

Seabird Marine Services  
Your Reliable Friends Allover Egypt's Ports

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SEABIRD Ship Supply  
Saves you time  
Marine Equipment  
Provider of and products



SEABIRD Ship Supply is one of the leading providers of products and services to the international shipping industry. Our main customers are ship owners, ship management companies, shipyards, and offshore operators worldwide.

SEABIRD Ship Supply manufactures and supplies a complete range of quality marine equipment under the Stromme, NME, and Mariclean brands. Our branded products are engineered for dependability under rough conditions at sea by SEABIRD Ship Supply and our partners. Years of experience in close cooperation with our customers have shaped the development of our product range.

The equipment complies with top European standards and comes with the necessary classification certificates.

Visit [www.seabird-marine.com](http://www.seabird-marine.com) for the latest and detailed information about our product range.

In addition to the range of branded marine equipment, SEABIRD Ship Supply also provides provisions, stores, and spare parts.

Saves you time



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A partner with knowledge

High-quality products are not complete without the right skills and support services. Knowledge starts with a deep understanding of the needs of our customers in the shipping and offshore sectors.

SEABIRD Ship Supply also possesses the necessary technical and regulatory competence to secure the best application and usage of our products. Finally, our broad and general maritime experience positions SEABIRD Ship Supply as a logical partner for satisfying the need for equipment and supplies.

Worldwide availability

Our equipment and supplies are available worldwide through a network of offices, agents, and stock points. We are constantly working to expand the network in a changing world. The units in the network act together to ensure efficient supply and logistics for our customers.

Our worldwide presence ensures you precise delivery of the equipment you need - where and whenever you go.

Reliable delivery

At SEABIRD Ship Supply, we are constantly aware of our clients' greatest concern – to save time and make money. That is why you can count on a swift response from us, on all your inquiries. When time comes to delivery, we supply what we have promised, consistently and in a reliable way. With SEABIRD Ship Supply, you know what you will get.



Lifeboats and rescue boats

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Free-fall lifeboats

\* Dry cargo version or tanker version \* Equipped with Bukh engines from Denmark \* Drop height from 16 m (ù version) to 25 m ('version) \* Sizes from 4,9 m to 8,5 m

\* Capacities fom 19 to 48 persons

Totally enclosed lifeboats

\* Dry cargo version or tanker version. \* Sizes from 5,0 m to 10,90 m

\* Capacities from 22 to 130 persons

The NME series of totally enclosed lifeboats are designed and approved in accordance with the latest amendments to the international SOLAS regulations, the LSA code and the European Union Council Marine Equipment Directive (MED) as well as the rules of the world's major classification societies. The lifeboats and rescue boats are well-designed and offered at competitive prices.



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Partially and open enclosed lifeboats

\* Compact with low weight \* Comfortable cabin

Models: \* Partially enclosed: NorMar Pelb from 7.0 m (pers)  
to 9.6 m (h pers)

\* Open Lifeboats: NorMar Oplb from 5.50 (Xpers)  
to 9.0 (pers)

Fast rescue boats

\* Speed from 20 to 34 knots

Models: \* FRC 6.10 (outboard engine from 30 hp to 90 hp) \* FRC 6.50 (Twin outboard engines  
2x60 hp/2x90 hp) \* FRC 6.50 to 7.50 (Waterjet from 164 hp to 212 hp)

Rescue boats

\* Compact and low weight (NorMar 425 weighs 430 kg including  
25 hp engine

\* Speed from 6 to 20 knots

Models: \* NorMar 4.25 from 5.00 (Outboard 25 from 60 hp) \* NorMar 5.25 (Inboard Bukh Diesel –  
24 hp)



#### Davits

##### Free-fall lifeboat davits

\* Hydraulic pivoting davit with launch ramp \* SWL (Safe Working Load): 95 kN.

\* Approved according to European Council Directive on Marine Equipment

MED with latest SOLAS/LSA

regulation

Models: \* FFH 45 - 95

##### Combined davit systSEABIRD for liferafts and rescue boats

\* Capacities up to 3,5 tons both with electrically and hydraulically driven

winch and with manual and

hydraulically driven slewing system \* Gravity lowering system with operation from the Rescue boat

Models: \* SCM (Manually)

\* SCH (Hydraulically)

\* PRH 20,30 (hydraulic pivoting system)

\* PRHE 20, 30, 35 (hydraulic pivoting system)

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##### Davit systSEABIRD for the whole range of lifeboats

\* Approved according to European Council Directive on Marine Equipment

MED with latest SOLAS/LSA

regulation

Models: \* PLG 60,75,120,135

\* LPLG 60, 135,175

\* PFH 135, 175

\* FPG 70, 120,135,175 (offshore version)

The ship davits are designed for efficient launching of a fully manned lifeboat from the stowed position to the water level by means of gravity. The deck underneath the lifeboat is entirely free, as no wires run on the deck. For launching and recovery purposes, the system is equipped with an electric winch, delivered with a built-in centrifugal brake, which limits the lowering speed.



