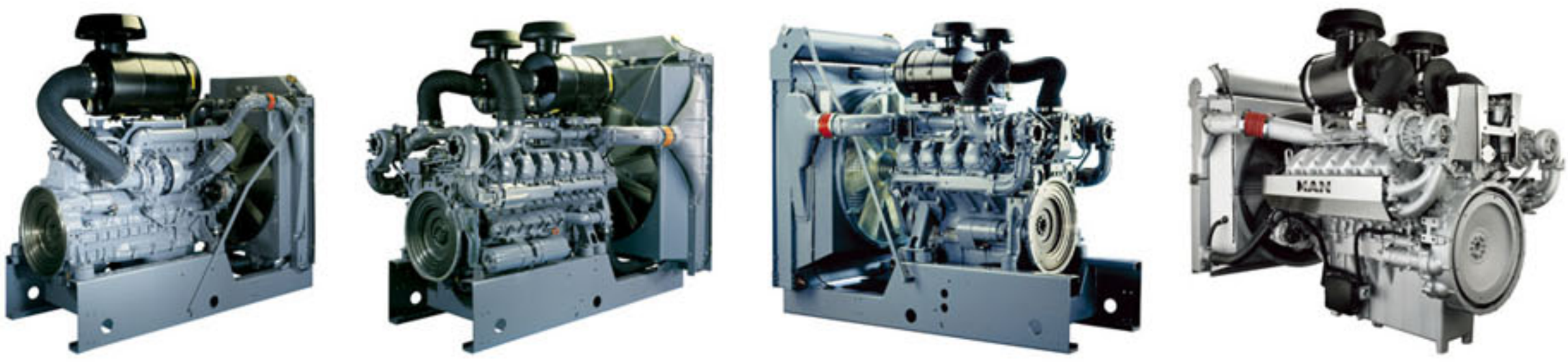
Power generation

INTERGEN®

GENSET

Powered by
Water-cooled MAN Engines
Made in Germany

MAN



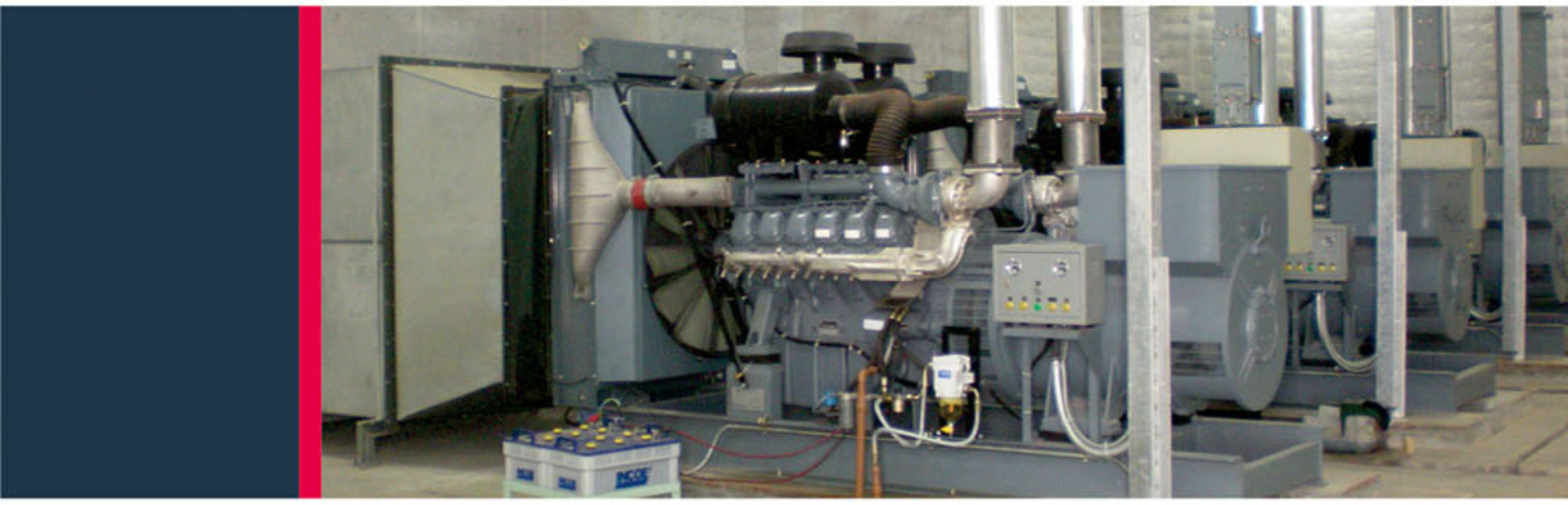
Powering The World

MAN was the institution where Rudolf Diesel invented the world's first diesel engine. The ingenious invention, which turned out to be the most important engines in the industry history, was completed between the triumph of the diesel engines began as MAN paved the way and has been there ever since.

The first marketable direct-injection diesel in 1923, the first use of exhaust-gas turbocharging in 1951 and the charge-air cooling in 1979 are just some of the highlights.

Main Features :

