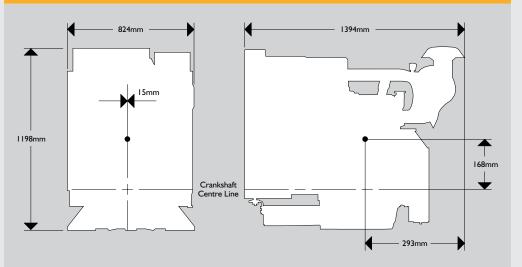
KEY FACTS

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		448TAG - 92	
Aspiration		TCA	
missions level		UN III (Stage IIIA equivalent) & CPCB I	
Calculated gen-set output:		Prime	Standby
kWe(I)		80	88
kVA (2)		100	110
Gross power	kWm	92	102
Net power	kWm	87	96
Thermodynamic cycle		Diesel 4 stroke	
Arrangement		In-line 4 cylinder	
Bore	mm (in)	106 (4.2)	
Stroke	mm (in)	135 (5.3)	
Total displacement	cm ³ (in ³)	4765 (290.8)	
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)	575 (1268)	
Notes			
(1) kWe calculation assumes X% alternator efficiency		92%	
Fuel consumption			
10% load	l/h	26.5	
100% load	l/h	23.5	
75% load	l/h	17.8	
50% load	l/h	12.5	
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	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		I 2V, 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.			

POWER SYSTEMS

DIMENSIONS		
Length	mm	1394
Width	mm	824
Height	mm	1198

OPTIONS

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

©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 J C Bamford Excavators Ltd.



ENGINE SPECIFICATION SHEET