## **KEY FACTS**

Integrated – Engineered – Power solution

High fuel efficiency

Low cost of ownership

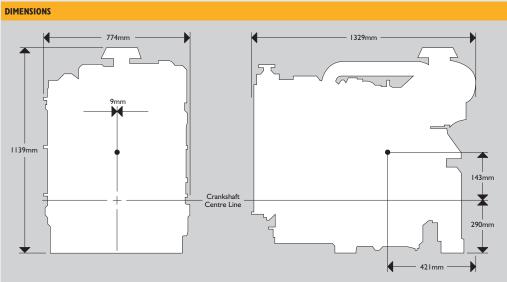
High torque at low speed

JCB Global Support

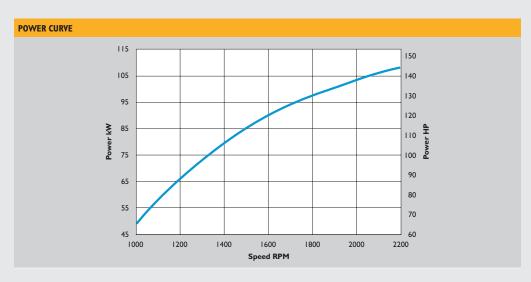
GENERAL TECHNICAL DATA		
Model		TCAE-108
Maximum rating (gross intermittent)	kW (hp)	108 (145)
Thermodynamic cycle		Diesel 4 stroke
Aspiration		TCA
Arrangement		In-line 4 cylinder IPU
Emissions level		EU Stage IIIA / EPA Tier 3
Bore	mm (in)	103 (4.1)
Stroke	mm (in)	132 (5.2)
Total displacement	cm³ (in³)	4399 (269)
Valves per cylinder		4
Injection system		Mechanical
Cooling		Liquid
Direction of rotation (viewed from crank nose)		Clockwise
Dry weight	kg (lbs)	596 (1314)
Rated speed	rpm	2200
Peak torque	Nm (lb-ft)	550 (406)
Peak torque speed	rpm	1500
Maximum no load governed speed	rpm	2420
Nominal idling speed	rpm	850
Minimum starting temperature without auxiliaries	°C (°F)	-20 (-4)
Gradability - continuous	degrees	35
Gradability - intermittent	degrees	45
*As per ISO 14396		

<sup>\*</sup>As per ISO 14396

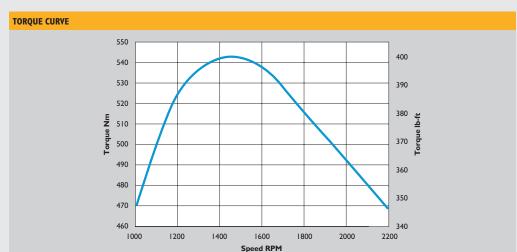








STANDARD CONFIGURATION		
Flywheel housing		SAE3
Intake manifold location		Left hand forward
Exhaust manifold / turbocharger location		Right hand rearward
Turbocharger		Wastegate controlled
Fan drive ratios		0.85, 1.1, 1.16, 1.25:1
Distance between fan - crankshaft centres	mm (in)	262 (10.3)
Fuel filter		Engine mounted
Fuel lift pump		Pre-filter with primary pump & WIF sensor
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.		



## 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.

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