#### Immersion Suits

We offer three different models of high quality immersions suits for maximum safety and flexibility. The suits are manufactured by Helly Hansen Pro AS. The models are made from watertight, flame retardant, high-quality neoprene, providing insulation, buoyancy and a long lifetime. The detachable gloves ensure free use of the hands.

- \* Fire fighting and fireman's equipment \* Life saving and escape equipment
- \* Marine communication and GMDSS
- \* Pyrotechnical equipment
- \* Personal protective equipment
- \* Breathing air program
- \* Gas detection program
- \* Oil pollution equipment
- \* Worldwide service/stocks
- \* Breathing air compressor

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#### Pyrotechnical Equipment

Pollock scupper plug Stretcher

Fireman's Equipment Chemical Protection Suit HP Cleaning Protection

Fire Rescue Safety

Life Jacket Breathing Air Set

Multigas Meter

FRS is vital for a ship's operation and is a priority area at SEABIRD Ship Supply. We provide a full range of quality FRS products, in compliance with all relevant rules and regulations, including SOLAS and EC/MED.



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Breathing air compressors

Tank ventilation fans

\* Compact \* Lightweight

\* Easy operation

\* Easy maintenance

Our range of models covers both 200 and 300 bar filling pressure (other pressures on request).

Capacity from 80 to 420 l/min.

SEABIRD Ship Supply has fans for tank ventilation and general purposes.

Lightweight, great penetration and highly efficient fans. Supply air and reduce the time needed for gas-freeing operation.

Lloyd's Register and DnV approval.

Capacity from 4.750 to 28.000 m

3/hour.

Your economical alternative for breathing air.

Portable water and air driven fans for more cost effective gas freeing operations





Pneumatic fenders

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Pneumatic fenders supplied in various standard sizes. Manufactured in accordance with the international standard ISO 17357:2002.

\* Sizes from 0,3m diameter x 0,6m length up to 4,5 m diameter x 9 m length \* For use in ports and ship-to-ship operations \* Supplied as Sling type (body only) or with Chain and Tyre net for protection

of the fender body \* Offers high energy absorption with a low reaction force \* Low maintenance

\* Suitable for locations with large and small tidal differences

Protects your ship during ship-to-ship operations or when mooring at quay.



Freshwater maker systSEABIRD

- \* Potable water from sea water \* Low energy consumption
- \* Easy to install and operate
- \* Minimum maintenance required
- \* Electronic monitoring and control

The Stromme reverse osmosis fresh- water maker system is an innovative product developed and manufactured by SEABIRD Ship Supply. The system produces freshwater of high-quality potable water standard.

All models are designed with PLC control of the process for automatic operation and with an electronic flow meter for accurate reading of momentary and periodic production. The membranes – the vital part of the system – are made of high quality "thin film composite" spiral wound membranes protected in a fiber-glass reinforced epoxy pressure vessel.

A complete range of filters and spares is also part of the SEABIRD Ship Supply offer.

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AISI 316 bag filter housing

Automatic back-wash pretreatment filter

Chemical cleaning system UV filter

The freshwater maker that doesn't need attention

Stromme Reverse Osmosis (RO) gives you abundant source of high quality fresh water on board.



## Compressors

### Air treatment

Powerful, compact marine compressors

Available in air-cooled or water-cooled versions. Standard pressures:

8,10 and 13 bar max. Other capacities

and pressure ratings are available on request.

\* Capacity: 30 - 4000 m

3/hour \* Air, fresh water or sea water cooled

\* Full automatic control

\* Oversized motors and coolers

\* Easy to install and to maintain

\* Low lifecycle costs

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### Water separator

### Refrigeration air dryers

\* Multi frequency from 50 to 60 Hz \* Ultra low consumption

\* Monoblock system

\* Reduced pipe connections

\* 5 years warranty on the heat exchanger

### Other air treatment products

\* Adsorption dryer

\* Water separator

\* Air filter (dust, oil, bacteria)

\* Air receiver

\* Pressure reducer

### Air filter

SEABIRD Ship Supply manufactures and supplies marine compressors ranging from 4 to 400 kW.

Stromme marine compressors are designed for 50 0 C ambient temperature. Furthermore, they are

easy to install and easy to maintain. The design is lightweight with large cooling surface. The com-

pressors meet all major classification society requirements.

### Air dryer Air receiver

Highly effective, unique in its simplicity and totally reliable, our air dryers provides with its heat exchanger concept superb drying performance.



#### Cargo hold cleaning equipment

The chemicals dissolves stains and remove discolouring efficiently. Paint protective chemicals reduce the need for frequent and costly cosmetic repainting.

These are biological degradable, non flammable, and safe to use on most metal surfaces, painted surfaces, and coatings.

