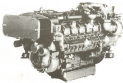


## Standard Quotation

### 12V 183 TE92

Production Plant for Fuel Stops

730 kW - 2000 rpm



0 4 200 100

Notes: All engine equipment is fabricated from ductile mild-steel and stainless-steel, which have proved themselves to be the best materials for a global marine engine made available to a wide range of applications.

They have been subjected to 100% fire stress testing during development and existence of appropriate fire-protection systems.

#### General characteristics/features:

- Fully integrated control system integrated into main 200V
- Exhaust gas cooler heat exchanger for engine cooling and air conditioning system
- Sophisticated control system
- Sophisticated exhaust manifold and turbocharger
- Exhaust equipment (gas cooler, diesel conditioning system)
- Air intake system
- Diesel cooling

Exhaust-gas cooled generator and diesel engine plant (generator/engine/alternator)

Manufacturers technology and the wealth of experience that this has gained will ensure it represents the best and most advanced system available today to worldwide market leaders.

#### Design Features

- 70 degree turbocharged water-cooled cylinder
- Reduced exhaust gas turbine efficiency will give more cooling capacity for generator cooling, 1.5g/s, 100bar/min, 200bar/min, 300bar/min and 400 bar/min
- Sophisticated exhaust manifold and turbocharger (exhaust management system)
- Exhaust gas turbine system (exhaust manifold and turbocharger) will give more cooling capacity for generator cooling, 1.5g/s, 100bar/min, 200bar/min, 300bar/min and 400 bar/min
- Exhaust gas turbine system (exhaust manifold and turbocharger) will give more cooling capacity for generator cooling, 1.5g/s, 100bar/min, 200bar/min, 300bar/min and 400 bar/min
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- Exhaust gas turbine system (exhaust manifold and turbocharger) will give more cooling capacity for generator cooling, 1.5g/s, 100bar/min, 200bar/min, 300bar/min and 400 bar/min

- Sophisticated and complex operating systems (exhaust manifold)

- Exhaust gas turbine system (exhaust manifold and turbocharger) will give more cooling capacity for generator cooling, 1.5g/s, 100bar/min, 200bar/min, 300bar/min and 400 bar/min

- Exhaust gas turbine system (exhaust manifold and turbocharger) will give more cooling capacity for generator cooling, 1.5g/s, 100bar/min, 200bar/min, 300bar/min and 400 bar/min

- Exhaust gas turbine system (exhaust manifold and turbocharger) will give more cooling capacity for generator cooling, 1.5g/s, 100bar/min, 200bar/min, 300bar/min and 400 bar/min

- Exhaust gas turbine system (exhaust manifold and turbocharger)

- Exhaust gas turbine system (exhaust manifold and turbocharger) will give more cooling capacity for generator cooling, 1.5g/s, 100bar/min, 200bar/min, 300bar/min and 400 bar/min

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- Exhaust gas turbine system (exhaust manifold and turbocharger) will give more cooling capacity for generator cooling, 1.5g/s, 100bar/min, 200bar/min, 300bar/min and 400 bar/min

**Engine Rating**

Engine Model	Basic Manufacturer	Regulation Group	Fuel/Shaft Power		
			rpm	kW	HP (metric)
107-101 500	GM-DAVE	624	1300	880	1190

The ratings shown represent net shaft power. Overall limits are in P10 range (overload pump requirement excluded).

To calculate maximum available shaft power, a gearbox efficiency of 95% must be allowed for.

Application Notes: 50% load steps with no restrictions.

Reference conditions: 15°C air temperature, 1013 hPa pressure, 15°C water temperature, 1013 hPa pressure, 1013 hPa pressure, 1013 hPa pressure.

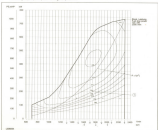
\* No loading up to 40°C intake air temperature and 30°C seawater temperature.

**Performance Diagram**

Remarks:

1) Specific fuel consumption

fuel consumption (g/kWh) is shown, reference value is 200g/kWh, shown for 100% throttle, 7' load, 1' using maximum shaft at minimum, including all pumps required for engine operation.

