



3520mm 1997mm

DIESEL GENERATOR

	ГΟΙ	$\sim \Lambda$	
EL		ICA	L

			Pri	me	Star	ndby			
Frequency (Hz)	Phases	Voltage (V)	kVA	kW	kVA	kW	Power Factor	Rated Speed (RPM)	Alternator
50	3	400/230V	300	240	330	264	0.8	1500	ECO38-2L/4A
60	3	480/277V	340	272	375	300	0.8	1800	ECO38-2L/4A
60	3	220/I27V	340	272	375	300	0.8	1800	ECO38-3L/4A
60	3	208/I20V	335	268	368	295	0.8	1800	ECO38-3L/4A

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



ENGINE				
	1500 RPM			
Output Rating (PRP)	kW	271		
Output Rating (Standby)	kW	298		
1 0 7/	1800 RPM			
Output Rating (PRP)	kW	287		
Output Rating (Standby)	kW	317	317	
Manufacturer and Model		Volvo TAD I	341GE	
Fuel		Diese	el	
Injection		Direc	t	
Aspiration		Turbo Ch	arged	
Cylinders		6		
Bore and Stroke	mm	131 x 158		
Displacement	L	12.78		
Cooling		Wate	r	
Engine Oil Specification		API CH4 I		
Compression Ratio		18.1 : 1		
Engine Oil Capacity	L	36.0		
Coolant Capacity	L	24.0		
Governor		Electronic		
Air Filter		2 Stage		
Lube Oil Consumption @ 100%	L/hr	0.04		
FUEL CONSUMPTION				
100% Load Prime	L/h		60.4	
75% Load Prime	L/h	50Hz	45.7	
50% Load Prime	L/h	SUHZ	32.2	
100% Load Standby	L/h		66.9	
100% Load Prime	L/h		72.1	
75% Load Prime	L/h	601 I-	54.1	
50% Load Prime	L/h	60Hz	37.7	
100% Load Standby	L/h		79.2	

AIR SYSTEM			
Combustion Air Flow 100% Standby	m³/h		1446
Radiator Cooling Air Flow 100% Standby	m ³ /s		TBA
Alternator Fan Airflow	m³/s	50Hz	0.53
Radiator Duct Allowance	mmwg		TBA
Max Air On Temperature	°C		TBA
Combustion Air Flow 100% Standby	m³/h		1740
Radiator Cooling Air Flow 100% Standby	m ³ /s		6
Alternator Fan Airflow	m ³ /s	60Hz	0.65
Radiator Duct Allowance	mmwg		25
Max Air On Temperature	оС		25
EXHAUST SYSTEM			
Maximum Temperature 100% Standby	°C		414
Exhaust Gas Flow 100% Standby	m³/m	50Hz	52.0
Maximum Allowed Back Pressure	mbar		100
Maximum Temperature 100% Standby	°C		403
Exhaust Gas Flow 100% Standby	m³/m	60Hz	62.0
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	102.0
LpA (Im) 100% Standby	dB(A)	60Hz	104.5



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			X
Fork Pockets			•
Standard: ● N	lot Available: x	Optional: 4	7
STARTING SYSTEM			
Starting Battery			Δ
Battery Type		L	ead Acid
Battery Capacity	Ah		125
Number of Batteries			2
Auxiliary Voltage	V		24

kW

Not Available: x

Starter Motor

Standard: •

7.0

Optional: Δ



JCB COMMUNICATION AND CONTROL	
DSE 7310 – Auto Start	•
DSE 7320 – Auto Start with Mains Sensing	X
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, EN13857, EN60204
- 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.