On Road
Buses
CURSOR 8

C78 ENT
280 kW (381 HP) @ 2050 rpm
Euro V

ON ROAD

SPECIFICATIONS

Thermodynamic Cycle		Diesel 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		16.5:1
Injection System		EUI
Arrangement		6L

PERFORMANCES

Peak power	kW (HP) @ rpm	280 (381) @ 2050
Peak torque	Nm (kgm) @ rpm	1500 (153) @ 1780
High idle speed	rpm	2250
Low idle speed	rpm	±600
Minimum starting temperature without auxiliaries	°C	-10°
Oil and oil filter maintenance interval for replacement	kilometer	-

STANDARD CONFIGURATION

Flywheel housing	type	SAE 1 - aluminium
Flywheel size	inch	16" / 17"
Intake manifold location		middle high / right side
Exhaust manifold location		middle high / left side / back
Turbocharger		Variable Geometry Turbocharger
Turbocharger location		center / left side
Fan transmission ratio		n.a.
Distance between fan - crankshaft centers	millimeters	X=0 Y=0
Fuel filter	number	right side
Oil filter	number	single cartridge - left side
Oil sump		suspended sheet aluminium / back sump
Oil vapours blow-by circuit		close case ventilation
Oil heat exchanger		integrated into the block
Oil filler		on valve cover
Starter		24V - 5.5kW
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)	1175 x 760 x 1038
Dry Weight	Kg	680

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		1.14:1
PTO - maximum available torque	front 800Nm on flywheel housing 600Nm	-
Battery - minimum capacity recommended	Ah	! x 130 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

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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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