



10 - 3350KVA

MF POWER SERIES

DIESEL GENERATING SETS



FROM MASSEY FERGUSON

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About Us

With many years experience in the design and manufacture of diesel generating sets our management team ensures every MF Power Series generating set will provide reliable power and peace of mind. Whether used daily on the farm or as an emergency precaution, you can be assured our talented team has created a power solution with you and your needs in mind.

Each Massey Ferguson Power Series generating set is manufactured at the modern factory facilities in Northern Ireland, which is part of the United Kingdom. Northern Ireland has a proud history in engineering that dates back over three hundred years. Pneumatic tyres, tractors, four-wheel drive systems, ejector seats, aeroplanes and ships are just some of the products that have been invented, designed or manufactured in Northern Ireland. It is also the birthplace of Harry Ferguson, one of the great innovators of the 20th century. His legacy lives on and is embedded in the MF Power Series range of generating sets.

All our machines up to MF970 Series are produced on powered automotive style assembly tracks by skilled operatives prior to load and functional testing in advanced test cells. The largest machines are assembled in a ultra modern high bay assembly hall with the most advanced testing facilities, available for multiple units up to 4000kVA capacity (low or high voltage).

Whatever your application, you will find a Massey Ferguson Power Series generating set to meet your needs.



Choose your perfect generating set

MF930 Series

Power: 10kVA - 66kVA

Overview: Our smallest range offering you desirable power in a compact package.

Sectors Served: Telecommunications, Construction, Residential, Retail.

MF950 Series

Power: 33kVA - 275kVA

Overview: Setting standards for others to follow. Full array of additional options.

Sectors Served: Construction, Residential, Agriculture, Industrial, Commercial.

MF970 Series

Power: 275kVA - 710kVA

Overview: A popular range including models to meet stringent emissions legislation.

Sectors Served: Industrial, Construction, Mining, Commercial, Events, Utility.

MF990 Series

Power: 715kVA - 3350kVA

Overview: Our largest generating set range, offering power you can depend on, when it counts.

Sectors Served: Data Centres, Healthcare, Commercial, Industrial, Banking.



MF930 Series

10 - 66 kVA

The smallest range from MF Power Series, the MF930 Series, offers reliable power in an ultra compact solution. The MF930 Series is powered by the world renowned Perkins and Mitsubishi engines and offers optimum fuel consumption.

A range of options are available to tailor your generating set to meet your needs, including optional canopy offering low noise level - perfect for urban locations.

Also available within the MF930 Series range is our telecoms generating set, offering an impressive solution for the telecommunications market. Integral high capacity fuel tanks and 500 hour service intervals are just a few of the many features of this model, specifically chosen to serve its purpose.



Attention to detail and high standards of engineering

Fuel Optimised

Model	50Hz				60Hz			
	Prime		Standby		Prime		Standby	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
MF10	9.0	7.2	10.0	8.0	-	-	-	-
MF14	13.0	10.4	14.3	11.4	-	-	-	-
MF17	14.3	11.4	15.7	12.6	-	-	-	-
MF22	20.0	16.0	22.0	17.6	-	-	-	-
MF33	30.0	24.0	33.0	26.4	33.8	27.0	37.5	30.0
MF50	45.0	36.0	50.0	40.0	56.3	45.0	62.5	50.0
MF55	50.0	40.0	55.0	44.0	60.0	48.0	66.3	53.0
MF66	60.0	48.0	66.0	52.8	67.5	54.0	75.0	60.0

Stage IIIA Emissions Compliant

Model	50Hz				60Hz			
	Prime		Standby		Prime		Standby	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
MF10	9.0	7.2	10.0	8.0	11.3	9.0	12.5	10.0
MF14	13.0	10.4	14.3	11.4	15.6	12.5	17.4	13.9
MF22	20.0	16.0	22.0	17.6	22.5	18.0	25.0	20.0



Ratings based on 3ph, 400/230 Volt, 0.8pf, 50 Hz
and 3 ph, 480/277 Volt, 0.8pf, 60 Hz

1 phase available - Refer to factory for further information

More details: Full product specifications are available on request.

MF950 Series

33 - 275 kVA

The MF950 Series from MF Power Series delivers exceptional performance, reliability, durability and low operating costs.

All models within the range are available in both open and sound attenuated versions, complete with a full array of optional extras to match your requirements.

Powered by the class-leading AGCO Power and Perkins engines the MF950 Series offers excellent fuel consumption and is well equipped to deal with even the most arduous of conditions.



