

**KEY FACTS**

A compact and easy to install power solution

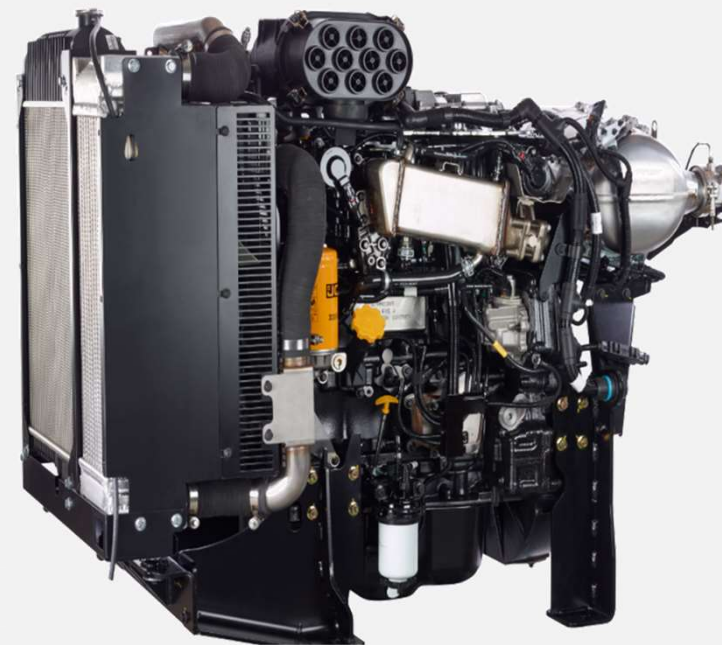
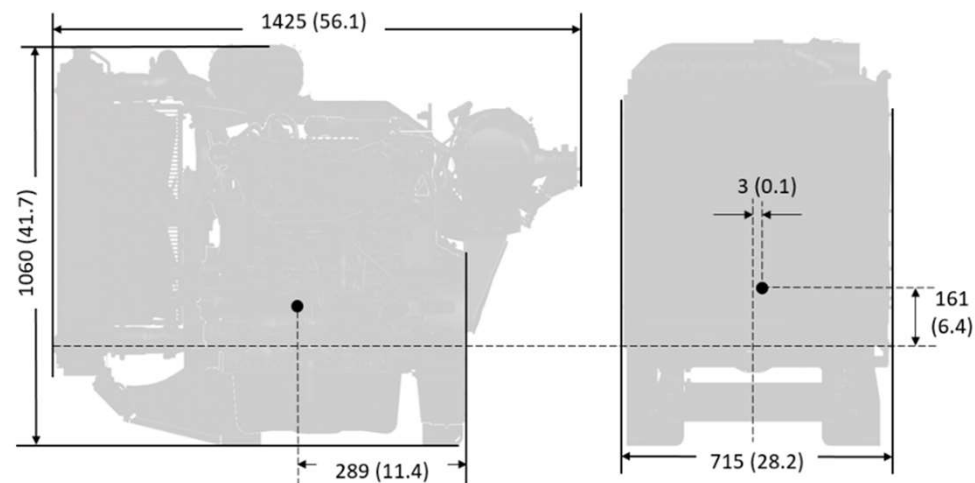
Single can DOC/DPF - no SCR system

High load acceptance for optimum performance

Supported with a global JCB distributor and dealership network

**GENERAL TECHNICAL DATA**

Model	430 TA5-55		
Aspiration	TCAE		
Emissions level	EU Stage V		
<b>Calculated output</b>	<b>Prime</b>	<b>Standby</b>	
kWe (1)	44	49	
kVA (2)	55	61	
Gross Engine Power	kWm	49	54
Net Engine Power	kWm	48	53
Thermodynamic cycle	Diesel 4 stroke		
Arrangement	In-line 4 cylinder		
Bore	mm (in)	92 (3.62)	
Stroke	mm (in)	112 (4.4)	
Total displacement	cm <sup>3</sup> (in <sup>3</sup> )	2978	
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)	-20 (-4)	
Dry Weight	kg (lbs)	550 (1213)	
Notes			
(1) kWe calculation assumes X% alternator efficiency	92%		
(2) kVA calculation uses 0.8 Power Factor			
<b>Fuel Consumption</b>			
110% load	l/h (gph)	13.5 (3.57)	
100% load	l/h (gph)	12.2 (3.22)	
75% load	l/h (gph)	9.1 (2.4)	
50% load	l/h (gph)	6.3 (1.66)	
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 flywl	kgm <sup>2</sup>	0.21141 (5.01684)
Turbocharger		Electronic Wastegate
Fan drive ratios		0.85:1
Distance between fan - crankshaft centres	mm (in)	320 (12.6)
Fuel filter		Engine mounted
Fuel lift pump		Electronic lift pump
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 (5.6hp)
Alternator		12V, 95A
Power Take-off: Heavy Duty		Optional
Power Take-off: Light Duty		N/A
Finish		Lacquered

\*Orientation from flywheel.

**DIMENSIONS**

Length	mm (in)	1425 (56.1)
Width	mm (in)	715 (28.1)
Height	mm (in)	1060 (41.7)

**OPTIONS**

Extensive range of configuration options available - contact local JCB Power Systems distributor, or JCB Power Systems sales and applications department for availability and configuration options.