# On Road
## Light Commercial Vehicles
## F1C

# S30 ENT
125 kW (170 HP) @ 3500 rpm
Euro 5

## SPECIFICATIONS

| | | |
|---|---|---|
| Thermodynamic Cycle | | Diesel 4 stroke |
| Air Handling | | TCA |
| Bore x Stroke | millimeters | 96 x 104 |
| Total Displacement | liters | 3 |
| Valves per cylinder | number | 4 |
| Cooling System | | liquid |
| Direction of Rotation | viewed facing flywheel | CCW |
| Compression ratio | | 17.5:1 |
| Injection System | | ECR |
| Arrangement | | 4L |

### PERFORMANCES

| | | |
|---|---|---|
| Peak power | kW (HP) @ rpm | 125 ( 170 ) @ 3500 |
| Peak torque | Nm (kgm) @ rpm | 400 (41) @ 2350 |
| High idle speed | rpm | 4200 |
| Low idle speed | rpm | ±800 |
| Minimum starting temperature without auxiliaries | °C | -25° |
| Oil and oil filter maintenance interval for replacement | kilometer | - |

## STANDARD CONFIGURATION

| | | |
|---|---|---|
| Flywheel housing | type | n.a. |
| Flywheel size | inch | 11" dual mass |
| Intake manifold location | | engine front direction / left side |
| Exhaust manifold location | | middle high / right side / back |
| Turbocharger | | Variable Geometry Turbocharger |
| Turbocharger location | | center / right side |
| Fan transmission ratio | | n.a. |
| Distance between fan - crankshaft centers | millimeters | X=-50 Y=180 |
| Fuel filter | number | included in pressure regulator |
| Oil filter | number | single cartridge - left side |
| Oil sump | | uspended sheet steel / front or back sump |
| Oil vapours blow-by circuit | | close case ventilation |
| Oil heat exchanger | | integrated into the block |
| Oil filler | | on valve cover |
| Starter | | 12 V - 2.5kW |
| Alternator | | 12 V (110 A - 140 A) |
| Engine stop device | | by electronic control unit |
| Wiring harness | | interface wiring loom with accessories |
| Painting color | | n.a. |
| Air compressor | | - |
| Hydraulic steering pump | liters-minute | - |
| Maximum torque available from crankshaft pulley | newton-meter | - |

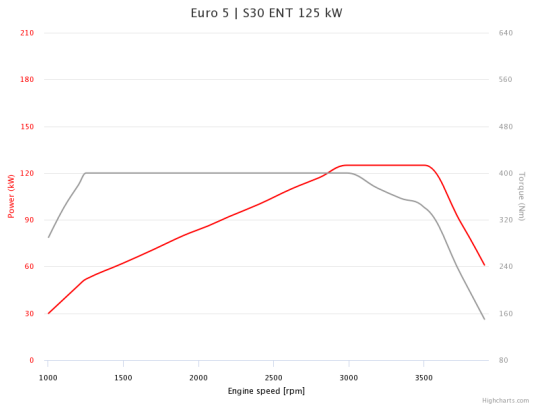
## WEIGHT AND DIMENSIONS

| | | |
|---|---|---|
| Dimensions | LxWxH (mm) | 718 x 590 x 866 |
| Dry Weight | Kg | 245 |

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS

IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

## POWER & TORQUE




## NOT INCLUDED IN STANDARD CONFIGURATION

| | | |
|---|---|---|
| Power Take Off (PTO) | | - |
| PTO - transmission ratio | | n.a. |
| PTO - maximum available torque | | 150 Nm @ 1500 rpm - - |
| Battery - minimum capacity recommended | Ah | 92 Ah (12V) |
| Battery - minimum cold cranking capacity recommended | Ah | 12 V - 450 Ah |

### LEGEND

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

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

**Turbocharger**
WG (Wastegate)
VGT (Variable Geometry Turbocharger)
TST (Twin Stage Turbocharge)

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

**Emission standard**
EEV (Enhanced Environmentally friendly Vehicle)

**Exhaust System**
EGR (Exhaust Gas Recirculation)
SCR (Selective Catalytic Reduction)

**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**

ON ROAD



FPT POWERTRAIN TECHNOLOGIES

## AFTER TREATMENT SYSTEM

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ON ROAD

### LEGEND

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

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