Setting standards for others to follow

Fuel Optimised

Model	50Hz				60Hz			
	Prime		Standby		Prime		Standby	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
MF33	30.0	24.0	33.0	26.4	33.8	27.0	37.5	30.0
MF50	45.0	36.0	50.0	40.0	56.3	45.0	62.5	50.0
MF55	50.0	40.0	55.0	44.0	60.0	48.0	66.3	53.0
MF66	60.0	48.0	66.0	52.8	70.0	56.0	77.5	62.0
MF88	80.0	64.0	88.0	70.4	95.0	76.0	105.0	84.0
MF110	100.0	80.0	110.0	88.0	118.8	95.0	131.3	105.0
MF138	125.0	100.0	138.0	110.4	135.0	108.0	150.0	120.0
MF154	140.0	112.0	154.0	123.2	156.3	125.0	172.5	138.0
MF165	150.0	120.0	165.0	132.0	--	--	--	--
MF175	160.0	128.0	175.0	140.0	187.5	150.0	206.3	165.0
MF200	180.0	144.0	200.0	160.0	206.3	165.0	227.5	182.0
MF220	200.0	160.0	220.0	176.0	203.8	163.0	225.0	180.0
MF275	250.0	200.0	275.0	220.0	243.8	195.0	268.8	215.0

Ratings based on 3ph, 400/230 Volt, 0.8pf, 50 Hz and 3 ph, 480/277 Volt, 0.8pf, 60 Hz

Stage IIIA Emissions Compliant

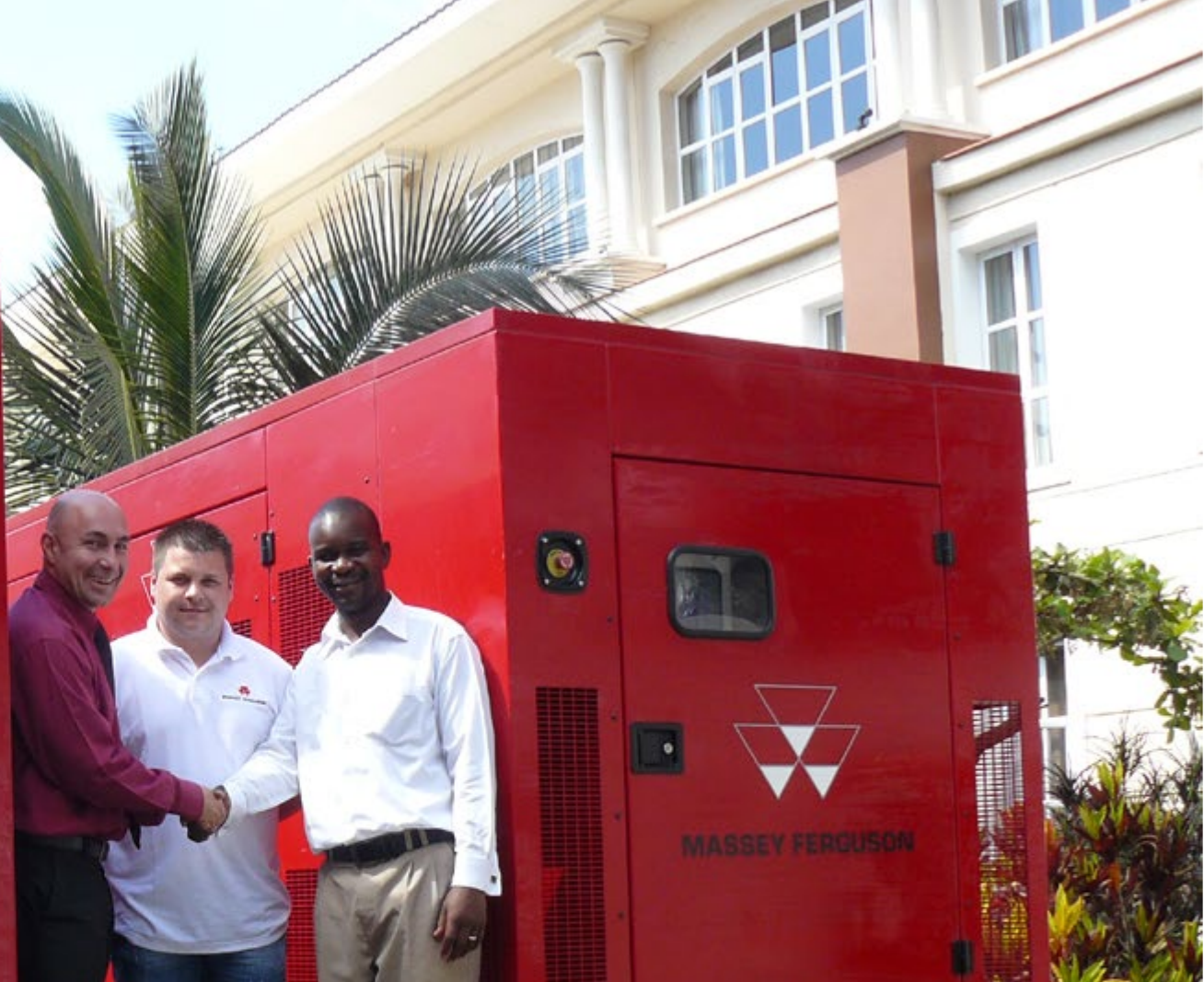
Model	50Hz			
	Prime		Standby	
	kVA	kW	kVA	kW
MF33	30.0	24.0	33.0	26.4
MF66	60.0	48.0	66.0	52.8
MF88	80.0	64.0	88.0	70.4
MF110	100.0	80.0	110.0	88.0



