KEY FACTS

Integrated – Engineered – Power solution

High fuel efficency

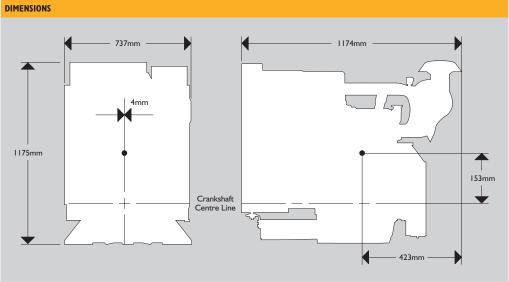
Low cost of ownership

High load acceptance

JCB Global Support

GENERAL TECHNICAL DATA				
Model		Prime	Standby	
		448TG-72		
Aspiration		TC		
Emissions level		Stage IIIA		
Calculated gen-set output:				
kWe(I)		62	69	
kVA (2)		78	86	
Gross power	kWm	72	80	
Net power	kWm	69	77	
Thermodynamic cycle		Diesel 4 stroke		
Arrangement		In-line 4 cylinder		
Bore	mm (in)	106 (4.2)		
Stroke	mm (in)	135 (5.3)		
Total displacement	cm³ (in³)	4765 (290.8)		
Valves per cylinder		4		
Injection system		Mechanical		
Cooling		Liquid		
Direction of rotation (viewed from crank nose)		Clockwise		
Minimum starting temperature without auxiliaries	°C(°F)	-10 (14)		
Dry weight	kg (lb)	566 (1247.8)		
Notes				
(I) kWe calculation assumes X% alternator efficiency		92%		
Fuel consumption				
110% load	l/h	21.1		
100% load	l/h	19.3		
75% load	l/h	15.0		
50% load	l/h	10.5		
Governing		ISO8528 G2 Class		





STANDARD CONFIGURATION		
Flywheel housing		SAE3
Intake manifold location		Left hand
Exhaust manifold / turbocharger location		Right hand
Rotational mass moment of inertia excluding flywheel	kgm²	0.2255
Turbocharger		Central mounting
Fan drive ratios		1.16:1
Distance between fan - crankshaft centres	mm (in)	356 (14)
Fuel filter		Engine mounted
Fuel lift pump		Mechanical with primer
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		Option (205Nm)
Power Take-off: Light Duty		40Nm
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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