KEY FACTS

A robust and easy to install power solution

Compact engine mounted exhaust aftertreatment

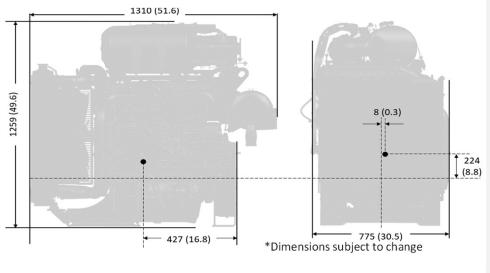
High load acceptance for optimum performance

Supported with a global JCB distrbutor and dealership network

GENERAL TECHNICAL DATA				
Model		448 TA5-81		
Aspiration		TCAE		
Emissons level		EU Stage V		
Calculated output		Prime	Standby	
kWe (I)		70	70	
kVA (2)		88	88	
Gross Engine Power	kWm	79	79	
Net Engine Power	kWm	77	77	
Thermodynamic cycle		Diesel 4 stroke		
Arrangement		In-line 4 cylinder		
Bore	mm (in)	106 (4.18)		
Stroke	mm (in)	135 (5.31)		
Total displacement	cm³ (in³)	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 (lbs)	675 (1488)		
Notes				
(1) kWe calculation assumes X% alternator effciency		92%		
(2) kVA calculation uses 0.8 Power Factor				
Fuel Consumption				
110% load	l/h (gph)	19.6 (5.18)		
100% load	l/h (gph)	17.6 (4.65)		
75% load	l/h (gph)	13.2 (3.49)		
50% load	l/h (gph)	9.1 (2.4)		
Governing		ISO8528	8 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	kgm²	0.24442 (5.8002)
Turbocharger		Electronic Wastegate
Fan drive ratios		1.16:1
Distance between fan - crankshaft centres	mm (in)	262 (10.3)
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		Left hand side
Starter motor		12V, 4.2kW (5.6hp)
Alternator		12V, 95A
Power Take-off: Heavy Duty		Optional
Power Take-off: Light Duty		15kW, 40Nm, 1.625:1 LHS
Finish		Lacquered

^{*}Orientation from flywheel.

DIMENSIONS			
Length	mm (in)	1310 (51.6)	
Width	mm (in)	775 (30.5)	
Height	mm (in)	1259 (49.6)	

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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