More details: Full product specifications are available on request.

MF970 Series

275 - 710 kVA



From whatever angle you look at it, there is no denying the high standards and attention to detail that have been applied to the design of the entire MF970 Series.

Ready to meet the demands of your industry, the MF970 Series boasts an array of standard features plus a complete range of additional options.

The MF970 Series is powered by Scania engines, with Perkins powering the largest models in the range. These engines offer high performance cooling systems, high uptime, low operational costs and long service intervals - delivering power you can depend on.

Speaks louder than words



Fuel Optimised

Model	50Hz				60Hz			
	Prime		Standby		Prime		Standby	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
MF280	250.0	200.0	280.0	224.0	281.3	225.0	312.5	250.0
MF310	280.0	224.0	310.0	248.0	306.3	245.0	343.8	275.0
MF330	300.0	240.0	330.0	264.0	325.0	260.0	368.8	295.0
MF360	330.0	264.0	360.0	288.0	362.5	290.0	412.5	330.0
MF375	350.0	280.0	375.0	300.0	387.5	310.0	437.5	350.0
MF400	370.0	296.0	400.0	320.0	412.5	330.0	462.5	370.0
MF440	400.0	320.0	440.0	352.0	431.3	345.0	500.0	400.0
MF460	410.0	328.0	460.0	368.0	450.0	360.0	512.5	410.0
MF500	450.0	360.0	500.0	400.0	500.0	400.0	556.3	445.0
MF550	500.0	400.0	550.0	440.0	--	--	--	--
MF600	550.0	440.0	600.0	480.0	537.5	430.0	593.8	475.0
MF660	600.0	480.0	660.0	528.0	650.0	520.0	718.8	575.0
MF710	650.0	520.0	710.0	568.0	712.5	570.0	781.3	625.0

Ratings based on 3ph, 400/230 Volt, 0.8pf, 50 Hz and 3 ph, 480/277 Volt, 0.8pf, 60 Hz

