

Marine

Commercial

CURSOR 13

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

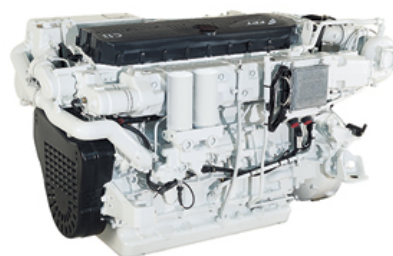
WEIGHT AND DIMENSIONS

Dimensions	LxWxH (mm)	465 x 1000 x 1058
Dry Weight	Kg	1345

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS

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"



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

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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

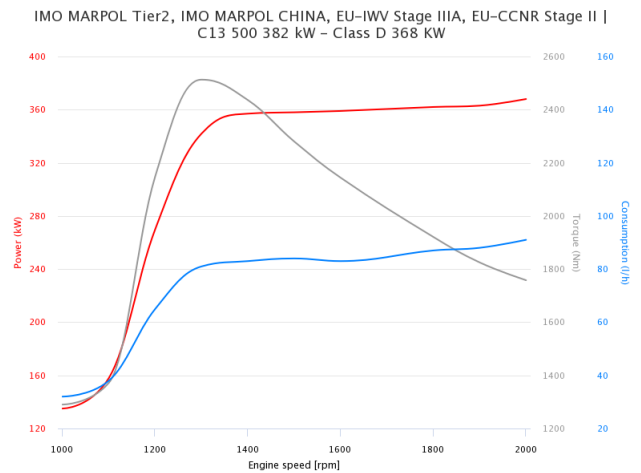
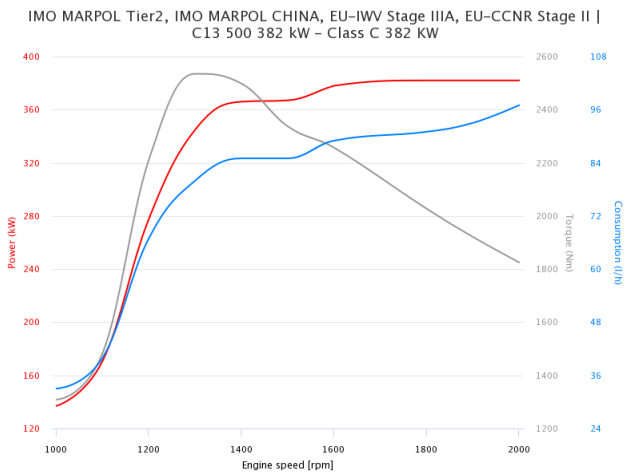


RATING TYPE

		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
Minimum 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



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