



POWER GENERATION SYSTEMS

TECHNICAL DATA SHEET

S10KS

02-17/2011

A

CAPACITY		Unit
Standby @ 40°C	8.8	kW
Standby @ 40°C	11	kVA
Standby @ 50°C	8.2	kW
Standby @ 50°C	10.3	kVA
Prime Power @ 40°C	8	kW
Prime Power @ 40°C	10	kVA
Prime Power @ 50°C	7.5	kW
Prime Power @ 50°C	9.4	kVA
Full load Amps	41.6	A
No of Phases	1	
Voltage	240	V
Altitude	<1000	m
Altitude Deration Factor	1.5% per 100m	
Single Step Load Acceptance	8	kW
Maximum Starting kVA @ 30% Voltage Dip	22	kVA

ENGINE		Unit
Engine Model	D1105-BG	
Engine Manufacturer	Kubota	
Number of Cylinders	3	
Cylinder Arrangement	Vertical	
Cycle	Four stroke	
Aspiration	Naturally aspirated	
Compression Ratio	24:1	
Bore	78	mm
Stroke	78.4	mm
Cubic Capacity	1.123	Litres
Tier	2	

POWER OUTLETS	Qty	Protection		
		C/Breaker	RCD	
Amps / No of Poles / Brand				
15 Amp Single Phase Auto Switched	2	16Amps/2pole/GWR		
20 Amp Single Phase Man Switched	1	20Amps/2pole/GWR		
20 Amp Three Phase Man Switched	0			
32 Amp Three Phase Man Switched	0			
50 Amp Three Phase Man Switched	0			
63 Amp Three Phase Man Switched	0			
Australian Complaint Clipsal, ABL Surum, PDL outlets		Yes		
Battery Charger	1	10/2/GWR		
RCD Test Outlet	1	2/2/GE		
Hard Wire Mains Terminals	1	10/2/GWR		
Main Circuit Breaker	1	50/2/GE		
Ability to lock off main circuit breaker		Yes		
RCD Relay	1	Schneider RH99P		
Adjustable mA Range/Adjustable Time Range/Factory Setting (mA/Time)		0.03-30A	0-4.5s	30mA /0S
Auxiliary Mounted Shunt Mechanism		NHP/shunt		
Make/Model		trip		
10 amp test outlet with momentary				Yes
2 & 3 Pole RCDs 30mA each outlet				Yes
ELR Test Facility				Yes
Lockable Isolating Switch Outlet Board				Yes
External Emergency Stop (Yellow)				Yes
Panel Emergency Stop				No
Cable Gland Access Plate				Yes
GPOs Isolator	1	50/2/GE		

EXHAUST		Unit
Maximum Back Pressure	7.07	kPa
Exhaust Outlet Size and Insulation Details	63	mm
Exhaust Lagging Inside Engine Area with Turbo Guard	Yes	
Spark Arrester	8.6m ³ /min/Universal/2.5" Imperial	

ALTERNATOR		Unit
Alternator Model	LSA 40 VS2/1P	
Alternator Manufacturer	LEROY SOMER	
Type	Tropical	
Excitation Type	AREP	
Voltage Regulator	R220	
Voltage Regulation	±0.5	%
Winding Connection	12	
Insulation	CLASS H	
Protection	Class 4 Tropicalised	
12 Wire Reconnectable	Yes	
2/3 Pitch	Yes	
3 Phase Sensing	No	
Rated Power Factor	0.8	
Frequency	50	Hz

ELECTRICAL CONTROLS		Unit
Controller Type/Model	ComAp/AMF25NT	
2-Wire Start Remote Controller (No Keys; Single Machine Island Operation Only)	Yes(Read from the controller)	
Program No	CH001	
Factory Default Parameters	Supplied separately	

FUEL		Unit
Speed Governor	Mechanical	
Fuel Consumption @ Full Load	2.3	L/Hr
Fuel Consumption @ 75% Load	1.7	L/Hr
Fuel Consumption @ 50% Load	1.3	L/Hr
Running Time @ Full Load	81	Hours
Running Time @ 75% Load	110	Hours
Fuel tank capacity	188	Litres

DIMENSIONS		Unit
Length	2390	mm
Width	1080	mm
Height	1490	mm
Dry Weight	950	kg
Wet Weight	1120	kg

NOISE		Unit
Sound Level at 7m @ Full Load	66.2	dB(A)
Sound Level at 7m @ 75% Load	64	dB(A)

PROTECTIONS		Unit
High Coolant Temperature	Yes	
Low Oil Pressure	Yes	
Low Coolant Level	Yes	
Overcurrent Protection at Prime Rating	Yes	
Overspeed	Yes	
Underspeed	Yes	