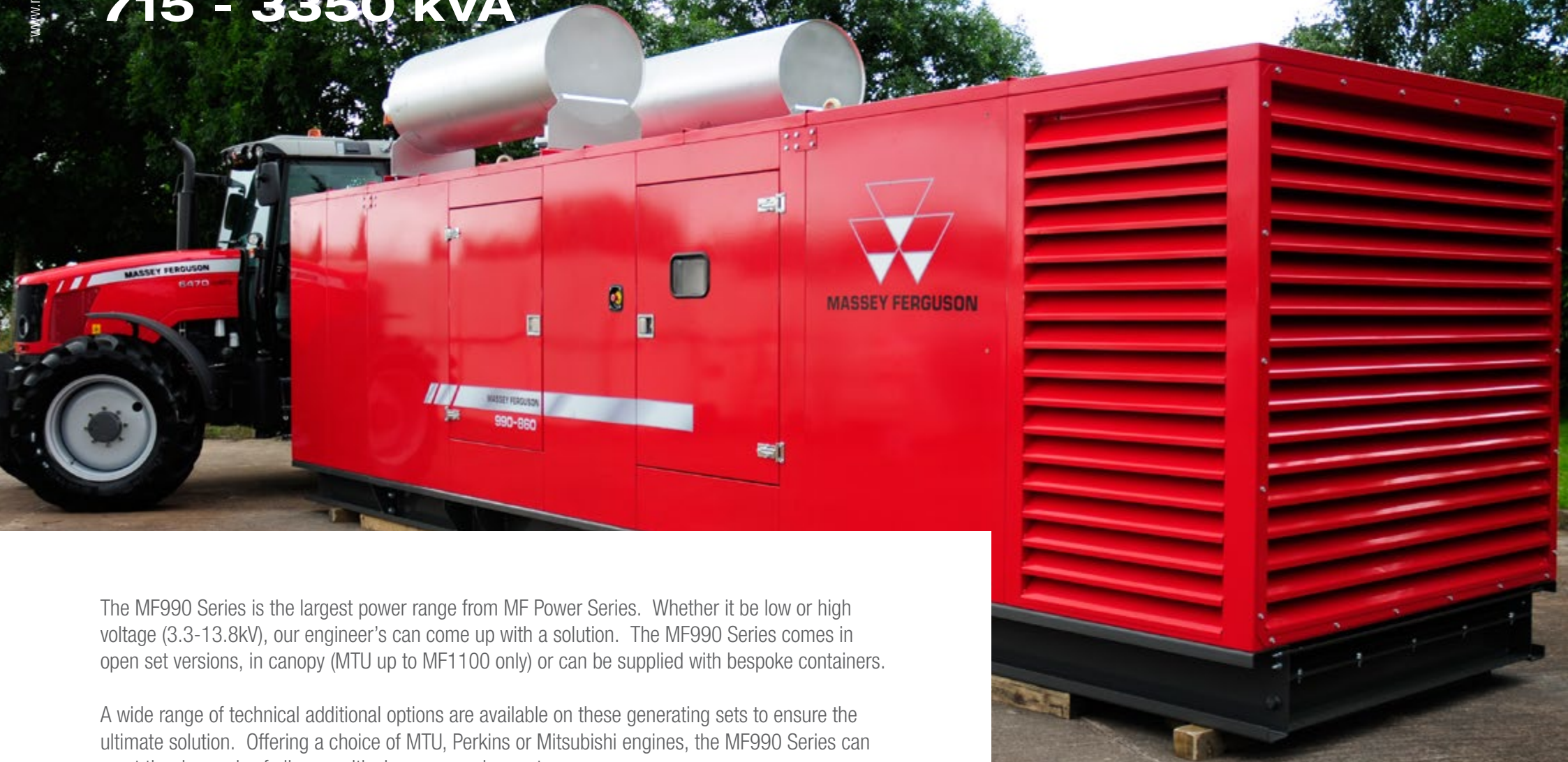
Stage IIIA Emissions Compliant

Model	50Hz	
	kVA	kW
MF280	250.0	200.0
MF310	280.0	224.0
MF330	300.0	240.0
MF360	330.0	264.0
MF375	350.0	280.0
MF400	370.0	296.0
MF440	400.0	320.0
MF460	410.0	328.0
MF550	500.0	400.0
MF600	550.0	440.0

More details: Full product specifications are available on request.

MF990 Series

715 - 3350 kVA



The MF990 Series is the largest power range from MF Power Series. Whether it be low or high voltage (3.3-13.8kV), our engineer's can come up with a solution. The MF990 Series comes in open set versions, in canopy (MTU up to MF1100 only) or can be supplied with bespoke containers.

A wide range of technical additional options are available on these generating sets to ensure the ultimate solution. Offering a choice of MTU, Perkins or Mitsubishi engines, the MF990 Series can meet the demands of all your critical power requirements.

