



FH 160_D

8 inch speaker at 4 Ohms



The FH 160D was carefully designed to work with a wide response, adapting to the most varied types sound systems, standing out in the mid-bass to the high frequencies with excellent acoustic performance, using components such as a cellulose cone whizzer that contributes to this product reaching an excellent result, that is, a frequency response from 65hz to 16.000hz. 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)	0,674%
SENSITIVITY (@ 1W, 1 m)-Free-Air	90,302 dB
DIAPHRAGM MASS (MMD)	14,366 g
TOTAL MASS (MMS)	16,438 g
BL PRODUCTO	4.154 TM
MECHANICAL Q (Qms)	10,453
ELECTRIC Q (Qes)	2,055
TOTAL Q (Qts)	1,717
COMPLIANCE (CMS)	109,891u M/N
EQUIVALENT VOLUME (VAS)	8,622 L
FREQUENCY RESPONSE	65Hz à 16.000Hz
RESONANCE FREQUENCY	118,416 Hz
Le @ 10 kHz (coil inductance at 10kHz)	0,400 mH
EFFECTIVE CONE AREA (SD)	0,0235 Sq.m
CONE EXCURSION WITHOUT DISTORTION (X MAX)	+ - 2,05 mm
FLOW DENSITY IN THE GAP	10.000 GAUSS

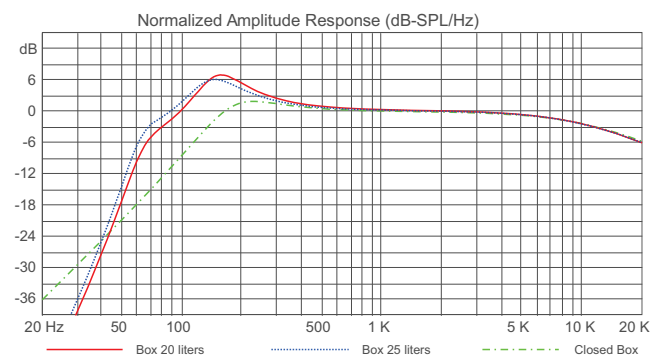
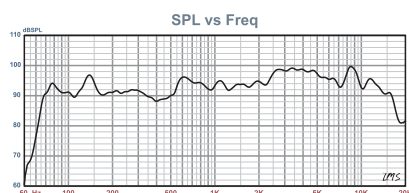
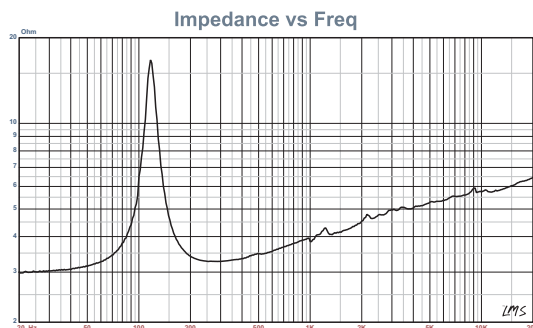
MECHANICAL PARAMETERS

NOMINAL DIAMETER	8 Polegadas
FERRITE MEASURES	90 X 39 X 14mm
COIL DIAMETER	1,1/4 Polegadas
COIL HEIGHT	6,5 mm
COIL WIRE MATERIAL	Copper
COIL WIRE SECTION	Redonda
COIL SHAPE	*Kapton [®]
GAP HEIGHT	4,75 mm
HOUSING MATERIAL	Steel
FERRITE MATERIAL	Barium
WEIGHT	1,075 Kg
VOLUME OCCUPIED ON THE CABINET	0,85 Liters

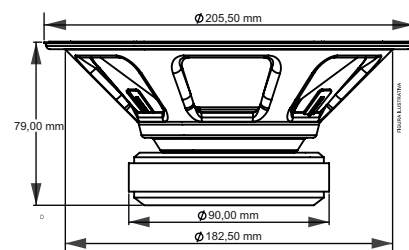
CABINET SUGGESTIONS

MODEL	VOLUME LITERS	DUCTOS QUANT.	DUCTOS DIAM.	DUCTS DEPTH.	SYNTONY	(H.P.F)	ATTENUATION (ACTIVE)
VENTED BOX	20	02	3"(POL)	50,0 mm	95 Hz	90 Hz	-12 dB/ Octave
	25	02	3"(POL)	65,0 mm	85 Hz	80 Hz	-12 dB/ Octave
CLOSED BOX	10	**	**	**	**	110 Hz	-24 dB/ Octave

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.



