



Powered by:



GENERATING SET PROFORMANCE	50Hz	60Hz
VOLTAGE	V400	
PHASES	Three	
PRIME RATED POWER	910kVA	
STANDBY RATED POWER	1000kVA	
POWER FACTOR	0.80 PF	
FUEL USAGE @ 75%	142.0 L/hr	

The POWERGen Group Ltd:



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 49 Whiore Avenue
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 PO Box 14254
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 3143 New Zealand

ENGINE	MTU	16V 2000 G25
PERFORMANCE	50Hz	60Hz
BASELOAD RATED POWER	TBA	
PRIME RATED POWER	810KWm	
STANDBY RATED POWER	891KWm	
FUEL CONSUMPTION	97 L/hr @ 100% 142 L/hr @ 75% 189 L/hr @ 50%	
TYPE	Diesel 4 stroke	
ASPIRATION	Turbocharged	
INJECTION TYPE	Direct injection	
ENGINE GOVERNOR	Electronic governor	
CYLINDERS AND ARRANGEMENT	16 Vee	
BORE AND STROKE	130mm x 150mm	
COMPRESSION RATIO	16.0 : 1	
ELECTRICAL SYSTEM VOLTAGE	24 volt	
BATTERY TYPE	Lead acid, 24V	
DERATING FOR TEMPERATURE	40deg C	
DERATING FOR ALTITUDE	1000m	
DERATING FOR HUMIDITY	90%	

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ALTERNATOR

STAMFORD

PERFORMANCE	50Hz	60Hz
MODEL	HCI634H	
BASELOAD RATED POWER 40 deg C	860kVA	
PRIME RATED POWER 40 deg C	940kVA	
STANDBY RATED POWER 40 deg C	980kVA	
STANDBY RATED POWER 27 deg C	1010kVA	
EFFICIENCY	95%	
STANDARD WING CONNECTIONS	Star Delta	
EXCITER	Separately excited by P.M.G	
POLES	4 poles	
PHASES	Three phases	
WIRES	6 leads	
VOLTAGE REGULATION	+/- 0.5%	
INSULATION CLASS	Class H	
ENCLOSURE	IP23	
MAXIMUM OVERSPEED	150%	
STANDARD AVR MODEL	MX321	
OPTIONAL AVR MODEL	TBA	
DERATING FOR TEMPERATURE	40 deg C	
DERATING FOR ALTITUDE	1000mm	

The POWERGen Group Ltd:



POWERGen



POWERServ



POWERPump



POWERGenHire


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DIMENSIONS AND CAPACITY

STANDARD MODELS

	INTEGRATED FUEL TANK CAPACITY		WEIGHT	DIMENSIONS		
	STANDARD	OPTIONAL	KG	LENGTH	WIDTH	HEIGHT
OPEN SKID TYPE	N/A	-	9200kg	4700mm	1900mm	2430mm

GENERATOR EQUIPMENT

The POWERGen Group Ltd:



POWERGen



POWERServ



POWERPump



POWERGenHire

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AUTOMATIC MODELS– EQUIPMENT

4 poles ABB circuit breaker, electronic control unit ComAp AMF25-NT control panel box key, emergency stop button, water jacket heater, battery charger, anti condensation heater.

AUTOMATIC MODELS– PROTECTORS

Low oil pressure, low fuel level, overload, over/ under frequency, low voltage, over/ under battery voltage, belt breakage.

AUTOMATIC MODELS– INSTRUMENTATION

Voltmeter, ammeter (3 phases), frequency meter, hour– meter, battery voltage, fuel level.



Dedicated battery charger with boost and flat modes. Battery charger is configured to provide an alarm in event of a fault with the charging system.



Wiring and protection in accordance with AS3000 and AS3010. Robust, clear labelling system with comprehensive schematic drawings.



Option of a high spec controller capable of synchronising with other generators or the mains supply. Standard controller can be used in key start or standard AMF mode.



Four pole MCCB in accordance with AS3010. The motorised MCCB is fitted with a stunt trip to protect the generator in event of a sudden shutdown.



Battery isolator to enable the battery to be switched off in the event of the generator being put into storage for extended periods.

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