



TECHNICAL DATA SHEET

S150PS

POWER GENERATION SYSTEMS

02-14/2011

A

CAPACITY		Unit
Standby @ 40°C	132	kW
Standby @ 40°C	165	kVA
Standby @ 50°C	124.3	kW
Standby @ 50°C	155.1	kVA
Prime Power @ 40°C	120	kW
Prime Power @ 40°C	150	kVA
Prime Power @ 50°C	113	kW
Prime Power @ 50°C	141	kVA
Full load Amps	208.6	A
No of Phases	3	
Voltage	415/240	V
Altitude	<1000	m
Altitude Deration Factor	1.0% per 100m	
Single Step Load Acceptance	54	kW
Maximum Starting kVA @ 30% Voltage Dip	390	kVA

ENGINE		Unit
Engine Model	1006TAG2	
Engine Manufacturer	Perkins	
Number of Cylinders	6	
Cylinder Arrangement	Vertical in-line	
Cycle	Four stroke	
Aspiration	Turbocharged,air-to-air charge	
Compression Ratio	17.0:1	
Bore	100	mm
Stroke	127	mm
Cubic Capacity	5.99	Litres
Tier	N.A.	

EXHAUST		Unit
Maximum Back Pressure	N.A.	kPa
Exhaust Outlet Size and Insulation Details	63	mm
Exhaust Lagging Inside Engine Area with Turbo Guard	Yes	
Spark Arrester	38m ³ /min/Universal/2.5" Imperial	

POWER OUTLETS	Qty	C/Breaker Amps/No of Poles/Brand	Protection RCD	
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	1	20/3/GWR	40/4/GWR	
32 Amp Three Phase Man Switched	0			
50 Amp Three Phase Man Switched	2	50/3/GE	63/4/GWR	
63 Amp Three Phase Man Switched	1	63/3/GE	63/4/GWR	
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	10/3/GWR	40/4/GWR	
Main Circuit Breaker	1	250/3/Schnei der		
Ability to lock off main circuit breaker			Yes	
RCD Relay	1		Schneider RH99P	30mA /0S
Adjustable mA Range/Adjustable Time Range/Factory Setting (mA/Time)		0.03-30A	0-4.5s	
Auxiliary Mounted Shunt Mechanism Make/Model	0			
10 amp test outlet with momentary pushbutton			Yes	
2 & 3 Pole RCDs 30mA each outlet			Yes	
ELR Test Facility			Yes	
Lockable Isolating Switch Outlet Board			Yes	
External Emergency Stop (Yellow Background Ring)			Yes	
Panel Emergency Stop			No	
Cable Gland Access Plate			Yes	
GPOs Isolator	1	250/3/Schnei der		

ALTERNATOR		Unit
Alternator Model	LSA 44.2 M95	
Alternator Manufacturer	LEROY SOMER	
Type	Tropical	
Excitation Type	AREP	
Voltage Regulator	R438	
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	Yes	
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	
Battery Charge Indicator/Failure Single Machine Island Operation Only	Yes	
Program No	TBA	
Factory Default Parameters	Supplied separately	

DIMENSIONS		Unit
Length	3540	mm
Width	1140	mm
Height	1800	mm
Dry Weight	2354	kg
Wet Weight	2910	kg

NOISE		Unit
Sound Level at 7m @ Full Load	77.1	dB(A)
Sound Level at 7m @ 75% Load	73.3	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	