

KEY FACTS

Integrated – Engineered – Power solution

High fuel efficiency

High torque at low speed

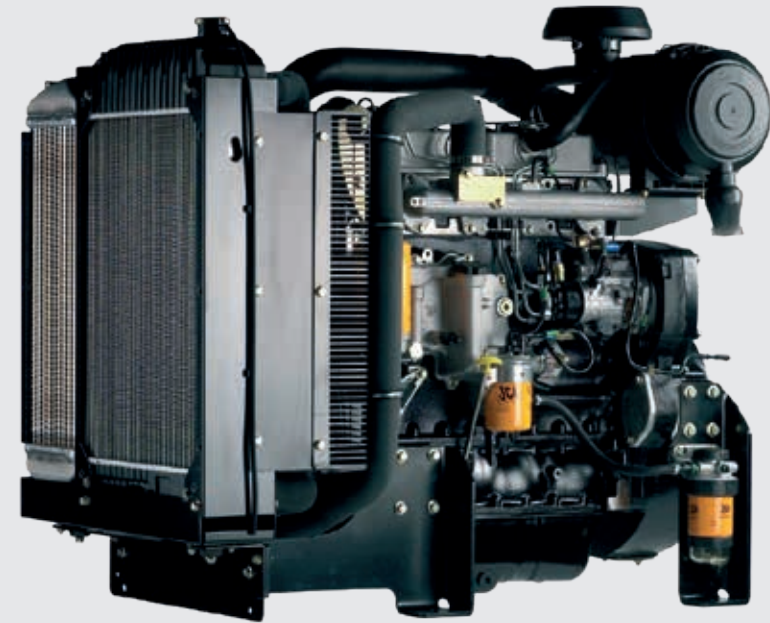
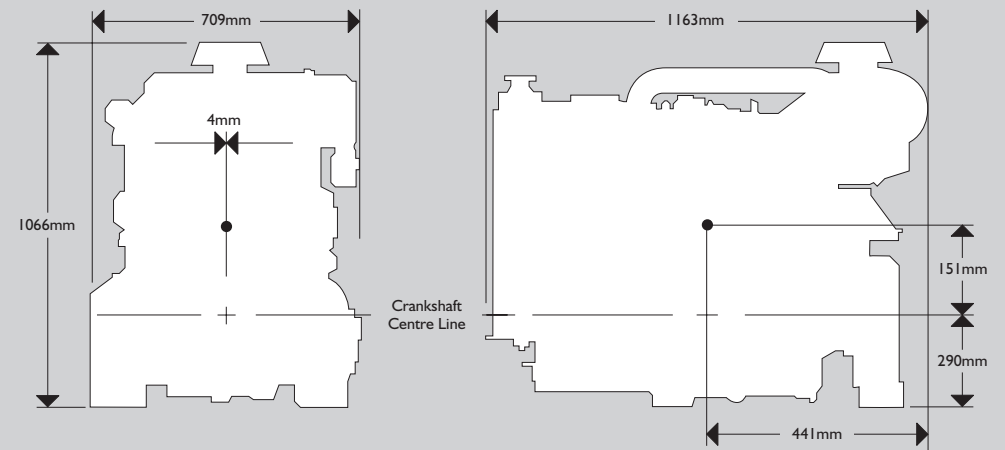
Low cost of ownership

JCB Global Support

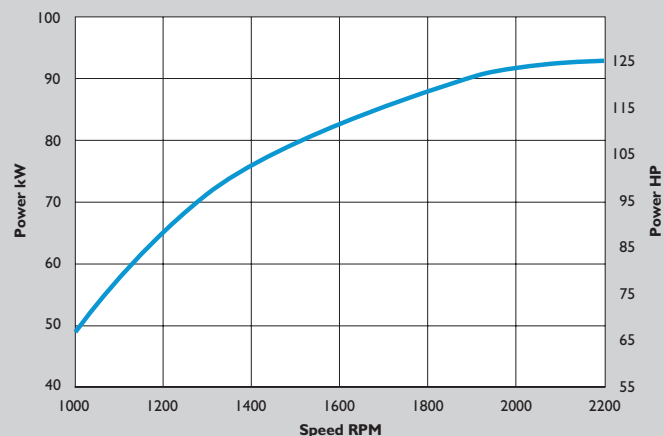
GENERAL TECHNICAL DATA

Model		444 TA I
Maximum rating (gross intermittent)	kW (hp)	93 (125)
Maximum rating (net intermittent)	kW (hp)	89 (119)
Thermodynamic cycle		Diesel 4 stroke
Aspiration		TCA
Arrangement		4.4L
Emissions level		EU Stage II / EPA Tier 2
Bore	mm (in)	103 (4.06)
Stroke	mm (in)	132 (5.20)
Total displacement	cm ³ (in ³)	4399 (269)
Valves per cylinder		4
Injection system		Mechanical
Cooling		Liquid
Direction of rotation (viewed from crank nose)		Clockwise
Dry weight	kg (lbs)	595 (1312)
Rated speed	rpm	2200
Peak torque	Nm (lb-ft)	525 (387)
Peak torque speed	rpm	1300
Maximum no load governed speed	rpm	2390
Nominal idling speed	rpm	800
Minimum starting temperature without auxiliaries	°C (°F)	-20 (-4)
Gradability - continuous	degrees	35
Gradability - intermittent	degrees	45

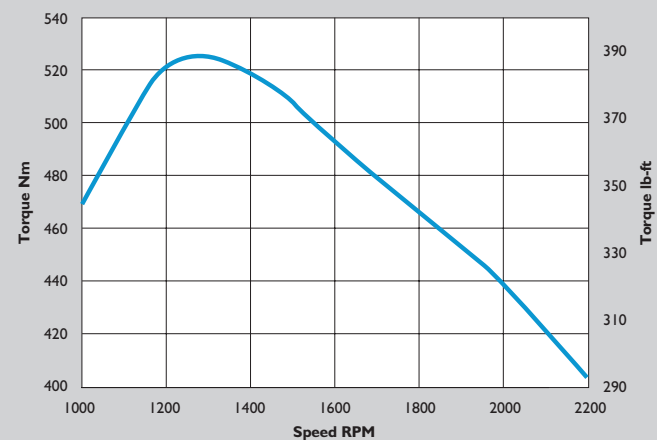
*As per ISO 14396


DIMENSIONS


POWER CURVE



TORQUE CURVE



STANDARD CONFIGURATION

Flywheel housing	SAE3
Intake manifold location	Left hand forward
Exhaust manifold / turbocharger location	Right hand
Turbocharger	Wastegate controlled
Fan drive ratios	0.85:1, 1:1, 1.16:1, 1.25:1
Distance between fan - crankshaft centres	mm (in) 262 (10.3)
Fuel filter	Engine mounted
Fuel lift pump	Pre-filter with primary pump & WIF sensor
Oil filter	Single, vertical - LHS
Oil sump	Pressed steel
Breather system	Closed
Oil cooler	LHS
Oil filler position	Top and left hand side
Starter motor	12V, 4.2kW
Alternator	12V, 95A
Power Take-off: Heavy Duty	60kW, 205Nm, 1.268:1 RHS
Power Take-off: Light Duty	15kW, 40Nm, 1.625:1 LHS
Finish	Lacquered

*Orientation from flywheel.

OPTIONS

Extensive range of configuration options available - contact local JCB Power Systems dealer, or JCB Power Systems sales and applications department for availability and configuration options.

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