



DATA: 03/07/2012
PROTOCOLLO N.: RSSE/ITMA/MRE/28937
DA:
MACHINERY

A:
H.M.S. S.A.S. UNIPERSONELLE
Via G. Deledda, 3
34079 Staranzano (GO) - Italy
Att: Ing. Paolo Debelli

PRATICA: 2011CS013025

OGGETTO:
Omologazione di Tipo per amplificatore Duecanali 3904.

Con riferimento alla Vs. conferma d'ordine in data 13/09/2011 inviamo in allegato il certificato di omologazione n. ELE302511CS per l'unità in oggetto.

Riceverete la relativa fattura con lettera separata.

Distinti saluti

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TYPE APPROVAL CERTIFICATE
N. ELE302511CS



This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA type approval system.

<i>Description</i>	Audio Amplifier
<i>Type</i>	DIGAM 3904 Due Canali
<i>Applicant</i>	H.M.S. S.A.S. Unipersonelle Via G. Deledda, 3 34079 Staranzano (GO) Italy
<i>Manufacturer</i>	POWERSOFT S.r.l Via Enrico Conti, 5 50018 Scandicci (FI) Italy
<i>Testing Standards</i>	Rules for the Classification of Ships - Part C - Machinery, Systems and Fire protection - Ch.3, Sect.6, Tab.1

Issued in **Genova** on **June 13, 2012**.

This certificate is valid until **June 12, 2017**

Valerio Bonanni

RINA

Valerio Bonanni

Genova, June 13, 2012

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TYPE APPROVAL CERTIFICATE N. ELE302511CS

Main features:

Audio Amplifier based on PWM technology type DIGAM Duecanali 3904

Power supply: 115Vac to 230Vac , ($\pm 15\%$)

Power supply input stage includes Power Factor Correction

Output specification: (1kHz, 1% THD)

Stereo mode		Bridge mode	
2 ohm	2400 watt	4 ohm	4800 watt
4 ohm	1950 watt	8 ohm	3900 watt
8 ohm	1000 watt	16 ohm	2000 watt

Max output voltage 140V

Max output current 75A

Audio Bandwith (1W, 8 Ohm) : 20Hz to 20kHz

Input impedance: 10 kOhm , each leg balanced to ground

Digital control of several parameter like adjustable maximum mains consumption, selectable digital presets and graphic display that shows detailed information of the status of the amplifier, monitor input and output lines status and get all alarms via GPO or via remote control.

The amplifier output stage is capable to deliver a high output voltage that allows to connect directly the amplifiers, without any transformer, to speakers line (70 / 100V)

A short circuit protection system safeguard the amplifier's output transistors under short circuits and other stressful loads.

The Amplifier uses a continuously variable speed fan to assist cooling.

If heat sink temperature reaches a preset limit the thermal sensing circuitry will mute each power section channels and power supply will be cut off.

Once the heatsink has cooled down, the amplifier will automatically reset.

The Amplifier may be remotely controlled via RS485 communication line.

Reference documents

Usermanual release 01 (13/10/2010)

Test Reports:

CETACE report n. TRP_049_12 (2012/02/21)

KEMA report n. 2126002.50-QUA/PEP _ Standard: IEC 60065:2001 +Amd 1:2005 (2009/05/05)

Remarks

Installation on board shall be in accordance with the testing condition listed on CETACE report n. TRP_049_12

Installation on board shall be in accordance with the manufacturer instructions.

Genova, June 13, 2012

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