



# FH 160<sub>D</sub>

5 inch speaker at 4 Ohms

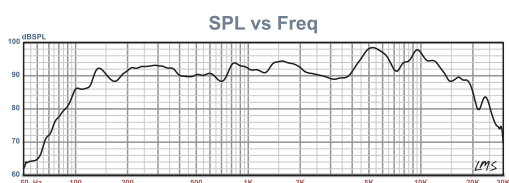
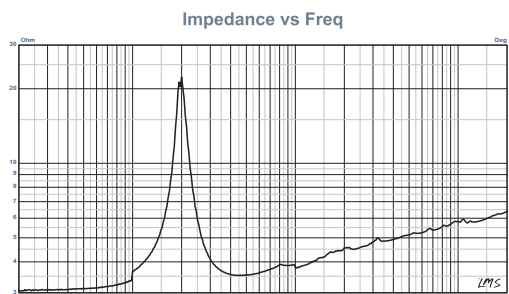


FH 160D, a product that was carefully designed to work with wide response, adapting to the most varied types of sound systems, standing out in the mid-bass to the highs with excellent acoustic performance, it features a cellulose whizzer cone that contributes to this product achieves an excellent result, that is, a frequency response from 100hz to 20khz. Live a new experience listening to your playlist with a fidelity that will amaze your ears.

## ELECTRICAL PARAMETERS

RMS POWER	80 W
MUSICAL PROGRAM POWER	160 W
NOMINAL IMPEDANCE	4 Ohms
RESISTANCE (RE)	2.9 ohms/VCC
NO (EFFICIENCY REFERENCE)	0.500%
SENSITIVITY (@ 1W, 1 m)-Free-Air	88.754 dB
DIAPHRAGM MASS (MMD)	6.603 g
TOTAL MASS (MMS)	7.040 g
BL PRODUCT	4.200 TM
MECHANICAL Q (Qms)	10.322
ELECTRIC Q (Qes)	1.453
TOTAL Q (Qts)	1.274
COMPLIANCE (CMS)	90.147u M/N
EQUIVALENT VOLUME (VAS)	0.888 L
FREQUENCY RESPONSE	100Hz to 20,000Hz
RESONANCE FREQUENCY	199.77 Hz
Le @ 10 kHz (coil inductance at 10kHz)	0.378 mH
EFFECTIVE CONE AREA (SD)	0.0083 Sq.m
CONE EXCURSION WITHOUT DISTORTION (X MAX)	+ - 2.05 mm
FLOW DENSITY IN THE GAP	10.000 GAUSS

Thiele-Small parameters are obtained after applying a sinusoidal level of 50hz for a period of 30 minutes. A tolerance of + - 15% on the specified values is allowed.



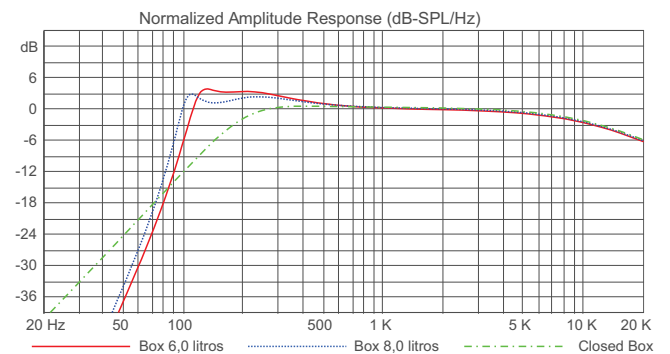
Curva de resposta obtida num box de 10L x 105Hz (1W x 1m).