Chemical options: \* Prewash

\* Fat cargo slip

\* Aquaclean HD

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Bulk carriers need to have powerful cleaning equipment and a seastock of chemicals onboard. Today's most powerful equipment.

\* Powerful cleaning from tank top level \* Very high washing capacity

\* Self supporting stand

\* No recoil problem SEABIRD

\* Easy to mount, easy to operate

\* Heavy duty, robust equipment

\* No moving parts

\* Cleaning times is drastically reduced

Chemicals

Maxi-gun

Combi-gun Spray Foam Mini-gun

Bulk carriers are busy, and time needs to be saved. SEABIRD Ship Supply is market leaders in cargo hold cleaning solutions.



High pressure cleaning

High pressure cleaners

\* Marine design \* Compact and robust

\* Stainless steel covers

\* Easy operation

\* Easy maintenance

\* Large wheels with brake (portable units)

\* Plunger pump with ceramic pistons

\* Cold or hot water - portable or stationary

\* Range from 160 to 1200 bar

A complete solution for various purposes

\* Lances of different lengths and types \* Chemical injectors for applying chemicals/detergents \*

Sand injector for wet sand blasting

\* Pipe cleaning nozzles

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The Stromme Mariclean professional range of multi-purpose high pressure cleaners has been welcomed by the marine industry as the most robust, labour-saving, and cost-effective tool for various cleaning and maintenance tasks on board ships.



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Oily water separators

ClearWater

Our Turnkey Solution

Our premium class, the ClearWater with its innovative 3-stage design, operates as a combined gravity and coalescer system with calming and acceleration zones.

Cleaning grade: >0,1 PPM, < 1 PPM

Sizes from 0,5 to 10,00 cbm/hr

\* Easy to use controll devices \*3 -fold safety against oil pollution due to mechanical and electronical safety

devices \* Capacity can be reduced to 50 % for better cleaning grade \* No automatic backflushing periods

\* Capacity equals nominal output

\* All valve positions are indicated by electronic and mechanical devices \* Low maintenance costs

MariSep

The Standard Class

Our standard class, specially designed for retrofit and replacement.

Design is similar to ClearWater separator, but operates with special coalescer elements.

Sizes from 0,375 to 4,00 cbm/hr

\* Unit and design is small enough for transport in engine rooms through existing openings and doors \* Easy to operate

MariPower

The Chameleon

Our Multi-Purpose class

Tailor-made to customers' needs.

Sizes from 0,5 to 10,00 cbm/hr

\* Upgrade kit for existing OWS according to MEPC 363 or

MEPC 60/33 \* As stand-alone OWS according to MEPC 107/49, delivered without pump \* As stand-alone OWS with pump, vacuum or pressure operation

With years of knowledge and experience, SEABIRD Ship Supply offer three OWS models that cover our customers demand and meet the latest IMO Marpol rules and regulations.

Spares and service for most brands and types

\* Marpol survey \* Repair and maintenance

\* Spares on reasonable prices

\* Coalescers

\*15 ppm alarm units

\* Electrode rods,

\* Oil level sensors

\* Pumps

\*V a l v e s



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#### Cranes

Stomme Marine Cranes are hydraulically powered marine cranes. The cranes are delivered with a compact foldable boom or with a straight boom, alternatively with telescopic sections. The hydraulic power pack is supplied as a separate unit.

The cranes are used for general load handling and are suitable for installation in a marine environment. The slewing of the cranes is achieved by a heavy-duty double rack and pinion system or by ball bearing (slew ring) for endless rotation.

The cranes are designed and built in accordance with the DIN 15018 standard.

Marine surface treatment with total

225 my dry film thickness

Cranes types: \* Foldable compact knuckle cranes

\* Telescopic cranes

\* Articulated cranes

\* Stiff-boom cranes

\* Offshore cranes

Hydraulically powered marine cranes for general load handling.



SEABIRD Ship Supply Saves you time

Don't Hesitate To Contact Us

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SEABIRD Ship Supply product range

