



MARINE DATA SHEET

C16 1000

735 kW

Power you trust

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	15,5:1
Compatibility with XTL / HVO fuels (EN 15940)	Yes

STANDARD CONFIGURATION

Flywheel housing	SAE 1
Flywheel size	14"
Air filter	Rear side
Turbocharger	2 Waste Gate Single Stage (water cooled) Turbo with 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	White "ICE"

Legend

Arrangement	Air Handling	Injection System
L In line	TCA Turbocharged with aftercooler	CR Common Rail

MAIN OPTIONS

Cold start aid	Yes
PTO	Front 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
Marine Classification Society. Type approval	Yes

WEIGHT AND DIMENSIONS*

Dimensions	(L**xWxH) 1,470 x 1,166 x 1,169 mm 58 x 46 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	810 mm 31.9 inches
Dry Weight	1,640 Kg 3,615 lb

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

RATING TYPE		A2/B1	A2/B1	B	C ¹	C ¹	C ¹
Maximum power [*]	kW(hp)	735(1,000)	691(940)	662(900)	599(815)	588(800)	551(750)
At speed	rpm	2,300	2,450	2,300	2,000	2,000	2,000
Fuel consumption at rated speed	g/kWh	228	234	231	222	224	222
Peak torque	Nm (lb-ft) @ rpm	3,510 (2,590) @ 1,700	3,530 (2,605) @ 1,700	3,510 (2,590) @ 1,700	3,350 (2,470) @ 1,600	3,430 (2,530) @ 1,600	3,290 (2,430) @ 1,600

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

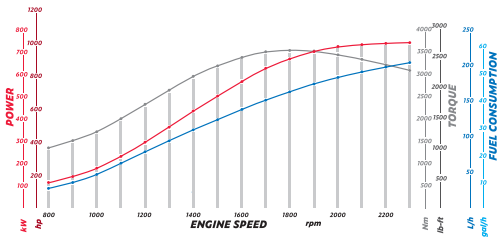
¹ Also available in Keel Cooling Configuration.

Rating

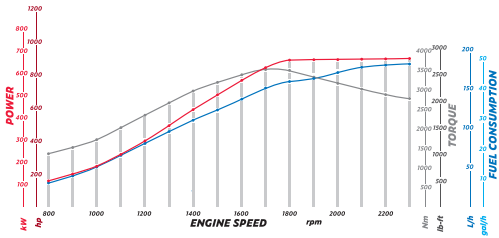
A1	High performance crafts. Full throttle operation restricted within 10% of total use period Cruising speed at engine rpm <90% of rated speed setting. Maximum usage 300 hours per year.	B	Light duty. Full throttle operation restricted within 10% of total use period. Cruising speed at engine rpm <90% of rated speed setting. Maximum usage 1500 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.	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. Maximum rating utilization up to 100% of use period, for unlimited hours per year.

POWER & TORQUE

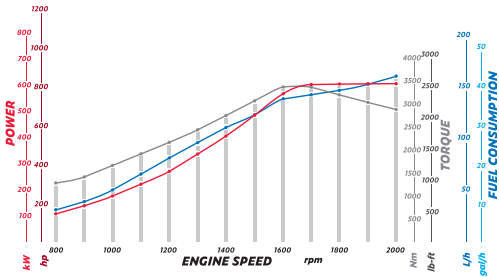
C16 1000
Rating A2/B1 - 735 kW @ 2,300 rpm
Emission Standards:
- IMO MARPOL Tier 2
- RCD Stage 2
- EPA Tier 3 Recreational
- China GB II



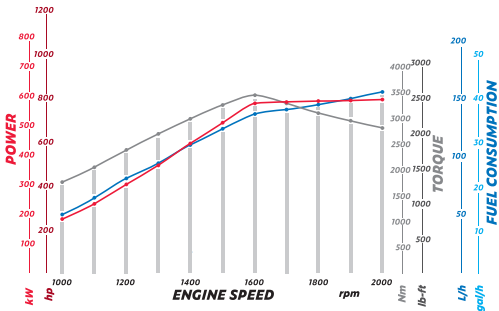
C16 1000
Rating B - 662 kW @ 2,300 rpm
Emissions Standards:
- IMO MARPOL Tier 2
- RCD Stage 2
- EPA Tier 3 Recreational
- China GB II



