

MARINE Commercial CURSOR 16

C16 1000 735 kW

Rating type B1: 735 kW (1000 HP) @ 2300 rpm
Rating type B: 662 kW (900 HP) @ 2300 rpm
Rating type C: 599 kW (815 HP) @ 2300 rpm
Rating type C: 551 kW (750 HP) @ 2300 rpm
Rating type C: 478 kW (650 HP) @ 2300 rpm

SPECIFICATIONS

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

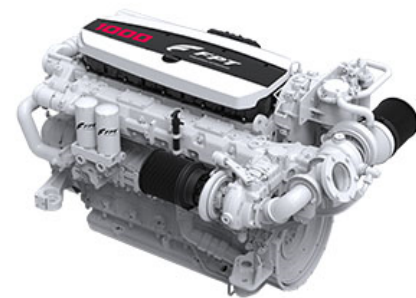
STANDARD CONFIGURATION

Flywheel housing	type	SAE 1
Flywheel size	inch	14"
Air filter	rear side	
Turbocharger	iate Single Stage (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 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 - 120 A	
Engine stop device	by ECU (Electronic Control Unit)	
Wiring harness	with negative to ground connection	
Painting color	white "ICE"	

WEIGHT AND DIMENSIONS

Dimensions (L x W x H)	mm	1465 x 1136 x 1160
Dry Weight	Kg	1640

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



COMMERCIAL

IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

ELECTRICAL SYSTEM

Voltage	V	24 V
---------	---	------

NOT INCLUDED IN STANDARD CONFIGURATION

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

LEGEND

Arrangement	Air Handling	Turbocharger	Injection System	Exhaust System
L (in line)	TC (Turbocharged)	WG (Wastegate)	M (Mechanical)	EGR (Exhaust Gas Recirculation)
V (90° "V" configuration)	NA (Naturally Aspirated)	VGT (Variable Geometry Turbocharger)	CR (Common Rail)	SCR (Selective Catalytic Reduction)
	TCA (Turbocharged with aftercooler)	TST (Twin Stage Turbocharger)	EUI (Electronic Unit Injector)	
			MPI (Multi Point Injection)	

LEESGROUP
MARINE & INDUSTRIAL POWER | GENERATORS

Contact us

+64 9 299 6019 | leesgroup.com

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

FOR INFORMATION ON THE AVAILABLE RATINGS NOT LISTED IN THIS DOCUMENT PLEASE CONTACT THE FPT INDUSTRIAL SALES NETWORK OR VISIT OUR SITE WWW.FPTINDUSTRIAL.COM
SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