## MECHANICAL PARAMETERS

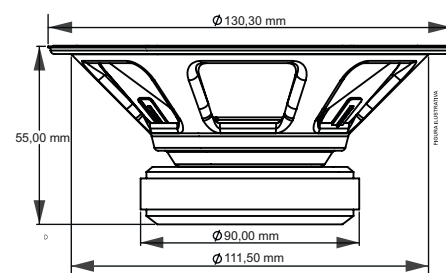
NOMINAL DIAMETER	5 inches
FERRITE MEASURES	90 X 39 X 14mm
COIL DIAMETER	1,1/4 inch
COIL HEIGHT	6,5 mm
COIL WIRE MATERIAL	Copper
COIL WIRE SECTION	Round
COIL SHAPE	*Kapton®
GAP HEIGHT	4.75 mm
HOUSING MATERIAL	Steel
FERRITE MATERIAL	Barium
WEIGHT	0.93 Kg
VOLUME OCCUPIED ON THE CABINET	0.29 Liters

## CABINET SUGGESTIONS

MODEL	VOLUME LITERS	DUCTOS QUANT.	DUCTOS DIAM.	DUCTOS PROF.	SYNTONY	(H.P.F)	ATTENUATION (ACTIVE)
VENTED BOX	6,0	02	2"(POL)	60 mm	128,0 Hz	120 Hz	-24 dB/ Octave
	8,0	02	2"(POL)	60 mm	110,0 Hz	100 Hz	-24 dB/ Octave
CLOSED BOX	6,0	**	**	**	**	140 Hz	-24 dB/ Octave



## PRODUCT DIMENSIONS



[www.taramps.com.br](http://www.taramps.com.br)

Rod. Julio Budisk SP 501 s/n, - Compl. KM 30-A/SP ZIP:19.180-000 Phone Number +55 (18) 3266-4050 National Registry(CNPJ): 23.372.795/0001-64  
Note: Features, specifications and aesthetics are subject to change without notice.



# FH 160<sub>D</sub>

5 inch speaker at 8 Ohms

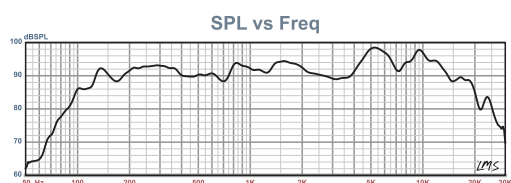
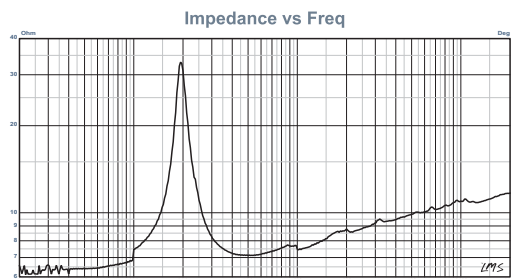


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## ELECTRICAL PARAMETERS

RMS POWER	80 W
MUSICAL PROGRAM POWER	160 W
NOMINAL IMPEDANCE	8 Ohms
RESISTANCE (RE)	5.9 ohms/VCC
NO (EFFICIENCY REFERENCE)	0.400%
SENSITIVITY (@ 1W, 1 m)-Free-Air	88.324 dB
DIAPHRAGM MASS (MMD)	5.569 g
TOTAL MASS (MMS)	6.006 g
BL PRODUCT	4.946 TM
MECHANICAL Q (Qms)	8.225
ELECTRIC Q (Qes)	1.85
TOTAL Q (Qts)	1.51
COMPLIANCE (CMS)	109.132u M/N
EQUIVALENT VOLUME (VAS)	1.076 L
FREQUENCY RESPONSE	100Hz to 20,000Hz
RESONANCE FREQUENCY	196.57 Hz
Le @ 10 kHz (coil inductance at 10kHz)	0.666 mH
EFFECTIVE CONE AREA (SD)	0.0083 Sq.m
CONE EXCURSION WITHOUT DISTORTION (X MAX)	+ - 2.05 mm
FLOW DENSITY IN THE GAP	10.000 GAUSS

Thiele-Small parameters are obtained after applying a sinusoidal level of 50hz for a period of 30 minutes. A tolerance of + - 15% on the specified values is allowed.



