KEY FACTS

Integrated – Engineered – Power solution

High fuel efficiency

High torque at low speed

Low cost of ownership

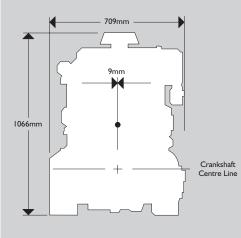
JCB Global Support

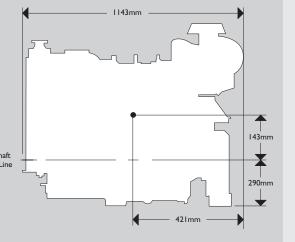
Model		444 N2
Maximum rating (gross intermittent)	kW (hp)	63 (84)
Maximum rating (net intermittent)	kW (hp)	61 (82)
Thermodynamic cycle		Diesel 4 stroke
Aspiration		NA
Arrangement		4.4L
Emissions level		EU Stage II / EPA Tier 2
Bore	mm (in)	103 (4.06)
Stroke	mm (in)	132 (5.20)
Total displacement	cm ³ (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)	559 (1232)
Rated speed	rpm	2200
Peak torque	Nm (lb-ft)	320 (236)
Peak torque speed	rpm	1200
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

POWER SYSTEMS

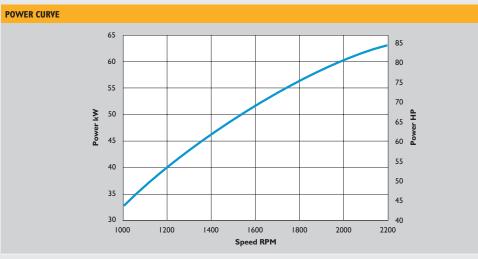


DIMENSIONS









								400
								400
	320							380
	520							
								360
	310							340
Ę								320 ¥
Torque Nm	300							320 11- 300 anbuo 280 L
b.								bio
F	290							280 H
	270							260
	280							240
								220
	270		1	1	1	1		200
	100	I 00	200 I-	400 I (600 18	300 20	000 22	.00
				Spee	d RPM			

OPTIONS

TORQUE CURVE

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.

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		I 2V, 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.		

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ENGINE SPECIFICATION SHEET