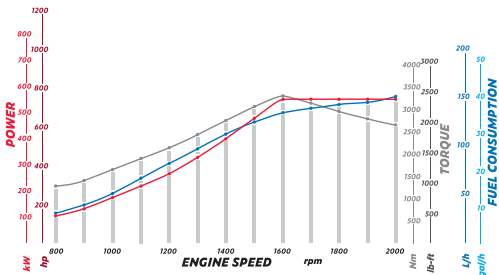
C16 1000
Rating C - 599 kW @ 2,000 rpm
Emissions Standards:
- IMO MARPOL Tier 2

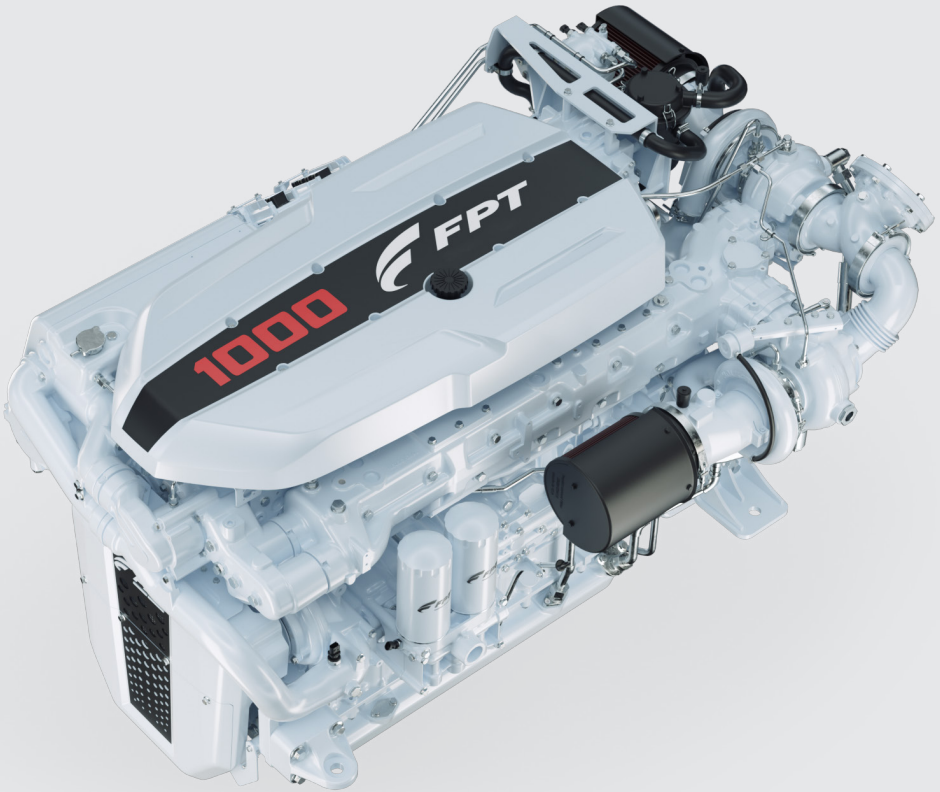


C16 1000
Rating C - 588 kW @ 2,000 rpm
Emissions Standards:
- IMO MARPOL Tier 2
- EPA Tier 3 Commercial



C16 1000
Rating C - 551 kW @ 2,000 rpm
Emissions Standards:
- IMO MARPOL Tier 2
- EPA Tier 3 Commercial





Rating A2/B1:	735 kW (1,000 hp) @ 2,300 rpm
Rating A2/B1:	691 kW (940 hp) @ 2,450 rpm
Rating B:	662 kW (900 hp) @ 2,300 rpm
Rating C:	599 kW (815 hp) @ 2,000 rpm
Rating C:	588 kW (800 hp) @ 2,000 rpm
Rating C:	551 kW (750 hp) @ 2,000 rpm



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