

**KEY FACTS**

Integrated – Engineered – Power solution

High fuel efficiency

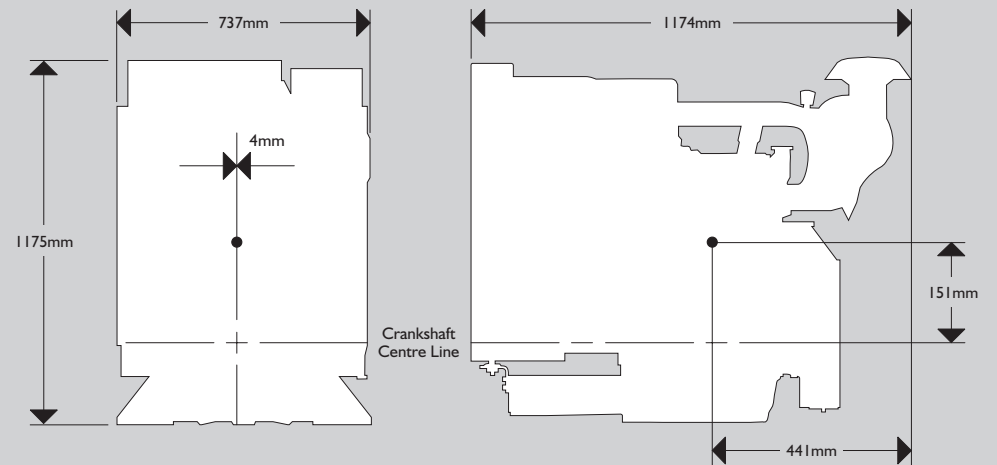
Low cost of ownership

High load acceptance

JCB Global Support

**GENERAL TECHNICAL DATA**

Model	Prime	Standby	
	448TAG-92		
Aspiration	TCA		
Emissions level	Stage IIIA		
<b>Calculated gen-set output:</b>			
kWe (1)	81	88	
kVA (2)	100	110	
Gross power	kWm	92	101
Net power	kWm	88	97
Thermodynamic cycle	Diesel 4 stroke		
Arrangement	In-line 4 cylinder		
Bore	mm (in)	106 (4.2)	
Stroke	mm (in)	135 (5.3)	
Total displacement	cm <sup>3</sup> (in <sup>3</sup> )	4765 (290.8)	
Valves per cylinder	4		
Injection system	Mechanical		
Cooling	Liquid		
Direction of rotation (viewed from crank nose)	Clockwise		
Minimum starting temperature without auxiliaries	°C (°F)	-10 (14)	
Dry weight	kg (lb)	595 (1311.8)	
<b>Notes</b>			
(1) kWe calculation assumes X% alternator efficiency	92%		
<b>Fuel consumption</b>			
110% load	l/h	26.5	
100% load	l/h	23.5	
75% load	l/h	17.8	
50% load	l/h	12.5	
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		1.16:1
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		40Nm
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.