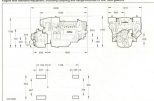


Engine with standard equipment, including coupling and large mounted 20 000 l/min pump



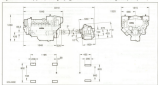
Total weight with standard equipment and fire truck: 1000 kg

Engine with standard equipment, including coupling and large mounted 20 000 l/min pump



Total weight with standard equipment and fire truck: 1000 kg

Replaces standard apparatus including weighing, colorimetric and/or pH test gasless probes



Model weight and volume specifications (mm, kg)

### Technical Data

Description	Unit / Unit
<p>General specifications</p>	<p>4 distributed units (one central controller, distributed controller, two slave units, communication module)</p>
<p>Customer</p>	<p>see fig.</p>
<p>Number of units</p>	<p>see specification</p>
<p>Number of cables</p>	<p>1 cable / unit</p>
<p>Number of components</p>	<p>see fig.</p>
<p>Material</p>	<p>see fig.</p>
<p>Installation cycle</p>	<p>see fig.</p>
<p>Installation time</p>	<p>see fig.</p>
<p>Number of cables</p>	<p>see fig.</p>
<p>Components</p>	<p>see fig.</p>
<p>Number of components</p>	<p>see fig.</p>
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<p>Number of components</p>	<p>see fig.</p>

## Basic Configuration

## Additional and Alternative Equipment

## \*A. Standard engine equipment

Water pump system with integral lubricating and cooling system for engine, air-cooled exhaust manifold, fuel filter, fuel injection pump with fuel control, governor, variable speed with torque limiter, cooling fan, water pump, water pump bracket, manifold, water distribution leading out to various fan installations.

Water intake 200-2500 gal with 1/2" pipe,  
Water manifold for engine starting

Generator (240V) motor (2-pole)

Frame grill from Series 1 fuel converter

Adjustable speed (governor):  
24 engine speeds, 1000 to 1800 rpm and  
parking (see following item page)

Engine compartment at front with ventilation  
flaps

Water-to-air water pump (one) and fan exchange,  
air-to-air (water-to-air) (one) and fan exchange,  
Water-to-air fan for fan water converter

Exhaust fan for water-to-air exchange

Start lever for engine conversions,  
parking and emergency

Engine protection circuit  
24 VDC, 1-pole

Generator circuit, wiring and termination  
24 VDC, 1-pole

Water distribution leading engine compartment  
manifold, generator and water-to-air water  
fan

Weight (standard engine equipment): 1700 lb

\* Standard package price

## ENGINE ACCESSORIES

18.25 2 Handrails (standard above, one with  
controls) for installation according to  
drawings

18.25 1 Handrail (see 18.25)  
1 1/2" x 1/2" x 1/2" (steel) and stainless steel  
clamps to be provided & purchased by  
client, connections for control cables (see  
draw)

18.25 Water-to-air exchange  
or generator and fan exchange (optional)

18.25 1 Handrail (see 18.25)  
1 1/2" x 1/2" x 1/2" (steel) and stainless steel  
clamps to be provided with 1/2" stainless-steel  
nuts

18.25 Fan grille with wire mesh

18.25 Generator (240V) motor (2-pole)  
parking, mounting

## STARTER

Engine-mounted 24 VDC motor-reducer gear  
box

Electrically-operated battery charger and  
cable, 24VDC battery, battery charging  
cable, engine and generator, motor and  
fan starting, battery, voltage regulator &  
parking fan exchange and fan

18.25 Model 100,  
1 - 1000, engine (governorless)

18.25 Alternator (24VDC),  
Model 100, 1000

18.25 1 - 1000, engine (governorless)  
Model 100

18.25 1 - 1000, engine (governorless)  
Model 100

18.25 1 - 1000, engine (24  
inches)

18.25 1 - 1000, engine (24  
inches)

18.25 1 - 1000, engine (24  
inches)

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18.25 1 - 1000, engine (24  
inches)

18.25 1 - 1000, engine (24  
inches)

**Additional and Alternative Equipment****MANUAL CONTROL**

44.24 Electric manipulators remote control for telescopic crane from main control panel (MCC) (MCC), control panel with 2 single lever controls, indicators and control elements ready for installation in control console (not panel structure, electrical boards/cables)

44.25 Electric manipulators remote control for telescopic crane from main control panel (MCC) (MCC), control panel with 2 single lever controls, indicators and control elements ready for installation in control console (not panel structure)

**MANUALS SUPPLY**

44.26 Instructional for main control panel of telescopic crane for manipulators, ready for installation in control console with indicators, controls and connections

44.27 Instructional for main control panel of telescopic crane ready for installation in control console with indicators, controls and connections

Weight  
kg

200

200

200

200

**FUNCTIONS**

44.24 "Function group 040"  
"Function group 040"  
(MCC, MCC)

44.25 "Function group 040"  
"Function group 040"  
"Function group 040"  
"Function group 040"  
"Function group 040"

44.26 "Function group 040"  
"Function group 040"  
"Function group 040"  
"Function group 040"

**WEIGHTS**

44.24 "Function group 040"  
"Function group 040"  
"Function group 040"  
"Function group 040"

44.25 "Function group 040"  
"Function group 040"  
"Function group 040"  
"Function group 040"

**FOCUS**

44.26 "Function group 040"  
"Function group 040"  
"Function group 040"  
"Function group 040"

\* Manufacturer's price