



Powered by:



GENERATING SET PERFORMANCE	50Hz	60Hz
VOLTAGE	V400	
PHASES	Three	
PRIME RATED POWER	1250kVA	
STANDBY RATED POWER	1400kVA	
POWER FACTOR	0.80 PF	
FUEL USAGE @ 75%	199.0 L/hr	

The POWERGen Group Ltd:



POWERGen Group Ltd

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 49 Whiore Avenue
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 PO Box 14251
 Tauranga Mail Centre
 3143 New Zealand

ENGINE	CUMMINS	KTA50-G3
PERFORMANCE	50Hz	60Hz
BASELOAD RATED POWER	877kWm	
PRIME RATED POWER	1074KWm	
STANDBY RATED POWER	1192KWm	
FUEL CONSUMPTION	261 L/hr @ 100% 199 L/hr @ 75% 139 L/hr @ 50%	
TYPE	Diesel 4 stroke	
ASPIRATION	Turbocharged and after cooled	
INJECTION TYPE	Direct injection	
ENGINE GOVERNOR	Electronic governor	
CYLINDERS AND ARRANGEMENT	16 Vee	
BORE AND STROKE	158.8mm x 158.8mm	
COMPRESSION RATIO	13.9:1	
ELECTRICAL SYSTEM VOLTAGE	24 volt	
BATTERY TYPE	Lead acid, 24V	
DERATING FOR TEMPERATURE	40deg C	
DERATING FOR ALTITUDE	1000m	
DERATING FOR HUMIDITY	90%	

The POWERGen Group Ltd:





Generator Specification Sheet

ALTERNATOR

ALTERNATOR

STAMFORD

PERFORMANCE	50Hz	60Hz
MODEL	PI734A	
BASELOAD RATED POWER 40 deg C	1140kVA	
PRIME RATED POWER 40 deg C	1260kVA	
STANDBY RATED POWER 40 deg C	1315kVA	
STANDBY RATED POWER 27 deg C	1350kVA	
EFFICIENCY	94%	
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	

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DIMENSIONS AND CAPACITY

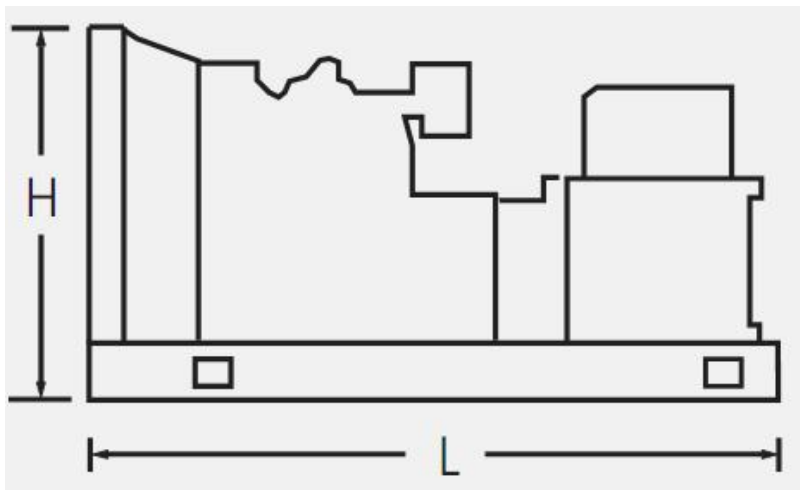
STANDARD MODELS

	INTEGRATED FUEL TANK CAPACITY		WEIGHT	DIMENSIONS		
	STANDARD	OPTIONAL	KG	LENGTH	WIDTH	HEIGHT
OPEN SKID TYPE	TBA	TBA	9800kg	5650mm	2060mm	2330mm

GENERATOR SET EQUIPMENT

STANDARD MODELS

- Heavy duty steel base frame
- Pad type anti-vibration dampers
- Integrated fuel tank, base mounted
- 24V battery
- Key start switch
- Emergency stop button



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InteliLite®
AMF 20/AMF 25
Automatic Mains Failure Controller



AUTOMATIC MODELS – EQUIPMENT

4 poles ABB circuit breaker, electronic control unit ComAp AMF25, control panel box key, emergency stop button, water jacket 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 meter, fuel level

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