On Road
Buses
CURSOR 8 NG

C78 ENTG
221 kW (296 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	221 (296) @ 2000
Peak torque	Nm (kgm) @ rpm	1200 (-) @ 1760
High idle speed	rpm	2400
Low idle speed	rpm	±600
Minimum starting temperature without auxiliaries	°C	-25°
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		ıetry turbo with Waste Gate (water cooled)
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		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		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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