

100PS



SG ENERGY

FREQUENCY	PHASE	VOLTAGE	PRP (PRIME)	ESP (STANDBY)	POWER FACTOR	MCB RATING	RPM
50Hz	3	415 VAC	100KVA / 80KW	110KVA / 88KW	0.8	139A	1500

CANOPY / SKID

- 2MM GALVANISED STEEL CANOPY
- HIGH QUALITY POLYESTER POWDER COAT FINISH UV RESISTANT
- LOCKABLE MAINTENANCE ACCESS DOORS
- CONTROL PANEL VIEWING WINDOW
- FORK POCKETS INTEGRATED INTO ROBUST SKID BASE
- MANUAL OIL DRAIN PUMP
- MECHANICAL COMPONENT GUARDS
- HOT COMPONENT GUARDS
- SINGLE LIFT POINT
- DOOR OPEN STAYS
- FULLY BUNDED BASE FRAME
- SOUND PROOFING - HIGH DENSITY ROCKWOOL
- LONG RUN INTEGRATED DIESEL TANK
- 50 DEGREE COOLING PACKAGE
- ANTI VIBRATION MOUNTS
- SINGLE & THREE PHASE RCD PROTECTED OUTLETS

WEIGHT & DIMENSIONS

LENGTH: 2800MM WIDTH: 1166MM HEIGHT: 1872MM WEIGHT: 2305 KG

SOUND PRESSURE LEVEL

SOUND PRESSURE LEVEL @ 75% LOAD - FREE FIELD - 67 DB(A) @ 7 METERS

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS ISO 8528

- **STANDBY:** 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.E TO STANDARD REFERENCE CONDITIONS ISO 8528
- **PRIME:** THIS RATING IS FOR THE SUPPLY OF CONTINUOUS ELECTRICAL POWER, AT VARIABLE LOAD, IN LIEU OF COMMERCIALY PURCHASE POWER. THERE IS NO LIMITATION ON THE ANNUAL HOURS OF OPERATION AND 10% OVER LOAD POWER CAN BE SUPPLIED FOR 1 HOUR IN 12.

ALTERNATOR MECCE ALTE ECP34 2S4C

• POLES	4
• WINDING CONNECTIONS	STAR
• INSULATION	CLASS H
• INGRESS PROTECTION	IP23
• EXCITER SYSTEM	BRUSHLESS ELECTRONIC
• VOLTAGE REGULATOR	DSR
• STEADY STATE VOLTAGE REGULATION	+/- 1.0%
• BEARING	SINGLE BEARING SEALED
• COUPLING	FLEXIBLE DISC
• COOLING	DIRECT DRIVE CENTRIFUGAL BLOWER FAN
• COATING	WINDING PROTECTION GREY



ENGINE PERKINS 1104C-44TAG2

• RPM	1500
• FUEL	DIESEL
• INJECTION	DIRECT
• ASPIRATION	TURBOCHARGED (AIR TO AIR CHARGE COOLED)
• CYLINDERS	4 - IN LINE FIRING ORDER 1, 3, 4, 2
• BORE & STROKE	105 * 127 MM
• DISPLACEMENT	4.4 LITRES
• COMPRESSION RATIO	18.23:1
• ENGINE OIL CAPACITY	8.0 LITRES
• COOLANT CAPACITY	12.6 L WITH RADIATOR / 7.0 L WITHOUT RADIATOR
• GOVERNOR	ELECTRONIC
• SPEED VARIATION AT CONSTANT LOAD	± 0.5%
• AIR FILTER	2 STAGE CYLONIC/PAPER ELEMENT
• STARTING SYSTEM	ELECTRIC STARTING
• STARTING SUPPORT	GLOW PLUGS



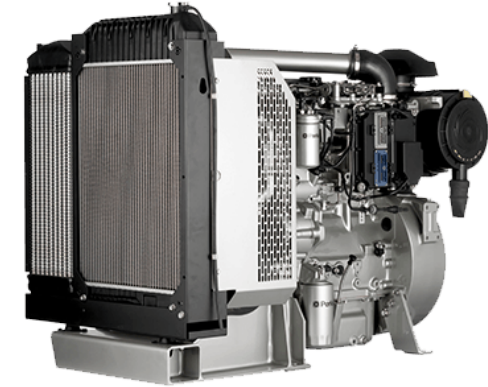
SGENERGY TECHNICAL SPECIFICATIONS.

