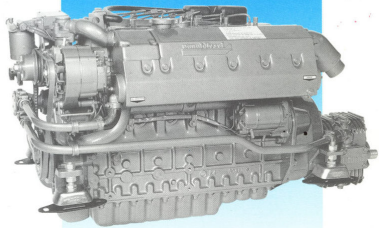
MARINE DIESEL ENGINES

6.280 HE

44,2 KW (60 HP)

S 2800 - B



NANNI DIESEL 6.280 HE, is a 6 cylinder in line 2800 cc based on KUBOTA. Economical, powerful. Equally suited for pleasure and professional applications. Read the following characteristics: you will notice the differences!

NANNI DIESEL "MAKES EASY INSTALLATION"
The engine is supplied complete, ready to be installed in any type of boat.
All service points are accessible from the front of the engine making checks and maintenance simple.

NANNI DIESEL "THE HEAT EXCHANGER"
All our engines are equipped with a heatexchanger which guarantees optimal working temperature, good combustion and long life.
The heat exchanger can also supply heat to a calorifer and heating system.

NANNI DIESEL "INDIRECT INJECTION"
The pre-combustion chamber, and the glow plugs, guarantee quick starts. Compared with other small engines, ours deliver the power quickly which greatly helps in maneouvring.

NANNI DIESEL "THE DIPLOMAT"
Keeping all benefits from top research and development by KUBOTA, our engines are leaders of the antipollution field. Low noise level, low vibrations, low exhaust emission, quiet and smooth we know how to make them quiet and unobtrusive.

NANNI DIESEL "THE SERVICE"
As official marinizer of KUBOTA, we give service all over the world. Our dealer network extends to more than 30 countries and through our 450 service points we offer maintenance, spare parts and documentation.

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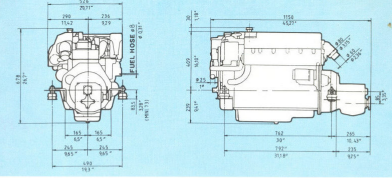
MARINE PROPULSION



TECHNICAL SPECIFICATIONS

ENGINE TYPE	6.280 HE
BASIS	KUBOTA
FUEL	DIESEL
INJECTION	INDIRECT
PRINCIPLE	VERTICAL - 4 STROKE
COOLING	HEAT EXCHANGER
DISPLACEMENT	2791 CC (170,3 CU.INCH)
BORE / STROKE	85 X 82
COMPRESSION RATIO	21 / 1
NUMBER OF CYLINDERS	6 IN LINE
WEIGHT (INCL. GEARBOX)	285 KG
MAX POWER	44,2 KW (60 HP)
RPM AT MAX OUTPUT	2.600
GEARBOX EFFICIENCY	APPROX 95 %
ALTERNATOR	55 A 14 V
STARTER MOTOR	1,4 KW 12 V
REDUCTION GEARBOX	HBW 250
DIAMETER NOMINAL	
EXHAUST	60 MM (2,36")
FUEL PIPE	8 MM (0,31")
SEAWATER INTAKE	30 MM (1,18")
INSTALLATION ANGLE	15°
HEELING ANGLE	
CONTINUOUS	20°
INTERMITTENT	30°

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

DISTRIBUTED BY :

STANDARD EQUIPMENT

- Heat exchanger
- Fresh water pump
- Thermostat
- Sea water pump
- Fresh water cooled exhaust manifold
- Exhaust elbow with water injection
- In line injection pump
- Fuel feed pump
- Fuel filter
- Oil filter
- Oil drain pump
- Electric system 12 V
- Electric stop
- REMOTE INSTRUMENT PANEL B :
  - oil pressure pilot light and acoustical alarm
  - water temperature pilot light and acoustical alarm
  - alternator pilot light
  - glow plug pilot light
  - start key
  - stop push botton
  - voltmeter
  - tachometer
  - water temperature gouge
- 4 mt intermediate wiring
- Gearbox
- Control cables mounting points
- Flex mount
- Set of tools
- Operator's manual
- Warranty certificate

ACCESSORIES

- Bilge pump
- Two-pole electric system
- PTO pulley
- Coupling
- Silencer
- Propeller
- Exhaust system
- Remote control
- Remote cables
- Sea water hoses
- Fuel hoses
- Sea water filter

The standard instrument panel can be replaced by the instrument panel C, same functions as B with :
- Oil pression gouge
- Hour counter

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HEADQUARTER
NANNIDIESEL ITALIA S.P.A. Troverso dei Grilio
KM. 0,600 00060 CASTELNUOVO
DI PORTO - ROME - ITALY
TEL. NR. : (39)06 9073393 - 9073396
(39)6 9073417 - 9073418
FAX. NR. : (39)06 9073153

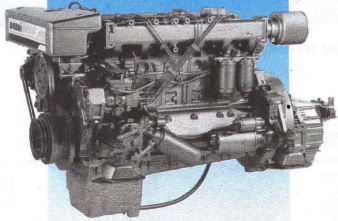
PRODUCTION AND TECHNICAL OFFICE
NANNI INDUSTRIES S.A.
Zone Industrielle - Avenue Maurice - B.P. 107
33260 LA TESTE - FRANCE
TEL. NR. : (00.33) 56 54 13 59
FAX. NR. : (00.33) 56 54 17 51

NANNI DIESEL S/R/L/A

MARINE DIESEL ENGINES

6.660 E

110 KW (150 HP)



NANNI DIESEL 6.660 E, a 6 cylindar in-line engine displacing 6.6 L. Based on MAN. Naturally aspirated. Powerful, compact, economical and quiet.