- High spesific output of up to 33 kW/l displacement
- Fast response to load changes and reliability under peak loads
- Environmental compability thanks to the lowest pollutant emissions
- Low running cost owing to low consumption of fuel and lube oil
- Robust, compact design to save space
- Long useful life coupled with low maintenance effort and good access to all points requiring service
- Wide range of accessories to suit all needs

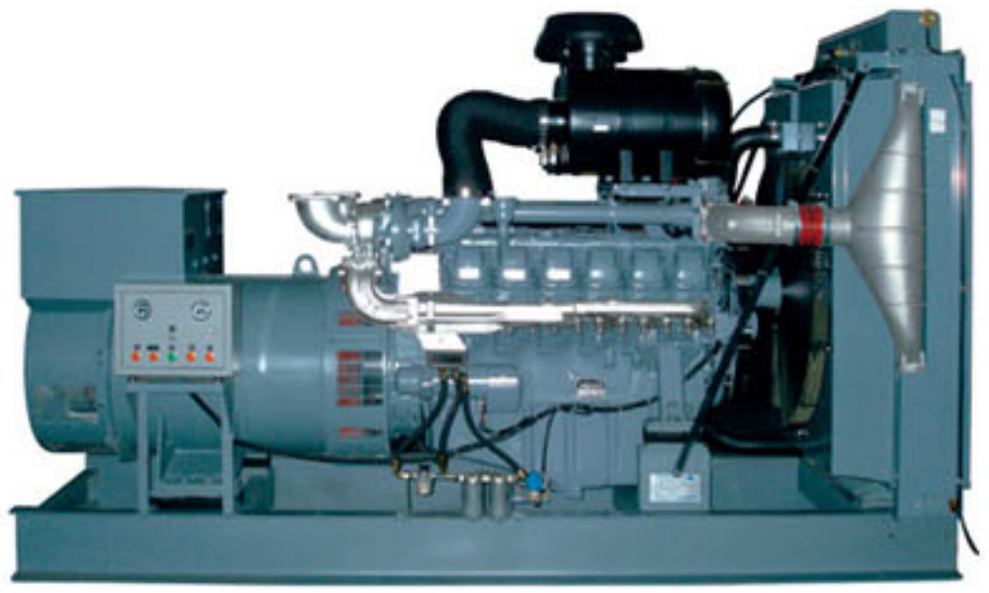


- MAN for Power Generation

All in with MAN.

The powerful diesels for power generation.

- Low fuel consumption 196 - 205 gr/kwh
- Low SO^2 and CO contents / low pollution
- Low operating cost