TEL: 1300 350 706. WWW.SGENERGY.COM.AU

SGE RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE. ILLUSTRATIONS SHOWN MAY INCLUDE OPTIONAL EQUIPMENT AND ACCESSORIES

Electrical System & Control

• DSE 7320 MK11 CONTROLLER	DEEP SEA ELECTRONICS
• SCHNEIDER 4 POLE 160 AMP CIRCUIT BREAKER	SCHNEIDER
• BATTERY ISOLATOR	LOCKABLE
• 240 VOLT BATTERY CHARGER (MAX.CURRENT 2A)	SMARTGEN
• STARTER MOTOR	3 kW
• BATTERY CAPACITY	80 AH
• NUMBER OF BATTERIES	QTY 1
• AUXILIARY VOLTAGE	12 VDC
• CHARGING ALTERNATOR	12 VOLTS N (OUTPUT 360 WATTS 30 AMPS)
• 2 WIRE REMOTE START	
• ENGINE BLOCK JACKET HEATER	
• FUEL SENDER	RESISTIVE
• EMERGENCY STOP	1



Electrical Outlets

- 2 x 15A SINGLE PHASE WEATHERPROOF OUTLETS & 1 x 32A THREE PHASE WEATHERPROOF OUTLETS PROTECTED BY SCHNEIDER RCBO & 1 x 50A 3 PHASE WEATHERPROOF OUTLET (NOT PROTECTED)
- 1 x 3 PHASE HARD WIRE TERMINAL POSTS

Fuel Consumption

• 100% LOAD PRIME	22.8 L/HR	• 100% LOAD STANDBY	25.1 L/HR
• 75% LOAD PRIME	17.1 L/HR	• 75% LOAD STANDBY	18.8 L/HR
• 50% LOAD PRIME	11.4/HR	• 50% LOAD STANDBY	12.5 L/HR

Fuel System

• FUEL OIL SPECIFICATION	2-D DIESEL
• BUNDED FUEL TANK CAPACITY	500 LITRES
• EXTERNAL FUEL FILL	LOCKABLE / EXTERNAL

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24 Months or 2000 hours* (Engine & Alternator)

12 Months or 1000 hours* (Fuel system, starting & charging system, cowlings, covers & frame assembly)

* DENOTES – WHICHEVER OCCURS FIRST

Standby (ESP) Warranty - Diesel Generators

FOR A PERIOD OF TWENTY FOUR (24) MONTHS FROM THE DATE OF ORIGINAL SALE OR 2000 HOURS RUNTIME, WHICHEVER OCCURS FIRST SGENERGY WARRANTS THAT ITS STANDBY APPLICATION GENERATOR WILL BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR THE ITEMS AND PERIOD SET FORTH BELOW. SGENERGY WILL, AT ITS OPTION, REPAIR OR REPLACE ANY PART(S) WHICH, UPON EXAMINATION, INSPECTION AND TESTING BY SGENERGY, OR AN AUTHORIZED/CERTIFIED SGENERGY DEALER, IS FOUND TO BE DEFECTIVE. ANY EQUIPMENT THAT THE PURCHASER/OWNER CLAIMS TO BE DEFECTIVE MUST BE EXAMINED BY THE NEAREST AUTHORIZED/CERTIFIED SGENERGY DEALER. THIS WARRANTY APPLIES ONLY TO SGENERGY EMERGENCY STANDBY GENERATORS USED IN "STANDBY" APPLICATIONS AS SGENERGY HAS DEFINED 'STANDBY'. SCHEDULED MAINTENANCE, AS OUTLINED BY THE GENERATOR OWNER'S MANUAL, IS HIGHLY RECOMMENDED. THIS SCHEDULED MAINTENANCE SHOULD BE PERFORMED BY AN AUTHORIZED/CERTIFIED SGENERGY DEALER. THIS WILL VERIFY SERVICE HAS BEEN PERFORMED ON THIS UNIT THROUGHOUT THE WARRANTY PERIOD.

GUIDELINES

1. TRAVEL ALLOWANCES ARE LIMITED TO 70 KILOMETRES MAXIMUM AND TWO (2) HOURS MAXIMUM (PER OCCURRENCE) ROUND TRIP TO THE NEAREST AUTHORIZED/CERTIFIED SGENERGY DEALER. 2. WARRANTY BEGINS UPON THE SUCCESSFUL REGISTRATION OF THE UNIT. 3. PROOF OF PURCHASE AND MAINTENANCE MUST BE AVAILABLE. 4. WARRANTY ONLY APPLIES TO PERMANENTLY WIRED AND MOUNTED UNITS. 5. WARRANTY IS TRANSFERABLE BETWEEN OWNERSHIP OF ORIGINAL INSTALLATION SITE. 6. ANY AND ALL WARRANTY REPAIRS AND/OR CONCERNS, MUST BE PERFORMED AND/OR ADDRESSED BY AN AUTHORIZED/CERTIFIED SGENERGY DEALER, OR BRANCH THEREOF. REPAIRS OR DIAGNOSTICS PERFORMED BY INDIVIDUALS OTHER THAN SGENERGY AUTHORIZED DEALER NOT AUTHORIZED IN WRITING BY SGENERGY WILL NOT BE COVERED. 7. COVERED WARRANTY LABOR RATES ARE BASED ON NORMAL OPERATING HOURS. OVERTIME, HOLIDAY, OR EMERGENCY LABOR COSTS FOR REPAIRS OUTSIDE OF NORMAL BUSINESS HOURS WILL BE THE RESPONSIBILITY OF THE CUSTOMER.