Power solutions you can rely on

Model	50Hz				60Hz			
	Prime		Standby		Prime		Standby	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
MF715	650.0	520.0	715.0	572.0	787.5	630.0	875.0	700.0
MF800	730.0	584.0	800.0	640.0	750.0	600.0	825.0	660.0
MF860	800.0	640.0	860.0	688.0	906.3	725.0	1000.0	800.0
MF880	800.0	640.0	880.0	704.0	843.8	675.0	931.3	745.0
MF900	800.0	640.0	900.0	720.0	843.8	675.0	931.3	745.0
MF1000	910.0	728.0	1000.0	800.0	1031.3	825.0	1137.5	910.0
MF1100	1000.0	800.0	1100.0	880.0	987.5	790.0	1093.8	875.0
MF1220	1125.0	900.0	1220.0	976.0	RTF	RTF	RTF	RTF
MF1250	1125.0	900.0	1250.0	1000.0	1350.0	1080.0	1500.0	1200.0
MF1400	1275.0	1020.0	1400.0	1120.0	1312.5	1050.0	1450.0	1160.0
MF1500	1350.0	1080.0	1500.0	1200.0	1500.0	1200.0	1687.5	1350.0
MF1525	1400.0	1120.0	1525.0	1220.0	RTF	RTF	RTF	RTF
MF1650	1500.0	1200.0	1650.0	1320.0	1500.0	1200.0	1662.5	1330.0
MF1710	1540.0	1232.0	1710.0	1368.0	-	-	-	-
MF1770	1650.0	1320.0	1770.0	1416.0	1750.0	1400.0	2000.0	1600.0
MF1900	1725.0	1380.0	1900.0	1520.0	-	-	-	-
MF2035	1850.0	1480.0	2035.0	1628.0	1850.0	1480.0	2000.0	1600.0
MF2090	1915.0	1532.0	2090.0	1672.0	2062.5	1650.0	2250.0	1800.0
MF2230	2025.0	1620.0	2230.0	1784.0	2225.0	1780.0	2450.0	1960.0
MF2250	2080.0	1664.0	2250.0	1800.0	2375.0	1900.0	2625.0	2100.0
MF2260	2020.0	1616.0	2260.0	1808.0	-	-	-	-
MF2275	2085.0	1668.0	2275.0	1820.0	-	-	-	-
MF2360	2200.0	1760.0	2360.0	1888.0	RTF	RTF	RTF	RTF
MF2530	2300.0	1840.0	2530.0	2024.0	-	-	-	-
MF2550	2300.0	1840.0	2550.0	2040.0	2625.0	2100.0	2875.0	2300.0
MF2835	2575.0	2060.0	2835.0	2268.0	RTF	RTF	RTF	RTF
MF3070	2790.0	2232.0	3070.0	2456.0	2906.3	2325.0	3187.5	2550.0
MF3125	2840.0	2272.0	3125.0	2500.0	3125.0	2500.0	3500.0	2800.0
MF3260	3025.0	2420.0	3260.0	2608.0	RTF	RTF	RTF	RTF
MF3350	3025.0	2420.0	3350.0	2680.0	3500.0	2800.0	4000.0	3200.0

Ratings based on 3ph, 400/230 Volt, 0.8pf, 50 Hz and 3 ph, 480/277 Volt, 0.8pf, 60 Hz.

Ratings may vary with engine / alternator choice.

- Not Available
RTF Refer to Factory for ratings

More details: Full product specifications are available on request.

Sound attenuated enclosures

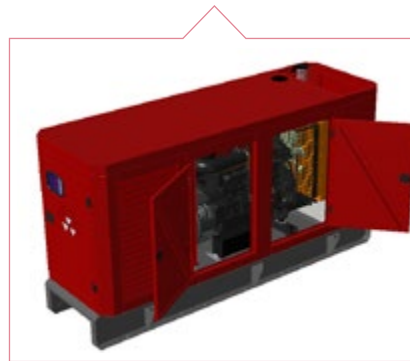
MF Power Series weather protective and sound attenuated enclosures deliver durability and security for your generating set.

Manufactured from pre-treated galvanised steel and coated with polyester powder coated paint, the canopies are designed with low velocity airflow to prevent the ingress of water, sand and dirt.



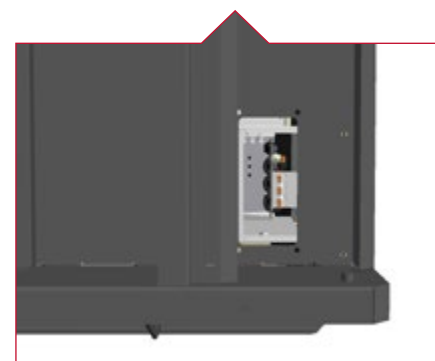
Noise absorbent materials

Enclosure is fully lined with noise absorbent material, as standard, to ensure low noise levels.



Servicing made easy

Large hinged doors provide access to all necessary components during installation and servicing. Lift-off hinges also available.



Convenient cable access

Large aperture cable gland plate positioned below circuit breaker for ease of cable installation.

