

TYFON – THE ORIGINAL!

FROM CLASSIC "HONKS"
TO COMPLETE SHIP WHISTLE SYSTEMS





TYFON® AUCOUSTIC SIGNALLING SYSTEM **FOR EVERY SHIP AND REQUIREMENT**

A Kockum Sonics whistle is high-quality design, it contains the experience of more than 1 million **TYFON®** installations.

Audibility is determined not simply by the strength of sound emanating from the whistle - much more is entailed to overcome absorption, distortion and ambient noise. This quality is the result of more than 80 years of development. The **TYFON®** fulfils all current IMO and national authority regulations.

TYFON SHIPSETS FOR ALL TYPE OF VESSELS

TYPICAL SHIPSET FOR OVERALL LENGTH OF MORE THAN 200 M

SUPERTYFON MKT 150/110

An air driven whistle at 110 Hz. Typically installed aft. Delivered complete with main and emergency air valves. Prepared for heating and lanyard.



ELECTRO TYFON MTX 150/130

An electrical driven TYFON at 130 Hz. Typically installed fore. Delivered complete with contactor box.



Signal Controller: TLG2000 or Ti98

Push Buttons: TL80 Panel or Box mounted

Optional: Manoeuvring Light AM760 – Bell & Gong

Signal Surveillance S900 – Morse Keys TL70; Panel or box mounted

TYPICAL SHIPSET FOR OVERALL LENGTH OF 75-200 METERS



SUPERTYFON AT 150/200

An air driven whistle at 200 Hz. Typically installed aft. Delivered complete with main and emergency air valves. Prepared for heating and lanyard.



ELECTRO TYFON MT 150/130

An electrical driven TYFON at 130 Hz. Typically installed fore. Delivered complete with contactor box

Signal Controller: TLG2000 or Ti98

Push Buttons: TL80 Panel or Box mounted

Optional: Manoeuvring Light AM760 – Bell & Gong

Signal Surveillance S900 – Morse Keys TL70; Panel or box mounted

TYPICAL SHIPSET FOR OVERALL LENGTH OF 20–75 M



Air driven:

TYFON MKT 75/350E

An air driven whistle at 350 Hz. Delivered complete with main and emergency air valves. Prepared for heating and lanyard.



ELECTRONIC ETD 100/350

Electronic whistle at 350 Hz. Delivered with amplifier and connected to 24 VDC.

Signal Controller: Ti98.

Push Buttons: TL80 panel or Box mounted.

**Optional: Manoeuvring Light AM760 – Bell & Gong
Signal Surveillance S900 – Morse Keys TL70; Panel
or box mounted**

TYFON® AIR DRIVEN

**SUPERTYFON MKT 150/90 AND
150/110**



LOA > 200 m.
incl. valve unit TV784

SUPERTYFON AT 150/130



75 < LOA < 200 m.
incl. valve unit TV784

SUPERTYFON AT 150/165



75 < LOA < 200 m.
incl. valve unit TV784

SUPERTYFON AT 150/200



75 < LOA < 200 m.
incl. valve unit TV784

SUPERTYFON AT 150/330



75 < LOA < 200 m.
incl. valve unit TV784

TYFON MKT 75/260 E



75 < LOA < 200 m.
incl. valve unit TV784

TYFON MKT 75/SERIES



LOA < 75 m. MKT 75/350
and MKT 75/440 incl. valve unit TV784

TYFON KT 75/400



LOA < 20 m.

TYFON MLT 75/345



TYFON MKT 75/660 and 800



For onboard alarm purposes
Valve unit TV88 optional

TYFON® ELECTRICAL

ELECTRO-TYFON MTX 150/130



LOA > 200 m.
incl. contractor box

ELECTRO-TYFON MT 150/130
AND 150/140



75 < LOA < 200 m.
incl. contractor box

TYFON ETD 150/350



LOA < 75 m.
incl. power amplifier

TYFON® MECHANICAL BELL AND GONG

BELL KB 30



Electromechanical

GONG KG 50



Electromechanical

TYFON® SIGNAL CONTROLLER

TLG 2000 SIGNAL
CONTROLLER



For one/two whistles,
manoeuvring light, Bell and
Gong and GEA

TI 98 SIGNAL CONTROLLER



For one/two whistles,
manoeuvring light.

TYFON® ELECTRICAL BELL AND GONG

BELL AND GONG AND BG 500



Electronic

BELL AND GONG BG 300



Electronic

TYFON® VALVES AND SOUND SIGNAL SURVEILLANCE

VALVE UNIT TV784



S900 SOUND SYSTEM
SURVEILLANCE SYSTEM



Incl. 4 microphones

TYFON® PUSH BUTTONS AND MANOEUVRE LIGHT

MORSE KEY TL70



Box or Panel mounting

TL80 AND TL85 (WITH LAMP)



Box or Panel mounting

TL80 GEA (general emergency alarm)
TL80 AS (Abandon ship)



MANOEUVRING LIGHT AM760



ALARM ONBOARD

TYPE	POWER SOURCE	FREQUENCY (HZ)
MKT 75/460	AIR-DRIVEN	460
MKT 75/660	AIR-DRIVEN	660
MKT 75/800	AIR-DRIVEN	800
KTV 75/400	AIR-DRIVEN	400
MKEV 75/460-660	AIR-DRIVEN	460 - 660 (CO ₂ Alarm)

ACCESSORIES

TYPE	EQUIPMENT
AM760 AND RWT 16M	Manoeuvring/Signalling Light
TL80, TL85	Push-button
TL70	Morse signal Key
TV88 or TV89	Solenoid Valves
TI66	Signal controller for Bell and Gong, KB30 and KG50 (electro mechanical)
TI65	Signal controller for Bell and Gong, B and G 500 (electronic)
GEA	General Emergency Alarm

