## **KEY FACTS**

A compact and easy to install power solution

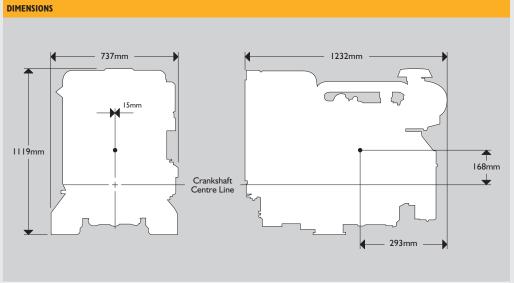
High fuel efficiency for low cost of ownership

High load acceptance for optimum performance

Supported with a global JCB distributor and dealer network

GENERAL TECHNICAL DATA			
Model		444TC	: <sub>-</sub> 74
Aspiration		TC.	
Emissions level		UN II (Stage II equivalent) & CPCB II	
Calculated gen-set output:		Prime Standby	
kWe (1)		64	70
kVA (2)		80	88
Gross power	kWm	74	82
Net power	kWm	71	78
Thermodynamic cycle		Diesel 4 stroke	
Arrangement		In-line 4 cylinder	
Bore	mm (in)	103 (4.1)	
Stroke	mm (in)	132 (5.2)	
Total displacement	cm³ (in³)	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)	570 (1257)	
Notes			
(1) kWe calculation assumes X% alternator efficiency		90%	
Fuel consumption			
l 10% load	I/h (g/kWh)	20.1 (207)	
100% load	I/h (g/kWh)	18.7 (208)	
75% load	I/h (g/kWh)	14.3 (216)	
50% load	I/h (g/kWh)	10.2 (232)	
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	kgm²	0.2255
Turbocharger		Wastegate
Fan drive ratios		1:1.16
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		60kW, 205Nm, 1.268:1 RHS
Power Take-off: Light Duty		15kW, 40Nm, 1.625:1 LHS
Finish		Lacquered
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\*Orientation from flywheel.

DIMENSIONS		
Length	mm (in)	1232 (48.5)
Width	mm (in)	737 (29)
Height	mm (in)	1119 (44.1)

## **OPTIONS**

Extensive range of configuration options available - please contact local JCB Power Systems Distibuter or JCB Power Systems Sales and Applications department for availability and configuration options.

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