# Power Generation
## G-Drive
## CURSOR 13

# CURSOR13 TE3A
## 387 kWm @ 1500 rpm
## Stage II

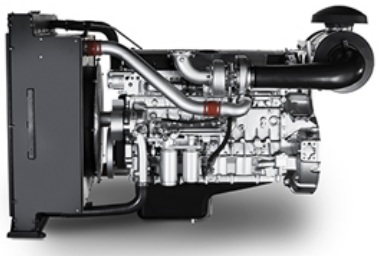
## SPECIFICATIONS

| | | | |
|---|---|---|---|
| Thermodynamic Cycle | | | Diesel 4 stroke |
| Arrangement | | | 6L |
| Air Handling | | | TCA |
| Bore x Stroke | millimeters | | 135 x 150 |
| Total Displacement | liters | | 12.9 |
| Cooling System | | | liquid (water - paraflu 50%) |
| Direction of Rotation (viewed facing flywheel) | | | CCW |
| Speed governor | | | Electronic |
| Injection System | | | EUI |
| Flywheel housing | | type | SAE 1 / 14” |
| Flywheel size | | inch | - |
| Oil and oil filter maintenance interval for replacement | | hours | 600 |
| Specific fuel consumption at 1500 Stand-by | | l/h (g/kWh) | - (-) |
| Specific fuel consumption at 1500 100% Prime Power | | l/h (g/kWh) | 85.8 (197) |
| Specific fuel consumption at 1500 80% Prime Power | | l/h (g/kWh) | 70.4 (199.7) |
| Specific fuel consumption at 1500 50% Prime Power | | l/h (g/kWh) | 42.8 (196.7) |
| Specific fuel consumption at 1800 Stand-by | | l/h (g/kWh) | - (-) |
| Specific fuel consumption at 1800 100% Prime Power | | l/h (g/kWh) | 98.1 (214.3) |
| Specific fuel consumption at 1800 80% Prime Power | | l/h (g/kWh) | 82.5 (222.1) |
| Specific fuel consumption at 1800 50% Prime Power | | l/h (g/kWh) | 55 (222.1) |
| ATB (without canopy) at 1500 | | °C | 50 |
| ATB (without canopy) at 1800 | | °C | 49 |
| Lube oil total system capacity including pipes, filters etc. | | liter | ~35 |
| Electric system (isolated return) | | Vcc | 24 |
| Starting batteries: recommended capacity | | Ah | 2 x 185 Ah |
| Discharge Current (EN50342) | | A | 1200 |
| Cold starting: without preheating | | °C | -10 |
| Cold starting: with preheating | | °C | -25 |

## WEIGHT AND DIMENSIONS

| | | |
|---|---|---|
| Dimensions | LxWxH (mm) | 324 x 1268 x 1464 |
| Dry Weight | Kg | 1228 |

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

## PERFORMANCES

| | | |
|---|---|---|
| Rated Stand-by Power at 1500 rpm | kWm | 387 |
| Rated Prime Power at 1500 rpm | kWm | 352 |
| Rated Continuous at 1500 rpm | | - |
| Rated Stand-by Power at 1800 rpm | kWm | 398 |
| Rated Prime Power at 1800 rpm | kWm | 360 |
| Rated Continuous at 1800 rpm | | - |

POWER GENERATION

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.

CONTINUOUS POWER: Contact the FPT sales organization.

### LEGEND

**Arrangement**
L (in line)
V (90° "V" configuration)

**Air Handling**
TCA (Turbocharged with aftercooler)
TC (Turbocharged)
NA (Naturally Aspirated)

**Injection System**
M (Mechanical)
ECR (Electronic Common Rail)
EUI (Electronic Unit Injector)
MPI (Multi Point Injection)

**MORE INFORMATION ABOUT CONFIGURATIONS AND ACCESSORIES AVAILABILITY, THROUGH THE WORLDWIDE FPT INDUSTRIAL DISTRIBUTORS NEYWORK**

**NOT ALL MODELS, STANDARD EQUIPMENT AND ACCESSORIES ARE AVAILABLE IN ALL COUNTRIES. SPECIFICATIONS AND OPTIONS MAY CHANGE WITHOUT NOTICE**

## OPTIONAL EQUIPMENT

Upon specific request, engines can be supplied with the following accessories: - Water pre-heater - Air pre heater - Exhaust manifold and turbo guards - Exhaust elbow with flexible bellow - Exhaust silencer (loose) - Low water level alarm sender - Oil drain pump - Oil drain valve - Tools box

POWER GENERATION

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.

CONTINUOUS POWER: Contact the FPT sales organization.

### LEGEND

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

**MORE INFORMATION ABOUT CONFIGURATIONS AND ACCESSORIES AVAILABILITY, THROUGH THE WORLDWIDE FPT INDUSTRIAL DISTRIBUTORS NEYWORK**

**OT ALL MODELS, STANDARD EQUIPMENT AND ACCESSORIES ARE AVAILABLE IN ALL COUNTRIES. SPECIFICATIONS AND OPTIONS MAY CHANGE WITHOUT NOTIC**