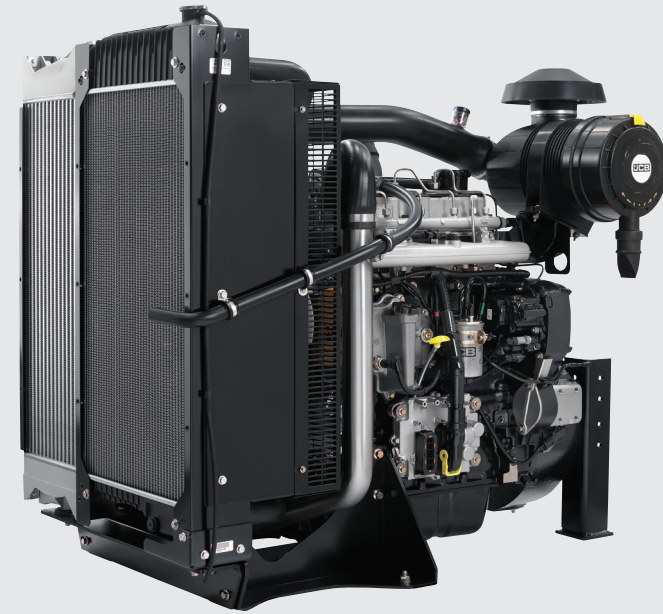
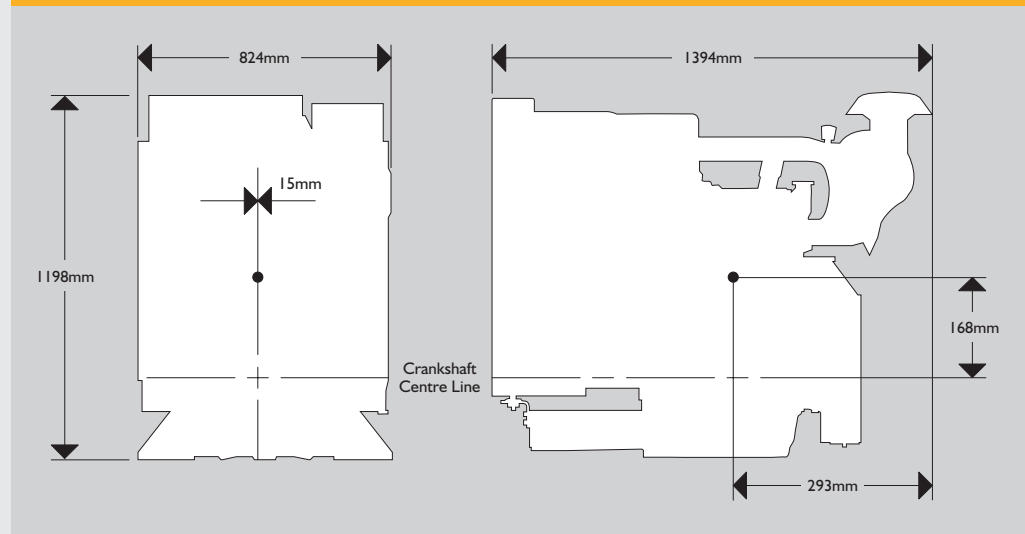


**KEY FACTS**

- 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	TCAG - 121		
Aspiration	TCAE		
Emissions level	UN III (Stage IIIA equivalent) & CPCB II		
Calculated gen-set output:	Prime	Standby	
kWe (1)	105	115	
kVA (2)	131	144	
Gross power	kWm	121	133
Net power	kWm	114	125
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 <sup>3</sup> (in <sup>3</sup> )	4765 (290.8)	
Valves per cylinder	4		
Injection system	Common rail		
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)	
<b>Notes</b>			
(1) kWe calculation assumes X% alternator efficiency	92%		
<b>Fuel consumption</b>			
110% load	l/h	31.8	
100% load	l/h	30.9	
75% load	l/h	23.5	
50% load	l/h	15.4	
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 <sup>2</sup>	0.24442
Turbocharger		Wastegate
Fan drive ratios		1:25.1
Distance between fan - crankshaft centres	mm (in)	356 (14)
Fuel filter		Engine mounted
Fuel lift pump		Electronic lift pump
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	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.