Marine
Commercial
CURSOR 9

C90 380
301 kW

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

Rating type C: 301 kW (410 HP) @ 2000 rpm

Rating type D: 280 kW (380 HP) @ 2000 rpm

SPECIFICATIONS

Thermodynamic cycle		Diesel 4 stroke
Air handling		TCA
Cylinders arrangement		6L
Bore x Stroke	millimeters	117 x 135
Total displacement	liters	8.7
Valves per cylinder	number	4
Cooling System		liquid
Direction of Rotation (viewed facing flywheel)		CCW
Engine management		by EDC (Electronic Diesel Control)
Injection System		ECR

STANDARD CONFIGURATION

Flywheel housing	type	SAE 1
Flywheel size	inch	14"
Air filter		rear side
Turbocharger		Waste Gate (water cooled) Turbo with Aftercooler (TCA)
Heat excharger		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		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)	1288 x 868 x 961
Dry Weight	Kg	940

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS

IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

MARINE

ELECTRICAL SYSTEM

Voltage	V	24

NOT INCLUDED IN STANDARD CONFIGURATION

Battery - minimum capacity recommended	Ah	2 x 120 Ah
Battery - minimum cold cranking capacity recommended	Ah	900 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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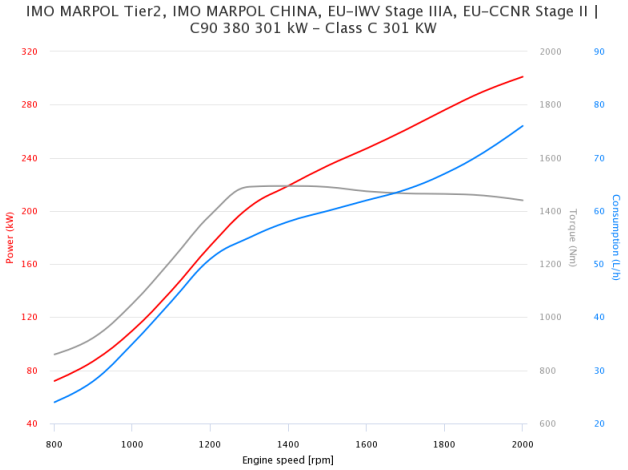
SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

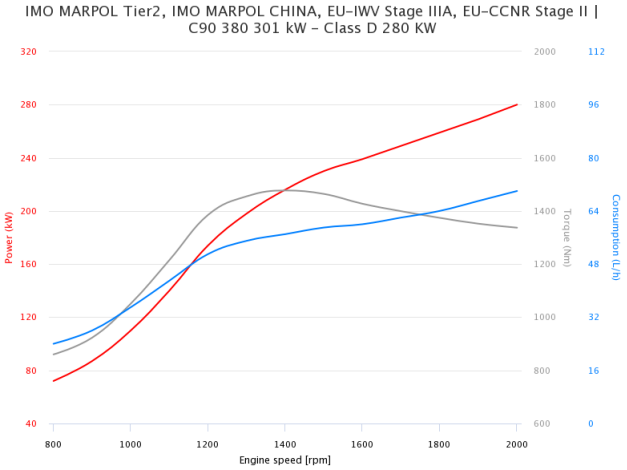
RATING TYPE

		B	C	D
Maximum power [*]	kW (HP)	- (-)	301 (410)	280 (380)
At speed	rpm	-	2000	2000
Maximum no load governed speed at max rating	rpm	-	2200	2200
Minimu idling speed	rpm	-	600	600
Mean piston speed at rated speed	m/s	-	9	9
BMEP at max power	bar	-	21.2	19.6
Specific fuel consumption at full load (best value)	g/kWh @ rpm	-	214,9	210,3
Oil consumption at max rating	(% of fuel cons.)		= 0.2	
Minimum starting temperature without auxiliaries	°C		-10°	
Oil and oil filter maintenance interval for replacement	hours		500	

* 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
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V (90° "V" configuration)

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NA (Naturally Aspirated)

Turbocharger
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VGT (Variable Geometry Turbocharger)
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