



PT. ANTAKESUMA INTI RAHARJA

DIESEL ENGINE PARTS AND SERVICES

CERTIFIED ISO 9001 : 2015



GEARBOX SUPPORTED

DIESEL ENGINE SUPPORTED



ABOUT US



Since 1997, PT. Antakesuma Inti Raharja has become the leading service provider for advance propulsion and marine system in Indonesia. The marine and railway industry in Indonesia have allowed us to grow, expand and garner trust among the top industry players.



THE QUALITY POLICY

PT. Antakesuma Inti Raharja prioritizes customer satisfaction in diesel engine services by implementing an international-standard quality management system certified to ISO 9001:2015 by DQS, and by enhancing employee competencies through training on various types of diesel engines to develop skilled and experienced professionals.



▶ Certified MTU



▶ Certified Caterpillar



▶ Certified Dresser Rand



▶ Certified MarineDiesel



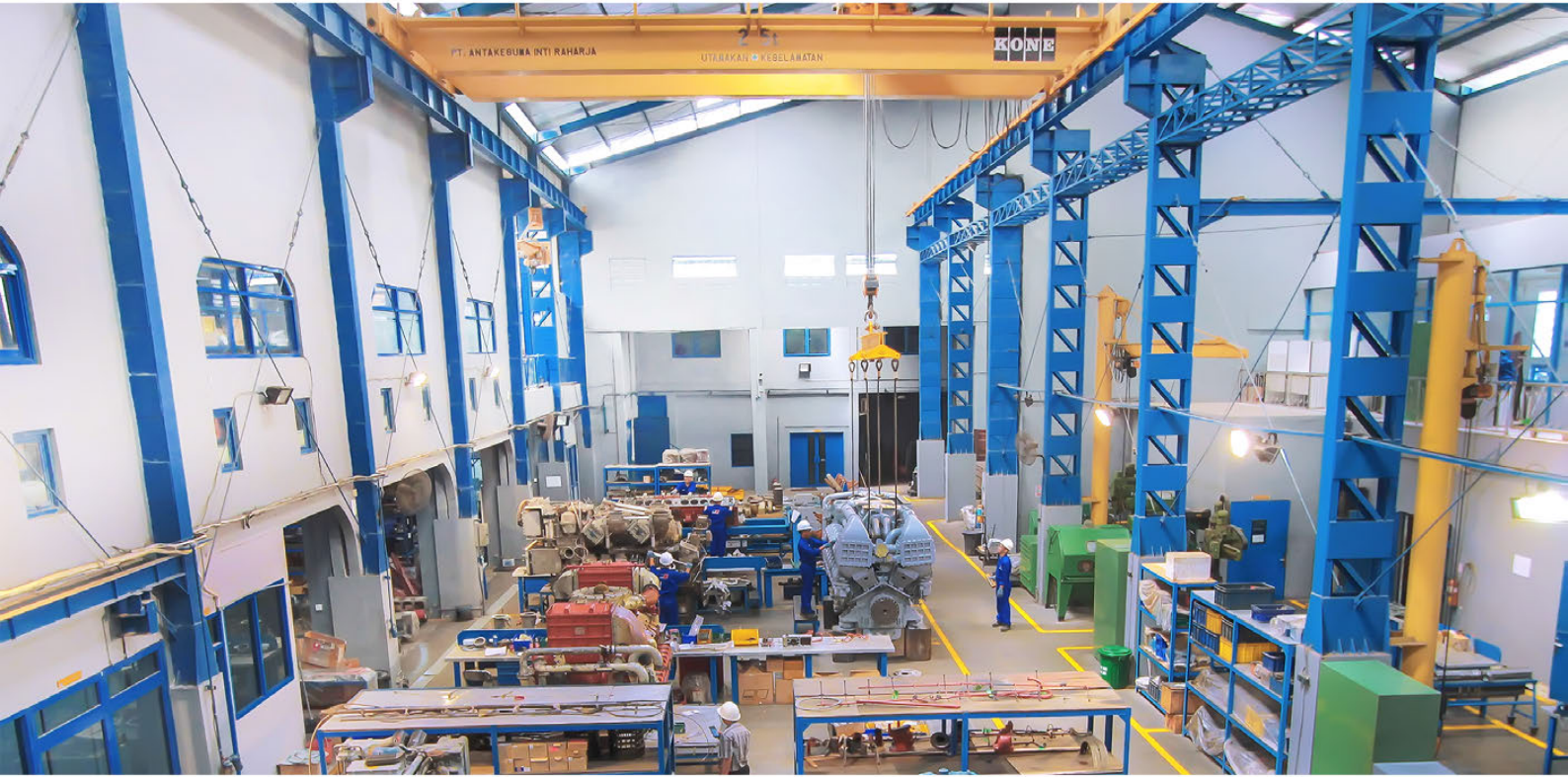
PT Antakesuma Inti Raharja has been established in Surabaya, committed 24/7 of reliable service and technical support to customers all over Indonesia with its complete stock of major spare parts.