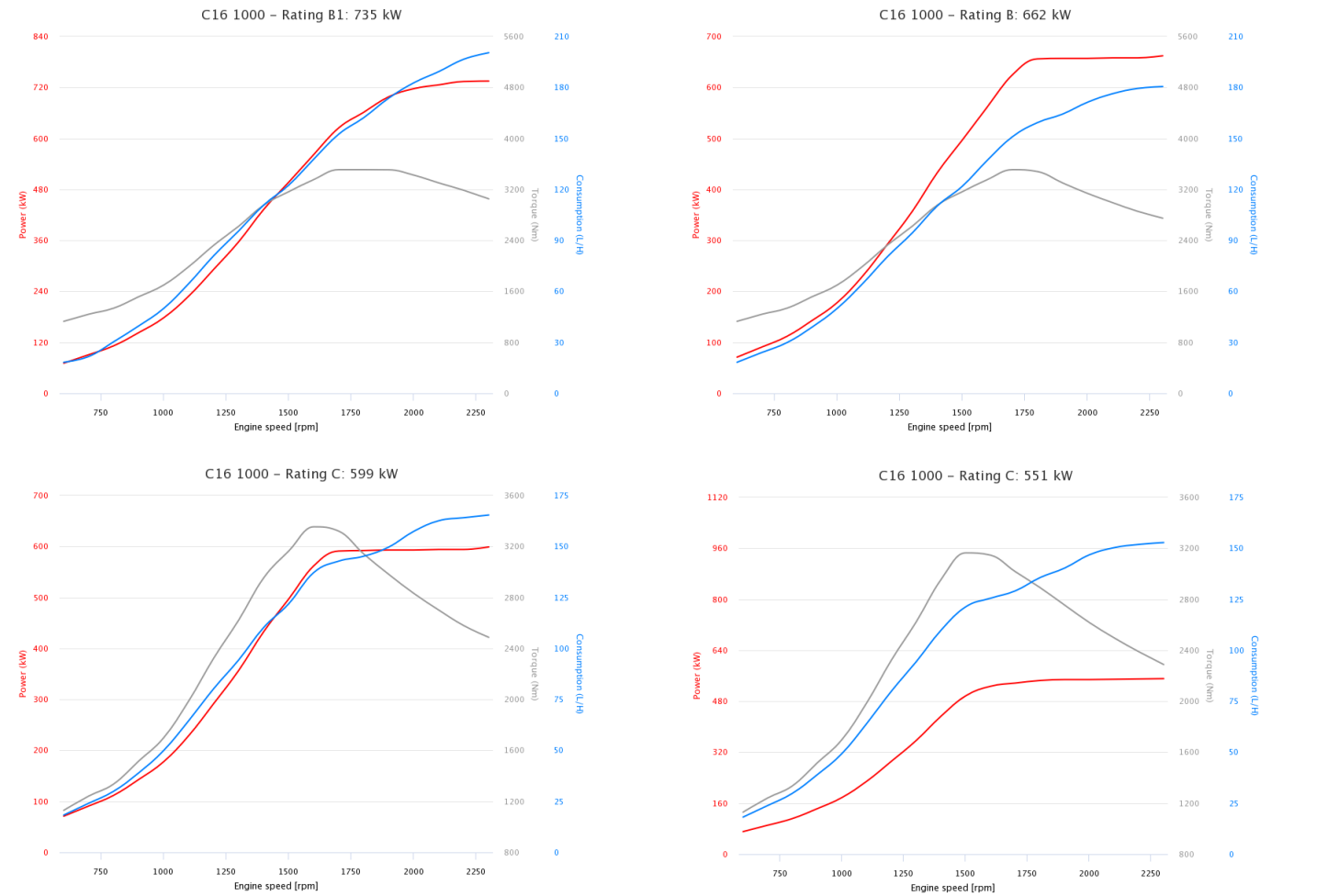


RATING TYPE

		B1	B	C	C	C
Maximum power [*]	kW (HP)	735 (1000)	662 (900)	599 (815)	551 (750)	478 (650)
At speed	rpm	2300	2300	2300	2300	2300
Maximum no load governed speed at max rating	rpm	2500	2500	2500	2500	2500
Minimum idling speed	rpm	600	600	600	600	600
Mean piston speed at rated speed	m/s	13	13	13	13	13
BMEP at max power	bar					
Specific fuel consumption (best value)	g/kWh @ rpm	229	229	232	233	235
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	< 0.2	< 0.2	< 0.2	< 0.2
Minimum starting temperature without auxiliaries	°C	-10°	-10°	-10°	-10°	-10°
Oil and oil filter maintenance interval for replacement	hours	600	600	600	600	600

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

POWER & TORQUE



LEGEND

Arrangement	Air Handling	Turbocharger	Injection System	Exhaust System
L (in line)	TC (Turbocharged)	WG (Wastegate)	M (Mechanical)	EGR (Exhaust Gas Recirculation)
V (90° "V" configuration)	NA (Naturally Aspirated)	VG (Variable Geometry Turbocharger)	CR (Common Rail)	SCR (Selective Catalytic Reduction)
	TCA (Turbocharged with aftercooler)	TST (Twin Stage Turbocharger)	EUI (Electronic Unit Injector)	
			MPI (Multi Point Injection)	

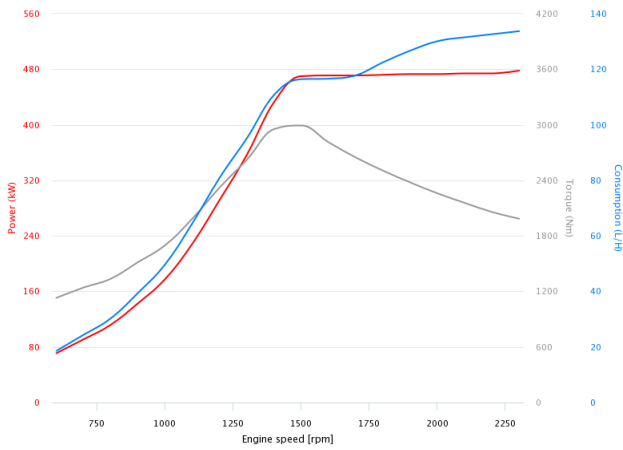
A1 High Performance Crafts. Full throttle operation restricted within 10% of total use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 300 hours per year.
 A2/B1 Pleasure Commercial Vessels. Full throttle operation restricted within 10% of total use period. Cruising speed 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

FOR INFORMATION ON THE AVAILABLE RATINGS NOT LISTED IN THIS DOCUMENT PLEASE CONTACT THE FPT INDUSTRIAL SALES NETWORK OR VISIT OUR SITE WWW.FPTINDUSTRIAL.COM
 SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE



COMMERCIAL

C16 1000 - Rating C: 478 kW



LEGEND

Arrangement	Air Handling	Turbocharger	Injection System	Exhaust System
L (in line)	TC (Turbocharged)	WG (Wastegate)	M (Mechanical)	EGR (Exhaust Gas Recirculation)
V (90° "V" configuration)	NA (Naturally Aspirated)	VGT (Variable Geometry Turbocharger)	CR (Common Rail)	SCR (Selective Catalytic Reduction)
	TCA (Turbocharged with aftercooler)	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/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

FOR INFORMATION ON THE AVAILABLE RATINGS NOT LISTED IN THIS DOCUMENT PLEASE CONTACT THE FPT INDUSTRIAL SALES NETWORK OR VISIT OUR SITE WWW.FPTINDUSTRIAL.COM
 SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

