

# C13 825

# C13 ENT M82

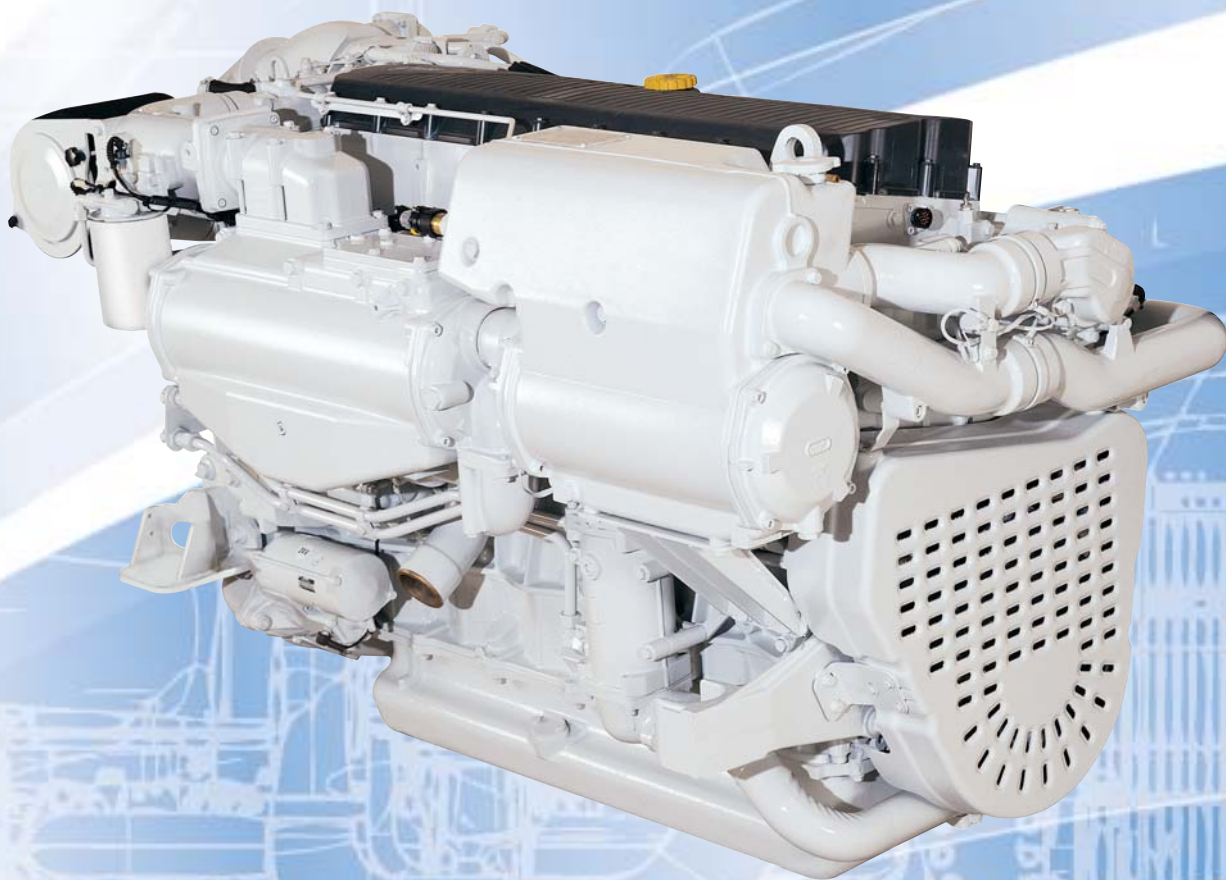
6 CYLINDERS IN LINE - DIESEL CYCLE

607 kW (825 HP) @ 2400 rpm (A1)

552 kW (750 HP) @ 2400 rpm (A2)

478 kW (650 HP) @ 2400 rpm (B)

442 kW (600 HP) @ 2400 rpm (C)



## MARINE APPLICATIONS

## C13 ENT M82 FOR MARINE APPLICATIONS

Thermodynamic cycle		Diesel 4 stroke
Air intake		TAA
Arrangement		6L
Bore x Stroke	mm	135 X 150
Total displacement	l	12.88
Valves per cylinder		4
Cooling		liquid
Direction of rotation (viewed facing flywheel)		CCW
Engine management		electrical
Injection system		Electronic Unit Injection (E.U.I.)