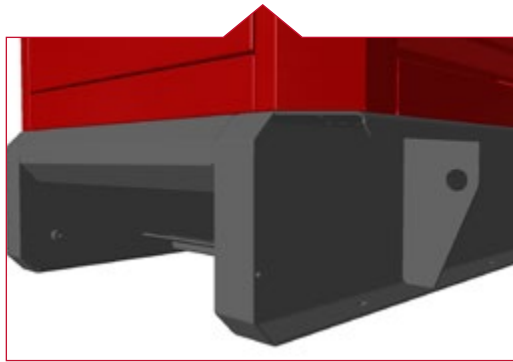
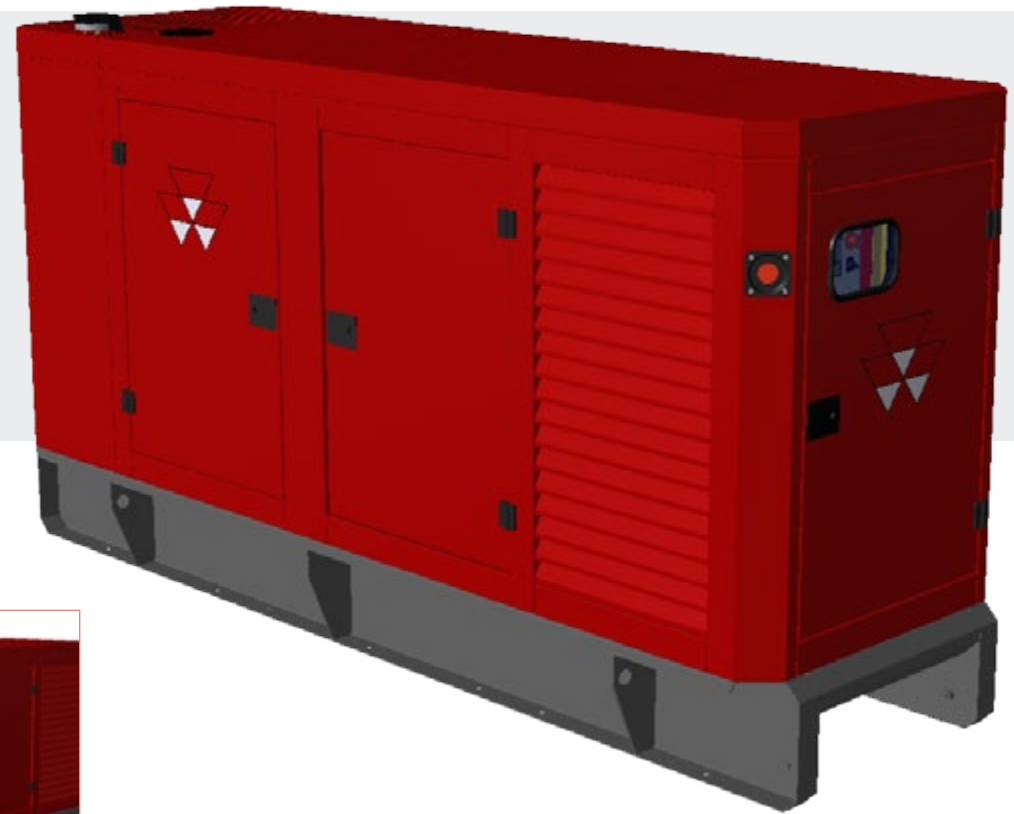


Internal exhaust silencer system

The exhaust silencer system is safely enclosed in the outlet of the enclosure.

This is extremely advantageous to the operational life of the engine and alternator and will ensure your MF Power Series sound attenuated generating set will operate in even the harshest conditions.

Also available are bespoke containers for the entire range of MF Power Series generating sets.



Innovative design

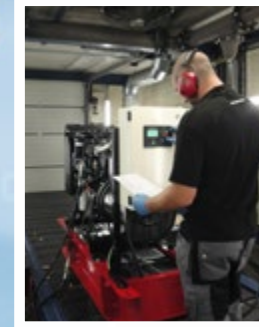
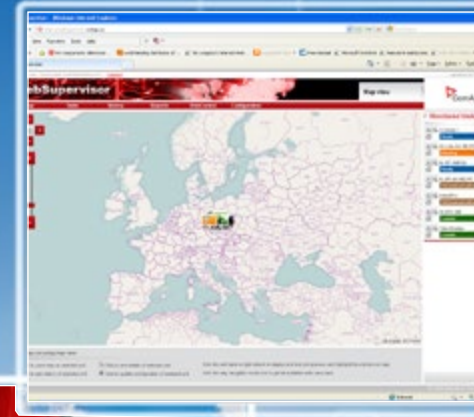
At each stage of the design process each decision is evaluated to ensure a machine has low noise levels, high ambient clearance, low intake velocity whilst having a compact modern style.



Corrosion & damage resistant

Fully galvanised steel enclosure coated in highly durable polyester powder paint.

For extra protection



Digital control systems



Operation made easy using the most up-to-date control systems.