The widest range of marine equipment

- \_ Lifeboats
- \_ Rescue Boats
- \_ Davit SystSEABIRD
- \_ Ships and Offshore Cranes
- \_ Portable FRS-equipment
- \_ Breathing Air Compressors
- \_ Portable Fire Fighting SystSEABIRD
- \_ High Pressure Cleaning
- \_ Hold Cleaning and Protection Chemicals
- \_ Working Air Compressors and Equipment
- \_ Air Treatment Equipment and Filters
- \_ Pneumatic Fenders
- \_ Tank Ventilation Fans
- \_ Freshwater Maker SystSEABIRD
- \_ Oily Water Separating SystSEABIRD
- Marine Service
  - \_ Fire, Rescue and Safety Service (FRS)
  - \_ Mechanical and Electrical Repairs
  - \_ In-Place generator cleaning
  - \_ Insulation of LPG tanks
  - \_ Refrigeration and HVAC; Installations, Repairs, and Service
- Marine and Offshore Supplies
  - \_ Provisions, Galley and Bonded stores
  - \_ Deck and Engine Stores
  - \_ Electrical, Navigation and Safety Equipment
  - \_ Tools and Workshop Equipment
  - \_ Medical Supplies
  - \_ Carpentry, Upholstery and Refurbishment of Accommodation Areas
  - \_ Spare Part Handling, Warehousing and Logistics
  - \_ Port services - Cash to Master, Crew Mail, Garbage Disposal etc.
- Marine Spare Parts
  - \_ Local knowledge of suppliers
  - \_ Multi-lingual support
  - \_ Service and support from a local representative
  - \_ Single source contact and supply
  - \_ Access to a Pan-European Network
  - \_ Staff knowledgeable in all areas

Please refer to our website [www.seabird-marine.com](http://www.seabird-marine.com) for complete contact details.

The Stromme brand Our range of marine equipment would not be complete without state of the art products engineered by SEABIRD Ship Supply and partners. The Stromme brands are developed through years of experience in close co-operation with our customers and with top European standards with necessary class certificates.

Offices around the world in SEABIRD Ship Supply group We are an international company delivering goods and services to companies in the

maritime industrial sector. Our main customers are ship owners and ship management companies, shipyards, cruise, marine catering companies, offshore operators and exploration companies.





### **Marine**

Deliveries of diesel engine spare parts and their components, complete deck and engine equipments, electrical stores, from East and West European manufacturers to ship owners and ship management companies, fishing fleets, shipbuilding yards and ship repair yards as well as trading companies.

### **Metals**

Our export department has been set up to serve the worldwide demands from shipbuilding yards, ship repair yards as well as heavy industry such as steel work plants, aluminium and nickel works, industrial cement works, power stations, onshore and offshore plants, railway plants. We deliver high-quality ferrous and non-ferrous metals, profiles, sheet metals, tubes, fittings, flanges, valves, according to all national and international quality standards and classification of acceptance.

### **Industrial**

Export of investment goods and industrial spare parts from East and West European manufacturers. We are serving the heavy industries on an international scale, on- and off-shore plants, power plants, as well as the industrial operating trading companies.

### **STOCKIST AND SUPPLIER OF FOLLOWING DIESEL ENGINE SPARE PARTS**

#### **Main/Auxiliary Engine – SKL**

NVD 26-2 + VD 26/20  
NVD 36-1 + VD 36/34  
NVD 48-2 + VD 24/24  
NVD 24 + VD 18/16  
NVD 48 + VD 29/24

#### **Main Engine - SKL**

VDS 48/42  
VDG 48/42

#### **Emergency Generator SKL**

VD 18/15-AL  
VD 21-15-2

#### **Engines for Lifeboats - SKL**

NVD 18 + NVD 21  
KVD 8/8 - VD 8/8 - VD 8,5/8,5  
HK 65 / NZD 9 - 12

#### **Main Engines- Bryansk Engineering**

Works  
7 DKRN 74/160  
9 DKRN 50/110  
5 DKRN 50/10  
9 DKRN 74/160-2  
6 DKRN 74/160-2  
7 DKRN 50/110-2  
5 DKRN 50/110-2  
6 DKRN 75/160  
8 DKRN 74/160-2  
6 DKRN 74/160-3  
9 DKRN 84/180-3  
5 DKRN 62/140-3  
8 DKRN 74/160-3  
9 DKRN 80/160-4  
7 DKRN 80/160-4  
6 DKRN 67/140-4  
6 DKRN 67/170-7  
6 DKRN 45/120-7

6 DKRN 45/120-7  
8 DKRN 60/195-10  
6 DKRN 42/136-10  
6 DKRN 60/195-10  
8 DKRN 42/135-10  
8 DKRN 60/229-12  
6 DKRN 26/98-12  
6 DKRN 35/105-10  
6 DKRN 60/229-12  
6 DKRN 35/105-11  
6 DKRN 60/229-13  
6 DKRN 42/136-11  
6 DKRN 60/195-11  
8 DKRN 60/229-13  
6 DKRN 50/191-13  
5 DKRN 42/136-11  
7 DKRN 35/140-13  
7 DKRN 67/170-7

