

MARINE

Pleasure

CURSOR 9

C90 650 E

478 kW

Rating type A1: 478 kW (650 HP) @ 2530 rpm

SPECIFICATIONS

Thermodynamic cycle	Diesel 4 stroke
Air Feeding	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	CR

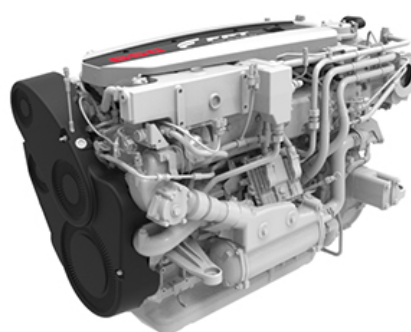
STANDARD CONFIGURATION

Flywheel housing	type	SAE 1
Flywheel size	inch	14"
Air filter		rear side
Turbocharger	Waste Gate (water cooled) Turbo with Aftercooler (TCA)	
Heat 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 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 (L x W x H)	mm	1226 x 868 x 962
Dry Weight	Kg	1014

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



PLEASURE

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

Do you want to know more?

LEGEND

Arrangement	Air Handling	Turbocharger	Injection System	Exhaust System
L (in line)	TC (Turbocharged) NA (Naturally Aspirated) TCA (Turbocharged with aftercooler)	WG (Wastegate)	M (Mechanical) CR (Common Rail) MPI (Multi Point Injection)	EGR (Exhaust Gas Recirculation) SCR (Selective Catalytic Reduction)

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/B1 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

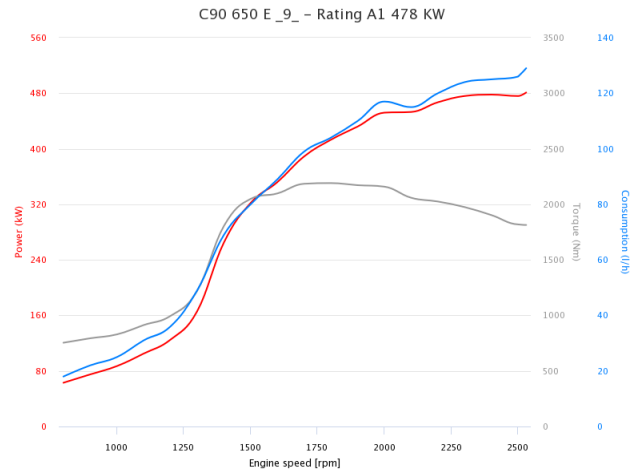


RATING TYPE

A1

Maximum power [*]	kW (HP)	478 (650)
At speed	rpm	2530
Maximum no load governed speed at max rating	rpm	2700
Minimum idling speed	rpm	600
Mean piston speed at rated speed	m/s	11.4
BMEP at max power	bar	26.5
Specific fuel consumption (best value)	g/kWh @ rpm	209 @ 1500
IMO Marpol Tier 2 (IMO Annex VI Technical Code 2008)		✓
RCD Stage 2 (2013/53/EC)		✓
IWW Stage V (EU 2016/1628)		-
EPA Tier 3 Commercial		-
EPA Tier 3 Recreational		✓
China GB I (GB15097-2016)		-
China GB II (GB15097-2016)		-
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	300
* Net Power at flywheel according to ISO 8665, after 50 hours running, Fuel Diesel EN 590. Power tolerance 5%.		

POWER & TORQUE



PLEASURE

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