MF Power Series can provide a control system to meet all your needs. The modern range of digital control systems offers flexibility for the user, ease of use and optimises the performance of your generating set.

iLogic3000 - manual, remote start.

iLogic3200 - manual, remote start, liquid crystal display, full instrumentation and optional remote monitoring.

iLogic3250 - enhanced InSight3200 model, complete with a host of extra features.

iLogic4000 - full automatic mains failure supervision capability, optional remote monitoring.

iLogic6000 - automatic synchronisation of up to 32 units with load management features.

ATSc - automatic transfer switch controller to provide automatic control of your standby generating set in the event of a power outage.

Remote communications solutions

Remote communications options are available with all MF Power Series digital control systems (excluding iLogic3000). Remote communication can give many advantages including reducing the need for site visits, minimising downtime, prioritising maintenance and alarm notification.

More details: Full product specifications are available on request.

Specifications

Our range of generating sets are packed with standard features including robust base frame, low lube oil pressure shutdown, overspeed protection, high coolant temperature shutdown, low battery voltage alarm, battery charging system failure, industrial silencer (optional extra on MF990), 3 pole suitably rated circuit breaker (optional extra on MF990), fuel tank level gauge, emergency stop push button and base fuel tank (not applicable to MF990).

Series	MF930	MF950	MF970	MF990
Control System				
InSight3000	●	●	-	-
InSight3200	○	○	●	●
InSight3250	○	○	○	○
InSight4000	○	○	○	○
InSight6000	-	○	○	○
Control panel heater	-	○	○	○
Programming Kit (3200/3250/4000)	○	○	○	○
G59 / G10 main protection relay	-	○	○	○
Remote display panel (3200/3250/4000/6000)	○	○	○	○
Protection alarms (various)	○	○	○	○
Communications				
Volt free contacts	○	○	○	○
GSM Modem Kit				
Remote communications solution	○	○	○	○
Automatic Load Transfer Panels				
ATS (40 Amp - 4000 Amp)	○	○	○	○
Sound Attenuated Enclosure	○	○	○	○
Engine				
Electronic governor	-	○	●	●
Coolant drain	-	-	●	●
Coolant heater	○	○	○	○
Lube oil drain (standard on canopied sets)	○	○	●	●

Series	MF930	MF950	MF970	MF990
Engine cont.				
Lube oil drain pump	○	○	○	○
Approaching low lube oil pressure alarm	○	○	○	-
High lube oil temperature shutdown	-	-	-	○
Alternator				
Anti- condensation heater	○	○	○	○
Permanent magnet generator (PMG)	-	○	○	○
Programming interface kit	○	○	○	○
Radio frequency interference suppression kit (RFI)	●	●	●	●
Upgrade AVR from 1-phase to 3-phase sensing	-	○	○	○
Ultra low harmonics kit	○	○	-	-
Total plus winding protection	○	○	○	○
Upgrade from IP21 to IP23 protection	●	○	○	-
Radiator				
Transition mounting flange*	-	○	○	○
Flexible transition duct*	-	○	○	○
Sound attenuator*	-	○	○	○
Weather louvre*	-	○	○	○
* open sets only				
Standard coolant solution (30% antifreeze)	●	●	●	●
Low ambient coolant solution (50% antifreeze)	○	○	○	○

Also available is a complete array of optional extras to ensure your MF Power Series generating set meets your needs entirely.

Please Note: Some options dependant on open/ canopied generating set and are model dependant.

- Standard
- Optional
- Not available/ Not applicable
- RTF** Refer to Factory



Series	MF930	MF950	MF970	MF990
Alternator cont.				
Low coolant temperature alarm	-	-	○	○
Approaching high coolant temperature alarm	○	○	○	○
Low coolant level alarm	-	○	○	○
Baseframe / Handling				
Bunded fuel base tank	○	○	○	RTF
Bunded base tank with leak detection	-	○	○	RTF
Integral single skinned tank (600, 1000, 1300 litres - canopied sets only)	○	-	-	-
Extended bunded metal base tank	-	○	-	-
Single point lift (canopied sets only)	○	○	○	-
Captive anti-vibration mounts (required for trailer sets)	○	○	○	-
Fuel				
Base tank	●	●	●	RTF
Fuel tank level gauge	●	-	-	RTF
Fire valve kit	-	○	○	RTF
Low fuel level alarm	○	○	○	RTF
Analogue fuel level measurement	○	○	○	RTF
4 Position fuel level switch	○	○	○	RTF
3 Way dual valve with single lever operation	○	○	○	RTF
Manual fuel transfer pump & hose	-	○	○	RTF
Automatic fuel transfer system	-	○	○	RTF

