



FR 400s



The FR 400S is a 6-inch loudspeaker that has been carefully designed to reproduce low to high frequencies, at 4 or 8 ohm impedances. It is very versatile and can be use in the most varied sound systems. Due to the choice of its components, we transformed this little one into a giant because of responses range. One of the great differentials of this product was to leave aside the traditional heat, which makes it difficult for the hot air generated by the coil to escape, in order to insert a phase plug in the center of the pole, providing a clean and very well defined response at high frequencies, reducing the natural harmonic distortions of a common loudspeaker. In addition to contributing to better coil ventilation, making it work at lower temperatures, it reduces the famous dynamic compressions due to excess temperature. FR 400S, your playlist much more present in your ears.

ELECTRIC PARAMETERS

RMS POWER	200 W
MUSICAL PROGRAM POWER	400 W
NOMINAL IMPEDANCE	4 or 8 Ohms
RESISTANCE	3,1 / 6,2 ohms/VCC
NO (EFFICIENCY REFERENCE)	2,193%
SENSITIVITY (@ 1W, 1 m)-Free-Air	95,428 dB
DIAPHRAGM MASS (MMD)	6,842 g
TOTAL MASS (MMS)	7,871 g
BL PRODUCT	5.917 TM
MECHANICAL Q (Qms)	3,530
ELECTRIC Q (Qes)	0,464
TOTAL Q (Qts)	0,410
COMPLIANCE (CMS)	287,149u M/N
EQUIVALENT VOLUME (VAS)	8,860 L
FREQUENCY RESPONSE	100Hz to 6.000Hz
RESONANCE FREQUENCY	105,862 Hz
Le @ 10 kHz (coil inductance at 10 kHz)	0,2008 mH
EFFECTIVE CONE AREA (SD)	0,0147 Sq.m
CONE EXCURSION WITHOUT DISTORTION (X MAX)	- + 4 mm
FLOW DENSITY IN THE GAP	11.850 GAUSS

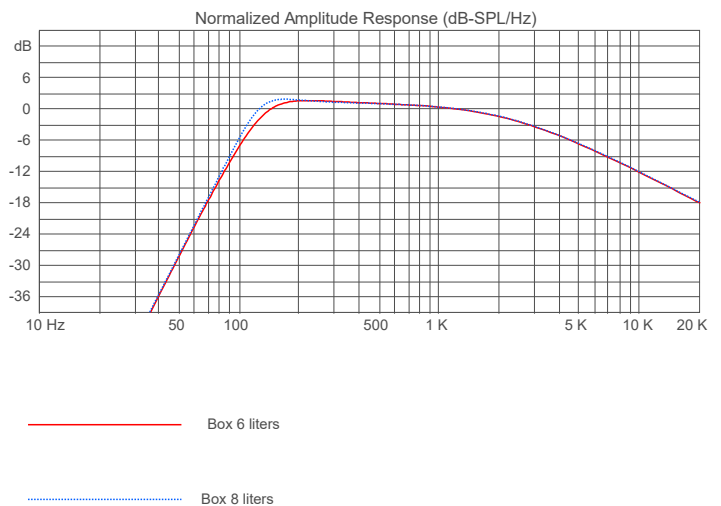
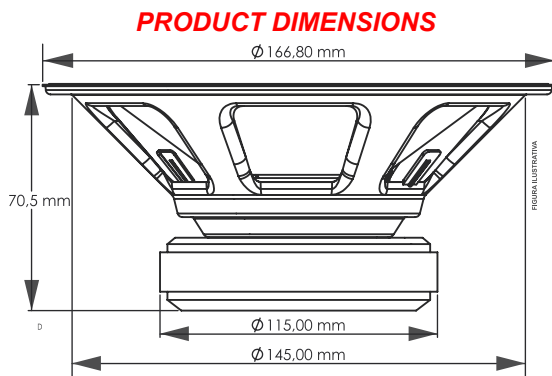
Thiele-Small parameters are obtained after applying a sinusoidal level of 50hz for a period of 30 minutes. A tolerance of + - 15% on the especificed values is allowed.

MECHANICAL PARAMETERS

NOMINAL DIAMETER	6 inches
FERRITE MEASURES	115 X 56 X 18mm
COIL DIAMETER	1.1/2 inches
COIL HEIGHT	10,5 mm
COIL WIRE MATERIAL	CCAW
COIL WIRE SECTION	Round
COIL SHAPE	*Kapton®
GAP HEIGHT	6 mm
HOUSING MATERIAL	Steel
FERRITE MATERIAL	Bário
WEIGH	1,96 Kg
VOLUME OCCUPIED ON THE CABINET	0,60 Liters

GABINET SUGGESTION

MODEL	VOLUM	DUCT	DUCT	DUCT	TUNE	(H.P.F)	ATTENUATION
	LITER	AUMONT	DIAMETER	DEPTH			
VENTED BOX	6	02	2"(inches)	71 mm	125 Hz	100 Hz	-24 dB/ 8º
	8	02	2"(inches)	40 mm	125 Hz	100 Hz	-24 dB/ 8º



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