THIS WARRANTY SHALL NOT APPLY TO THE FOLLOWING

1. DAMAGE TO ANY COVERED COMPONENTS OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE OF A NON-OEM PART WILL NOT BE COVERED BY THE WARRANTY. 2. COSTS OF NORMAL MAINTENANCE (I.E. TUNE-UPS, ASSOCIATED PART(S), ADJUSTMENTS, LOOSE/LEAKING CLAMPS, INSTALLATION AND START-UP). 3. UNITS SOLD, RATED OR USED FOR "PRIME POWER", "TRAILER MOUNTED" OR "RENTAL UNIT" APPLICATIONS AS SGENERGY HAS DEFINED PRIME POWER, TRAILER MOUNTED OR RENTAL UNIT. CONTACT SGENERGY FOR PRIME POWER, TRAILER MOUNTED OR RENTAL UNIT DEFINITIONS. 4. UNITS USED FOR PRIME POWER IN PLACE OF EXISTING UTILITY POWER (WHERE UTILITY POWER IS PRESENT) OR IN PLACE OF UTILITY POWER WHERE UTILITY POWER SERVICE DOES NOT NORMALLY EXIST. 5. DAMAGE TO GENERATOR SYSTEM (INCLUDING TRANSFER SWITCH) CAUSED BY IMPROPER INSTALLATION OR COSTS NECESSARY TO CORRECT INSTALLATION. 6. ANY FAILURE CAUSED BY CONTAMINATED FUELS, OILS, COOLANTS/ANTIFREEZE OR LACK OF PROPER FUELS, OILS OR COOLANTS/ANTIFREEZE. 7. FAILURES DUE, BUT NOT LIMITED, TO NORMAL WEAR AND TEAR, ACCIDENT, MISUSE, ABUSE, NEGLIGENCE, MISAPPLICATION OR IMPROPER INSTALLATION. 8. AS WITH ALL MECHANICAL DEVICES, THE SGENERGY ENGINES NEED PERIODIC PART(S) SERVICE AND REPLACEMENT TO PERFORM AS DESIGNED. THIS WARRANTY WILL NOT COVER REPAIR WHEN NORMAL USE HAS EXHAUSTED THE LIFE OF A PART(S) OR ENGINE. 9. PRODUCTS THAT ARE MODIFIED OR ALTERED IN A MANNER NOT AUTHORIZED BY SGENERGY IN WRITING. 10. DAMAGE RELATED TO RODENT AND/OR INSECT INFESTATION. 11. FAILURES CAUSED BY ANY EXTERNAL CAUSE OR ACT OF GOD INCLUDING, WITHOUT LIMITATION, COLLISION, THEFT, VANDALISM, RIOT OR WARS, NUCLEAR EVENT, FIRE, LIGHTNING, EARTHQUAKE, WINDSTORM, HAIL, VOLCANIC ERUPTION, WATER OR FLOOD, TORNADO OR HURRICANE. 12. ANY INCIDENTAL, CONSEQUENTIAL OR INDIRECT DAMAGES CAUSED BY DEFECTS IN MATERIALS OR WORKMANSHIP, OR ANY DELAY IN REPAIR OR REPLACEMENT OF THE DEFECTIVE PART(S). 13. OVERNIGHT FREIGHT OR SPECIAL SHIPPING COSTS FOR REPLACEMENT PART(S). 14. LIVING OR TRAVEL EXPENSES OF PERSON(S) PERFORMING SERVICE, EXCEPT AS SPECIFICALLY INCLUDED WITHIN THE TERMS OF A SPECIFIC UNIT WARRANTY PERIOD. 15. RENTAL EQUIPMENT USED WHILE WARRANTY REPAIRS ARE BEING PERFORMED AND/OR OVERNIGHT FREIGHT COSTS FOR REPLACEMENT PART(S). 16. EXPENSES RELATED TO "CUSTOMER INSTRUCTION" OR TROUBLESHOOTING WHERE NO MANUFACTURING DEFECT IS FOUND. 17. PLANE, FERRIES, RAILROAD, BUSES, HELICOPTERS, SNOWMOBILES, SNOW-CATS, OFF-ROAD VEHICLES OR ANY OTHER MODE OF TRANSPORT DEEMED ABNORMAL. 18. STARTING BATTERIES, FUSES, LIGHT BULBS AND ENGINE FLUIDS. THIS WARRANTY IS IN PLACE OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. SPECIFICALLY, SGENERGY MAKES NO OTHER WARRANTIES AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTIES WHICH ARE ALLOWED BY LAW, SHALL BE LIMITED IN DURATION TO THE TERMS OF THE EXPRESS WARRANTY PROVIDED HEREIN. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. SGENERGY'S ONLY LIABILITY SHALL BE THE REPAIR OR REPLACEMENT OF PART(S) AS STATED ABOVE. IN NO EVENT SHALL SGENERGY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, EVEN IF SUCH DAMAGES ARE A DIRECT RESULT OF SGENERGY'S NEGLIGENCE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU ALSO HAVE OTHER RIGHTS FROM STATE TO STATE.