TYFON® SIGNALLING, VESSELS ABOVE 200M

TYPE	POWER SOURCE	FUNDAMENTAL FREQUENCY (HZ)	IMO REQUIRED 1/3 RD OCTAVE BAND LEVEL AT 1 M, DB	IMO FUNDAMENTAL FREQUENCY (HZ)
MKT 150/90	Air-driven	90	143	70-200
MKT 150/110	Air-driven	110	143	70-200
MTX 150-120 ^{2*}	Electrically driven	120	143	70-200
MTX 150-130	Electrically driven	130	143	70-200

2* Option

TYFON® SIGNALLING, VESSELS BETWEEN 75-200M

TYPE	POWER SOURCE	FUNDAMENTAL FREQUENCY (HZ)	IMO REQUIRED 1/3 RD OCTAVE BAND LEVEL AT 1 M, DB	IMO FUNDAMENTAL FREQUENCY (HZ)
AT 150/130	Air-driven	130	138	130-350
AT 150/165	Air-driven	165	138	130-350
MT 150/130	Electrically driven	130	138	130-350
MT 150/140 ^{2*}	Electrically driven	140	138	130-350
AT 150/200	Air-driven	200	138	130-350
AT 150-330	Air-driven	330	138	130-350

2* Option

TYFON® SIGNALLING, VESSELS BETWEEN 20-75M

TYPE	POWER SOURCE	FUNDAMENTAL FREQUENCY (HZ)	IMO REQUIRED 1/3 RD OCTAVE BAND LEVEL AT 1 M, DB	IMO FUNDAMENTAL FREQUENCY (HZ)
AT 150/330	Air-driven	330	130	250-700
MKT 75/260	Air-driven	260	130	250-700
MKT 75/350	Air-driven	350	130	250-700
MKT 75/440	Air-driven	440	130	250-700
ETD 100/350*	Electronic	350	130	250-700

FOR VESSELS LESS THAN 20M

KTV 75/400	Air-driven	400	120	250-700
MLT 75/345	Electrically driven	345	120	250-700

* Can be used on river tonnage

HISTORY OF TYFON® **TAKES IT'S HERITAGE FROM THE WORLD** **RENOWNED KOCKUMS SHIPYARD**

The air driven ship's whistle was invented at the Kockum shipyard almost one hundred years ago (1918) and has since been continuously developed and improved to meet the demanding and dynamic needs of the world wide shipping industry.

DELIVERY AS A SUCCESS FACTOR

To ensure prompt and reliable costumer support our products and spare parts can be dispatched from any of our wholly-owned subsidiaries within the Kockumation Group dependent on the location of the costumer. Key factors such as quick delivery and good costumer support are heavily focused upon and this is reflected by our brand new Asian hub that has been established to supply our complete product range of Kockum Sonics and Kockumation Group products with the Asian territories.

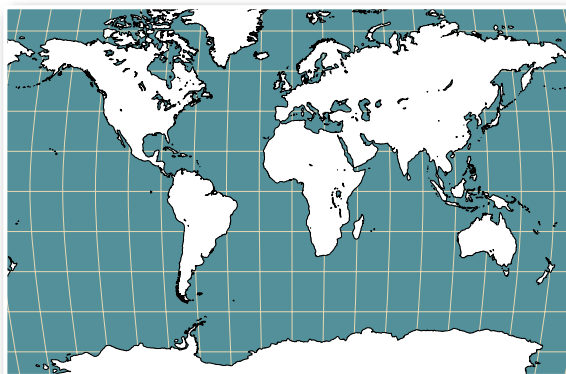
TYPE APPROVED

TYFON® is type approved by all the major classification societies and by many of the regional societies where required. All product sites within the Kockumation Group are subject to the same exacting quality assurance procedures and consequently Kockum Sonics and Polarmarine are accredited by DNV to the rigorous ISO 9001-2008 QA-system approval standard.



SERVICE AND SUPPORT **THE COVERAGE YOU DESERVE**

The Kockumation Group has a worldwide network of fully subsidiary companies that spans the globe with branch offices in Switzerland, Great Britian, Russia, China and The Phillippines. In addition to these, the Group has a global network of local agents many of which are capable of providing local service and support for the TYFON® range of marine signalling equipment. Through this extensive combination, the Kockumation Group aims to provide as much as local assistance where and when it is needed most.



For a complete list of all companies and agents with full contact details please see our main webpage www.kockumsonics.com and then "Search Representatives"

KOCKUMATION GROUP **FOR YOUR ONBOARD OPERATION**

Markets and designs high-quality niche products revolving around our core knowledge in software automation, acoustics and mechatronics.

The group focuses on meeting demanding needs in the world wide marine and industrial markets with a strong commitment to costumer satisfaction.

KOCKUM SONICS www.kockumsonics.com

Has built up an outstanding knowledge base and is always keen on new innovations. The marine product line consists of shipautomation, loading computer, level gauging, ship whistle system and on board boiler sonic cleaning method.

POLARMARINE www.polarmarine.se

Polarmarine has since the beginning developed tank cleaning machines for all type of vessels with the onboard operation in focus. Polarmarine can supply the ship owner a complete product range including full cleaning pattern but with a reduced time cycle and less slop.

TEXON www.texon.se

Provides turn-key LNG automation solution packages. Combustion control system, burner management as well as boil of gas control is core knowledge. Texon Automation has over 30 years experience in newbuilding and retrofit projects.

OUR STRENGTH IS YOUR BENEFIT!



 **Kockum Sonics**  **POLARMARINE** *Texon*  **MARINE ALIGNMENT**

www.kockumation.se

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