KEY FACTS

Integrated – Engineered – Power solution

High fuel efficency

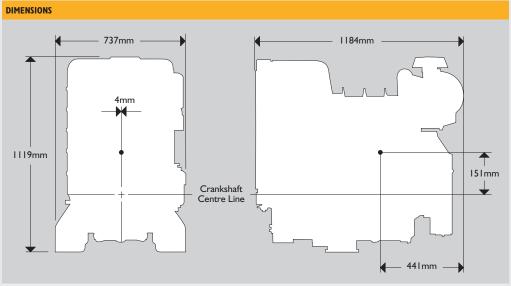
Low cost of ownership

High load acceptance

JCB Global Support

Model		Prime	Standby
		444NG	
Aspiration		NA	
Emissions level		Stage II	
Calculated gen-set output:			
kWe(I)		40	44
kVA (2)		50	55
Gross power	kWm	47	52
Net power	kWm	44	48
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)	565 (1245.6)	
Notes			
(1) kWe calculation assumes X% alternator efficiency		90%	
Fuel consumption			
I 10% load	I/h (g/kWh)	14.3 (234)	
100% load	I/h (g/kWh)	12.6 (232)	
75% load	I/h (g/kWh)	9.3 (225)	
50% load	I/h (g/kWh)	6.3 (228)	
Governing		ISO852	8 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		Central mounting
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		Closed
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		6.8kW
Finish		Lacquered
*Orientation from flourhead		

*Orientation from flywheel.

DIMENSIONS		
Length	mm (in)	1184 (46.6)
Width	mm (in)	737 (29)
Height	mm (in)	1119 (44.1)

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.

©2016 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 J C Bamford Excavators Ltd.