CONSTRUCTION

Cast crankcase with interchangeable dry liners - 7 bearing crankshaft with forged counter-weights and conrods - 3-ring pistons cooled with internally injected oil.

CYLINDER HEAD AND VALVE TRAIN

Three twin-cylinder heads with inlet and exhaust valves, and re-inforced valve seats. Forged camshaft with hardened cams and bearing surfaces.

LUBRICATION

Pressurized system with geared oil pump - Replaceable oil filter - Oil cooler in heat exchanger.

FUEL SYSTEM

Direct injection using a BOSCH injection pump with mechanical governor - Electric stop - Fuel lift pump - Two in-line fuel filters for ease of maintenance.

COOLING

Thermostatically controlled fresh-water engine cooling with heat exchanger - Optional hot water take-off for boiler or heater.

GEARBOX

Hydraulic gearbox driven through a VULKAN damper plate, including oil cooler.

APPLICATIONS

The 6.660 E is the latest technology, complete and ready to install in single or twin installations, for pleasure or commercial craft.

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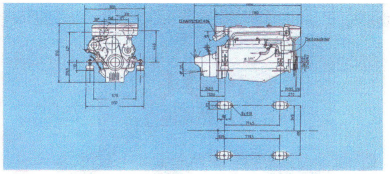
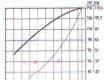
MARINE PROPULSION



TECHNICAL SPECIFICATIONS

ENGINE TYPE	6.660 E
BASIS	MAN D0826 E
FUEL	DIESEL
INJECTION	DIRECT
PRINCIPLE	VERTICAL - 4 STROKE
COOLING	HEAT EXCHANGER
DISPLACEMENT	6,87 LI (419,2 CI)
BORE / STROKE	108 X 125
COMPRESSION RATIO	17/1
NUMBER OF CYLINDERS	6 IN LINE
AIR INTAKE	NATURALLY ASPIRATED
WEIGHT (INCL. GEARBOX)	620 KG
MAX POWER	110 KW (150 HP)
RPM AT MAX OUTPUT	2700
ALTERNATOR	55 A 28 V
STARTER MOTOR	4 KW 24 V
FLYWHEEL HOUSING	SAE 3
FLYWHEEL ROTATION	
VIEW FROM STERN	ANTICLOCKWISE
GEARBOX	HYDRAULIC
DIAMETER NOMINAL	
EXHAUST	84 MM
FUEL PIPE	10 MM
SEAWATER INTAKE	32 MM
INSTALLATION ANGLE	15°

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. THESE SPECIFICATIONS ARE FOR PLEASURE APPLICATION ONLY. FOR OTHER USES PLEASE CONSULT US.



STANDARD EQUIPMENT

- Heat exchanger
- Heat exchanger pump
- Thermostat
- Sea water pump
- Fresh water cooled exhaust manifold
- Exhaust elbow with water injection
- Injection pump
- Fuel lift pump
- Fuel filter
- Oil filter
- Oil drain pump
- Electric system 24 V
- Electric stop

- REMOTE INSTRUMENT PANEL C :
  - oil pressure pilot light and acoustical alarm
  - water temperature pilot light and acoustical alarm
  - alternator pilot light
  - key stop
  - start push button
  - tachometer
  - voltmeter
  - water temperature gauge
  - oil pressure gauge
  - hour counter
- 4 M intermediate wiring
- Hydraulic gearbox
- Control cables mounting points
- Flex mount
- Set of tools
- Operator's manual
- Warranty certificate

ACCESSORIES

- Instrument panel for flying bridge
- PTD pulley
- Coupling
- Shoftline
- Propeller
- Remote control
- Remote cables
- Sea water hoses
- Fuel hoses
- Sea water filter

DISTRIBUTED BY :

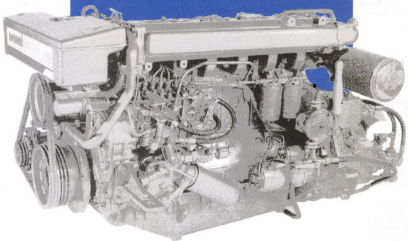
NANNI INDUSTRIES S.A.
Zone Industrielle - Avenue Maricelle - B.P. 107 - 33260 LA TESTE - FRANCE
TEL. NR.: (33) (0)5 56 22 30 60 - FAX. NR.: (33) (0)5 56 22 30 79

NANNI DIESEL MARINE

MARINE DIESEL ENGINES

6.660 LE

176 KW (240 HP)



NANNI DİZEL 6.660 LE, 6 silindirli sıra motoru, toplam silindir hacmi 6.6 litre, turboşarj, interkuler soğutmalı. MAN motorundan marinize edilmiş güçlü, kompakt, ekonomik ve sessiz.