#### **Main/Auxiliary Engine - S.E.M.T.**

#### **Main/Auxiliary Engine - Wärtsilä**

R 14 - R 24 - R 22 - R 32 - R46



**STOCKIST AND SUPPLIER OF FOLLOWING  
DIESEL ENGINE SPARE PARTS - FUEL AND ELECTRONIC EQUIPMENT**

Main/Auxiliary Engine - Sulzer Licence  
A-20 A-25 AL-20H AL- 20/24 AL -25/30 AV-25/30  
ATL -25 ASL- 25/30 ATV - 25/30  
RD-44 / - 56/ - 68/ - 76/ - 90  
RND-68 I -16 I - 90 I - 105 RND -68 IW - 76 IW - 90 M  
RT-58 RTA-52 / -58 / - 62 / -68 / -72 / -76  
TD - 36 TAD -36 TD-48 TAD-48  
RLB-56 / - 66/ - 76 / - 90  
Z-40 ZA-40 ZA-40S S-20 TW-24 LD -28 MD 51  
ZV-40/48 ZL-40/48 BH/BAH - 22/ -29

**Main/Auxiliary Engine - MTU**

8V396TC52  
16CMB872  
20V1163TB82  
12V1163TB82  
12V493AZ80GA31  
16V956TB91  
12V396TE94  
12V331TC92

**Main /Auxillary Engine-Pervomaiskdieselmash**

6 CH 25/34  
6 CH 25/34-10  
8 CH 25/34  
8 CHN 25/34  
DGR2A 500/500 Generator  
DGRA 320/500  
DGA 315 - DGA 500

**Main/Auxiliary Engine - Russki Diesel**

6 CHN - 40/46  
DR 30/50  
DN 23/ 2 x 30

**Main /Auxiliary Engine - Daldiesel**

6 CH 18/22 ( 100 / 750)  
6 CHN 18/22 ( 160 / 750 )

**Main/Aux. Engine - B& W Alpha Diesel**

Alpha 400 - 24

**Main / Auxiliary Engine - Volvo**

**Penta**  
TMD 31A  
TMD 41A  
TAMD 41 A

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Alpha 400 - 26  
T23 HH - T23 HU - V 23 HH - V23 HU -T23 LH - T 23 LU  
V23 LH - V23 LU - L23/30 V 23/30  
S28 LH S28 LU  
SL28/32 - V 28/32

TAMD 61 A  
TAMD 71A  
TMD 100C  
TMD 121 C  
2001 - 2002 - 2003

**Main/ Auxiliary Engine - ABC**

MDX  
MDXS  
MDXC  
MDZC - 135 – 750  
MDZC - 135 - 1000

**Main / Auxiliary Engine - MaK**

M 282 - 332- 452 - 453C - M35  
M35 L- M551 - M552

**STOCKIST AND SUPPLIER OF FOLLOWING  
DIESEL ENGINE SPARE PARTS – FUEL AND ELECTRONIC EQUIPMENT**

**Main/Auxiliary Engine - CKD Motory**

6 - 27,5 AO  
6 - 27,5 A2  
6 - 27,5 A4Ä  
6 S 350 PN  
9 Ts 35/50-2  
6 - 38 A6  
8 - 27,5 B8  
12 - 27,5 B8  
6 L 525

**Main/Auxiliary Engine - Deutz /MWM**

TWD 610 G- TD 710G-TWD 710G  
TWD 740 GE- TD 1010 G -TAD 740  
TD 1210 G - TWD 1211 G- TAD 1232 GE  
TWD 1630 G - TAD 1631 GE  
229-912-913-TBD616-1015M  
229-912-913-TBD620-628

**Main Engine- DMR**

ZD 72/48  
KZ 57/80 A  
KZ 57/80 C  
KZ 57/80 F  
KZ 60/105 E  
KZ 70/120 A  
KZ 70/120 C  
KZ 70/120 E  
KSZ 70/125 B/BL

**Main/Auxiliary Engine - Riga Dizelis**

PM 16 - PM 24 - PM 32 - PM 45 PM 60 T



**Main/Auxiliary Engine - IVECO**

8031 - 105      8061 - R 125  
8041 - 105      8361 SR 126  
8061 - 125      8210 SR 126  
7450 - SI 15      8281 SR 126

**Main Engine - MAN**

K 67 GF   K 80 GF  
K 62 EF   K 74 EF   K 84 EF  
L 35 MC   L 42 MC   L 50 MC   L 60 MC  
L 45 GFCA   L 67 GFCA  
S 26 MC   S 60 MC  
50 VTBF 110  
74 VTBF 160  
75 VTBF 160 50 VT2BF 110 74 VT2BF 160

**Fuel Equipment**

Single fuel injection pumps  
Block pumps  
Electronics  
Injectors  
Governor drives  
Reconditioning -Spare parts -Services

**Electronic**

Intercom system-radio amplifying Station, echo sounder, engine control fire alarm central Station, automatic power generating plant, control and switch gear air + liquid, data recording System  
S 400-SAV 2000-SAV 2001-HAG 311-HAG 331-AFD I-AFD II-AFA I-SUZ -SER-S3/JE  
1SER/17-SER/3-SER/-SER/-SER/JE 1-IP10-IP 22 c-ZME 101 1S-ZME1-HSA II-HSA  
II-6561-6562-6542-6540-6543-6541-6270.14-8617-Ursadad 4100-Tyfon 150 hz

