# **CB** POWER SYSTEMS

# OEM G-DRIVE 4.8L 76kWm (97kVA) PRIME AT 50Hz

## KEY FACTS

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 TA5-97		
Aspiration		TCAE		
Emissons level		EU Stage V		
Calculated output		Prime	Standby	
kWe (I)		78	78	
kVA (2)		97	97	
Gross Engine Power	kWm	86	86	
Net Engine Power	kWm	84	84	
Thermodynamic cycle		Diesel 4 stroke		
Arrangement		In-line 4 cylinder		
Bore	mm (in)	106 (4.18)		
Stroke	mm (in)	35 (5.31)		
Total displacement	cm <sup>3</sup> (in <sup>3</sup> )	4765 (290.8)		
Valves per cylinder		4		
Injection system		Common rail		
Cooling		Liquid		
Direction of rotation (viewed from crank nose)		Clocky	wise	
Minimum starting temperature without auxiliaries	°C (°F)	-12 (10)		
Dry Weight	kg (lbs)	675 (1488)		
Notes				
I) kWe calculation assumes X% alternator effciency		92%		
2) kVA calculation uses 0.8 Power Factor				
Fuel Consumption				
110% load	l/h (gph)	21.8 (5.76)		
100% load	l/h (gph)	19.3 (5.1)		
75% load	l/h (gph)	14.3 (3.78)		
50% load	l/h (gph)	9.7 (2.56)		
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 flywł	kgm <sup>2</sup>	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	

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\*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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### **G-DRIVE ENGINE SPECIFICATION SHEET**