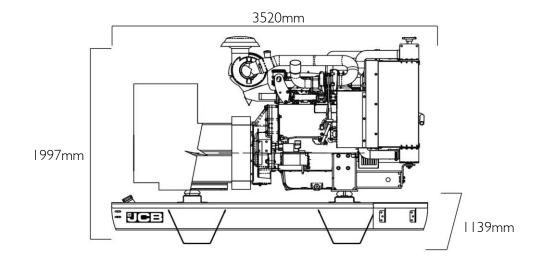
G370S | Open Set







DIESEL GENERATOR

ELECTRICAL									
			Pri	me	Star	ndby			
Frequency (Hz)	Phases	Voltage (V)	kVA	kW	kVA	kW	Power Factor	Rated Speed (RPM)	Alternator
50	3	400/230V	350	280	370	296	0.8	1500	ECO38-3L/4A
60	3	480/277V	400	320	440	352	0.8	1800	ECO38-3L/4A
60	3	220/127V	400	320	440	352	0.8	1800	ECO40-1S/4B
60	3	208/120V	400	320	440	352	0.8	1800	ECO40-1S/4B

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS

PRIME POWER: This rating is for the supply of continuous electrical power at variable load with 70% load factor in lieu of commercially purchased power. There is no limitation on the annual hours of operation and 10% over load power can be supplied for 1 hour in 12.

STANDBY POWER: This rating is for the supply of continuous electrical power, at variable load, in the event of a utility power failure. No overload is permitted. The average power output during a 24h period shall not exceed 80%. Operating hours are limited to 500h per annum with continuous operation to not exceed 300 hours

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100% Load Standby



ENGINE				
	1500 RPM			
Output Rating (PRP)	kW	303		
Output Rating (Standby)	kW	333		
	1800 RPM			
Output Rating (PRP)	kW	345		
Output Rating (Standby)	kW	377		
Manufacturer and Model		Volvo TAD	342GE	
Fuel		Diese	2	
Injection		Direc	t	
Aspiration		Turbo Ch	arged	
Cylinders		6		
Bore and Stroke	mm	3 x 58		
Displacement	L	12.78		
Cooling		Water		
Engine Oil Specification		API CH4 I	5W 40	
Compression Ratio		18.1 :	T	
Engine Oil Capacity	L	36.0	36.0	
Coolant Capacity	L	24.0		
Governor		Electro	nic	
Air Filter		2 Stage		
Lube Oil Consumption @ 100%	L/hr	0.04		
FUEL CONSUMPTION				
100% Load Prime	L/h		70.0	
75% Load Prime	L/h	52.6		
50% Load Prime	L/h	50Hz	36.6	
100% Load Standby	L/h	74.3		
100% Load Prime	L/h		87.I	
75% Load Prime	L/h		64. I	
50% Load Prime	L/h	60Hz	44.0	

L/h

AIR SYSTEM

Combustion Air Flow 100% Standby	m³/h		1554
Radiator Cooling Air Flow 100% Standby	m ³ /s		4.85
Alternator Fan Airflow	m³/s	50Hz	0.53
Radiator Duct Allowance	mmwg		28
Max Air On Temperature	°C		50
Combustion Air Flow 100% Standby	m³/h		1722
Radiator Cooling Air Flow 100% Standby	m ³ /s	60Hz	7.3
Alternator Fan Airflow	m ³ /s		0.65
Radiator Duct Allowance	mmwg		30
Max Air On Temperature	°C		30
EXHAUST SYSTEM			
Maximum Temperature 100% Standby	°C		408
Exhaust Gas Flow 100% Standby	m³/m	50Hz	57.0
Maximum Allowed Back Pressure	mbar		100
Maximum Temperature 100% Standby	°C		481
Exhaust Gas Flow 100% Standby	m³/m	60Hz	69.5
Maximum Allowed Back Pressure	mbar		100
FUEL SYSTEM			
	Material	Capacity	′ (L)
Standard Tank	Steel	634	
Extended Tank (12hr)	Steel	870	
Extended Tank (24hr)	Steel	1740	
Diesel Specification		EN59	0
SOUND PRESSURE			
LpA (1m) 100% Standby	dB(A)	50Hz	102.5
LpA (1m) 100% Standby	dB(A)	60Hz	104.4

