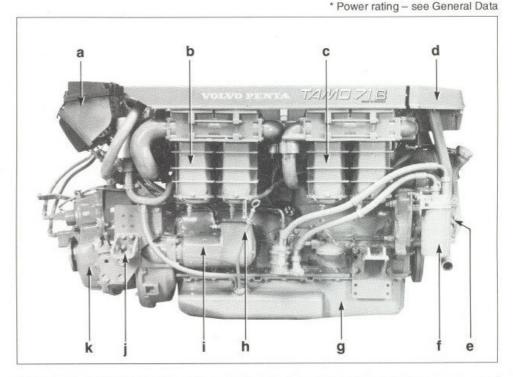
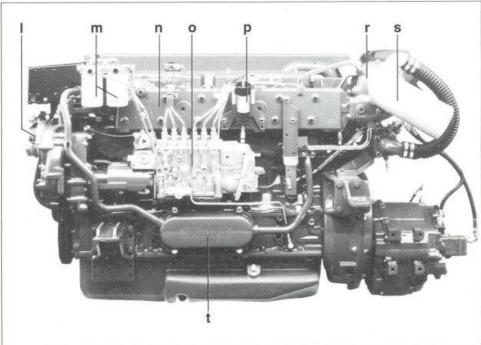
TAMD 71B

Special Light Duty (SLD), Light Duty (LD), Medium Duty (MD), Heavy Duty (HD) 6-cylinder, 4-stroke, direct injected turbo-charged marine diesel engine with after-cooler - crankshaft power* 280 kW (380 hp)

Compact, powerful marine diesel

- A powerful, reliable and economical marine diesel built on the dependable in-line six design.
- Developed for
- -fast planing craft of up to 50 feet
- planing hulls with great demands on speed and acceleration characteristics
- semi-planing workboats in Medium duty operation
- displacement workboats in Heavy duty operation
- Automatic heating of induction air ensures reliable starting at low temperatures.
- · Designed for easiest, fastest and most economical installation.
- Well balanced to produce smooth and vibration-free operation with low noise
- Comprehensive programme of factory fitted equipment for perfect matching to specific customer requirements, e.g. reverse gears, PTO's, cooling systems, electrical systems.
- Freshwater-cooled oil cooler and piston cooling for maintaining of stable temperature in cylinders and combustion chambers.
- · Smoke limiter for reduction of smoke during acceleration and heavy loads.
- · A by-pass valve between turbocharger and aftercooler reduces white fume emission during start and low load operation.
- · Generously sized air exchange and injection system produces optimum fuel-air mixture and contributes to reduced emission levels and reduced fuel comsumption.
- · Simple, thus time and cost saving servicing with gear-driven circulation and seawater pumps and location of the oil filter in front of the engine.
- Well-established network of authorized service in more than 100 countries, providing Genuine Parts and skilled personnel to ensure that you enjoy the best possible service.





The engine shown may vary from the standard unit.

- Air filter, paper type Aftercooler, watercooled
- Heat exchanger
- Thermostat housing
- Sea water pump Front mounted oil filter
- Oil sump
- Oil dipstick
- Starter motor Adjustable rear engine
- mounting
- Reverse gear Extra alternator
- m. Twin fuel filter
- Wet exhaust manifold
- Injection pump Stop solenoid
- Exhaust elbow, dry type
- Oil cooler

General data

Type designation No of cylinders	TAMD 71B
	4-stroke direct-injected
	harged with aftercooler
turbocharg	diesel engine
Fuel grade EN590	1D or 2D
Bore, mm (in)	104.7 (4.12)
Stroke, mm (in)	130 (5.12)
Displacement, litres (in ³)	6.73 (411)
Compression ratio	14:1
Dry weight, kg (lb)	880 (1940)
Crankshaft output, 1)	000 (1040)
at crankshaft speed, r/	min
SLD, kW (hp) (2600 r/min	
LD, kW (hp) (2500 r/min)	
MD, kW (hp) (2500 r/min	
HD, kW (hp) (2000 r/min	
Torque 2)	, , , , , , , , , , , , , , , , , , , ,
SLD, Nm (ft, lb)	1027 (757)
LD, Nm (ft, lb)	1000 (738)
MD, Nm (ft, lb)	821 (606)
HD, Nm (ft, lb)	778 (574)
Spec. fuel consumption 2	2)
SLD, g/kWh (lb/hph)	230 (0.37)
LD, g/kWh (lb/hph)	238 (0.39)
MD, g/kWh (lb/hph)	236 (0.38)
HD, g/kWh (lb/hph)	218 (0.35)
Propeller shaft power kW	장점에 하다 내 내가 가는 그 이 가는 것이 되었다.
at crankshaft speed	

- 1) Technical data according to ISO 3046 Standard Fuel Stop Power. Fuel 40°C (104°F), lower calorific value of 42700 kJ/kg and density of 840 g/litre.
- 2) Torque and specific fuel consumption apply at the specified crankshaft output.

TAMD 71B Power 1 SLD 300 350 250 1 LD 300 250 1 MD 150 200 2 MD Exp 2.7 150 100 100 - 1 HD 50 2 HD Exp 3.0 TAMD 71B Torque 1200 1100 1000 100 900 BOO 700 SLD MD 1 SLD 2 SLD Exp 2.5 1 LĐ 40 2 MD Exp 2.7 1 HD

Basic engine equipment

Flywheel housing, flange size SAE 2 Engine brackets Freshwater cooled turbocharger and exhaust manifold Seawater cooled aftercooler

Air cleaner, paper type Fuel injection pump with centrifugal regulator and smoke limiter

Feed pump and double fine fuel filters Oil and fuel filters of spin-on type

Fresh water cooled oil cooler Starter motor 24 V

Oil separating filter for crankcase ventilation Pump coupling cover

Two-pole electrical system, 24 V

Alternator 24 V/60 A Stop solenoid, 24 V

Pre-heater element, incl relay

Oil pressure and coolant temperature senders

Alarm switches for oil pressure and coolant temperature

Electrical terminal box with semi-automatic fuses

Flywheel

Attachment for control cable, type 333 or

Engine frame

Technical description

- Engine block and cylinder heads are made of cast iron alloy.
- Two cylinder heads. A flame barrier protects the cylinder head gasket.
- Replaceable cylinder liners and valve seatings.

- Nitrocarbonized crankshaft with seven bearings
- Oil-cooled, forged aluminium pistons.
- Three piston rings the upper of which is of the keystone type.
- · Identical matrix for heat exchanger and aftercooler make them fully interchangeable
- Induction air heater for reliable low temperature starting.

Fuel system

- Injection pump with centrifugal governor and smoke limiter
- Fuel feed pump
- High pressure fuel lines
- Twin fine fuel filters

Cooling system

- · Seawater-cooled charge air cooler
- · Gear-driven freshwater pump and front mounted sea water pump with neoprene impeller.

Lubrication system

- · Fresh water cooled oil cooler
- · Frontmounted oil filter of spin-on type

Turbo-charger

- Freshwater cooled turbo-charger
- · By-pass valve between the turbocharger and aftercooler - less white smoke on starting and low load operation.

Electrical system

- 12 or 24 V electrical system incl alternator, 60 or 40 A respectively, and charging sensor.
- Rubber suspended electrical terminal box with automatic fuses.

Standard reverse gear alternative:

MG 507A-1