THE SERVICES WE OFFER :

1. Experienced engine and electronics experts for assistance in installation, commissioning and repowering.
2. Engine maintenance, based on condition and preventive maintenance.
3. Training for your operation, service and workshop personnel.
4. Guaranteed prompt and reliable supply of genuine spare parts.
5. Worldwide onsite support.

WORKSHOP



In our 3000m² certified workshop, PT. Antakesuma Inti Raharja provides diesel engine maintenance, overhaul, and general repair. Our workshop is fully equipped with the heavy duty common rail injector test, testing and calibration injection system, machineries and special tools to support customers as one stop service.



QUALITY
Control Room



General & Special
TOOLS



UTILITY
Crane 25 Ton

Test Bench



Common Rail Injector Test



Calibration Injection Pump in Line



Calibration Injection Pump Single



Governor Calibration

Machineries



Conrod Bore Cutting



Valve Seat Cutting



Sand Blasting Machine



Lathe Machine with DRO



We are ready to supply spare parts for marine and railway engines. For better convenience to our customers, we provide online shopping system.

We offer professional packaging and logistics services, using high-quality materials and experienced personnel to ensure your spare parts arrive safely and securely.



Online Shop

The online shop for spare parts

Find the right spare part in our catalog product and order it conveniently online from everywhere.

Please visit

www.antakesuma.com

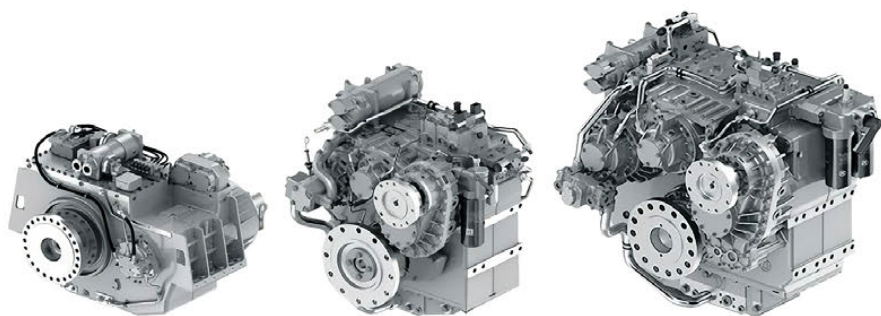
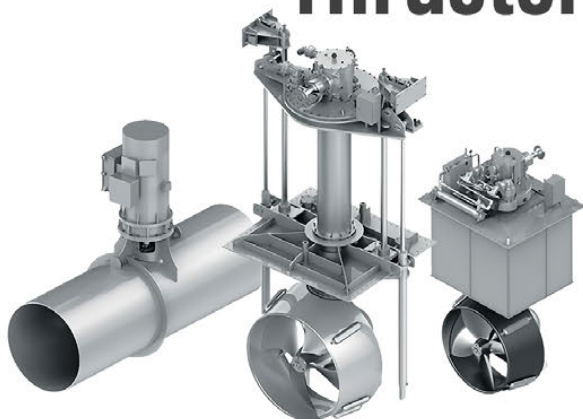




Products for Marine Propulsion Systems

ZF Marine offers a comprehensive range of azimuth and tunnel thruster solutions for commercial and fast vessels. A power range from 100 kW to 2,000 kW can be matched with either diesel, electric or hydraulic prime movers.

Thrusters



Transmissions For Fast Craft

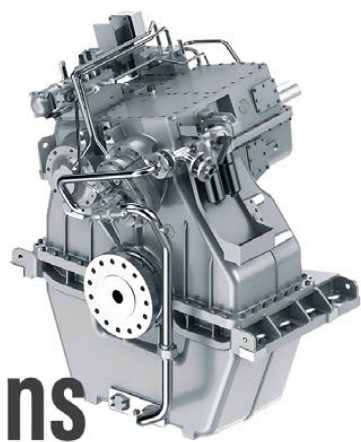
Propulsion systems for large yachts, fast ferries and vessels for naval, customs and coastguard. For the development of transmissions for fast craft, compliance with stringent environmental and technical specifications is ensured in order to meet the requirements of safety, availability and reliability.

The range of fixed pitch propellers from ZF Faster Propulsion are suited for a wide variety of pleasure craft applications including sport fishing boats, cruisers, motor yachts, as well as for many commercial applications.

Fixed Pitch Propeller



Transmissions For Commercial Craft



ZF offers robust transmissions with a power range up to 12,000 kW for a variety of commercial applications, such as freighters, tugs, workboats and tankers.



SCANIA

MARINE POWER

Empower Your Operation

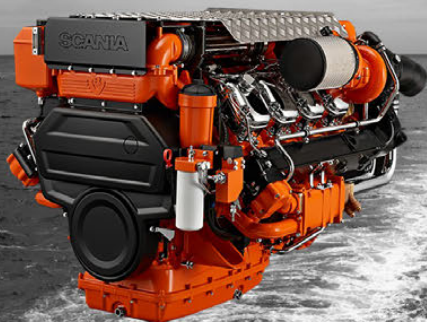
Scania offers 13 and 16 litre engines that deliver 400 to 1,000 hp and provide superior performance and maximum stability with impressively good fuel economy. These engines were designed to carry out heavy-duty and rigorous tasks. Scania engines are also known in the industry for their unsurpassed torque.