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ALTERNATOR				
Poles	4			
Winding Connections	Series Star*			
Insulation	Class H			
Enclosure	IP23			
Exciter System	MAUX Excitation			
Voltage Regulator	AVR - DSR			
Steady State Voltage Regulation	+/- 1.0%*			
Bearing	Single bearing sealed			
Coupling	Flexible disc			
Cooling	Direct drive centrifugal blower fan			
Coating	Winding Protection Grey			
*Depending on voltage selection				

ELECTRICAL FEATURES

MAUX Excitation		•
PMG Excitation		Δ
Anti-Condensation Heater		Δ
Moulded Case Circuit Breaker (3 Pole)		•
Moulded Case Circuit Breaker (4 Pole)		Δ
Motorised Circuit Breaker		Δ
Earth Leakage Protection		Δ
Alternate Voltages		Δ
Emergency Stop Button		•
Static Battery Charger		Δ
Battery Isolator		Δ
Standard: • Not Available: x	Optional: Δ	

MECHANICAL FEATURES				
Electronic Governor			•	
Coolant Level Sender			•	
Radiator Guards			•	
Hot Component Guards			Δ	
Manual Oil Drain Pump			Δ	
Water Jacket Heater	Δ			
Pre-Filter with Separator	•			
Fuel Level Sender	•			
3 Way Fuel Valve and Coupling Nest	Δ			
Bunded Base Tank	•			
Exhaust Bellows			Δ	
Industrial Silencer			Δ	
Residential Silencer	х			
Fork Pockets			•	
Standard: •	Not Available: x	Optional: 2	7	

STARTING SYSTEM				
Starting Battery		Δ		
Battery Type		Lead Acid		
Battery Capacity	Ah	125		
Number of Batteries		2		
Auxiliary Voltage	\vee	24		
Starter Motor	kW	7.0		
Standard: • N	lot Available: x	Optional: Δ		



JCB COMMUNICATION AND CONTROL

DSE 7310 – Auto Start	•
DSE 7320 – Auto Start with Mains Sensing	х
DSE 8610 – Set to Set Synchronisation	Δ
DSE 8620 – Set to Mains Synchronisation	Δ
JCB LiveLink	Δ
RS232 Connection	•
RS485 Connection	•
Bund Leak Alarm	Δ
High Engine Temperature Shutdown	•
Low Oil Pressure Shutdown	•
Common Alarm Volt Free Contact	Δ
Generator Running Volt Free Contact	Δ
Standard: • Not Available: x Optional:	Δ

WEIGHT AND DIMENSIONS				
Length	mm	3520		
Width	mm	1139		
Height	mm	1997		
Shipping Volume (sea ready)	m ³	8.01		
Weight*	Kg	3460		

*Standard build with all fluids except fuel

REFERENCE STANDARDS

JCB Generators are CE certified and conform to the following Directives (subject to a country requiring such standard):

- EN 12100, EN 13857, EN 60204
- 2006/42/CE Machinery safety
- 2006/95/EC Low voltage
- 2004/108/CE Electromagnetic compatibility
- 2000/14/EC Sound Power Level (amended by 2005/88/EC)
- 97/68/EC Emissions(amended by 2002/88/EC & 2004/26/EC)
- Power according to ISO 8528 and ISO 3046
- Ambient reference conditions 1000mbar, 25°C, 30% relative humidity ISO3046
- Based on diesel fuel with a specific gravity of 0.85 and conforming to BSEN590

Information based on standard specification equipment unless otherwise stated.