**STOCKIST AND SUPPLIER OF FOLLOWING  
COMPRESSOR - TURBOCHARGER - PROPELLER SPARE PARTS**

**Air compressor types:**

2 S 1 - 75  
2 S 1 - 75 b  
2 S 1 - 75 c  
2 S 1 - 125  
2 S 1 - 125 c  
2 S 2 - 125 e  
2 V 2 - 125  
SC-1-115  
AMV - 190  
AHV 1-90/125 ERG

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4 / 8 KE  
2 HS 1 A

**Provisions reefer plant**

H 2 – 80  
2 H 2 - 56

**Air compressor types:**

2TF5/54 2TM6/1/3 2SF3/4/42F 2MF6/62

**Air compressor types:**

HV1/85 HVI/156 HV2/200 HV2/300  
HL2/77 HL2/160 LL2/77 LL2/160

**Air compressor types:**

W-80 -110 -140 -220 -280 -330 -420 -600

**Refrigeration compressor types:**

SMC CMO BFO PKO  
EKP 70/25 - EKP 210/25 - EKP 280/25

**Refrigeration compressor types:**

H2-10 H2-14 H2-20 H2-28 H2-56  
H2-80 H2-112 2H2-56 2W6-100

**Cargo reefer plant**

S 3 - 450

**Combined cargo reefer and A/C plant**

S 3 - 900 S 3 - 1800

**STOCKIST AND SUPPLIER OF FOLLOWING TURBOCHARGER SPARE PARTS**

**Turbocharger types:**

H3 H32 H6-1 H7 H71 M40 M50 M60  
R2 R2-2 R3 R3-2 R3-2L R4-2 R4-3  
R5-3

**Turbocharger types:**

NA48 NA51 NA52  
TL5-40H

**Turbocharger types:**

PDH 16 - PDH 25 - PDH 35 PDH 50  
PDH 70 PDH 100 PDH 150

**Turbocharger types:**

TK 23 - H 06 / TK - 23 H10  
TK 23 - H 15 / TK - 23 H40

**Turbocharger types:**

VTR 160 161 200 201 250 251 254  
304 320 321 354 400 401 454 500  
501 630 631 750 751

**Turbocharger types:**

52 CO 45 C  
51 MS/HP 200/210  
48 R 510 A4A



**Controllable-pitch propeller plant**

Hub with propeller blades - propeller shaft - pitch control unit with hydraulic system - shaft couplings stern tube seals of Simplex Compact type - remote control unit - spares and service

**STOCKIST AND SUPPLIER OF FOLLOWING MARINE EQUIPMENT**

**Pump types:**

KRW - KRWB - GLA - GL - G1V - GLV - GLVK - GLKV - KIRV - KSEY - KSEYK - WSI - WBI  
KSOH - KSR - KCR - ANF - AUS - KRE - TMP - AC - ACD - KRZ - KRG - HZ - USP - E30 - UP  
ACG - ACE - AF - AM - M9 - M13 - SMv - SSMv - KSEX - KSEF - KRCLV - KRCH - Afü - Bü - Bfü  
and many other

**Separator types:**

MAPX MOPX WHPX' FOPX MAB MB  
OZB/1,5 OZC SOZA/1,5 SOZB/5 SOZB/5,1 SOZB/5,2  
KRSK/10 KRSK/11 + Separator control equipment

**Auxiliary boiler types:**

ESH 2,5 ESH 4,0 ESH 6,3

**Exhaust gas boiler types:**

AKS 2,0-16/16x16 2t/h AKS 2,2-24 2,5t/h

**Heat exchanger types:**

AKSR 1,4-6/16+16 AKSR 2,0-26/18

**Surplus production condenser types:**

A IV/2 2,5t/h

**Steering gear types:**

1 RaO/16 2 Ra 0/24 1 Ra 40/60-U35 2 Ra 14/24 1 Ra 30/36 3 Ra 24/36-U35 10 Ra  
24/36-U35

**Winches of different types:**

WC-8 AVW AVSp SKW MP HPW HW HGW SHGW BOW GeW

**Marine Incinerator types:**

SAVA 50/50 SAVA 75/50

**Further we can serve you with deliveries of:**

Accumulators - Air Condition Equipment - Anchors - Bearings - Blowers - Brake Linings Container  
Lashing Material - Deck Machinery - Filter - General Electric - Grinding Machinery Hatch Covers -  
Heat Exchangers - Heaters - Hoist Blocks - Hoses - Hydraulic Systems Indicators - Ladders  
(Gangways) - Lifeboat Equipment - Liferafts Inflatable - Machine Tools Mooring Systems - Mooring  
Ropes - Electromotors - Navigation Equipment - Packings Propellers - Safety Equipment -  
Shackles - Shafts, Flexible - Stern Tubes (Simplex - Neptun) Tachometers - Thermometers -  
Valves - Ventilation Systems - Welding Equipment

