



# TYPE APPROVAL CERTIFICATE

N. ELE041917CS/002



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

<b>Description</b>	Ship's Whistle
<b>Type</b>	EW 3
<b>Applicant</b>	MARCO S.p.A Via Mameli , 10 25014 Castenedolo (BS) ITALY
<b>Manufacturer</b>	MARCO S.p.A. Via Mameli , 10 25014 Castenedolo (BS) ITALY
<b>Testing Standards</b>	Convention on the International Regulations for preventing collision at sea , 1972_ ed. 2003 (ref. to Italian Law 27 <sup>th</sup> Dec. 1977 n. 1085)

Issued in **Genova** on **March 21, 2017**

This certificate is valid until **March 21 2022**

*Valerio Bonanni*

RINA Services S.p.A.

*Valerio Bonanni*



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Ship's Whistle EW3 (12 and 24Vdc)

**EW3 Ship Whistles**, main features:

Rated voltage: 12Vdc (10A) - 24Vdc (5A)

Rated electrical power supply : 120 W

Operating frequency: 698 Hz

Acoustic pressure: > 130 dB (1/3 Oct.) @ 1m

**Field of application**

Vessels having length from 20 to 75 meters

**Reference documents**

*Marco* technical description: GC/UTEC (30/07/1991)

*Marco* dwgs: n. 5.72-22-23 ; 5.722-23A ; 5.722.01 and technical specification stamped by RINA on 13 September 1991.

*Marco* letter on 08/02/2012

**Test Reports**

*Marco* reports n. 5722 (08/28/1991) and 5723 (08/28/1991)

*Marco* report n. 53591TO01

*Emit - Las* report n. RP1681 F1A 91 (09/1991)

*Intek* report n. RP 07-0395 Rev. 00 (31/07/2007)

*TUV* report n. Aero\_15\_016B (26/09/2015)

**Remarks**

Sound signal equipment to be installed and used according to the manufacturer instructions.