POWER GENERATION

CURSOR series

GE C350 EA

350 kVA (50 Hz) @ 1500 rpm
380 kVA (60 Hz) @ 1800 rpm
Stage II

SPECIFICATIONS

Engine Model	C13 TE2A	
Cylinder Arrangement	6L	
Valves per cylinder (n°)	4	
Thermodynamic Cycle	Diesel 4 stroke	
Injection System	EUI	
Air Handling	TAA	
Flywheel housing (type)	SAE 1	
Flywheel	14"	
Specific fuel consumption at:	**1500**	**1800**
- Stand-By g/kWh (l/h) [kg/h]	189,6 (77,9)[65,4]	198,4 (91)[76,4]
- Full load g/kWh (l/h) [kg/h]	187,5 (70)[58,8]	182,6 (76,1)[63,9]
- 80% g/kWh (l/h) [kg/h]	191,8 (57,3)[48,1]	202,2 (67,4)[56,6]
- 50% g/kWh (l/h) [kg/h]	207,8 (38,8)[32,6]	210,2 (43,8)[36,8]
Fuel specifications	EN 590	
Fuel tank capacity (l)	500	
Total Displacement (l)	12,9	

WEIGHT AND DIMENSIONS

Dimensions (LxWxH)	3530 X 1100 X 1740
Dry Weight with standard accessories (may change in function of the alternator)	Kg 2650

PERFORMANCE

Ratings	1500 rpm		1800 rpm	
	PRIME	STAND-BY	PRIME	STAND-BY
Continuos Power kVA (kWe)	350 (280)	385 (308)	380 (304)	418 (334)

Performance according to ISO 8528 conditions.
Power factor 0.8.

PRIME POWER: The prime power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER: The stand-by power is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. No kind of overloads is permissible for this use.

CONTINUOS POWER: Contact the FPT sales organization.

Legend

Arrangement	Air Handling	Injection System
L (in line) V (90° "V" configuration)	TAA (Turbocharged with aftercooler) TC (Turbocharged) NA (Naturally Aspirated)	M (Mechanical) ECR (Electronic Common Rail) EUI (Electronic Unit Injector)

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

FPT POWERTRAIN TECHNOLOGIES

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Specifications subject to change without notice.
Illustrations may include optional equipment.

Main Features

1. ENGINE DRIVE
FPT heavy duty diesel engine. Performances in accordance with ISO 8528, G3 class.

2. COOLING SYSTEM
Radiator and pusher fan dimensioned. for tropical climates. The radiator is fixed to the base frame and is equipped with adequate security protection guards.

3. ALTERNATOR
Single bearing synchronous brushless alternator, four poles, mechanical protection degree IP21 and H class insulation. Tropical climates impregnation; on request, humid and corrosive climates treatment. All alternators are equipped with electronic voltage regulator and meet the following standards : CEI2-3, BS4999-5000, VDE0530, IEC34-1.

4. MOUNTING ARRANGEMENT
4.1 Base Frame
The complete generating set is mounted on a modern design and high quality steel fabricated base frame. In the catch all base frame are located the fuel tank and the batteries. Anti vibration pads are fitted between engine-alternator and base frame ensuring complete vibration isolation of rotating assemblies.

4.2 Coupling
Engine and alternator are directly coupled.

5. FUEL SYSTEM
Thermoplastic fuel tank with a total capacity of 500 liters is provided on the base frame. The fuel tank is equipped with a visual fuel level indicator.

6. CONTROL PANEL
Manual and Automatic control panels are available in different configurations.

7. OPTIONS
Generating set can be supplied with different options to meet the specific requirements of the customer.

8. DOCUMENTATION
A full set of operation and maintenance manuals are provided with each unit.

9. FACTORY TESTS
Generating set is subject to a strict load test before delivery. A test certificate can be provided on request.

FPT INDUSTRIAL OFFERS THE WIDEST AVAILABILITY OF ENGINE BUILD OPTIONS TO CUSTOMER SPECIFIC REQUIREMENTS WITHIN THE ENGINE SUPPLY. TO FIND OUT MORE ABOUT THE CONFIGURATIONS AND ACCESSORIES WHICH ARE AVAILABLE

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