ENGINE TYPE
Propulsion

OUTPUT RANGE
Up to 1150 hp (846 kW)

DISPLACEMENT
9.3 Litres, 12.7 Litres, 16.4 Litres

COMPLIANCE
Scania's marine engine are certified to a number of different emission regulations.



ENGINE TYPE
Auxiliary

OUTPUT RANGE
Up to 640 kW

DISPLACEMENT
9.3 Litres, 12.7 Litres, 16.4 Litres

COMPLIANCE
Scania's marine engine are certified to a number of different emission regulations.



Scania offers three categories of modular marine engines with power ranging from 220 to 1,000 hp and a 5, 6 and 8 cylinder range.



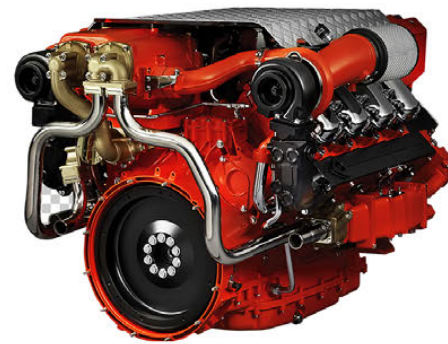
DI 9
9-Litre Engines

Configuration	5 in line
Swept Volume	9.3 litres
Fuel Injection Control	Scania PDE, Unit Inejctor
Output Range Propulsion	162 - 294 kW (220 - 400 hp)
Output Range Auxiliary	199 - 269 kW at 1500 rpm 199 - 323 kW at 1800 rpm



DI 13
13-Litre Engines

Configuration	6 in line
Swept Volume	12.7 litres
Fuel Injection Control	Scania PDE, Unit Injector, XPI
Output Range Propulsion	294 - 680 kW (400 - 925 hp)
Output Range Auxiliary	323 - 376 kW at 1500 rpm 376 - 426 kW at 1800 rpm
	426 kW at 1500 rpm 426 kW at 1800 rpm



DI 16
16-Litre Engines

Configuration	V8
Swept Volume	16.4 Litres
Fuel Injection Control	Scania PDE, Unit Inejctor, XPI
Output Range Propulsion	405 - 882 kW (550 - 1200 hp)
Output Range Auxiliary	430 - 480 kW at 1500 rpm 468 - 553 kW at 1800 rpm
	511 kW at 1500 rpm 596 kW at 1800 rpm

PRODUCT

KOHLER
IN POWER. SINCE 1920.

MARINE GENERATORS



Kohler Marine generators bring industry leading technology and unparalleled reliability to marine gensets. From 5kw to 500kw, radiator and keel cooling, sound attenuating enclosures and compact frames these generators are built to keep you powered. Kohler Marine Generators are the only generators on the market with built in paralleling capabilities and load management automation. All major class certifications available (DNV, Lloyds, ABS, BV).



Standart Options

- Optional sound enclosures
- 60/50 Hz compatible (6 to 500 kW)
- 12- or 24-VDC start
- Heat exchanger, keel, or radiator cooling
- Ignition protection (6 to 40 kW)
- CAN communication
- Remote panels with monitoring
- Port and starboard side connections (14 to 40 kW)
- PGEN—automatic paralleling (14 kW and above)
- PGEN—auto Transfer from generator to generator
- Third-party classification available



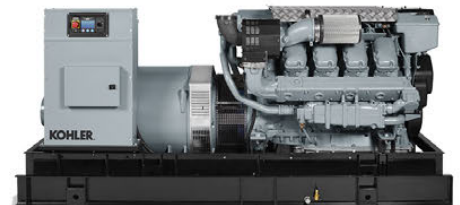
PLEASURE CRAFT

kVa	6 - 250
Engine	John Deere Engine
Controller	DEC3500
Features	Short-circuit capability
Certificates	DNV, Lloyd's Register, BV & ABS



COMMERCIAL VESSEL

kVa	41 - 219
Engine	Kohler Engine
Controller	DEC3500
Features	Delivers Excellent Voltage Response
Certificates	DNV, Lloyd's Register, BV & ABS



