

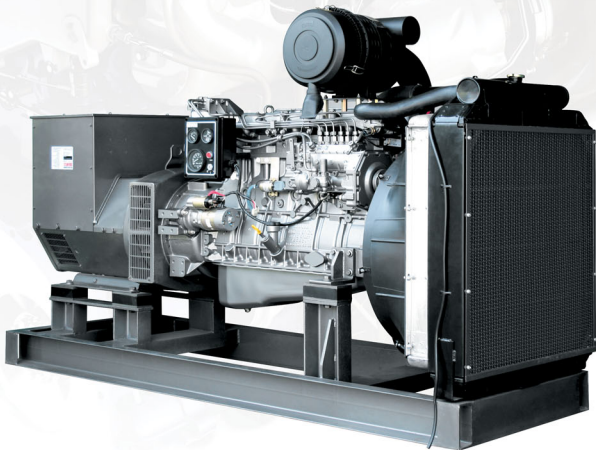
INTERGEN[®]

GENSET

Powered by

MWM

MAXXFORCE



POWERFUL AND RELIABLE

Diesel Generating Sets

STATIONARY POWER ENGINE PRODUCTS

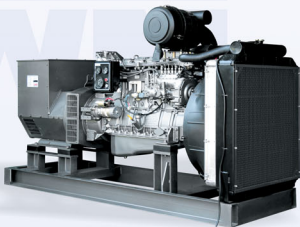
Reliability, low operational cost with high performance and maximum power output.

Developed for heavy duty, the MWM-MaxxForce Series engines are capable to drive a wide range of applications such as: generator sets, irrigation pumps, tractors, sprayers and many other industrial types of equipment.

They are robust, compact and offer the best performance in technology and durability aspects with less number of components.

MAIN FEATURES

- Wet and removable cylinder liners
- Individual cylinder heads
- Removable valve guides and seats
- High performance and low fuel oil and lubricant consumption
- Interchange ability of several components among 4 and 6 cylinders versions
- Water pump, oil pump, air compressor and hydraulic pump driven by gear
- Ribbed engine block to reduce noise emissions
- SAE 3 flywheel housing
- Flywheel for SAE 11.5 inch couplings



Spare Parts



SILENT CANOPY

Soundproof - Weatherproof

It's designed for weatherproof with low sound level, nice shape and economical space

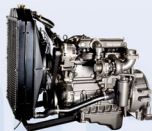


Sound Level :
Approximately 70 dB at 7 meters
(or according to the customer's specification)

229 Series



10 Series



12 Series



229 & 10 Series

Engine Power at 1500 rpm	kVA	30	40	60	85	85	114	140
kW (HP)		27 (37)	36 (49)	55 (75)	76 (103)	76 (103)	100 (136)	121 (165)
Engine Model		D229-3	D229-4	D229-6	TD229-EC-6	4.10 T	6.10 T	6.10 TCA
Construction Type	Diesel - 4 Stroke, In Line Vertical							
Injection Type	Direct Injection							
Air Intake		NATURAL	NATURAL	NATURAL	TURBO	TURBO	TURBO	TURBO AFTER COOLER
Number of Cylinders		3	4	6	6	4	6	6
Bore & Stroke	mm	102 X 120				103 X 129		
Total Displacement	Liter	2.94	3.92	5.88	5.88	4.3	6.45	6.45
Compression Ratio		17 : 1	17 : 1	17 : 1	15.9 : 1	16.3 : 1	16 : 1	16 : 1
Alternator	A / V	35 / 14	35 / 14	35 / 14	35 / 14	35 / 14	35 / 14	35 / 14
Starter	V	12	12	12	12	12	12	12
Governor Type		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Specific Fuel Consumption	g / kWh	220.3	217.6	220.3	224	222	209	197
	Liter / hour	7.1	9.35	14.45	19.63	20.09	24.88	28.38
Oil Volume	min / max	Liter	4 / 7	5 / 9	7 / 13	5 / 9.7	13 / 7	13 / 7
Oil Pressure	rated / idle speed	bar (Psi)	3.0 (45) / 1.0 (15)				4.5 (65) / 1.0 (15)	
Oil Temperature	min / max	°C	90-110 / 125				90-110 / 120	
Water Temperature	min / max	°C	80-95 / 100				80-90 / 100	
Exhaust Gas Temperature at 1500 rpm	°C	560	630	605	525	525	610	590
Approximate Weight (Engine)	Kg	370	445	570	620	490	630	650
Total Weight (Genset)	Kg	650	750	1050	1150	1020	1300	1400
Dimension (Open Type)	cm	156 x 70 x 120	180 x 70 x 120	210 x 70 x 127	230 x 77 x 131	186 x 80 x 130	234 x 80 x 135	234 x 80 x 135
Dimension (Silent Type)	cm	225 x 110 x 135	225 x 110 x 135	275 x 115 x 155	300 x 120 x 165	300 x 120 x 165	325 x 120 x 165	350 x 120 x 165