Series	MF930	MF950	MF970	MF990
Exhaust				
Industrial silencer mounting kit	○	○	○	○
Residential silencer (loose) standard on canopy sets	○	○	○	○
Residential silencer mounting kit	○	○	○	○
Stainless steel bellows (standard on canopy sets)	○	○	●	○
AC Power Out (3 Phase)				
Upgrade to 4 pole circuit breaker	○	○	○	○
Auxiliary contact in circuit breaker	○	○	○	○
16A/32A/63A CEE Form Socket - 50Hz only	RTF	RTF	RTF	-
Motorised kit for circuit breaker	-	○	○	○
Earth leakage protection for main circuit breaker	○	○	○	○
Battery				
Battery isolator switch	○	○	○	○
Static battery charger incl. BC failure	○	○	○	○
Static battery charger incl. BC failure & boost	○	○	○	○
Other Accessories				
Road Trailer (canopied sets only)	○	○	-	-
Sound attenuated container	○	○	○	○
Tool kit	○	○	○	○
Packing case (open set)	○	○	-	-
CE certification	○	○	○	○
Additional operators manual	○	○	○	○

Tractor Drive Range



More power to you

MF Power Series tractor drive generating sets are supplied worldwide to a range of applications, mostly in the agricultural sector, however they are highly flexible and can be used anywhere where power is needed and a tractor drive is available.

- Simple and reliable control systems for ease of use
- Robust solid frame and great impregnation system
- Made using the latest technology
- Compact design with high efficiency

Alternator

Industrial duty with high capacity for electric motors. Self-regulating, synchronous with continuous ratings based on ambient temperatures of 40°C.

Control Box

The control box is rear facing providing easy monitoring from tractor. It is protected to IP54 and contains Voltmeter, Ampmeter and Frequency meter set. It is fitted with sockets for simple connection whilst protecting the user from mis-use.

Gearbox

Heavy-duty high quality oil bath gearbox with protective plastic shaft guard.

Frame

Mechanically welded frame with 3-point linkage system. With easy lifting points for simple transportation.

Single Phase Tractor Drive Generating Set Range

Model	50 Hz Output		RPM Driven Shaft		Estimated	
	1ph kVA	RPM Alt	RPM	Weight	HP	
MF TD 25/2	16.5	3000	435	200kg	50	
MF TD 30/2	19.8	3000	435	210kg	60	
MF TD 40/2	26.4	3000	435	350kg	80	

Includes: Alternator, gearbox, guard, frame and panel. Industrial, self regulating, synchronous, regulation +/- 4.0%. Voltage/Phase: 220/110V, 1 phase. Alternator speed/Hz: 3000rpm, 50Hz (2 pole).

Three Phase Tractor Drive Generating Set Range

	Model	50 Hz Output		RPM Driven Shaft		Estimated	
		3ph kVA	RPM Alt	RPM	Weight	HP	
2 Pole	MF TD 19/2	19	3000	435	132kg	40	
	MF TD 25/2	25	3000	435	200kg	50	
	MF TD 30/2	30	3000	435	210kg	60	
	MF TD 40/2	40	3000	435	228kg	75	
4 Pole	MF TD 20/4	20	1500	430	230kg	40	
	MF TD 25/4	25	1500	430	245kg	50	
	MF TD 30/4	30	1500	430	310kg	60	
	MF TD 40/4	40	1500	500	350kg	80	
	MF TD 50/4	50	1500	500	365kg	90	
	MF TD 60/4	60	1500	500	378kg	100	
	MF TD 70/4	70	1500	500	396kg	112	

Includes: Alternator, gearbox, guard, frame and panel. Industrial, self regulating, synchronous, regulation +/- 4.0%. Voltage/Phase: 415/230V, 3 phase. Alternator speed/Hz: 1500/3000rpm, 50Hz (2/4 pole).

Support. When you need it.



Massey Ferguson Power Series and our extensive network of distributors are committed to finding the right product for you and then supporting you with the best service, parts, training and commissioning, when you need it. We are always ready to go the extra mile to support your purchase.

We can offer tailored generating set training courses from basic to advanced level. These are available on location or at the modern MF Power Series training suite at the factory in Northern Ireland.



One of the key criteria for all our customers is the availability of parts. We recognise this and invest resources in making sure the correct parts are available in the quickest time. We also spend time training our distributors and their engineers to ensure they fully understand your parts requirements.

We are committed to keeping your machines running.



MASSEY FERGUSON

A world of experience. Working with you.

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