

**KEY FACTS**

Integrated – Engineered – Power solution

High fuel efficiency

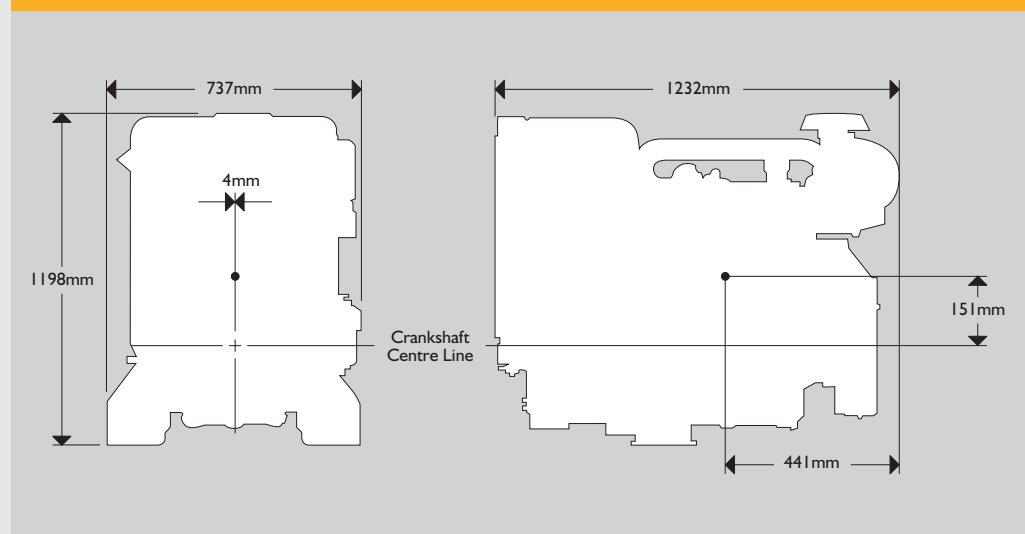
Low cost of ownership

High load acceptance

JCB Global Support

**GENERAL TECHNICAL DATA**

Model		Prime	Standby
			444TG
Aspiration			TC
Emissions level			Stage II
<b>Calculated gen-set output:</b>			
kWe (1)		48	53
kVA (2)		60	66
Gross power	kWm	56	62
Net power	kWm	50	55
Thermodynamic cycle		Diesel 4 stroke	
Arrangement		In-line 4 cylinder	
Bore	mm (in)	103 (4.1)	
Stroke	mm (in)	132 (5.2)	
Total displacement	cm <sup>3</sup> (in <sup>3</sup> )	4399 (268.4)	
Valves per cylinder		4	
Injection system		Mechanical	
Cooling		Liquid	
Direction of rotation (viewed from crank nose)		Clockwise	
Minimum starting temperature without auxiliaries	°C (°F)	-12 (10)	
Dry weight	kg (lb)	566 (1247.8)	
<b>Notes</b>			
(1) kWe calculation assumes X% alternator efficiency		90%	
<b>Fuel consumption</b>			
110% load	l/h (g/kWh)	15.3 (210)	
100% load	l/h (g/kWh)	14.1 (215)	
75% load	l/h (g/kWh)	10.6 (230)	
50% load	l/h (g/kWh)	8.2 (245)	
Governing		ISO8528 G2 Class	


**DIMENSIONS**


**STANDARD CONFIGURATION**

Flywheel housing		SAE3
Intake manifold location		Left hand
Exhaust manifold / turbocharger location		Right hand
Rotational mass moment of inertia excluding flywheel	kgm <sup>2</sup>	0.2255
Turbocharger		Central mounting
Fan drive ratios		1:1
Distance between fan - crankshaft centres	mm (in)	356 (14)
Fuel filter		Engine mounted
Fuel lift pump		Mechanical with primer
Oil filter		Single, vertical - LHS
Oil sump		Pressed steel
Breather system		Open
Oil cooler		LHS
Oil filler position		Top and left hand side
Starter motor		12V, 4.2kW
Alternator		12V, 95A
Power Take-off: Heavy Duty		Option (205Nm)
Power Take-off: Light Duty		6.8kW
Finish		Lacquered

\*Orientation from flywheel.

**DIMENSIONS**

Length	mm (in)	1184 (46.6)
Width	mm (in)	737 (29)
Height	mm (in)	1119 (44.1)

**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.