

KEY FACTS

A robust and easy to install power solution

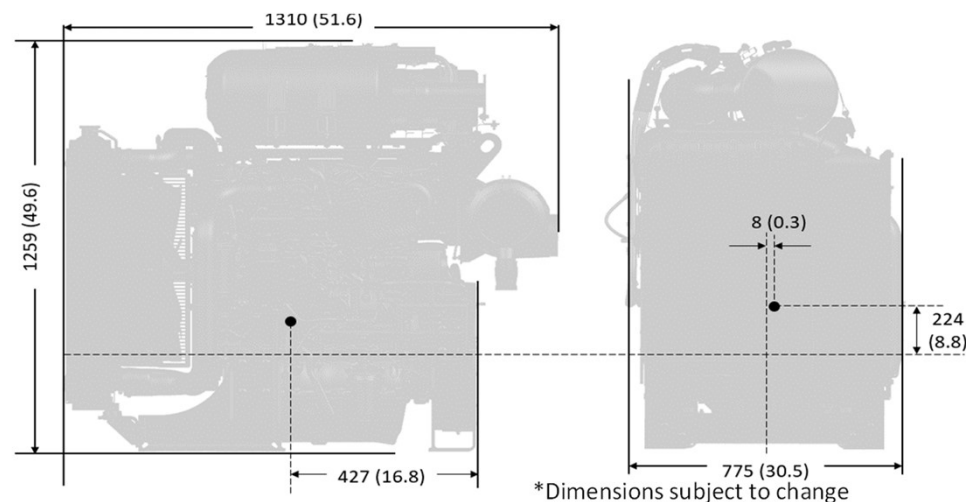
Compact engine mounted exhaust aftertreatment

High load acceptance for optimum performance

Supported with a global JCB distributor and dealership network

GENERAL TECHNICAL DATA

Model	448 TA5-81		
Aspiration	TCAE		
Emissions level	EU Stage V		
Calculated output	Prime	Standby	
kWe (1)	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	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 (lbs)	675 (1488)	
Notes			
(1) kWe calculation assumes X% alternator efficiency	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 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 ²	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.