## KEY FACTS

Integrated – Engineered – Power solution

High fuel efficency

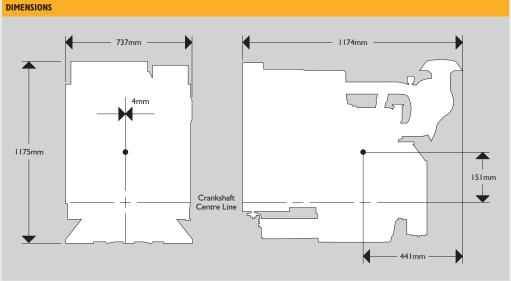
Low cost of ownership

High load acceptance

JCB Global Support

GENERAL TECHNICAL DATA			
Model		Prime	Standby
		448TAG-92	
spiration		TCA	
Emissions level		Stage IIIA	
Calculated gen-set output:			
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	cm³ (in³)	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)	
Notes			
(1) kWe calculation assumes X% alternator efficiency		92%	
Fuel consumption			
I I 0% 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





STANDARD CONFIGURATION	
Flywheel housing	SAE3
Intake manifold location	Left hand
Exhaust manifold / turbocharger location	Right hand
Rotational mass moment of inertia excluding flywheel kg	m <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

<sup>\*</sup>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.

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