



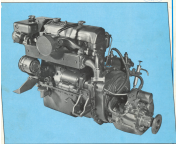
Tempest

Diesels Limited

4/80

4.15 LITRE DIESEL ENGINE
72bhp at 2500 rev/min cont.

Eng. Motor Type 41500
Sunder. 25 Litre Capacity
4.15 Litre
Bore/Stroke 86/96 mm
No. 100000-000000



Tempest Diesels Limited

FOUNDRY ROAD, STAMFORD, Lincs ST9 4BB

Telex 32000

Circle Tempest, Stamford, Lincs.

Tempest 4.15 Litre 4/90 Marine Diesel Engine

STANDARD SPECIFICATION

- Arranged for freshwater cooling by heat exchanger and fitted with:
- PERMANENT Drive Water PUMP hydraulic forward and reverse gears, direct drive, 2:1 or 3:1 reductions, complete with oil seals and breather pipes.
- Emergency lock up device fitted as standard on PER.
- 40 amp 'emergency' 1142 alternator, insulated output, positive or negative earth, C/w RTS control and 6RA relay.
- Full service and spare parts facilities.
- Operators manual.
- 12 month warranty.
- Engine bench tested and test system installed.
- Water injection bond.
- Sump drain pump fitted.
- 10000 rev/half coupling.

Four 2712 four Cylinder

PERFORMANCE DETAILS



OPTIONAL EQUIPMENT

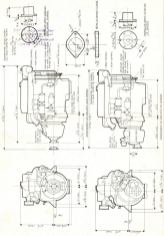
- Flexible mountings and flexible coupling fitted.
- Instrument panel c/w 120 ampere 100.8/100 electric CPG and WTC (welder units fitted to engine) starter switch and keys, electrical schematics.
- Extra standard groove pulley on crankshaft. Pulley suitable for dynamic or small large pump application.

CONTINUOUS

As indicated for continuous running under maximum conditions, subject to a 10% safety margin when using any optional equipment.

INTERMITTENT

Recommended for further details see Technical Data. Before using selected accessories, bearings and parts from other manufacturers and accessories manufacturers should be made good where groups, components or other parts are being used.





Tempest

Diesels Limited

Factory Road, Buntingford, Cambridgeshire, CB9 9JQ England. Tel: 01850 44007. Telex: 5222. Fax: 01850 44024. A Tempest/Banquet Group

POWER ON LAND AND SEA

MARINE PROPULSION ENGINES



4/85

4.1 LITRE DIESEL ENGINE
77 BHP at 2500 RPM CONT.



Tempest 4.1 Litre 4/85 Marine Diesel Engine

SPECIFICATION

TYPE	Four cylinder, inline, naturally aspirated, overhead valve, direct injection diesel engine.
SIZE	67 litre swept volume (2100cc. cu.) 1050mm bore 113mm stroke
COMPRESSION RATIO	16.1:1
FIRING ORDER	1 - 2 - 4 - 3
COOLING SYSTEM	Fresh water cooling by means of a heat exchanger, water cooled exhaust manifold, positive drive sea water pump, circulating pump and a water injected exhaust filter.
FUEL SYSTEM	Inline fuel injection pump with fuel lift pump and twin level replaceable element fuel filter, induction to sea through type air filter.
LUBRICATION	Pressure fed by camshaft driven pump with oiler, spin on type filter and mounted oil drain pump.
METHOD OF STARTING	12 Volt electric engagement starter motor, electric fuel starting aid.
ELECTRICS	12 Volt marine type charging alternator with integral regulator.
TRANSMISSION	PTM or Borg Warner hydraulic forecast and reverse gearbox with a choice of reduction, complete with oil cooler and propeller shaft and coupling.
MOUNTING	Stab type

PERFORMANCE DATA



INSTALLATION DATA





Tempest

Diesel Limited

341 Ford
 2000 kg
 2000
 2000
 2000

MAR 09 2015 6
 0857L

100001

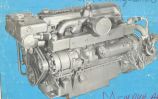
6/120

2713 E
 100001
 100001
 100001

6.2 LITRE DIESEL ENGINE
108bhp at 2500rev/min cont.

price 27135

2-8 ft. K...
 2000 - 2000
 2000 - 2000



MEMORANDUM
 OK GUNUSA 000 36/

Tempest Diesel Limited

tel 01527 25
 2525 25 ex 55100

FOUNDRY ROAD, STAMFORD, Lincs LN9 4BT TEL: 01527

in ATTENTION

Tempest 6.2 Litre 6/120 Marine Diesel Engine

STANDARD SPECIFICATION

- Arranged for fresh water cooling by heat exchanger and fitted with:
- P/M 12/16 or Borg Warner P/OB hydraulic forward and reverse gears direct drive, 2:1 or 3:1 reduction, complete with oil cooler and flexible pipes.
- Emergency lock-up device fitted as standard on P/M gearbox.
- Heavy "sea-worthy" 11 AC alternator, insulated stator, positive or negative earth. C/w ITR control and 50A relay.
- Full service and spare parts facilities.
- Operators manual.
- 12 months warranty.
- Engine bench tested and fuel system inhibited.
- Pump drain pump fitted.
- Pilot lashed half coupling.

