## **KEY FACTS**

A compact and easy to install power solution

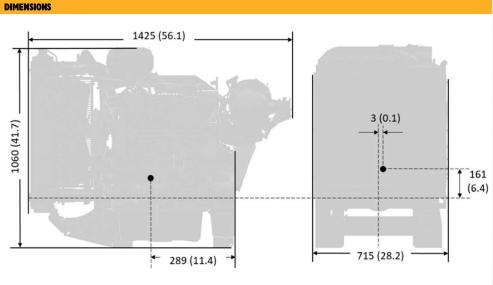
Single can DOC/DPF - no SCR system

High load acceptance for optimum performance

Supported with a global JCB distributor and dealership network

GENERAL TECHNICAL DATA				
Model		430 TA5-55		
Aspiration		TCAE		
Emissons level		EU Stage V		
Calculated output		Prime	Standby	
kWe(I)		49	49	
kVA (2)		61	61	
Gross Engine Power	kWm	54	54	
Net Engine Power	kWm	53	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	cm³ (in³)	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 effciency		92%		
(2) kVA calculation uses 0.8 Power Factor				
Fuel Consumption				
I 10% load	l/h (gph)	13.5 (3.57)		
100% load	I/h (gph)	12.2 (3.22)		
75% load	I/h (gph)	9.1 (2.4)		
50% load	l/h (gph)	6.3 (1.66)		
Governing		ISO8528	3 G2 Class	





STANDARD CONFIGURATION		
Flywheel housing		SAE3
Intake manifold location		Left hand
Exhaust manifold / turbocharger location		Right hand
Rotational mass moment of inertia excluding flywl	kgm²	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

<sup>\*</sup>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.

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