



DESIGN SPECIFICATIONS

High quality, reliable and long life complete power unit.
Compact design
Easy start and maintenance possibility.
Every generating set is subject to a test programme which includes standard full load and functions testing.



400 / 230 V - 50Hz				AGM 25	AGM 40	AGM 60	AGM 80	AGM 100	AGM 125
Power Factor 0.8	Standby	NG / LPG	kVA	25 / 27	40 / 42	62 / 64	82 / 84	100 / 102	125 / 127
	Prime	NG / LPG	kVA	22 / 24	36 / 38	56 / 58	72 / 74	90 / 92	112 / 114

STANDARD GENSET SPECIFICATIONS

ENGINE

GM heavy - duty NG / LG engine.
Four cycle, water cooled engine.
12 volt D.C starter and charger alternator.
Replaceable oil filter and dry element air filter.
Cooling radiator and fan.
Flexible gas connection hoses and oil drain valve.
Industrial capacity exhaust silencer and steel belows.
Starter battery (with lead acid) including Rack and Cables.
Jacket water heater (at automatic models).
Operation manuals and circuit diagrams documents

ALTERNATOR

Newage Stamford brushless single bearing system, 4 Pole.
Insulation class H.
Standard degree of protection IP21 .
Self-exciting and self-regulating.
Solid State Automatic Voltage Regulator

CHASSIS

Steel chassis and antivibration pads.
Suitable modular canopy mounted.
Easy to lift and transport with hook and forklift.

CANOPY

All canopy parts are designed with modular principles.
Without welding assembly.
Easy maintenance and operation possibility.
All metal canopy parts are painted by electrostatic polyester powder paint after chemical cleaning operation.
Exhaust silencer is protected against enviromental conditions.
Emergency stop push button is installed outside of canopy .
Direct lifting and transporting from canopy.
Thermally insulated engine exhaust system.

QUALITY STANDARDS

The equipment meets the following standards: VDE 0530, BS 4999, BS 5000, IEC 34. The generating set is manufactured by a full accredited ISO 9001 NQA

CONTROL SYSTEMS

Deep Sea Control, Supervision and Protection Panel Mounted on genset base frame. The control panel is equipped as follows;
Auto Mains Failure Control Panel P300
Control with DSE model 720 module.
Static Battery Charger.
Emergency stop-push button.

Generating Set Control Module DSE 720 Features

The module is used to monitor a mains supply and automatically start a standby generator set.
Scrolling digital LCD display.
Front Panel configuration of timers and alarm trip points.
Easy pushbutton control.
Stop / Reset - Auto - Manual - Test - Start.
LCD display scroll push button.

Metering via LCD Display

- Generator Volt (l) - Engine oil pressure
- Generator Ampe - Engine speed
- Generator Frequ - Engine hours run.
- Mains Volts (F-F) - Plant battery volt.
- Engine temprature.

Alarms

- High engine tempr - Over Current
- Low battery volt - Over speed
- Charge fail - Under / over mains volt.
- Start failure - Low oil pressure
- Emergency stop

Led Indications

- Mains available - Generator available
- Mains on load - Generator on load



DSE 720

TECHNICAL DATA

DIESEL GENERATING SETS 400 / 230 V - 50Hz

MODEL		AGM 25	AGM 40	AGM 60	AGM 80	AGM 100	AGM 125	
Power Pf. 0.8	Standby	kVA	25 / 27	40 / 42	62 / 64	82 / 84	100 / 102	125 / 127
		Kw	20 / 21	32 / 33	50 / 51	65 / 67	80 / 81	100 / 101
	Prime	Kva	22 / 24	36 / 38	56 / 58	72 / 74	90 / 92	112 / 114
		Kw	18 / 19	29 / 30	45 / 46	58 / 59	72 / 73	90 / 91
Engine Make		GM	GM	GM	GM	GM	GM	
Model		430	643	857	881L	8881CS	881T	
Power	Standby NG / LPG	KW	23 / 25	36 / 38	56 / 58	73 / 75	88 / 90	108 / 110
	Prime NG / LPG	KW	21 / 23	32 / 34	51 / 53	65 / 67	80 / 82	98 / 100
Aspiration and Cooling		Natural	Natural	Natural	Natural	Natural	Turbo Charged	
Cubic Capacity		litre	3	4.3	5.7	8.1	8.1	8.1
Cylinders and Build		4 - In Line	6 V	8 V	8 V	8 V	8 V	
Engine Rated Speed		rpm	1500	1500	1500	1500	1500	
Compression Ratio			8.2:1	9.4:1	9.4:1	8.1:1	8.1:1	8.1:1
B.M.E.P		bar	4.8	5.02	6.32	5.78	7.56	8.89
Governor Type			Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Fuel Consumption at full load (standby)	NG	M3/h.	7.5	11	17	24.5	28	34
	LPG	m3/h - (kg/h.)	3 (6)	4.4 (8.8)	6.6 (13.2)	8.8 (17.5)	10.6 (21)	13 (26)
Natural Gas Pressure (min.)		mbar	300	300	300	300	300	
Engine Oil Capacity		litre	4.3	4.76	5.24	8.1	8.1	8.1
Air Intake Flow		m3/h.	90	132	200	280	340	400
Air Outlet Flow From Radiator		m3 / s.	1.23	2.15	2.15	2.32	2.32	2.52
Exhaust Gas Flow		m3 / h.	225	330	500	690	840	990
Exhaust Gas Temperature		0°C	491	491	491	491	491	491
Heat Radiated to Ambient		KW	6	10	13	15	15	15

All Sets Come With Battery Charger and Engine Heater as Standard.

OPEN TYPES

Dimensions (Length x width x height)	m.	1.6 x 0.85 x 1.2	1.9 x 0.9 x 1.3	2.5 x 1.1 x 1.4	2.5 x 1.1 x 1.4	2.5 x 1.1 x 1.4	2.5 x 1.1 x 1.4
Dry Weight	kg.	500	650	850	1150	1150	1150

SOUND ATTENUATED TYPES

		ASM3	ASM 4	ASM 5	ASM 6	ASM 6	ASM 6
Dimensions (Length x width x height)	m.	2.12 x 0.92 x 1.5	2.5 x 0.97 x 1.6	3.1 x 1.06 x 1.75	3.25 x 1.16 x 1.9	3.25 x 1.16 x 1.9	3.25 x 1.16 x 1.9
Dry Weight	kg.	760	840	1040	1350	1350	1350

Manufacturer reserves the right to make changes in model, technical specifications, colour, equipment and accessories without prior notice.

OPTIONAL EQUIPMENTS

Engine

- Electronic Governor
- Remote Radiator
- Alternator**
- 3 Pole Output Circuit Breaker
- Oversized Alternator
- Anti-Condensation Heater

Panel

- Transfer Switch
- Auto Mains Failure
- Earth Fault



Accessories

- Bulk Fuel Tank
- Automatic Fuel Filling Systems
- Fuel Water Separator
- Low Fuel Alarm
- Residential Silencer
- Trailer
- Tool-Kit for maintenance

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