PRODUCT DIMENSIONS



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_D

8 inch speaker at 8 Ohms



The FH 160D was carefully designed to work with a wide response, adapting to the most varied types sound systems, standing out in the mid-bass to the high frequencies with excellent acoustic performance, using components such as a cellulose cone whizzer that contributes to this product reaching an excellent result, that is, a frequency response from 65hz to 16.000hz. 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	8 Ohms
RESISTANCE (RE)	6,1 ohms/VCC
NO (EFFICIENCY REFERENCE)	0,526%
SENSITIVITY (@ 1W, 1 m)-Free-Air	89,229 dB
DIAPHRAGM MASS (MMD)	14,426 g
TOTAL MASS (MMS)	16,498 g
BL PRODUCTO	5.344 TM
MECHANICAL Q (Qms)	10,75
ELECTRIC Q (Qes)	2,487
TOTAL Q (Qts)	2,02
COMPLIANCE (CMS)	121,689u M/N
EQUIVALENT VOLUME (VAS)	9,548 L
FREQUENCY RESPONSE	65Hz à 16.000Hz
RESONANCE FREQUENCY	112,325 Hz
Le @ 10 kHz (coil inductance at 10kHz)	0,691 mH
EFFECTIVE CONE AREA (SD)	0,0235 Sq.m
CONE EXCURSION WITHOUT DISTORTION (X MAX)	+ - 2,05 mm
FLOW DENSITY IN THE GAP	10.000 GAUSS

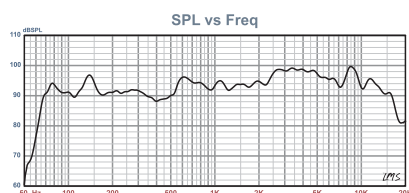
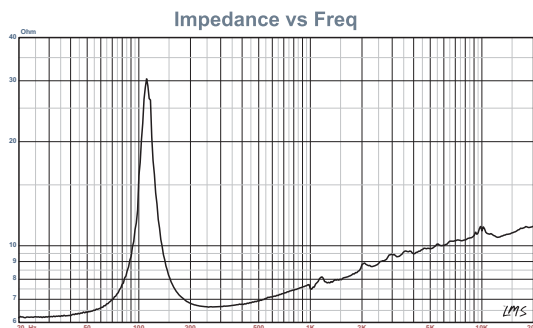
MECHANICAL PARAMETERS

NOMINAL DIAMETER	8 Polegadas
FERRITE MEASURES	90 X 39 X 14mm
COIL DIAMETER	1,1/4 Polegadas
COIL HEIGHT	6,5 mm
COIL WIRE MATERIAL	Copper
COIL WIRE SECTION	Redonda
COIL SHAPE	*Kapton [®]
GAP HEIGHT	4,75 mm
HOUSING MATERIAL	Steel
FERRITE MATERIAL	Barium
WEIGHT	1,075 Kg
VOLUME OCCUPIED ON THE CABINET	0,85 Liters

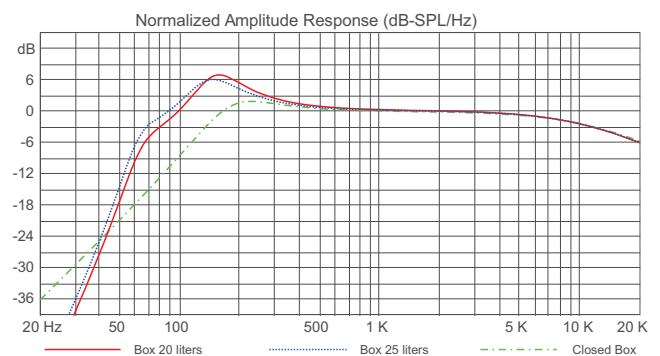
CABINET SUGGESTIONS

MODEL	VOLUME LITERS	DUCTOS QUANT.	DUCTOS DIAM.	DUCTS DEPTH.	SYNTONY	(H.P.F)	ATTENUATION (ACTIVE)
VENTED BOX	20	02	3"(POL)	50,0 mm	95 Hz	90 Hz	-12 dB/ Octave
	25	02	3"(POL)	65,0 mm	85 Hz	80 Hz	-12 dB/ Octave
CLOSED BOX	10	**	**	**	**	110 Hz	-24 dB/ Octave

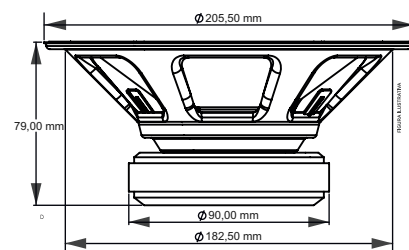
Thiele-Small parameters are obtained after applying a sinusoidal level of 50hz for a period of 30 minutes. A tolerance of + - 15% on the specified values is allowed.



Response curve obtained in a 25L x 70Hz box (1W x 1m).



PRODUCT DIMENSIONS



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.

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