MOTOR DİZAYNI
Değişebilir kuru tip gömlekli motor bloğu, 7 adet yataklı krank şaft, 3 segmanlı yağ soğutmalı pistonlar.

SİLİNDİR KAPAKLARI VE VALFLARI
3 adet çiftli silindir kapağı, emme ve egzos valfları, sertleştirilmiş kam ve yatak yüzeyleri.

YAĞLAMA
Dişli yağ pompası, basınçlı yağlama, değişebilir yağ filitresi, su soğutmalı yağ soğutucusu.

YAKIT SİSTEMİ
BOSCH pompalı direkt püskürtme sistemi, mekanik governörlü, elektrikli otomatik stop, yakıt pompası. Bakımı kolay, çiftli yakıt filitresi.

SOĞUTMA
Termostat kontrollü, tatlı su dahili motor soğutmalı ve deniz suyu soğutma sistemi, sıcak su alabilme imkanı.

ŞANZUMAN
Hidrolik şanzuman, yağ soğutuculu, motor şanzuman arasında elastik kaplin.

KULLANIM ALANI
MAN firmasının en son teknolojisine sahip motorlar tek veya çift monte edilerek motoryat ve gezi teknelerinde özel veya ticari amaçlı olarak kullanmaya müsaitlerdir.

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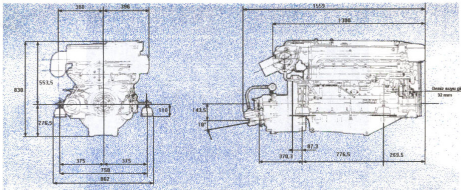
MARINE PROPULSION



TEKNİK ÖZELLİKLER

MOTOR TİPİ	MAN D 0826 LE
MARİNİZE TİPİ	NANNİ 6.660 LE
GÜCÜ	240 HP
DEVRİ	max. 2.400 devir/dak.
PİSTON ÇAPI	108 mm
STROK	120 mm
SIKIŞTIRMA	17/1
SİLİNDİR SAYISI	6 düz
DİNAMO	35A 28V
MARJ MOTORU	4KW 24V
VOLANT ÖLÇÜSÜ	SAE 2
MOTOR DÖNÜŞ YÖNÜ	sol
EGZOS BORU ÇAPI	130 mm
YAKIT BORUSU	8 mm
DENİZ SUYU GİRİŞİ	32 mm
EĞİK BAĞLANABİLME	15°

STANDART EKİPMAN

- Deniz suyu soğutma sistemi
- Tatlı su pompası
- Termostat
- Deniz suyu pompası
- Su soğutmalı egzos manifoldu
- Su püskürtmeli egzos çıkış dirseği
- Su soğutmalı turboşarj ve interkuler
- Sıra tipi püskürtme pompası
- Yakıt pompası
- Yakıt ve yağ filitresi
- Yağ boşaltma el pompası
- Otomatik stop sistemi
- 24V elektrik sistemi
- Gösterge tablosu
  - Yağ basınç
  - su hararet
  - devir ve çalışma göstergeleri
  - açma kapama butonu ve anahtarı
  - voltaj göstergesi
- Sesli ve ışıklı alarm sistemi
- Elastik bağlantı ayakları
- Gaz kolu ve telleri
- SEPAR su ayırıcı filitre
- İşletme ve yedek parça kataloğu
- Takım çantası

MAN Truck & Bus Turkey

MAN KAMYON VE OTOBÜS TİCARET LTD. ŞTİ.
Depo ve Ardiyeciler Sitesi, Ada No. 104
Keresteciler Sitesi Yanı, Yan Yol
34670 İkitelli - İSTANBUL
Tel.:(0.542) 213 47 48
Fax.:(0.212) 591 34 12

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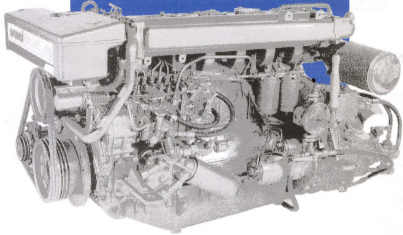
MARINE DIESEL ENGINES

6.660 LE

228 KW (310 HP)



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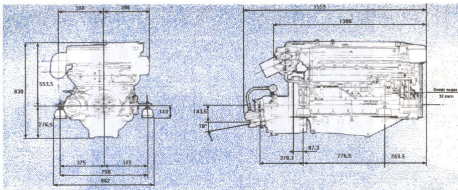

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