

## Electric Piston Horn

AUDIBILITY RANGE: 2 NAUTICAL MILES  
CERTIFIED FOR CLASS I MARINE VESSELS



- Horn supply complete with separate heater and motor control panel
- Piston horn is electrically powered and IMO certified for vessels over 200 meters in length
- Horn construction: High strength aluminum bell, supporting frame, nodular iron crankcase, stainless steel cylinder and fasteners
- Self draining design to prevent condensation and corrosion
- Oil free crankcase and piston cylinder assembly
- Motor is totally enclosed, marine type, IP56, insulation class F and equipped with 25 watts anti-condensation strip heater
- Motor starter (contactor) comes with solid state, temperature compensated relay that is field adjustable with thermal overload protection

\* Signal will produce a sound pressure level of approximately 70 dB @ 8 km in calm, cool conditions without topographical interference. Signal strength at distance can vary dramatically depending on environmental and geographical conditions. Please consult factory for more detailed information.

Control and Heater:	120/230V [50-60 Hz]
SPL (Loudness) on Total:	149 dBC @ 1 meter, 140 dBA @ 1 meter
SPL (Loudness) 1/3 Octave:	> 143 dB @ 1 meter
Power Consumption:	13.5 amp on 460/3/60 (other voltage available)
Audibility:	2 nautical mile (IMO)
Fundamental Frequency:	90 Hz $\pm$ 20 Hz
Tone (Musical Note):	D <sub>3</sub>
Operating Voltage:	460/3/60 (other voltages available)
Operating Temperature:	-40°C to +45°C [-22°F to +113°F]
Finish:	Primed and enamel coated twice
Degree of Protection:	IP 56
Basic Dimension:	1413x863x863mm [56x34x34"]
Net Weight:	170 kg [375 lbs]

**Kahlenberg**  
SINCE 1895

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