350EOZCS TO 500EOZCS

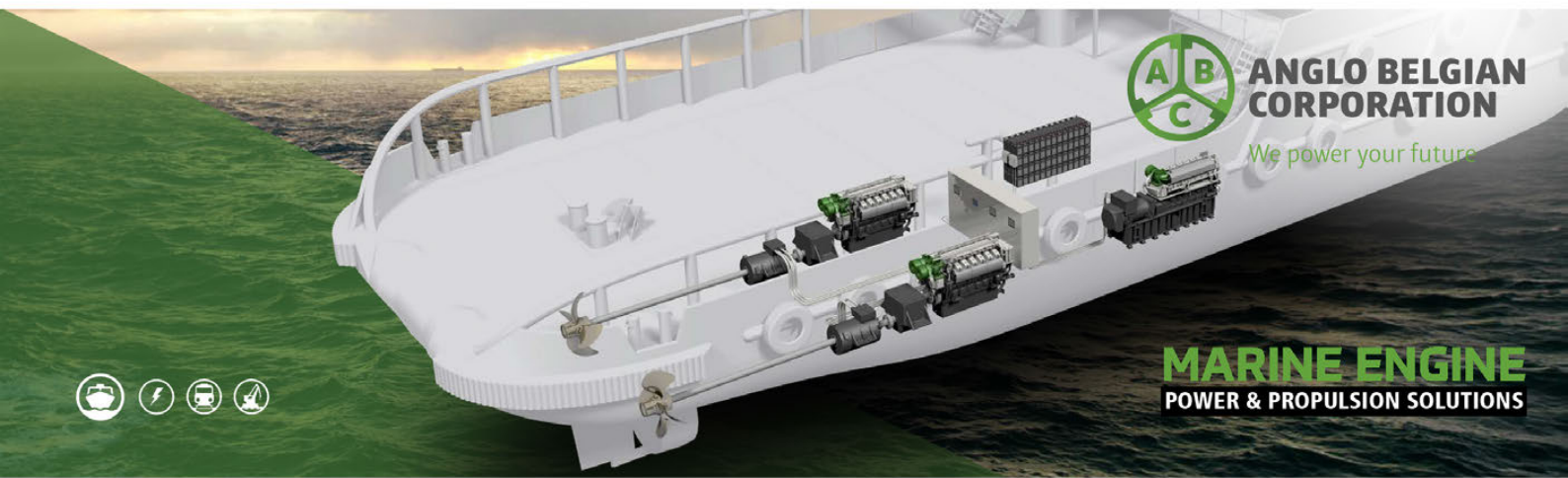
kVa	438 - 625
Engine	Scania Engine
Controller	DEC3500
Features	Low Voltage & Frequency Regulation
Certificates	DNV, Lloyd's Register, BV & ABS



ANGLO BELGIAN CORPORATION

We power your future

MARINE ENGINE
POWER & PROPULSION SOLUTIONS



6 / 8 DL36

Cylinder	6 - 8 inline engine
Engine speed	Max. 750 rpm
Power	Up to 5,200 kW Up to 7,065 HP
Swept Volume	6 cylinders: 263,4 liters 8 cylinders: 351,2 liters
Fuel Injection	Common Rail

6 / 8 DZC

Cylinder	6 - 8 inline engine
Engine speed	Max. 1,000 rpm
Power	Up to 2,000 kW Up to 2,717 HP
Swept Volume	6 cylinders: 95,7 liters 8 cylinders: 127,6 liters
Fuel Injection	Direct, mechanical One pump per cylinder
Turbo	Turbocharged

12 / 16 (V) DZC

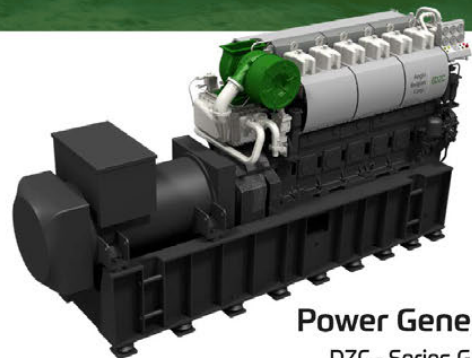
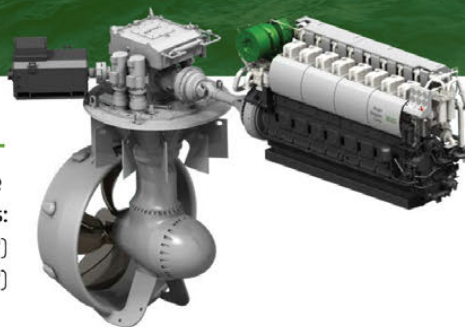
Cylinder	12 - 16 in V
Engine speed	Max. 1,000 rpm
Power	Up to 4,000 kW Up to 5,435 HP
Swept Volume	12 cylinders: 191,5 liters 16 cylinders: 255,2 liters
Fuel Injection	Direct, mechanical One pump per cylinder
Turbo	Turbocharged

Propulsion System

- ABC Thruster Solutions are possible in 2 different configurations:
- Fixed Pitch Propeller (FPP)
 - Controllable Pitch Propeller (CPP)

All our Hybrid Systems are possible in both configurations:

- CODLOD (Combined Diesel - Electric or Diesel Engine)
- CODLAD (Combined Diesel - Electric and Diesel Engine)



Power Generation
DZC - Series Generator



ABC inline Solutions

Electronics

The marine Power Management System (PMS) and integrated power and propulsion management can be customized to customer and ship specifications.



