

KEY FACTS

A compact and easy to install power solution

High fuel efficiency for low cost of ownership

High load acceptance for optimum performance

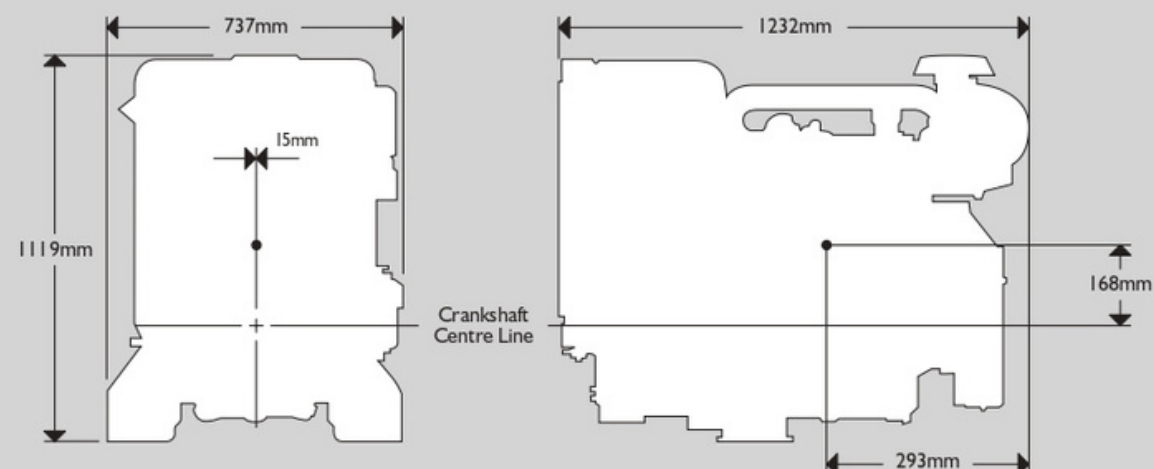
Supported with a global JCB distributor and dealer network

GENERAL TECHNICAL DATA

Model	444TG - 56		
Aspiration	TC		
Emissions level	Non Certified		
Calculated gen-set output:	Prime	Standby	
kWe (1)	48	53	
kVA (2)	60	66	
Gross power	kWm	56	62
Net power	kWm	53	58
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	91%		
Fuel consumption			
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 ²	0.2255
Turbocharger		Wastegate
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		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 Distributor or JCB Power Systems Sales and Applications department for availability and configuration options.



TEL : 0800 002 056

95 Katere Road, New Plymouth

2/355 Kahikatea Drive, Hamilton

www.pacepower.co.nz