

## SPECIFICATIONS

Thermodynamic Cycle	Diesel 4 stroke- D.I.
Air Handling	TC
Arrangement	4L
Bore x Stroke (mm)	104 X 132
Total Displacement (l)	4.5
Valves per cylinder (n°)	2
Cooling System	liquid
Direction of Rotation (viewed facing flywheel)	CCW
Compression ratio	17.5:1
Injection System	M

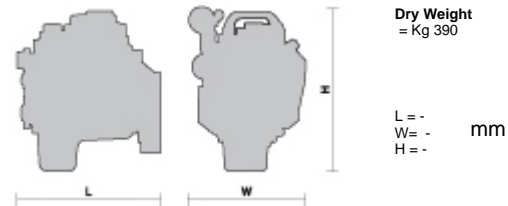
## PERFORMANCE

Rated power [*] (kW (HP) @ rpm)	74 ( 100 ) @ 2300
Peak power (kW (HP) @ rpm)	-
Peak torque (Nm (kgm) @ rpm)	398 ( 405 ) @ 1400
High idle speed (rpm)	2480
Low idle speed (rpm)	± 650
DEF[**]/AdBlue consumption at peak torque and rated power (% of fuel cons.)	-
Minimum starting temperature without auxiliaries (°C)	-15 °
Oil and oil filter maintenance interval for replacement [***] (hours)	500

## STANDARD CONFIGURATION

Flywheel housing (type)	SAE 3
Flywheel size (inch)	10"
Intake manifold location	left side/ backward inlet
Exhaust manifold location	right side/ frontward outlet
Turbocharger	waste gate controlled
Turbocharger location	high/ right side
Fan transmission ratio	1.41:1
Distance between fan - crankshaft centers (mm)	X = 0 Y = 296
Fuel filter (n°)	1- left side
Fuel prefilter	-
Fuel Pump	-
Oil filter (n°)	1- right side
Oil sump	sheet steel/ front well
Oil vapours blow-by circuit	on timing cover
Oil heat exchanger	built in the crankcase
Oil filler	-
Starter	12V- 3kW
Alternator	12V- 90A with W contact
Hydraulic steering pump (liters/min)	-
Maximum torque available from crankshaft pulley (Nm)	-
Engine stop device	electrical excitation
Wiring harness	-
Painting color	grey

## WEIGHT AND DIMENSIONS



## NOT INCLUDED IN STANDARD CONFIGURATION

Power Take Off (PTO)	-
PTO - transmission ratio	1.03:1
PTO - maximum available torque	SAE A 100Nm (9 teeth)- 150Nm (11 teeth)
	SAE B 240Nm (13 teeth)
Battery - minimum capacity recommended [*] (Ah)	180 (12V)
Battery - minimum cold cranking capacity recommended [*] (A)	950 (12V)

[\*] Power at flywheel according to 97/68 EC (without fan), after 50 hours running, 3% tolerance, fuel Diese EN 590

## Legend

Arrangement	Air Handling	Turbocharger	Injection System	Emission Standard	Exhaust System
L (in line)	TAA (Turbocharged with aftercooler) TC (Turbocharged) NA (Naturally Aspirated)	WG (Wastegate) VGT (Variable Geometry Turbocharger) TST (Twin Stage Turbocharge)	M (Mechanical): ECR (Electronic Common Rail) EUI (Electronic Unit Injector)	EEV (Enhanced Environmentally friendly Vehicle)	EGR (Exhaust Gas Recirculation) SCR (Selective Catalytic Reduction)

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