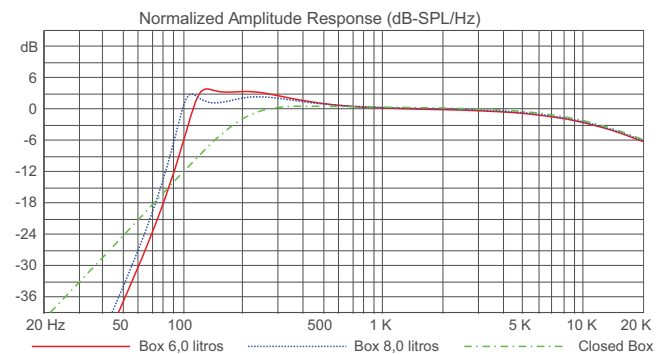
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## MECHANICAL PARAMETERS

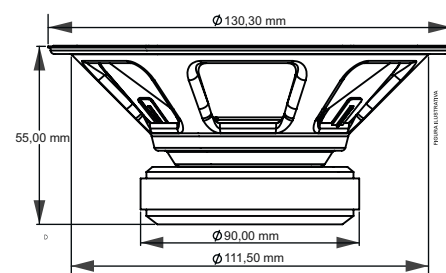
NOMINAL DIAMETER	5 inches
FERRITE MEASURES	90 X 39 X 14mm
COIL DIAMETER	1,1/4 inch
COIL HEIGHT	6,5 mm
COIL WIRE MATERIAL	Copper
COIL WIRE SECTION	Round
COIL SHAPE	*Kapton®
GAP HEIGHT	4.75 mm
HOUSING MATERIAL	Steel
FERRITE MATERIAL	Barium
WEIGHT	0.93 Kg
VOLUME OCCUPIED ON THE CABINET	0.29 Liters

## CABINET SUGGESTIONS

MODEL	VOLUME LITERS	DUCTOS QUANT.	DUCTOS DIAM.	DUCTOS PROF.	SYNTONY	(H.P.F)	ATTENUATION (ACTIVE)
VENTED BOX	6,0	02	2"(POL)	60 mm	128,0 Hz	120 Hz	-24 dB/ Octave
	8,0	02	2"(POL)	60 mm	110,0 Hz	100 Hz	-24 dB/ Octave
CLOSED BOX	6,0	**	**	**	**	140 Hz	-24 dB/ Octave



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## WARRANTY TERM

When all our products are produced, they undergo rigorous evaluations, in each construction process until they are packaged, however, if any type of abnormality is detected, when opening the package, it must be sent to one of our authorized service stations, or directly to the factory, if there is not an authorized technician in your region. **Each and every product must undergo a technical evaluation so that the defect is identified and proven.**

The product has a warranty of 15 (fifteen) months after the issuance of the invoice, with the legal warranty of 90 days, provided for in article 26, item II, of law No. 8078/90 (Brazilian consumer protection code).

### Warranty Conditions:

The product must be installed correctly, by a specialized professional, as well as respecting the product characteristics.

The customer **will NOT** have the warranty when:

- Exceed the period of 15 (fifteen) months.
- Damages incurred are caused by; transport or handling accident, or humidity.
- Defects caused by improper installation.
- Malfunctions in product parts (torn cone/dust cap, bent or broken speaker housing).
- Coils burned out by excessive power or extreme distortion conditions, causing heating above 240°.

### Warranty Coverage:

- Taramps guarantees its products against any defect in material or manufacturing process, provided that, at the discretion of its authorized technicians, it is found to be defective under normal conditions of use.
- **The PRODUCT must contain the original label, on which its serial number is inserted.**
- To use the warranty, the customer must present the invoice and the warranty term, both of which must contain the serial number on the product label.

### Transport

Only products that fall under the terms of warranty coverage will have their transportation expenses covered, otherwise, the expense will be at the customer's expense.

# WARRANTY CERTIFICATE

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ ZIP: \_\_\_\_\_

STATE: \_\_\_\_\_ PHONE: \_\_\_\_\_

DEALER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ ZIP: \_\_\_\_\_

STATE: \_\_\_\_\_ PHONE: \_\_\_\_\_

INVOICE NUMBER