# On Road
## Buses
## CURSOR 8 NG

# C78 ENTG
## 213 kW (290 HP) @ 2000 rpm
## EEV / Euro VI A/C

## SPECIFICATIONS

| | | |
|---|---|---|
| Thermodynamic Cycle | | Otto 4 stroke |
| Air Handling | | TAA |
| Bore x Stroke | millimeters | 115 x 125 |
| Total Displacement | liters | 7.8 |
| Valves per cylinder | number | 4 |
| Cooling System | | liquid |
| Direction of Rotation | viewed facing flywheel | CCW |
| Compression ratio | | 11 : 1 |
| Injection System | | MPI |
| Arrangement | | 6L |

### PERFORMANCES

| | | |
|---|---|---|
| Peak power | kW (HP) @ rpm | 213 ( 290 ) @ 2000 |
| Peak torque | Nm (kgm) @ rpm | 1100 (112) @ 1850 |
| High idle speed | rpm | 2250 |
| Low idle speed | rpm | ±600 |
| Minimum starting temperature without auxiliaries | °C | -15° |
| Oil and oil filter maintenance interval for replacement | kilometer | - |

## STANDARD CONFIGURATION

| | | |
|---|---|---|
| Flywheel housing | type | SAE 1 - aluminum |
| Flywheel size | inch | 16" |
| Intake manifold location | | middle high / right side / front or back |
| Exhaust manifold location | | middle high / left side / back |
| Turbocharger | | Fixed Geometry with Waste Gate valve |
| Turbocharger location | | center / left side |
| Fan transmission ratio | | n.a. |
| Distance between fan - crankshaft centers | millimeters | X=0 Y=0 |
| Fuel filter | number | included in pressure regulator |
| Oil filter | number | single cartridge - left side |
| Oil sump | | suspended sheet steel / flat pan |
| Oil vapours blow-by circuit | | close case ventilation |
| Oil heat exchanger | | integrated into the block |
| Oil filler | | on valve cover |
| Starter | | 24V - 4.5kW |
| Alternator | | 2 x 24 V - 90 A |
| Engine stop device | | by electronic control unit |
| Wiring harness | | interface wiring loom with accessories |
| Painting color | | grey |
| Air compressor | | - |
| Hydraulic steering pump | liters-minute | - |
| Maximum torque available from crankshaft pulley | newton-meter | - |

## WEIGHT AND DIMENSIONS

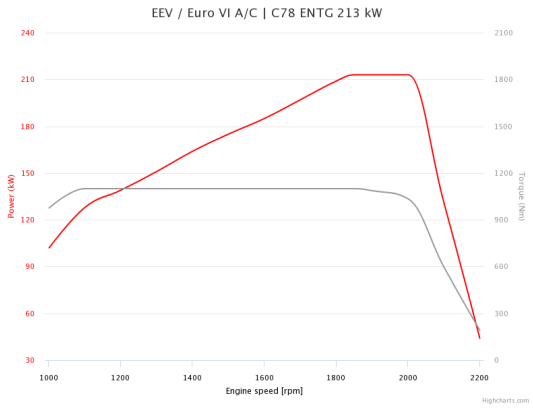
| | | |
|---|---|---|
| Dimensions | LxWxH (mm) | 1211 x 862 x 980 |
| Dry Weight | Kg | 800 |

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS

ON ROAD

IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

## POWER & TORQUE




## NOT INCLUDED IN STANDARD CONFIGURATION

| | | |
|---|---|---|
| Power Take Off (PTO) | | - |
| PTO - transmission ratio | | 1.1:1 |
| PTO - maximum available torque | | 550 @ 900-1300 - - |
| Battery - minimum capacity recommended | Ah | 143 Ah (24 V) |
| Battery - minimum cold cranking capacity recommended | Ah | 24 V - 800 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**

## AFTER TREATMENT SYSTEM

3 WAY CATALYST

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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