**Fishing vessel equipment : New and Spares**

Fish Processing Machinery (BAADER) - Refrigeration Plants (Ice Generators and Compressors)  
Twines - Wire Ropes - Shackles - Thimbles - Blocks - Inflatable Buoys - Fenders - Trawl Floats



**Prompt deliveries of tubes, fittings and metals for shipbuilding, ship repair and industry**

**Classified to all national and international standards as DIN, ASTM, BS, ANSI, LRS, GL RMRoS etc.**

**Steel**

Plates  
Bulb  
Fiats  
Universal Flat  
Angles  
Round Bar  
Halfround Bar  
Hexagon Bar  
Square Bar

**Supply of Seamless /Welded Tubes and Fittings**

Steel  
Stainless Steel  
Copper - Nickel  
Copper  
Aluminium Brass

**Non Ferrous Metais**

Copper-Nickel  
Aluminium Brass  
Aluminium  
Naval Brass  
Copper  
Titanium  
Incoloy  
Monel

**Tubes** Steel grades C - St 37.0 - St. 52.0 St. 52-3 - St. 52-3 N  
Test Certificates according EN 10204 (DIN 50049) - available: 2.1 - 2.2 - 3.1 B - 3.1 C

**Steel**

SEAMLESS TUBES     DIN 2448  
WELDED TUBES        DIN 2458

**Stainless Steel**

SEAMLESS TUBES DIN 17456/58  
WELDED TUBES DIN 17457  
AISI 316 L - 1.4404 ; AISI 316 Ti - 1.4571  
AISI 304 L - 1.4306 ( 1.4301 ) ; TP 321 H - 1.4541

**FLANGES**

Weld Neck Flanges  
Weld Neck Flangesgroove + tongue  
Blind Flanges  
Threaded Flanges  
Slip on Flanges  
Lap Joint Flanges  
Piain Collars

**DIN PROGRAM**

DIN 2631/32/33/34/35/36/37/38/28  
DIN 2512  
DIN 2527 PN 6, 10, 16, 25, 40, 63, 100, 160  
DIN 2558, 2565, 2566, 2567  
DIN 2573, 2576  
DIN 2641, 2642, 2656, 2673, 86037  
DIN 2641, 2642, 2656,

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Slip on Flanges DIN 86029, 86030  
Slip on Flanges DIN 86041, 86044

**ELBOWS**

Elbows DIN 2605seamless 45°, 90°, 180°

**BUTT- WELD FITTINGS**

Tees seamless / welded DIN 2615 T1,2  
Reducers conc. DIN 2616 T2  
seamless /welded  
Reducers exe. DIN 2616 T1  
Caps DIN 2617  
Saddle branches, short DIN 2618  
Saddle branches DIN 2619

**STEEL BARS:** round, hexagonal, square, flat, drawn, rolled or wrought, ground  
**SECTIONS:** angular T, U, I-Z L, JPE, TB rolled, extruded metal bars, canted, special sections acc. to drawing

**SHEETS:** hot or cold rolled blanks, brushed, coated, plasma burnt, water-jet sawn, perforated plates, bulb plates

**FORGED PARTS:** hammer or drop forged

**PIPES:** seamless and welded, ground, annealed, pickled and drilled, pipes for beverage pipelines

**PIPE ACCESSORIES:** bends, flanges, T-pieces, flanged parts, reducing pieces, nipples, coupling sleeves, caps, bolts, bumped boiler ends etc.

**HOLLOW STEEL:** seamless, hot-fabricated

**SECTIONAL PIPE:** welded, ground, special dimensions upon request

**WIRES:** as rings and rods, spools, uncoiling rods, coils and straightened fixed lengths

**STRIPS:** on coils, as slit strip, cold strip, hot strip, rings

**WELDING MATERIAL:** as welding wires and electrodes, on spools and bars

**NON FERROUS**

**METALS:** aluminium, brass, copper, gunmetal, bronze

**HIGH-GRADE STEELS RESISTING TO RUST, ACID, AND HEAT:**

Material	DIN
1.4000	X 6 CR 13
1.4003	X 2 CR 11
1.4005	X 12 CR S 13
1.4016	X 6 CR 17
1.4021	X 20 CR 13
1.4024	X 15 CR 13
1.4028	X 30 CR 13
1.4031	X 38 CR 13



