

# Marine Pleasure CURSOR 13

# C13 825 E

607 kW

Rating type A1: 607 kW (825 HP) @ 2400 rpm

Rating type A2: 552 kW (750 HP) @ 2400 rpm

Rating type B: 478 kW (650 HP) @ 2400 rpm

Rating type C: 442 kW (600 HP) @ 2400 rpm

## SPECIFICATIONS

Thermodynamic cycle	Diesel 4 stroke	
Air handling	TCA	
Cylinders arrangement	6L	
Bore x Stroke	millimeters	135 x 150
Total displacement	liters	12.9
Valves per cylinder	number	4
Cooling System	liquid	
Direction of Rotation (viewed facing flywheel)	CCW	
Engine management	by EDC (Electronic Diesel Control)	
Injection System	EUI	

## STANDARD CONFIGURATION

Flywheel housing	type	SAE 1
Flywheel size	inch	14"
Air filter	rear side	
Turbocharger	e Gate (water cooled) Turbo in parallel with Aftercooler (TAA)	
Heat exchanger	tube type	
Exhaust gas water mixer - Exhaust cooled elbow	-	
Water charge tank	included	
Fuel filter	number	1 - right side
Fuel prefilter	included (loose)	
Fuel pump	1 - gear driven	
Oil filter	number	2
Oil sump	aluminium	
Oil vapours blowby circuit	included	
Oil heat exchanger	included	
Oil filler	by cylinder head cover	
Starter	24V - 5.5kW	
Alternator	28 V - 90 A	
Engine stop device	by electronic central unit	
Wiring harness	with negative to ground connection	
Painting color	white "ICE"	

## WEIGHT AND DIMENSIONS

Dimensions	LxWxH (mm)	1465 x 1000 x 1058
Dry Weight	Kg	1395

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



MARINE

IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

## ELECTRICAL SYSTEM

Voltage	V	24
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## NOT INCLUDED IN STANDARD CONFIGURATION

Battery - minimum capacity recommended	Ah	2 x 180 Ah
Battery - minimum cold cranking capacity recommended	Ah	1200 Ah

## LEGEND

Arrangement	Air Handling	Turbocharger	Injection System	Exhaust System
L (in line)	TCA (Turbocharged with aftercooler)	WG (Wastegate)	M (Mechanical)	EGR (Exhaust Gas Recirculation)
V (90° "V" configuration)	TC (Turbocharged)	VG (Variable Geometry Turbocharger)	ECR (Electronic Common Rail)	SCR (Selective Catalytic Reduction)
	NA (Naturally Aspirated)	TST (Twin Stage Turbocharger)	EUI (Electronic Unit Injector)	
			MPI (Multi Point Injection)	

**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 usage 300 hours per year.  
**A2** Pleasure Commercial Vessels. Full throttle operation restricted within 10% of total use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 1000 hours per year.

**B** Light Duty: Full throttle operation restricted within 10% of use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 1500 hours per year.

**C** Medium Duty: Full throttle operation < 25% of use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 3000 hours per year.

**D** Heavy Duty

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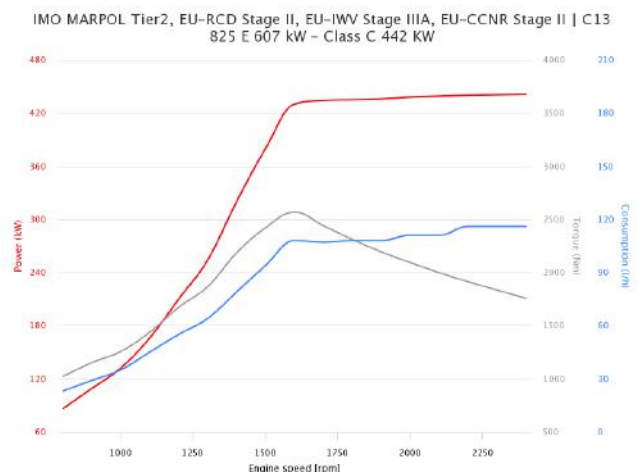
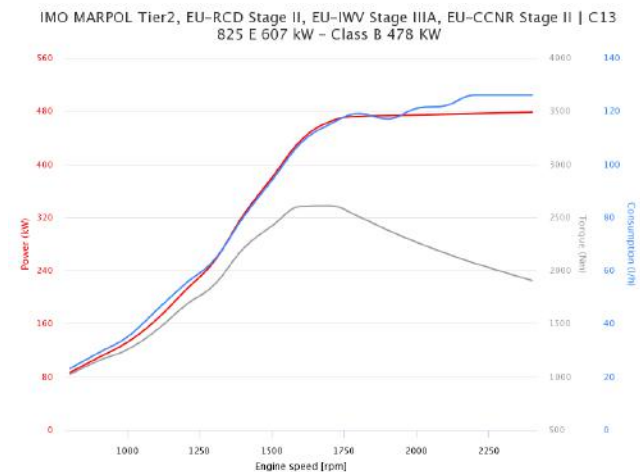
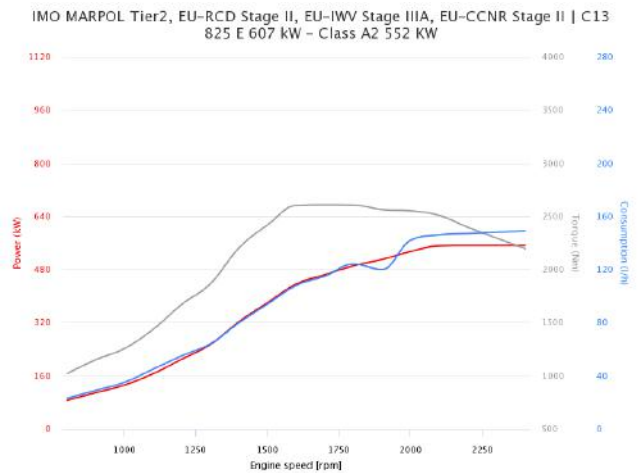
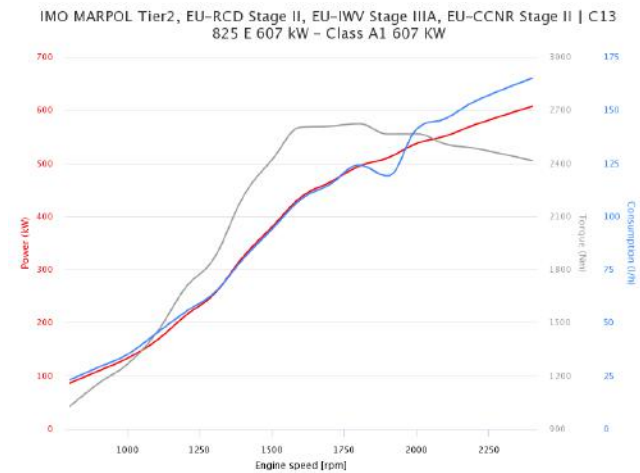


## RATING TYPE

		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	2580	2580	2580	2580
Minimum idling speed	rpm	600	600	600	600
Mean piston speed at rated speed	m/s	12	12	12	2580
BMEP at max power	bar	22.5	20.5	17.8	16.4
Specific fuel consumption at full load (best value)	g/kWh @ rpm	229.1	227.5	220.7	221.6
Oil consumption at max rating	g/kWh @ rpm		= 0.2		
Minimum starting temperature without auxiliaries	°C		-10°		
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%.

## POWER & TORQUE



### LEGEND

<b>Arrangement</b>	<b>Air Handling</b>	<b>Turbocharger</b>	<b>Injection System</b>	<b>Exhaust System</b>
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