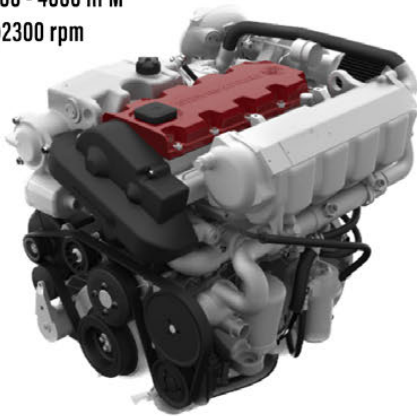
PRODUCT



Steyr Motors offers a variety of 4 and 6 cylinder engines ideal for defense, commercial, and recreational use. The key to Steyr Motor success lies in the Steyr Monoblock design, providing superior power density, reliability, and safety in all operational conditions.

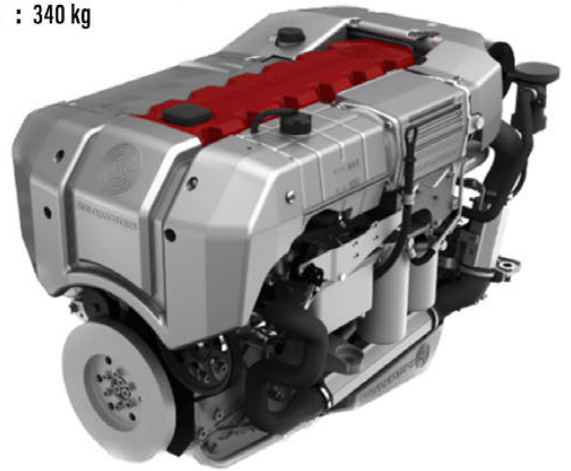
SE 4-CYLINDER MARINE ENGINES

POWER : Rated power 106 - 118 kW (114 - 160 HP)
SPEED : Rated speed 3800 - 4000 RPM
TORQUE : Up to 330 Nm @2300 rpm
DRY WEIGHT : 263 kg






SE 6-CYLINDER MARINE ENGINES

POWER : Rated power 88 - 215 kW (120 - 292 HP)
SPEED : Rated speed 3200 - 3800 RPM
TORQUE : Up to 588 Nm @3300 rpm
DRY WEIGHT : 340 kg



MARINE ENGINES DESIGN FOR OPTIMAL PERFORMANCE

Product lines	MARINE (MAR)			
Application	Battle Boats	Rib Boats	Commercial Boats	Tender Boats
				
	<i>Primary Propulsion Power & Electricity</i>			
Steyr Motors Solution	 <p>Marine applications require 4- and 6- cylinder engines. Further whole powertrain solutions (including gear boxes) are often provided</p>			



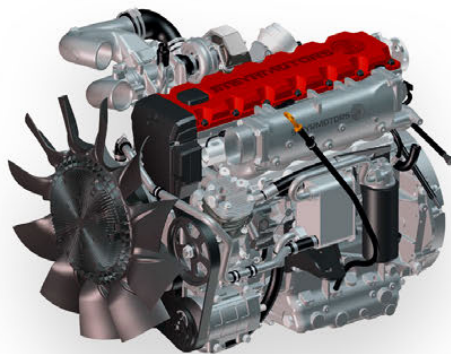
STEYR MOTORS engines boast a remarkable power-to-weight ratio and a compact design.

The dual circuit cooling system ensures both durability and top performance. A variety of propulsion systems, including sterndrive, jet, shaft, and surface drive, can be paired with STEYR Motors engines.



Steyr Motors AG develops and produces high-performance diesel engines with the highest power density and durability for heavy-duty vehicles, boats and generator sets while also providing engine-optimised software solutions with digital networking.

**M16 SCI, 200 kW
VEHICLE ENGINES**



HIGHT POWER TO WEIGHT RATIO
2-times lighter than our competitors

MONOBLOCK DESIGN
(Enables free orientation of engine)

Compact design
Reliability and Robust
Safety in operation

MULTIFUEL CAPABILITY (Diesel and Jetfuel)
Adaptable to individual requirements

POWER : Rated power 200 kW
TORQUE : Up to 610 Nm @1550 rpm
DRY WEIGHT : 280 kg



**POWER GENERATION
FOR EVERY APPLICATION**

SMALL AND COMPACT PACKING
Running TEMPERATURE form -50o to +50o
Best of the market performance in 20 Kw segment
MULTIFUEL CAPABILITY

