



POWER GENERATION SYSTEMS

TECHNICAL DATA SHEET

S135PS

02-17/2011

A

CAPACITY		Unit
Standby @ 40°C	120	kW
Standby @ 40°C	150	kVA
Standby @ 50°C	83	kW
Standby @ 50°C	103	kVA
Prime Power @ 40°C	108	kW
Prime Power @ 40°C	135	kVA
Prime Power @ 50°C	102	kW
Prime Power @ 50°C	127	kVA
Full load Amps	187.8	A
No of Phases	3	
Voltage	415/240	V
Altitude	<1000	m
Altitude Deration Factor	1.0% per 100m	
Single Step Load Acceptance	51	kW
Maximum Starting kVA @ 30% Voltage Dip	280	kVA

ENGINE		Unit
Engine Model	1006TAG	
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	Yes	
Guard		
Spark Arrester	38m ³ /min/Universal/2.5" Imperial	

POWER OUTLETS	Qty	Protection		Unit
		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	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 Compliant 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/Schneider		
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	0			
Make/Model				
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		Yes		
Panel Emergency Stop		No		
Cable Gland Access Plate		Yes		
GPOs Isolator	1	250/3/Schneider		

ALTERNATOR		Unit
Alternator Model	LSA44.2 VS45	
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) Battery	Yes	
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	2284	kg
Wet Weight	2840	kg

NOISE		Unit
Sound Level at 7m @ Full Load	77	dB(A)
Sound Level at 7m @ 75% Load	72	dB(A)

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