Ford 2715 E diesel

PERFORMANCE DETAILS



1000 1200 1400 1600 1800 2000

OPTIONAL EQUIPMENT

1000 1200 1400 1600 1800 2000

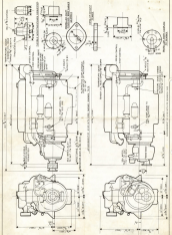
- Flexible mountings and flexible coupling fitted.
- Instrument panel c/w 100 ampere (24-2-60) electric CPG and WTC (welder units fitted to engine) starter solenoid and keys, electrical lock-down.
- Fits standard gear oil pulley on crankshaft. Pulley suitable for dynamic or small luge pump operation.
- 24 volt electric.

CONTINUOUS

Recommended for continuous running under constant and variable conditions. Suitable for high loading vessels and lower pump speeds.

INTERMITTENT

Recommended for variable speeds with an 80% duty cycle. Also, when designed, approved, installed and operated under strict conditions for maximum resistance to wear or when used for other purposes, always consult the manufacturer's operating manual.





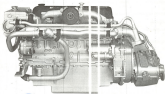
Tempest

Diesels Limited

Hardy Road, Northfleet, Kent, DA15 0JQ England. Tel: 01893 64001 Fax: 01893 64002 Telex: 2555 64001 J Tempest Northfleet, Kent

POWER ON LAND AND SEA

MARINE PROPULSION ENGINES



6/1215

6.2 LITRE DIESEL ENGINE
113 BHP at 2500 RPM CONT.



Tempest 6.2 Litre 6/12 Marine Diesel Engine

SPECIFICATION

TYPE	Six cylinder inline, naturally aspirated, overhead valve, direct injection diesel engine.
SIZE	6000mm peak shaft length 2000mm x 1100mm deep x 1000mm wide.
COMPRESSION RATIO	16.5:1
FIRING ORDER	1-3-2-4-2-4
COOLING SYSTEM	Fresh water cooling by means of a heat exchanger, water cooled without mixing, and the drive for water pumps, fresh water pump and water separator/air separator.
FUEL SYSTEM	Inline fuel injection pump with 4.4 lit/hr capacity and twin fuel injectable diesel fuel filter, location is on a marine type of filter.
LUBRICATION	Pressure fuel-injected drive pump with side, main and auxiliary and mechanical oil pump.
METHOD OF STARTING	By hot water pump engagement or hot air for slower hot starting aid.
ELECTRICAL	By hot water type charging of main with alternator/generator.
FRANKING/START	WPM or long travel hydraulic pump, incorporate generator with a 2000-2 reduction complete with oil cooler and pre-heat fuel cold starting.
BOILER/HEAT	None type.

PERFORMANCE DATA



ENGINE LAYOUT DATA





Tempest

Diesels Limited

Factory Road, Bamber Bridge, Preston PR5 2BS England • Tel: 01773 851 251 • Telex 33292 • Telex Tempest Bamber Bridge

POWER ON LAND AND SEA

MARINE PROPULSION ENGINES



6/150

5.9 LITRE DIESEL ENGINE
138 BHP at 2400 RPM CONT.



Tempest 6.9 Liter 6/150 Marine Diesel Engine

SPECIFICATION

TYPE	6-cylinder inline, turbocharged, wet sump, direct injection diesel engine.
SIZE	600cc swept volume (C/D), in) 36.9 cu in 1 liter swept
COMPRESSION RATIO	16.5:1
FIRING ORDER	1 - 5 - 3 - 6 - 2 - 4
COOLING SYSTEM	Fresh water cooling by means of: 1) fan, 2) belt-drive, water-cooled exhaust manifold, 3) belt-drive raw-water pump, 4) water pump, 5) raw-water injection exhaust manifold.
FUEL SYSTEM	Direct fuel injection pump with fuel lift pump, top and bottom fuel injection element filter. Electronic in-line diesel fuel air filter.
LUBRICATION	Pressure fed by camshaft driven pump. 10W-30 SAE, 15W-40 SAE and multi-grade oils.
METHOD OF STARTING	12 volt electric engagement start motor. 6. Electric fuel and thermostat starting aid.
ELECTRICS	12 volt marine type charging alternator with regulator.
TRANSMISSION	FRM or Borg Warner hydraulic for gear, oil pump gearbox with choice of reduction gearbox with 1.00:1 and prop. shaft oil sump coupling.
MOUNTING	Bulk type

PERFORMANCE DATA



Sheet 1 of 2

INSTALLATION DATA

