KEY FACTS

A compact and easy to install power solution

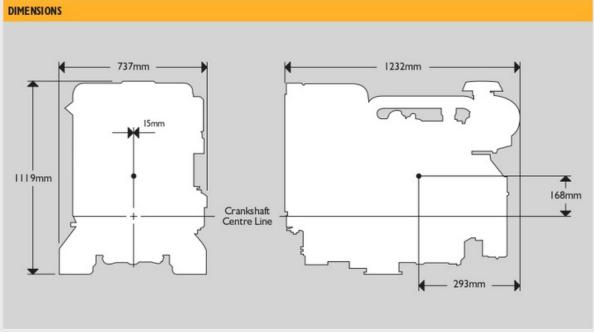
High fuel efficiency for low cost of ownership

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(I)		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		Med	hanical
Cooling		Lie	quid
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





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
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 Distibuter 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

©2020 JCB Sales. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any other means, electronic, mechanical, photocopying or otherwise, without prior permission from JCB Sales. All references in this publication to operating weights, sizes, capacities and other performance measurements are provided for guidance only and may vary dependant upon the exact specification of machine. They should not therefore be relied upon in relation to suitability for a particular application. Guidance and advice should always be sought from your JCB Dealer. JCB reserves the right to change specifications without notice. Illustrations and specifications shown may include optional equipment and accessories. The JCB logo is a registered trademark of JC Bamford Excavators Ltd.

