

# Marine Commercial CURSOR 13

**C13 500**  
382 kW

Rating type B: - kW (- HP) @ - rpm

Rating type C: 382 kW (520 HP) @ 2000 rpm

Rating type D: 368 kW (500 HP) @ 2000 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	

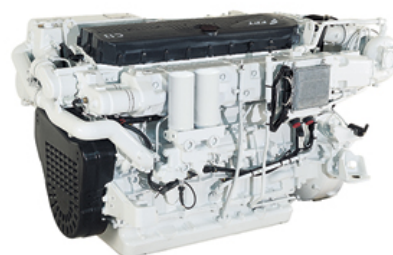
## STANDARD CONFIGURATION

Flywheel housing	type	SAE 1
Flywheel size	inch	14"
Air filter	rear side	
Turbocharger	Fixed Geometry (water cooled) Turbo with Aftercooler (TCA)	
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 - left side
Oil sump	aluminium	
Oil vapours blow-by circuit	included	
Oil heat exchanger	included	
Oil filler	by cylinder head cover	
Starter	24V - 5.5kW	
Alternator	24 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	1345

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



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)	VGT (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

FOR INFORMATION ON THE AVAILABLE RATINGS NOT LISTED IN THIS DOCUMENT PLEASE CONTACT THE FPT INDUSTRIAL SALES NETWORK OR VISIT OUR SITE [WWW.FPTINDUSTRIAL.COM](http://WWW.FPTINDUSTRIAL.COM)

SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

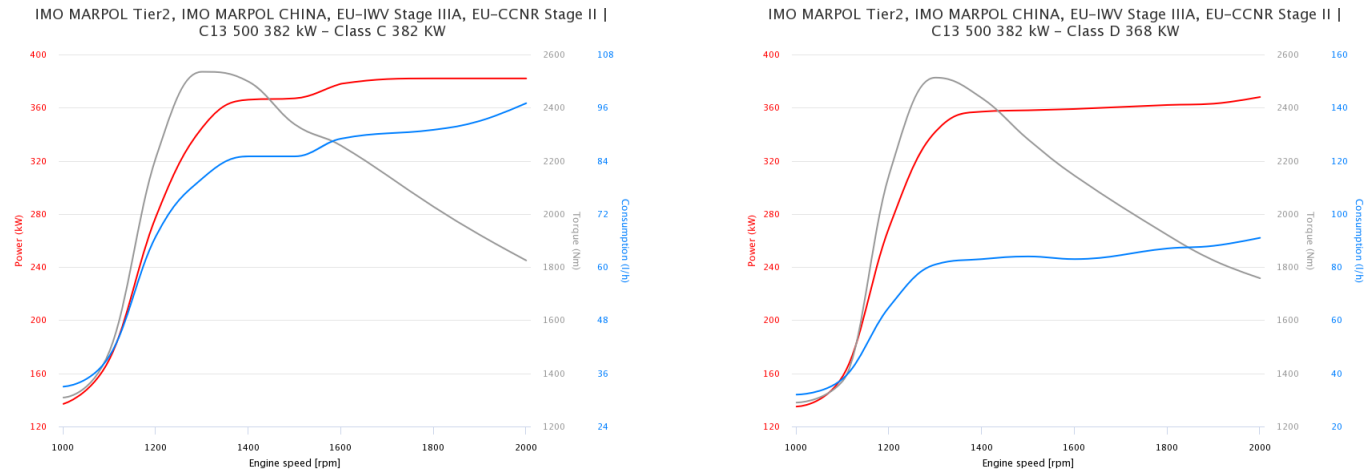


RATING TYPE

		B	C	D
Maximum power [*]	kW (HP)	- (-)	382 (520)	368 (500)
At speed	rpm	-	2000	2000
Maximum no load governed speed at max rating	rpm	-	2170	2170
Minimu idling speed	rpm	-	600	600
Mean piston speed at rated speed	m/s	-	10	10
BMEP at max power	bar	-	25.2	25
Specific fuel consumption at full load (best value)	g/kWh @ rpm	-	195 @ 1400	195 @ 1400
Oil consumption at max rating	(% of fuel cons.)		= 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%.

POWER & TORQUE



MARINE

LEGEND

Arrangement	Air Handling	Turbocharger	Injection System	Exhaust System
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V (90° "V" configuration)	TC (Turbocharged)	VGT (Variable Geometry Turbocharger)	ECR (Electronic Common Rail)	SCR (Selective Catalytic Reduction)
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