**ADAPTABLE ENGINES
FOR INDIVIDUAL MILITARY REQUIREMENTS**

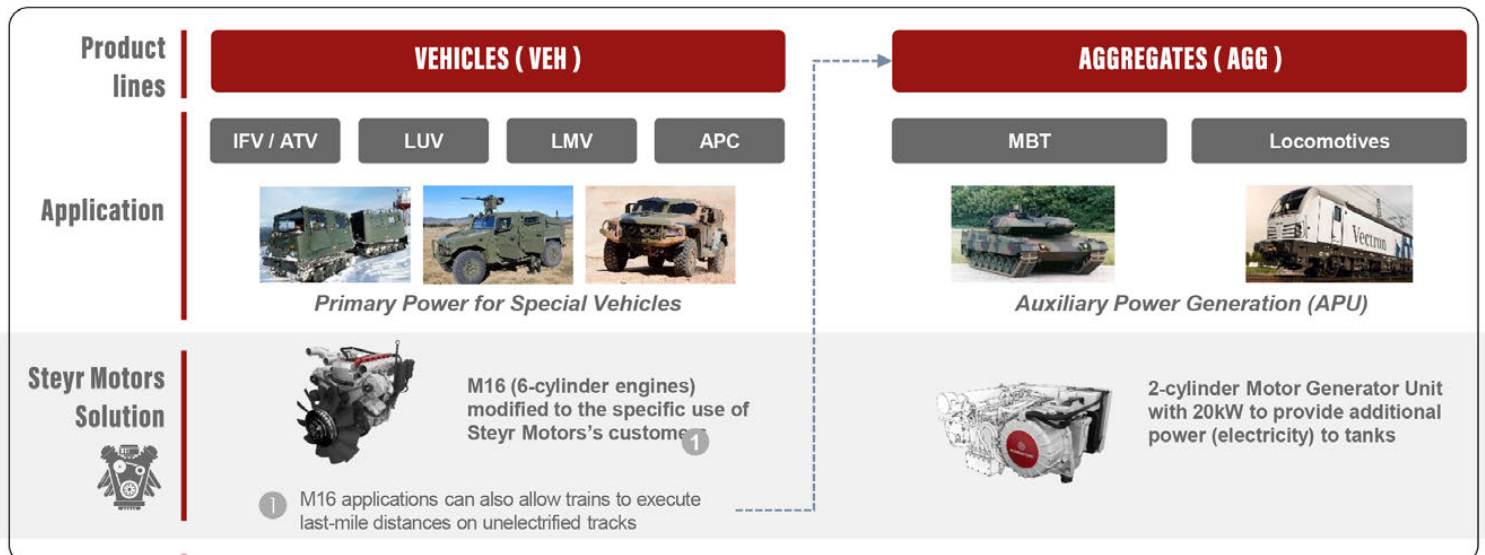
FFS
Fire Fighting Systems

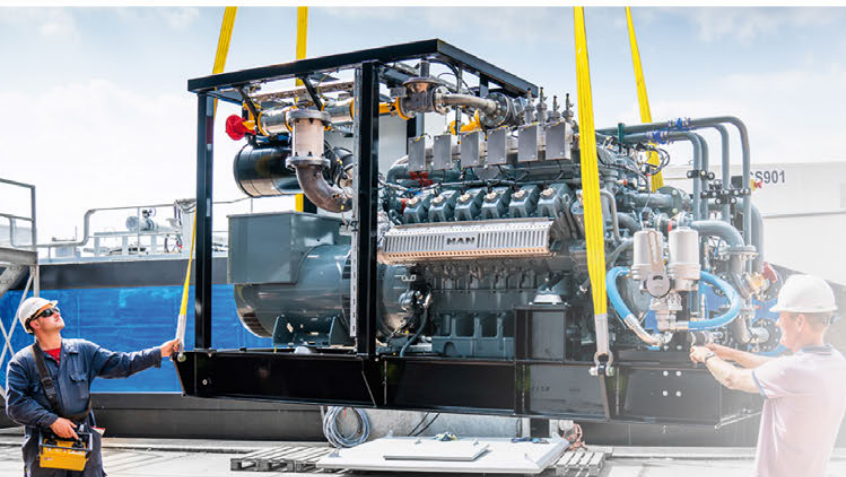


FIRE PUMP DIESEL MOTOR

FFS designs and manufactures diesel engine-driven fire pumps, featuring our unique Bellhousing solution that seamlessly connects the fire pump to the diesel engine.

SFP 100x150 D3/Steyr
Flow : 5.000 LPM, 1320 GPM, 300 m3/h
Pressure : 10 bar

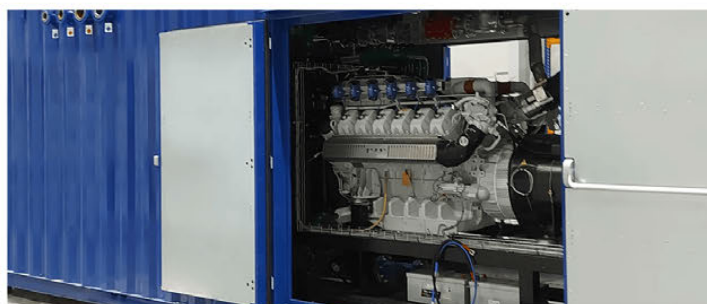




MAN DIESEL ENGINES FOR POWER GENERATION

MAN Engines offers reliable diesel engines for :

- Emergency Standby Power (ESP)
- Limited Time Running Power (LTP)
- Prime Power (PRP)
- Continuous Power (COP)



Dependable diesel engines for emergency power supply during power outages.