### Electrical system

Voltage	V	24
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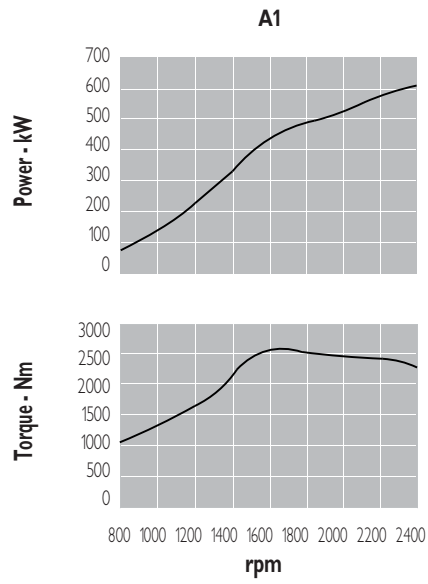
Rating type		A1	A2	B	C
Maximum power *	kW(HP)	607 (825)	552 (750)	478 (650)	442 (600)
At speed	rpm	2400	2400	2400	2400
Maximum no load governed speed at max rating	rpm	–	–	–	–
Minimum idling speed	rpm	–	–	–	–
Mean piston speed at rated speed	m/s	–	–	–	–
BMEP at max torque	kg/cm <sup>2</sup>	–	–	–	–
Specific fuel consumption at full load (best value)	g/kWh @ rpm			–	
Oil consumption at max rating	(% of fuel consumption)			0.2	
Minimum starting temperature without auxiliaries	°C			- 15	
Oil and oil filter maintenance interval for replacement	hours			600	

\* **Net Power** at flywheel according to ISO 3046/1, after 50 hours running, fuel Diesel EN 590. Power tolerance 5%.

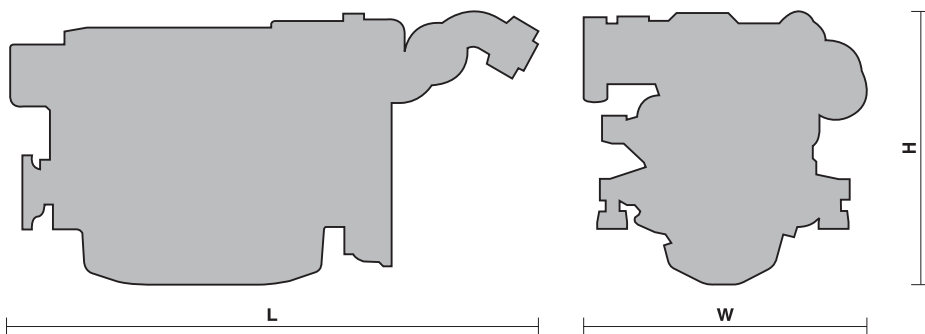
**Test conditions:** ISO 3046/1, 25 °C air temperature, 100 kPa atmospheric pressure, 30% relative humidity.

**FPT OFFERS THE WIDEST AVAILABILITY OF ENGINE BUILD OPTIONS TO CUSTOMER SPECIFIC REQUIREMENTS WITHIN THE ENGINE SUPPLY. TO FIND OUT MORE ABOUT THE CONFIGURATIONS AND ACCESSORIES WHICH ARE AVAILABLE, CONTACT THE FPT SALES NETWORK.**

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**A1** = High performance crafts.  
Full throttle operation restricted within 10% of total use period.  
Cruising speed at engine rpm < 90% of rated speed setting  
- Maximum useage: 300 hours per year.



**L** = 2015 mm

**W** = 1064 mm

**H** = 1039 mm

**Dry weight** (without marine gear) = 1400 kg

## ENGINE BENEFITS

- **PERFORMANCE:** Ratings, consumption and emissions optimisation due to electrical engine management and Electronic Unit system; high specific power; lightness (low weight/power ratio); compactness (low volume/power ratio); high torque at low rpms.
- **SERVICEABILITY:** Control, protection and diagnostic for the main engine components and parameters; widespread and quick service.
- **RELIABILITY:** Compact and functional design; long engine life.
- **COST EFFECTIVENESS:** Fuel consumption reduction; maintenance and overhaul intervals extension.
- **ENVIRONMENTALLY FRIENDLY:** Noise, gaseous emissions and vibrations reduction.
- **CUSTOMER ORIENTATION:** Wideness of uses, propulsion certifications and emissions; availability of accessories range.

### FIAT POWERTRAIN TECHNOLOGIES

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### FIAT POWERTRAIN TECHNOLOGIES

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