



MARINE DATA SHEET

C16 600

FIXED-SPEED AUXILIARY

**Our efficiency.
Your edge.**

SPECIFICATIONS

Thermodynamic cycle	Diesel 4 stroke
Air handling	TCA
Cylinders arrangement	6L
Bore x Stroke	141 x 170 mm
Total displacement	15.9 liters
Valves per cylinder	4
Cooling System	Liquid
Direction of Rotation (viewed facing flywheel)	CCW (Counterclockwise)
Engine management	By ECU (Electronic Control Unit)
Injection System	CR
Compression ratio	16,5:1
Compatibility with XTL / HVO fuels (EN 15940)	Yes

STANDARD CONFIGURATION

Flywheel housing	SAE 1
Flywheel size	14"
Air filter	Rear side
Turbocharger	Water cooled Fixed Geometry Turbo + Aftercooler (TCA)
Cooling type	Heat Exchanger Tube Type / Keel Cooling
Water charge tank	Included
Fuel filter	1 Rear Side
Fuel prefilter	Included (loose)
Fuel pump	Included
Oil filter	2 Left Side
Oil sump	Aluminium
CCV (blow-by) filter	External
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	Dark Grey

Legend

Arrangement
L In line

Air Handling
TCA Turbocharged with aftercooler

Injection System
CR Common Rail

MAIN OPTIONS

Cold start aid	Yes
PTO	PTO 3-grooves pulley, front PTO axial with elastic coupling and 3-grooves pulley, rear PTO SAE B
Exhaust gas	Dry, wet
Insulated poles configuration (negative to battery)	Yes
Electronic speed regulator	Yes
Marine Classification Society. Type approval	Yes

WEIGHT AND DIMENSIONS*

Dimensions	(L**xWxH) 1,470 x 1,025 x 1,169 mm 58 x 40 x 46 inches
- Height, crankshaft centerline to top	806 mm 31.7 inches
- Height, crankshaft centerline to bottom	363 mm 14.3 inches
- Stringer width	840 mm 33.1 inches
Dry Weight	1,570 Kg 3,460 lb

* Weight and dimensions can be changed according to engine options and configurations
** Length at flywheel

RATING TYPE		PRP	PRP
Maximum power [*]	kWm	397	331
At speed	rpm	1,800	1,500
Fuel consumption at rated speed	g/kWh	226	220

* Net Power at flywheel according to ISO 8665, after 50 hours running, Fuel Diesel EN 590.
Power tolerance 5%.

Legend

PRP Prime Power conforms to ISO 8528.Unlimited hours per year.
Maximum mean load factor of 70% of rated power over 24 h of operation. Overload +10% (maximum of 1 h in 12 h, maximum in 25 h per year)

FUEL CONSUMPTION

C16ENTMP60.90
331 KW @ 1,500 RPM (IMO TIER2, CHINA GB2)

Power % of PRP	Fuel consumption [l/h]	Fuel consumption [gal/h]
110% (overload)	95	25
100% (prime power)	87	23
80%	70	18
50%	46	12
25%	23	6

C16ENTMP60.90
397 KW @ 1,800 RPM (IMO TIER2)

Power % of PRP	Fuel consumption [l/h]	Fuel consumption [gal/h]
110% (overload)	119	31
100% (prime power)	105	28
80%	85	22
50%	56	15
25%	34	9

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Rating type PRP: 397 kWm @ 1,800 rpm

Rating type PRP: 331 kWm @ 1,500 rpm

