On Road
Light Commercial Vehicles
F1C NG

S30 ENTG
100 kW (136 HP) @ 3500 rpm
EEV / Euro VI

ON ROAD

SPECIFICATIONS

Thermodynamic Cycle		Otto 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		12.5 : 1
Injection System		MPI
Arrangement		4L

PERFORMANCES

Peak power	kW (HP) @ rpm	100 (136) @ 3500
Peak torque	Nm (kgm) @ rpm	350 (36) @ 1500
High idle speed	rpm	4200
Low idle speed	rpm	±800
Minimum starting temperature without auxiliaries	°C	-20°
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		left side
Exhaust manifold location		right side
Turbocharger		Fixed Geometry with Waste Gate valve
Turbocharger location		back / right side
Fan transmission ratio		1.25:1
Distance between fan - crankshaft centers	millimeters	X=180 Y=-50
Fuel filter	number	-
Oil filter	number	single cartridge - left side
Oil sump		uspended sheet steel / front or back sump
Oil vapours blow-by circuit		blow-by close case ventilation
Oil heat exchanger		plate heat exchanger
Oil filler		on valve cover
Starter		12V - 2.3kW
Alternator		12 V - 110 A
Engine stop device		electronic stop device
Wiring harness		engine wiring
Painting color		grey
Air compressor		-
Hydraulic steering pump	liters-minute	-
Maximum torque available from crankshaft pulley	newton-meter	-

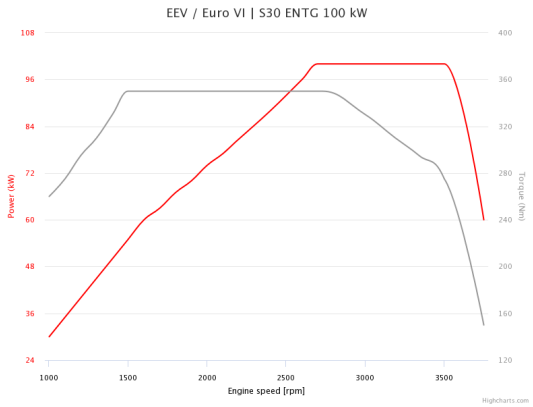
WEIGHT AND DIMENSIONS

Dimensions	LxWxH (mm)	617 x 653 x 798
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		1 : 1
PTO - maximum available torque		40 Nm - -
Battery - minimum capacity recommended	Ah	110 Ah (12V)
Battery - minimum cold cranking capacity recommended	Ah	12 V - 580 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

FPT POWERTRAIN TECHNOLOGIES

AFTER TREATMENT SYSTEM

-

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)	TST (Twin Stage Turbocharge)	EUI (Electronic Unit Injector)	
			MPI (Multi Point Injection)	

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