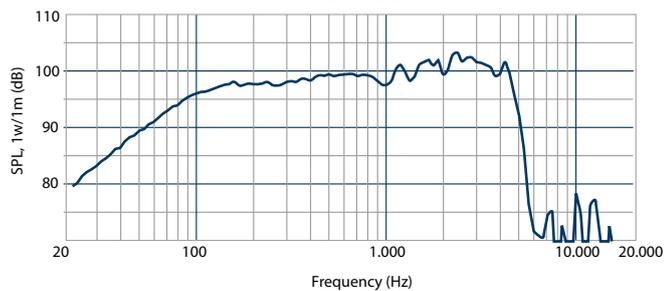
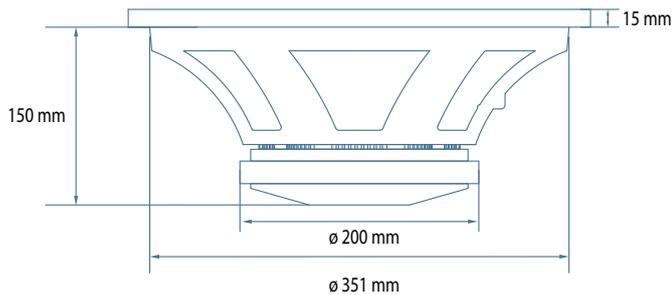
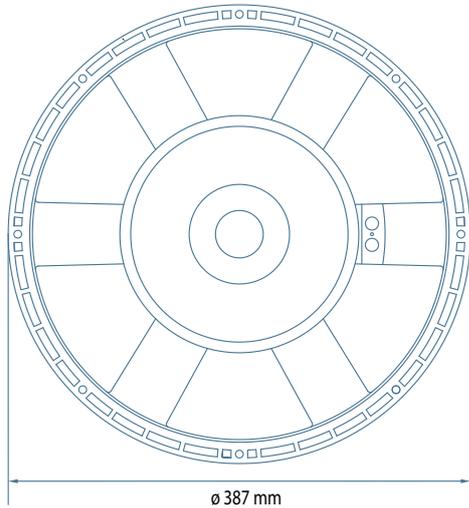
## APPLICATIONS

A very light moving mass, a curve response linear above 3 kHz makes the L15P530 a very good solution for high quality two or three way systems. The aluminum voice coil guarantee a very high efficiency in conjunction to a proper Q factor for a good bass response.

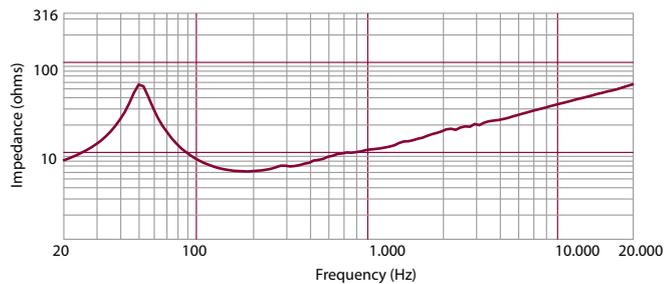


40 3000





Frequency response curve of the loudspeaker taken in a hemispherical, free field environment and mounted in a closed box with an internal volume of 600 litres (21,2 cu.ft) enclosing the rear of the driver



Impedance magnitude curve measured in free air

## GENERAL SPECIFICATIONS

Nominal Diameter	380/15	mm/inch
Rated Impedance	8	ohm
Program Power <sup>1</sup>	700	Watts
Power handling capacity <sup>2</sup>	350	Watts
Sensitivity <sup>3</sup>	100	dB
Frequency Range	40 - 3000	Hz
Effective Piston Diameter	330/13	mm/inch
Max Excursion Before Damage (peak to peak)	36/1.4	mm/inch
Minimum Impedance	5.9	ohm
Voice Coil Diameter	76/3	mm/inch
Voice Coil Material	aluminum	
Voice Coil Winding Depth	18/0.7	mm/inch
Number of layers	1	
Kind of layer	outside	
Top Plate Thickness	10/0.4	mm/inch
Cone Material	No pressed pulp	
Cone Design	Curved	
Surround Material	Polycotton	
Surround Design	M - roll	

## THIELE - SMALL PARAMETERS <sup>4</sup>

Resonance frequency	Fs	45	Hz
DC resistance	Re	5.1	ohm
Mechanical factor	Qms	7.5	
Electrical factor	Qes	0.51	
Total factor	Qts	0.48	
BL Factor	BL	15.3	T · m
Effective Moving Mass	Mms	83	gr
Equivalent Cas air load	Vas	160	liters
Effettive piston area	Sd	0.085	m <sup>2</sup>
Max. linear excursion (mathematical) <sup>5</sup>	Xmax	6.5	mm
Voice - coil inductance @ 1KHz	Le	0.4	mH
Half-space efficiency	Eff	2.76	%

## MOUNTING INFORMATION

Overall Diameter	387/15.2	mm/inch
Bolt Circle Diameter	371/14.6	mm/inch
Bolt Hole Diameter	6.5/0.3	mm/inch
Front Mount Baffle Cut-out	352/13.9	mm/inch
Rear Mount Baffle Cut-out	360/14.1	mm/inch
Depth	150/5.90	mm/inch
Volume occupied by the driver <sup>6</sup>	3.8/0.13	liters/ft3

## SHIPPING INFORMATION

Net Weight	9.5/20.9	Kg/Lbs
Shipping Weight	10/22.0	Kg/Lbs

## NOTES TO SPECIFICATIONS

1 Program Power is defined as 3 dB greater than AES power. - 2 AES standard. - 3 Sensitivity measurement is based on a 500-2,5 kHz pink noise signal with input power of 2.83V @ 8 Ohms. - 4 Thiele-Small parameters are measured after a 2 hour warm up period running the loudspeaker at full power handling capacity. - 5 The maximum linear excursion is calculated as:  $(Hvc - Hg)/2 + Hg/4$  where Hvc is the voice coil depth and Hg the gap depth. - 6 Calculated for front mounting on 18 mm thick board.  
The data are not binding; RCF reserves the right to modify the data at any time and without previous notice.