

**KEY FACTS**

Integrated – Engineered – Power solution

High fuel efficiency – No aftertreatment design

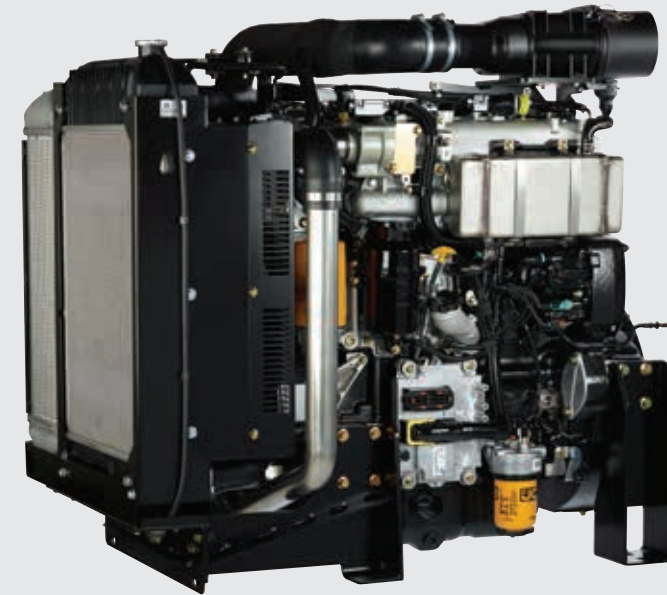
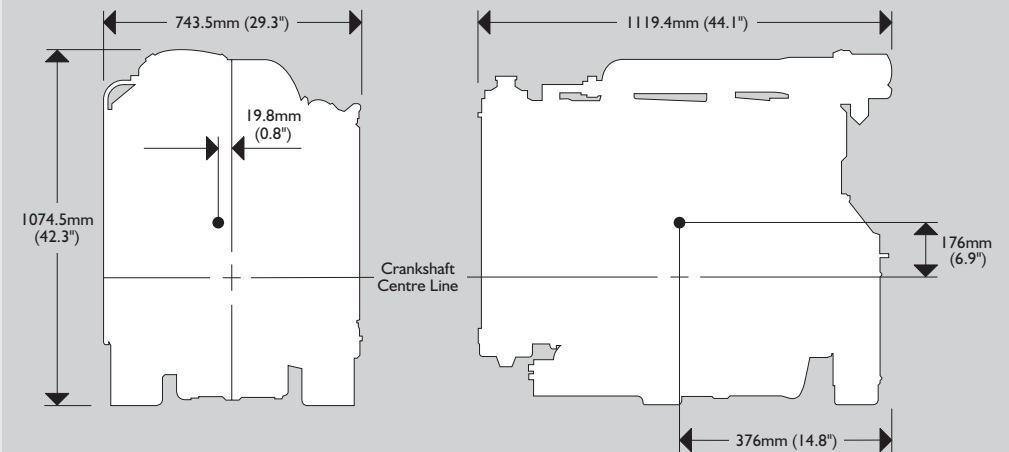
Low cost of ownership

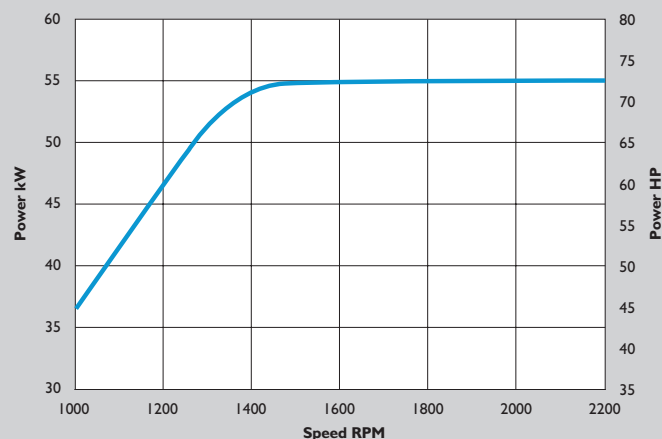
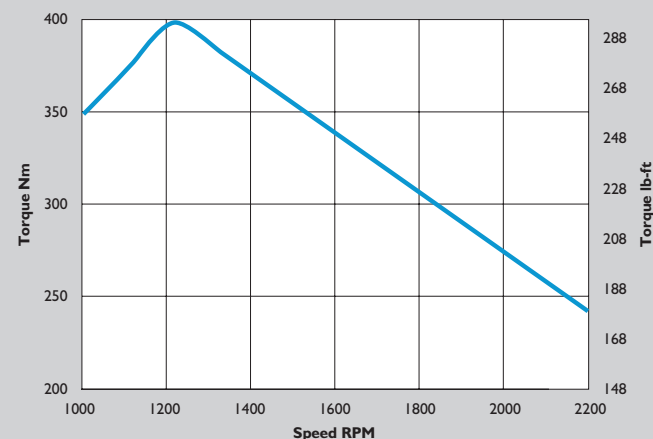
High torque at low speed

JCB Global Support

**GENERAL TECHNICAL DATA**

<b>Model</b>		<b>444 TA4-55</b>
Maximum rating (gross intermittent)	kW (hp)	55 (74)
Thermodynamic cycle		Diesel 4 stroke
Aspiration		TCA
Arrangement		In-line 4 cylinder IPU
Emissions level		EU Stage IIIB / US EPA Tier 4
Bore	mm (in)	103 (4.06)
Stroke	mm (in)	132 (5.20)
Total displacement	cm <sup>3</sup> (in <sup>3</sup> )	4399 (269)
Valves per cylinder		4
Injection system		Common Rail
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)	400 (295)
Peak torque speed	rpm	1200
Maximum no load governed speed	rpm	2371
Nominal idling speed	rpm	850
Minimum starting temperature without auxiliaries	°C (°F)	-20 (-4)
Gradability - continuous	degrees	35
Gradability - intermittent	degrees	45


**DIMENSIONS**


**POWER CURVE**

**TORQUE CURVE**

**STANDARD CONFIGURATION**

Flywheel housing	SAE3
Intake manifold location	Left hand forward
Exhaust manifold / turbocharger location	Right hand rearward
Turbocharger	Wastegate controlled
Fan drive ratios	0.85:1, 1:1, 1.16:1 or 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 and WIF sensor
Oil filter	Single, vertical - LHS
Oil sump	Pressed steel
Breather system	Closed
Oil cooler	Left hand side
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.