6-CYLINDER DIESEL ENGINE WITH LONG SERVICE LIFE AND LOW OPERATING COSTS

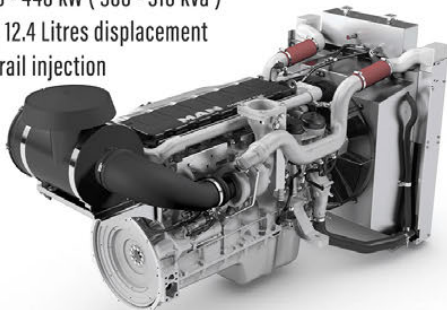
POWER : Rated power 270 - 440 kW (300 - 510 kVa)

CYLINDERS : 6 Cylinders, 12.4 Litres displacement

FUEL SYSTEM : Common-rail injection

MODEL : in-line

DRY WEIGHT : 1.165 kg



MAN D2676

Engine Version LE 22X

12-CYLINDER DIESEL ENGINE IS AN EFFICIENT POWER PACK

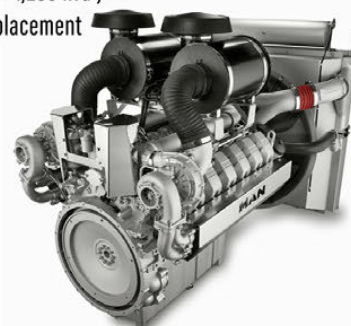
POWER : Rated power 560 - 1,117 kW (630 - 1,250 kVa)

CYLINDERS : 12 Cylinders, 24.2 Litres displacement

FUEL SYSTEM : Common-rail injection

MODEL : V 90°

DRY WEIGHT : 2.240 kg



MAN D2862

Engine Version LE 22X

MARINE MAN DIESEL ENGINES AS AUXILIARY ENGINE

AUXILIARY GENSETS

CHARACTERISTICS :

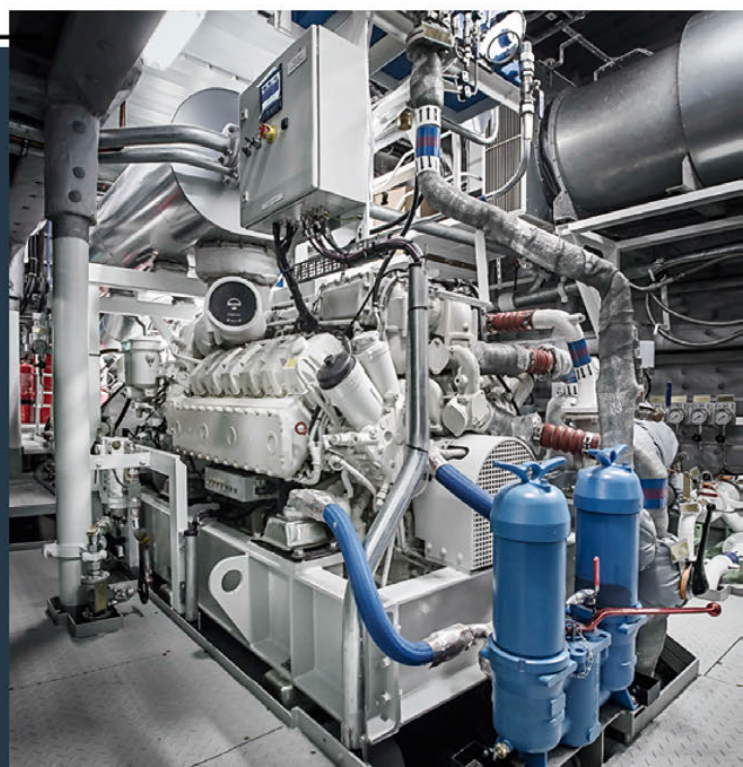
- Annual operating hours: \leq 5,500 h
- Average load application : \leq 75 %

EMERGENCY GENSETS

CHARACTERISTICS :

- Annual operating hours: \leq 1,000 h
- Average load application : unlimited

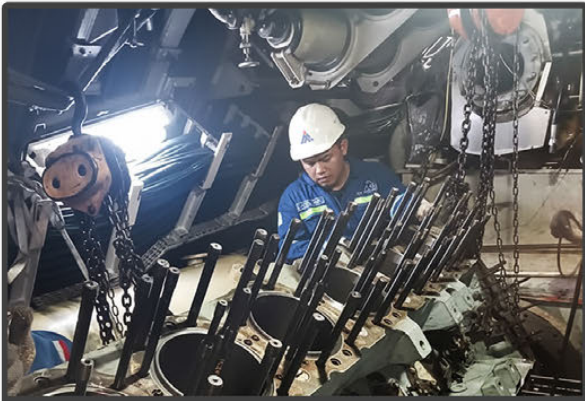
MAN Engines offers powerful and compact diesel and gas engines with 6 and 12 cylinders for use as auxiliary engines.



