



MILLAT Diesel Generating Sets (60 - 250 KVA)

**“A Dependable Source
of Alternate Power”**



- Comprises of reliable Perkins (UK) Engine coupled with world's renowned Alternators of hallmark repute.
- Fuel efficient
- Warranty 12 months/1200 hrs.
- Low maintenance cost
- Availability of Spares throughout Pakistan.
- Seamless after sales service through our regional offices and dedicated workshops of our dealer's network throughout Pakistan.



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Technical Data

Specifications		MPG-60 60 KVA	MPG-80 80 KVA	MPG-100 100 KVA	MPG-150 150 KVA	MPG-200 200 KVA	MPG-250 250 KVA
ENGINE							
Make		Perkins UK					
Number of Cylinders		3 vertical in-line	4 vertical in-line	4 vertical in-line	6 vertical in-line	6 vertical in-line	6 vertical in-line
Displacement		3.3 litres	4.4 litres	4.41 litres	5.99 litres	8.8 litres	8.7 litres
Aspiration		Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged
Cycle		4 stroke	4 stroke	4 stroke	4 stroke	4 stroke	4 stroke
Combustion system		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Compression ratio		17.25:1	17.25:1	18.2:1	16:1	16.1:1	16.9:1
Rotation		Anti clockwise viewed from fly wheel	Anti clockwise viewed from fly wheel	Anti clockwise viewed from fly wheel	Anti clockwise viewed from fly wheel	Anti clockwise viewed from fly wheel	Anti clockwise viewed from fly wheel
Cooling system		Water cooled	Water cooled	Water cooled	Water cooled	Water cooled	Water cooled
Total lubrication system capacity		7.9 Litres	8.0 Litres	8.0 Litres	16.5 Litres	16.5 Litres	26.4 Litres
Total Coolant capacity		10.2 Litres	13 Litres	12.6 Litres	21 Litres	21 Litres	37.2 Litres
Engine Power		bhp (net)					
		72.1	94.4	120.8	173.3	239	298
Dimensions	Length (mm)	1049	1241	1259	1685	1941	1941
	Width (mm)	634	629	721	773	1013	1013
	Height (mm)	951	951	966	1065	1366	1366
Dry Weight (approx)		420 Kg	463 Kg	500 Kg	690 Kg	1135 Kg	1136 Kg
ALTERNATOR							
Make		LERROY SOMER / STAMFORD / MECCA ALTE					
Prime rating (KVA)		60 KVA	80 KVA	100 KVA	150 KVA	200 KVA	250 KVA
Voltage - No. of Phases		400/220 - 3	400/220 - 3	400/220 - 3	400/220 - 3	400/220 - 3	400/220 - 3
Rated Current (Amps.) at 0.8 PF		86.7	115.6	144.5	216	289	361.3
Rated Frequency Hz/RPM		50/1500	50/1500	50/1500	50/1500	50/1500	50/1500
Excitation		Self excited	Self excited	Self excited	Self excited	Self excited	Self excited
Coupling/bearings/pole		Direct/ Single/ 4 pole	Direct/ Single/ 4 pole	Direct/ Single/ 4 pole	Direct/ Single/ 4 pole	Direct/ Single/ 4 pole	Direct/ Single/ 4 pole
Voltage regulation		Self regulated $\pm 1\%$	Self regulated $\pm 1\%$	Self regulated $\pm 1\%$	Self regulated $\pm 1\%$	Self regulated $\pm 1\%$	Self regulated $\pm 1\%$
Overload permissible for 1 hour in 12 hours operation		10%	10%	10%	10%	10%	10%
CANOPY							
Dimensions	Length x Width x Height (m ³)	2.8 x 1.1 x 1.4	2.8 x 1.1 x 1.9	2.8 x 1.1 x 1.9	3.7 x 1.2 x 1.8	3.6 x 1.1 x 1.8	4.3 x 1.4 x 2.1
	Fuel Tank Capacity (Litrs)	160	260	260	340	435	460

Note: - Stand by rating = 10% of Prime rating for 1 hours operation.

- All ratings are based on test bench conditions, it may vary according to site conditions.

- De-rating factors shall be applicable with respect to temperature, altitude/air pressure and humidity.

OPTIONAL

- Manual/Automatic (ATS/AMF)
- Soundproof Canopy
- Additional Diesel Tank (500 Ltrs.)
- Electronic control panels
- Yearly maintenance contract
- Repair and maintenance at customer's premises
- Generator controlled through remote locations
- Complete turnkey solutions

Note:

Millat products and specifications are subject to change without prior notice.