



POWER GENERATION SYSTEMS

TECHNICAL DATA SHEET

\$15KS

02-17/2011

A

CAPACITY		Unit
Standby @ 40°C	13.2	kW
Standby @ 40°C	16.5	kVA
Standby @ 50°C	12.1	kW
Standby @ 50°C	15.4	kVA
Prime Power @ 40°C	12	kW
Prime Power @ 40°C	15	kVA
Prime Power @ 50°C	11	kW
Prime Power @ 50°C	14	kVA
Full load Amps	62.4	A
No of Phases	1	
Voltage	240	V
Altitude	<1000	m
Altitude Deration Factor	1.5% per 100m	
Single Step Load Acceptance	12	kW
Maximum Starting kVA @ 30% Voltage Dip	44	kVA

ENGINE		Unit
Engine Model	D1703-BG	
Engine Manufacturer	Kubota	
Number of Cylinders	3	
Cylinder Arrangement	Vertical	
Cycle	Four stroke	
Aspiration	Naturally aspirated	
Compression Ratio	23:1	
Bore	87	mm
Stroke	92.4	mm
Cubic Capacity	1.647	Litres
Tier	2	

POWER OUTLETS	Qty	Protection	
		C/Breaker	RCD
Amps/No of Poles/Brand			
15 Amp Single Phase Auto Switched	2	16/2/GWR	
20 Amp Single Phase Man Switched	1	20/2/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	63/2/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 NHP/shunt trip	30mA /0S
Auxiliary Mounted Shunt Mechanism Make/Model			
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	63/2/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 L7/1P	
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; with Instrumentation V, A, HZ, WT, OP)	Yes(Read from the controller)	
Battery Charge Indicator/Failure		
Single Machine Island Operation Only	Yes	
Program No		
Factory Default Parameters	Supplied separately	

FUEL		Unit
Speed Governor	Mechanical	
Fuel Consumption @ Full Load	3.25	L/Hr
Fuel Consumption @ 75% Load	2.5	L/Hr
Fuel Consumption @ 50% Load	1.8	L/Hr
Running Time @ Full Load		Hours
	57	
Running Time @ 75% Load	75	Hours
Fuel tank capacity	188	Litres

DIMENSIONS		Unit
Length	2390	mm
Width	1080	mm
Height	1490	mm
Dry Weight	1048	kg
Wet Weight	1220	kg

NOISE		Unit
Sound Level at 7m @ Full Load	66.7	dB(A)
Sound Level at 7m @ 75% Load	65.5	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	