KEY FACTS

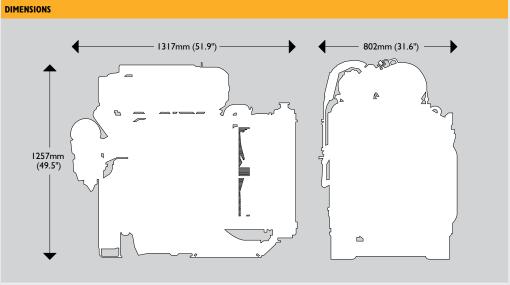
Efficient combustion process has lead to minimum aftertreatment requirements

Heavy duty engine with common customer installation interface points across the product family

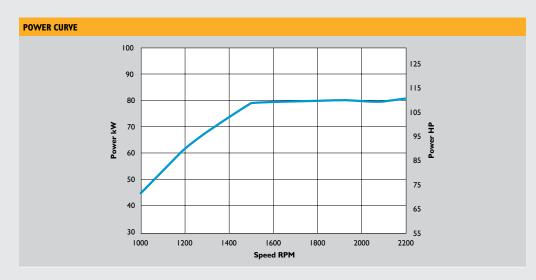
Supported by Global Distributor and Dealer Network

GENERAL TECHNICAL DATA		
Model		448 Stage V
Maximum rating (gross intermittent)	kW (hp)	81 (108)
Thermodynamic cycle		Diesel 4 stroke
Aspiration		TCA
Arrangement		4 Cylinder
Emissions level		Stage V
Bore	mm (in)	106 (4.17)
Stroke	mm (in)	112 (4.41)
Total displacement	cm³ (in³)	4765.4
Valves per cylinder		4
Injection system		Common Rail
Cooling		Liquid
Direction of rotation (viewed from crank nose)		Clockwise
Dry weight	kg (lbs)	750 (1653) Exc. DEF Tank
Rated speed	rpm	2200
Peak torque	Nm (lb-ft)	516 (381)
Peak torque speed	rpm	1450
Maximum no load governed speed	rpm	2450
Nominal idling speed	rpm	850
Minimum starting temperature without auxiliaries	°C (°F)	-12 (10.4)
Gradability - continuous	degrees	35
Gradability - intermittent	degrees	45



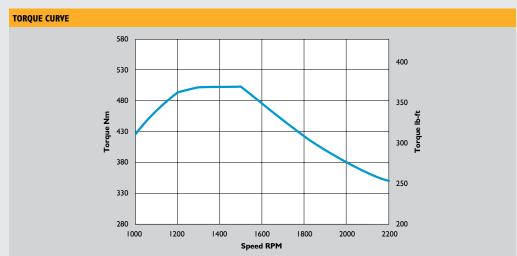






STANDARD CONFIGURATION		
Flywheel housing		SAE3
Intake manifold location		Left hand forward*
Exhaust manifold / turbocharger location		Right hand rearward*
Turbocharger		Electronic Wastegate controlled
Fan drive ratios		0.85:1, 1:1, 1.16:1, 1.25:1, 1.37:1
Distance between fan - crankshaft centres	mm	262 or 356
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		Open
Oil cooler		LHS*
Oil filler position		Top or LHS*
Starter motor		12V, 4.2kW/24V, 4kW
Alternator		12V, 95A/24V, 100A
Power Take-off: Heavy Duty		60kW/205Nm (1.268:1)
Power Take-off: Light Duty		15kW/40Nm (1.625:1)
Finish		Lacquered

^{*}Orientation from flywheel.





OPTIONS

Extensive range of configuration options available – contact local JCB Power Systems distributor, or JCB Power Systems sales and applications department for availability and configuration options. For more information on purchasing a JCB Engine or configuration of a bespoke product for your requirements contact a JCB Power Systems distributor.

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