

TYFON - THE ORIGINAL!

FROM CLASSIC "HONKS"
TO COMPLETE SHIP WHISTLE SYSTEMS





KOCKUMATION MELODY TYFON

Kockumation make customized TYFON installations. The shipping company Silja Line celebrated 60 years in regular traffic between Stockholm and Åbo. The anniversary was highlighted in Stockholm. A Kockumation melody TYFON was shipped to the vessel for a temporary installation on board. A set of 13 tuned air TYFON were installed. With our control software the whistles played numerous songs throughout the day.



TYFON® ACOUSTIC SIGNALLING FOR EVERY SHIP

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. All proven through major class societies type approval certificates.

TYFON SHIPSET FOR ANY VESSEL

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

Manoeuvring Light AM760 with Morse key

Bell & Gong: electro mechanical or electronic

TYPICAL SHIPSET FOR OVERALL LENGTH OF 75 - 200 M



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

Manoeuvring Light AM760 with Morse key

Bell & Gong: electro mechanical or electronic

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:

TYFON ETD 100/350

Electronic whistle at 350 Hz. Delivered with amplifier using 24 VDC power supply.

Signal Controller: Ti98

Push Buttons: TL80 Panel or Box mounted

Manoeuvring Light AM760 with Morse key

Arctic whistles

Kockumation TYFON is available in arctic versions. Both air whistles and electrical whistles has passed Russian Maritime Register of Shipping (RMRS) arctic type approval process. The whistles are approved for installations in harsh environment including temperature down to -55°C.

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**



LOA < 75 m.
incl. valve unit TV784

**TYFON
MKT 75-SERIES**



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

**TYFON
KT 75/400**



LOA < 20 m.

**TYFON
MLT 75/345**



LOA < 20 m. incl. compressor CK30 and pushbutton TL80

**TYFON
MKT 75/660 75/800**



For onboard alarm purposes. Valve unit TV88 optional

TYFON® ELECTRICAL



LOA > 200 m.
incl. contractor box



75 < LOA < 200 m.
incl. contractor box



LOA < 75 m.
incl. power amplifier



LOA < 20 m. incl. compressor CK30 and pushbutton TL80

TYFON® MECHANICAL BELL AND GONG



Electromechanical



Electromechanical



Electronic



Electronic

TYFON® SIGNAL CONTROLLER



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



For one/two whistles, manoeuvring light.

TYFON® VALVES AND SOUND SIGNAL SURVEILLANCE



Main, emergency operation and heating



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 AND TL80 AS



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 REQ. 1/3 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 REQ. 1/3 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 REQ. 1/3 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® HERITAGE FROM THE WORLD RENOWNED KOCKUMS SHIPYARD

The air driven ship's whistle was invented at the Kockum shipyard over 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 customer 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 customer. Key factors such as quick delivery and good customer 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.

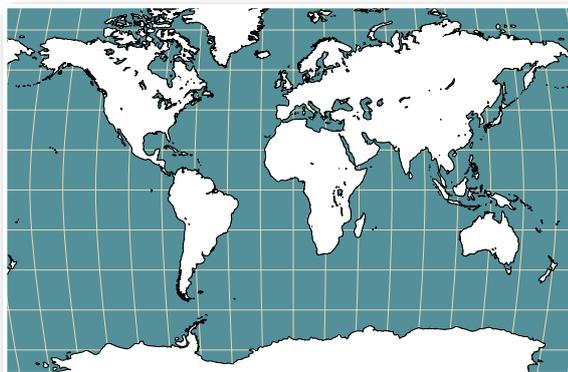
TYPE APPROVED

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 Britain, China and The Phillipines. 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 customer 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 ship automation, 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!



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