TECHNICAL DATA MAN DIESEL - GENERATING SETS

Continuous Running Power, 10% Overload for 1 Hour within 12 Hours							
Genset Output at p.f.0,8. 50/60 Hz, 1500/1800 rpm Acc. to ISO 8528-1	KVA	400 / 425	515/580	570 / 625	625 / 710	675 / 790	800 / 900
Engine Type		D2676 LE221	D2840 LE201	D2840 LE211	D2842 LE201	D2842 LE211	D2862 LE221
Engine Output at 1500/1800 rpm	kWm	360 / 377	451 / 515	495 / 555	543 / 620	590 / 690	700 / 800
Power Required for Fan at 1500/1800 rpm	kWm	10 / 17	14 / 24	17 / 28	14 / 24	17 / 28	30 / 53
Net Output on Flywheel at 1500/1800 rpm	kWm	350 / 360	437 / 491	478 / 527	529 / 596	573 / 654	670 / 747
No. of Cylinder		6 in Line	10 in V	10 in V	12 in V	12 in V	12 in V
Bore / Stroke	mm	126 / 166	128 / 142	128 / 142	128 / 142	128 / 142	128 / 157
Displacement	Liter	12.42	18.27	18.27	21.927	21.927	24.243
Compression Ratio		15.5 : 1	15.5 : 1	15.5 : 1	15.5 : 1	15.5 : 1	17 : 1
Governor Type		Common Rail	Electric	Electric	Electric	Electric	Common Rail
Fuel Consumption at 1500/1800 rpm at 100% Load	g/kWh Liter/h	199 / 203 86 / 92	196 / 204 107 / 126	205 / 209 122 / 139	195 / 202 128 / 150	202 / 213 144 / 174	192 / 193 162 / 186
Lube Oil Volume (min / max)	Liter	34 / 40	24 / 30	24 / 30	24 / 32	24 / 32	42 / 102
Total Weight (Genset)	kg	2870	4000	4200	5000	5000	5500
Dimension (Open Type)	cm	320 x 125 x 195	310 x 142 x 208	310 x 142 x 208	340 x 162 x 208	340 x 162 x 208	375 x 162 x 220

Stanby Running Power up to 500 h/a, not overloadable						
Genset Output at p.f.0,8. 50/60 Hz, 1500/1800 rpm Acc. to ISO 8528-1	KVA	510 / 470	625 / 662	700 / 750	810 / 920	1000 / 1250
Engine Type		D2676 LE223	D2840 LE203	D2840 LE213	D2842 LE213	D2862 LE223
Engine Output at 1500/1800 rpm	kWm	440 / 415	545 / 585	610 / 660	702 / 800	880 / 1117
Power Required for Fan at 1500/1800 rpm	kWm	10 / 17	14 / 24	17 / 28	17 / 28	30 / 53
Net Output on Flywheel at 1500/1800 rpm	kWm	430 / 398	531 / 561	593 / 632	685 / 772	850 / 1064
No. of Cylinder		6 in Line	10 in V	10 in V	12 in V	12 in V
Bore / Stroke	mm	126 / 166	128 / 142	128 / 142	128 / 142	128 / 157
Displacement	Liter	12.42	18.27	18.27	21.927	24.243
Compression Ratio		15.5 : 1	15.5 : 1	15.5 : 1	15.5 : 1	17 : 1
Governor Type		Common Rail	Electric	Electric	Electric	Common Rail
Fuel Consumption at 1500/1800 rpm at 100% Load	g/kWh Liter/h	200 / 204 96 / 101	199 / 203 131 / 142	211 / 217 155 / 172	206 / 213 174 / 204	192 / 196 203 / 264
Lube Oil Volume (min / max)	Liter	34 / 40	24 / 30	24 / 30	24 / 32	42 / 72
Total Weight (Genset)	kg	3000	4200	4300	5200	5600
Dimension (Open Type)	cm	330 x 125 x 180	320 x 142 x 208	340 x 142 x 208	346 x 162 x 208	395 x 162 x 220

Lubricating oil : 15W40 to API CH4.

Rating Definitions
Continuous Power : Power available for continuous full load operation. Overload of 10% permitted for 1 hour in every 12 hours operation.
Standby Power : Power available in the event of a main power network failure up to a maximum of 500 hours per year of which up to 300 hours may be run continuously. Load factor may be up to 100% of stanby power. No overload is permitted.

INTERGEN®
GENSET

MAN

PT INTERJAYA SURYA MEGAH

SOLUTIONS FOR YOUR POWER & TRANSMISSION NEEDS

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