12 Series

Engine Power at 1500 rpm	kVA	60	85	100	125	140	160	180	200	200
kW (HP)		59 (80)	78 (105)	94 (128)	115 (156)	128 (174)	147 (199)	163 (221)	180 (241)	180 (241)
Engine Model		S12-VI	S12-V	S12-IV	S12-III	S12-II	S12-I	SE12-I	SE12-II	SM12-II
Construction Type	Diesel - 4 Stroke, In Line Vertical									
Injection Type	Direct Injection									
Air Intake		TURBO CHARGED	TURBO AFTER COOLER	TURBO AFTER COOLER	TURBO AFTER COOLER	TURBO AFTER COOLER	TURBO AFTER COOLER	TURBO AFTER COOLER	TURBO AFTER COOLER	TURBO AFTER COOLER
Number of Cylinders		4	4	4	6	6	6	6	6	6
Bore & Stroke	mm	105 x 137	105 x 137	105 x 137	105 x 137	105 x 137	105 x 137	105 x 137	105 x 137	105 x 137
Total Displacement	Liter	4.8	4.8	4.8	7.2	7.2	7.2	7.2	7.2	7.2
Compression Ratio		16.8 : 1	16.8 : 1	16.8 : 1	16.8 : 1	16.8 : 1	16.8 : 1	16.8 : 1	16.8 : 1	16.8 : 1
Alternator	A / V	45 / 12	45 / 12	45 / 12	55 / 24	55 / 24	55 / 24	55 / 24	55 / 24	55 / 24
Starter	V	12	12	12	24	24	24	24	24	24
Governor Type		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Electrical	Electrical	Mechanical
Specific Fuel Consumption	g / kWh	209	209	208	202	198	197	193	193	197
	Liter / hour	15	19	23	27.45	30.01	34.15	37.18	40.87	41.72
Oil Volume	min / max	Liter	13.5 / 17.2	13.5 / 17.2	13.5 / 17.2	14.8 / 18.6	14.8 / 18.6	14.8 / 18.6	14.8 / 18.6	14.8 / 18.6
Oil Pressure	rated / idle speed	bar (Psi)	> 3.5 (52.5) / 1.2 (18)							
Oil Temperature	min / max	°C	90-110 / 125	90-110 / 125	90-110 / 125	90-110 / 125	90-110 / 125	90-110 / 125	90-110 / 125	90-110 / 125
Water Temperature	min / max	°C	80-90 / 105	80-90 / 105	80-90 / 105	80-90 / 105	80-90 / 105	80-90 / 105	80-90 / 105	80-90 / 105
Exhaust Gas Temperature at 1500 rpm	°C	460	550	550	600	600	600	650	650	650
Approximate Weight (Engine)	Kg	354	354	354	600	600	600	600	600	600
Total Weight (Genset)	Kg	858	938	973	1300	1300	1400	1500	1600	1600
Dimension (Open Type)	cm	200 x 85 x 125	200 x 85 x 125	200 x 85 x 125	240 x 80 x 160	240 x 80 x 160	240 x 80 x 160	250 x 80 x 160	250 x 80 x 160	250 x 80 x 160
Dimension (Silent Type)	cm	300 x 120 x 165	300 x 120 x 165	300 x 120 x 165	325 x 120 x 165	350 x 120 x 165	350 x 120 x 165	350 x 120 x 165	350 x 120 x 165	350 x 120 x 165

Note : In order to incorporate the latest technological developments, MWM-MaxxForce, reserves the right to change the specification without notice.



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SOLUTIONS FOR YOUR POWER & TRANSMISSION NEEDS

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