PROJECT EXPERIENCE

MAINTENANCE

REPAIR & OVERHAUL



Overhauling on Submarine diesel generator

KRI Cakra - 401

OVERHAUL

Power	446kW @1500rpm
Engine Type	MTU 12V493 AZ80
Injection System	Conventional



Indonesian Navy Submarine KRI cakra - 401

REPOWERING

"Parchim Class" KRI Hasan Basri

REPOWERED TO

Power	2720kW @2100rpm
Engine Type	MTU 16V4000 M90
Injection System	Common Rail



Indonesian Navy "Parchim Class" KRI Hasan Basri



Indonesian Navy FPB 57

KRI Layang FPB 57

REPOWERED TO

Power	3925kW @1750rpm
Engine Type	MTU 16V595 TE
Injection System	Common Rail

Locomotive Engine

REPOWERED TO

Power	1380kW @1500rpm
Engine Type	MTU 12V4000 R41R
Injection System	Common Rail



Indonesian Railway Company

NEW BUILD AND COMMISSIONING

Indonesian Navy



Fast Missile Boat 60M Class

Sampari Class (KCR-60)

MTU 4000 Series

KRI Sampari

KRI Tombak

KRI Halasan

KRI Kerambit

Indonesian Navy



Corvette Frigate Class

KRI Malahayati

Repowering & Commissioning

Power 2880kW @2050rpm

Engine Type 4x MTU 16V4000M73L

Injection System Common Rail

Repowering CODAD Propulsion System

3 X FIBRE VESSEL 30M

POWERED WITH MTU 3 X 8V2000M72

BLUE LINE Automation System



Indonesian SAR Vessel

BC 38M



POWERED WITH MTU 16V4000M90

BLUE VISION Automation System

Indonesian Customs

THE EQUIPMENT PROVEN APPROPRIATE FOR THE MARINE INDUSTRY

Application References

MAN MARINE ENGINE FOR MEDIUM DUTY



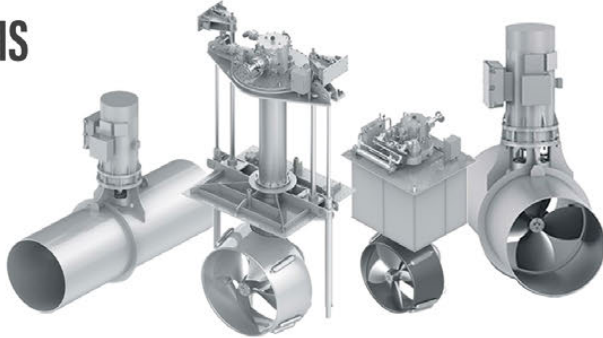
KAL Tedung
Engine Type : MAN D2842 LE410

ZF GEARBOX



KNP. 378 Class III 28M
Gearbox Type : ZF 3000

ZF THRUSTER SYSTEMS



Kapal BRS (Hospital Ship)
Thruster Type : ZF TT 5000 CP

GENERATOR SETS



KRI Spica 934
Generator Type : Caterpillar C9

OUR SALES ENGINE PRODUCTS



ANGLO BELGIAN CORPORATION

We power your future

MARINE ENGINE
POWER & PROPULSION SOLUTIONS



6 / 8 DL36
(3900 - 5200 kW)

6 / 8 DZC
(600 - 2000 kW)

12 / 16 (V) DZC
(2000 - 4000 kW)



STEYRMOTORS



SE 6-CYLINDER
MARINE ENGINES



M16 SCI, 200 kW
VEHICLE ENGINES

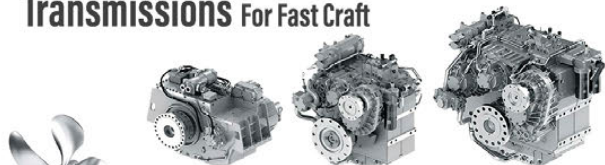


POWER GENERATION
FOR EVERY APPLICATION



Products for Marine Propulsion Systems

Transmissions For Fast Craft



Fixed Pitch
Propeller

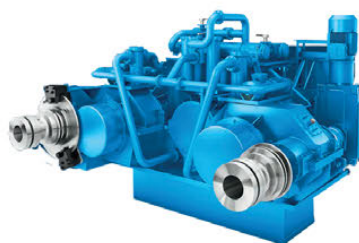
Thrusters

Transmissions
For Commercial Craft



FFS
Fire Fighting Systems
FIRE PUMP DIESEL MOTOR

FLENDER



NAVILUS
MARINE
GEAR UNITS

CATERPILLAR®

GENERATOR SETS



MAN 175D



MAN DIESEL ENGINES
FOR POWER GENERATION



MAN D2862
Engine Version LE 22X

Perkins®



Perkins
Electric Power
Generation



Cummins
Generators



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