

Marine Commercial CURSOR 16

C16 600

442 kW

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

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

Rating type D: 442 kW (600 HP) @ 1800 rpm

SPECIFICATIONS

Thermodynamic cycle	Diesel 4 stroke	
Air handling	TCA	
Cylinders arrangement	6L	
Bore x Stroke	millimeters	141 x 170
Total displacement	liters	15.9
Valves per cylinder	number	4
Cooling System	liquid	
Direction of Rotation (viewed facing flywheel)	CCW	
Engine management	by ECU (Electronic Control Unit)	
Injection System	CR	

STANDARD CONFIGURATION

Flywheel housing	type	SAE 1
Flywheel size	inch	14"
Air filter	rear side	
Turbocharger	Water cooled Fixed Geometry Turbo Aftercooler (TCA)	
Heat exchanger	tube type	
Exhaust gas water mixer - Exhaust cooled elbow	-	
Water charge tank	included	
Fuel filter	number	1 Rear Side
Fuel prefilter	included (loose)	
Fuel pump	included	
Oil filter	number	2 Left Side
Oil sump	aluminium	
Oil vapours blow-by circuit	rear	
Oil heat exchanger	included	
Oil filler	by cylinder head cover	
Starter	24 V - 5.5 kW	
Alternator	28 V - 90 A	
Engine stop device	by ECU (Electronic Control Unit)	
Wiring harness	with negative to ground connection	
Painting color	white "ICE"	

WEIGHT AND DIMENSIONS

Dimensions	LxWxH (mm)	1.5 x 1 x 1.2
Dry Weight	Kg	1.6

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

ELECTRICAL SYSTEM

Voltage	V	24 V
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NOT INCLUDED IN STANDARD CONFIGURATION

Battery - minimum capacity recommended	Ah	220
Battery - minimum cold cranking capacity recommended	Ah	900

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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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

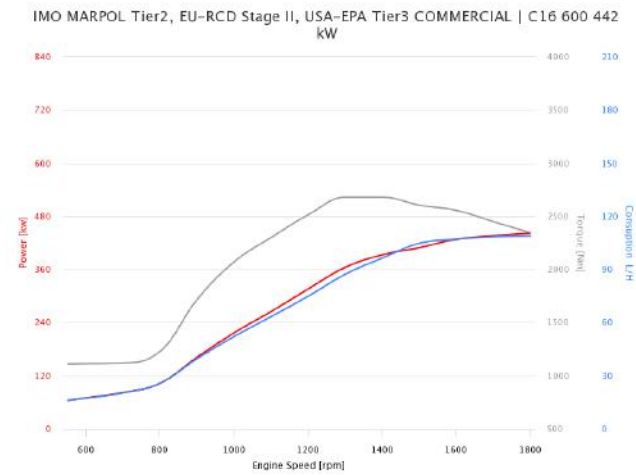


RATING TYPE

		B	C	D
Maximum power [*]	kW (HP)	- (-)	- (-)	442 (600)
At speed	rpm	-	-	1800
Maximum no load governed speed at max rating	rpm	-	-	1970
Minimum idling speed	rpm	-	-	600
Mean piston speed at rated speed	m/s	-	-	10.2
BMEP at max power	bar	-	-	18.5
Specific fuel consumption at full load (best value)	g/kWh @ rpm	-	-	207
Oil consumption at max rating	(% of fuel cons.)	-	< 0.2	
Minimum starting temperature without auxiliaries	°C	-	-°	
Oil and oil filter maintenance interval for replacement	hours	-	-	

Net Power at flywheel according to ISO 3046/1, after 50 hours running, Fuel Diesel EN 590.
Power tolerance 5%. Fuel consumption tolerance ±2%

POWER & TORQUE



MARINE

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