

KEY FACTS

Integrated – Engineered – Power solution

High fuel efficiency

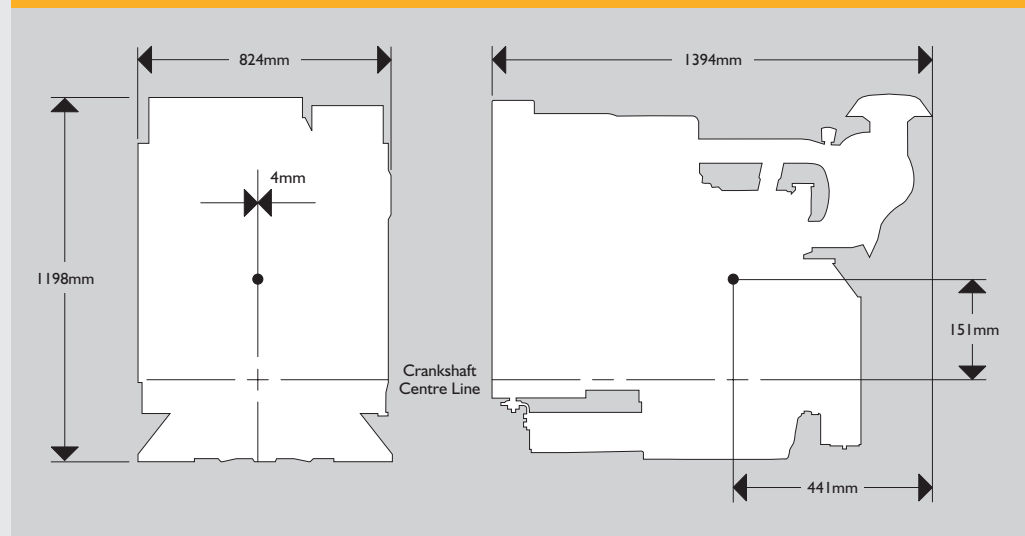
Low cost of ownership

High load acceptance

JCB Global Support

GENERAL TECHNICAL DATA

Model	Prime	Standby
	TCAG-121	
Aspiration	TCAE	
Emissions level	Stage IIIA	
Calculated gen-set output:		
kWe (1)	104	115
kVA (2)	130	144
Gross power	kWm	121
Net power	kWm	113
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	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)	605 (1333.8)
Notes		
(1) kWe calculation assumes X% alternator efficiency	92%	
Fuel consumption		
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 ²	0.24442
Turbocharger		Central mounting
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		Option (205Nm)
Power Take-off: Light Duty		40Nm
Finish		Lacquered

*Orientation from flywheel.

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.