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1.4043	X 46 CR 13
1.4057	X 20 CR N 172
1.4104	X 12 CR Mo S 17
1.4105	X 4 CR Mo S 18
1.4110	X 55 CR Mo 14
1.4111	X 110 CR Mo 15
1.4112	X 90 CR Mo V 18
1.4113	X 6 CR Mo 171
1.4120	X 20 CR Mo 13
1.4122	X 35 CR Mo 17
1.4125	X 105 CR Mo 17
1.4301	X 5 CR Ni 1810 k
1.4305	X 10 CR Ni S 189
1.4306	X 2 CR Ni 1911
1.4307	X 2 CR Ni 18-9
1.4310	X 12 CR Ni 177
1.4313	X 3 CR Ni Mo 13-4
1.4401	X 5 CR Ni Mo 17122
1.4404	X 2 CR Ni Mo 17132
1.4406	X 2 CR Ni Mo N 17-11-2
1.4429	X 2 CR Ni Mo N 17133
1.4435	X 2CR Ni Mo 18143
1.4436	X 5 CR Ni Mo N 17133
1.4439	X 2 CR Ni Mo N 1735

ALLOYED HIGH-GRADE STRUCTURAL STEEL:

50 CR V 4	8159	12 Ni 19	5680	41
CR 47035				
51 CR V 4	8159	14 Ni CR 14	5752	25
CR Mo S 4	7213			
34 CRAL Mo 5	8507	15 CR Ni 6	5919	30
CR Mo 4	7216			
31 CRMO V 9	8519	18 CR Ni 8	5920	25
CR Mo 4	7218			
34 CRAL Ni 7	8550	30 CRNi Mo 8	6580	26
CR Mo 4	7219			
20 MN CR 5	8704	34 CRNi Mo 6	6582	34
CR Mo 4	7220			
37 MN Si 5	5122	35 CRNi Mo 6	6583	42
CR Mo PB 4 7222				
15 Mo 3	5415	17 CRNi Mo 6	6587	
	41CR Mo 4	7223		
16 Mo 3	5415	26 Ni CR Mo V 12-5	6958	42
CR Mo 4	7225			
30 MN B 4	5526	34 CR 4	7033	50
CR Mo 4	7228			
24 CR Mo 5	7258	13 CR Mo 4-5	1.7335	
X 2 Ni Co. Mo 18-9-5	1.6358	13 CR Mo 44	1.7335	
15 Ni Cu Mo Nb 5	1.6368	10 CR Mo 9-10	1.7380	
15 Ni Cu Mo Nb 5 S	1.6369	30 CR Mo V 9	7707	
23 MN Ni CR Mo 3	1.6540	21 CR Mo V 5-77709		
23 MN Ni CR Mo 5-3	1.6541			

HIGH-CARBON STRUCTURAL STEEL



CK 60 1.227 CK 67 1.1237 CK 75 1.1248 CK 85 11,269

**TOOL STEELS:** 1.1545-1.1730-1.1740  
1.2365-1.2379-1.2436  
1.2067-1.2080-1.2083 1.2601-1.2713-1.2714  
1.2764-1.2767-1.2842 1.2162-1.2311-1.2312  
1.2316-1.2343-1.2344

**TEMPERING STEELS:** C 15 C 22 C 22.8 C 35 C 45 C 60 C 75 CK 15 CK 22 CK 35 CK 45 CK 60  
100 CR-6-37 Mn Si 5-15 Mo 3 14 Ni CR 14-14 Ni CR 18 15 CR Ni 6-18 CRNi 8 30 CRNi Mo8 34  
CRNiMo 6-17 CRNi Mo 6 34 CR 4-41 CR 4-25 CRMo 4 34 CRMo 4-42 CRMo 4-50 CRMo 4 13  
CRMo 44-34 CRAL Mo5 31 CR Mo V 9-34 CRAL Ni 7

**SEAMLESS TUBES:** ST 35.8 1 + IM 15 Mo 3-13 CR Mo 44 10 CR Mo 910 - 12 CR Mo 195 12  
CR Mo 91 - TiSt 35N TiSt 35 V - 10 Ni 14 T StE 355

**SHEETS and BLANKS:** 17 Mn 4-15 15 Mo Mo 3-13 Cr Mo 44 10 CR 910-12 Cr Mo 19.5 StE/TStE  
-WStE EStE 285/355/460 StE 690/890/960 QStE 380 N/380 TM 690 TM C45/CK45/C60/CK60

**Manganese steel and high-grade steel blanks**

**FINE-GRAINED** W/STE 285-WT/STE 355-W/STE 360-STE 460  
**STEELS:** STE 690-STE 890-QSTE 690-QSTE 380 TM  
QSTE 460 TM-QSTE 690 TM-STE 690 V

**MANGANESE STEEL** 3401

**NICKEL ALLOY:** 2.4066, 2.4068, 2.4360, 2.4375, 2.4816, 2.4851, 2.4663, 2.4856, 2.4668, 1.4959,  
1.4958, L 2.4858, 2.4819, 1.4864, 2.4951, 2.4952, 2.4969, 2.4610

**HIGH-QUALITY STEEL:** C 22.8 0.460

**TITANIUM, ZIRCONIUM,  
TANTALUM,  
MOLYBDENUM**