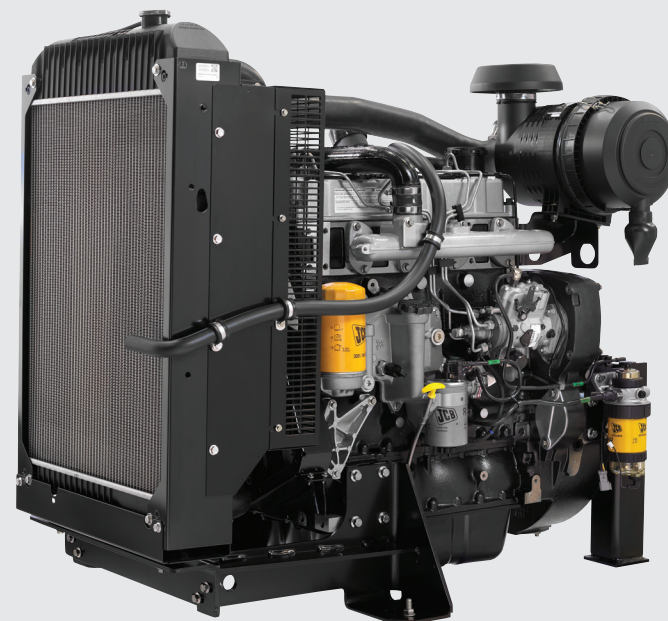
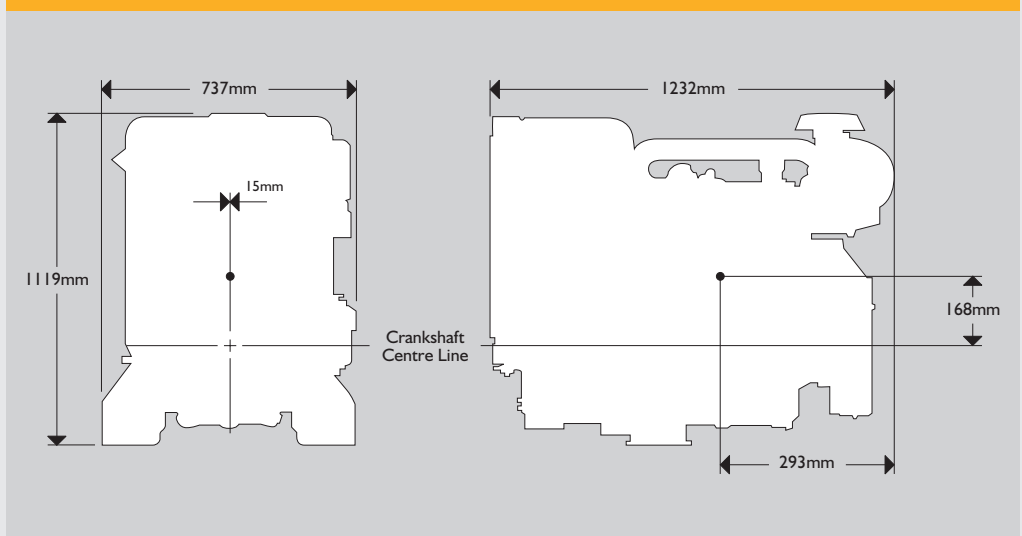


KEY FACTS

- 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	444TG - 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	cm ³ (in ³)	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) kW e calculation assumes X% alternator efficiency	90%		
Fuel consumption			
110% load	l/h (g/kWh)	20.1 (207)	
100% load	l/h (g/kWh)	18.7 (208)	
75% load	l/h (g/kWh)	14.3 (216)	
50% load	l/h (g/kWh)	10.2 (232)	
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 ²	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

*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 Distributer or JCB Power Systems Sales and Applications department for availability and configuration options.