

New Series



JPN Industrial Trading Pte Ltd



SAFETY

- Operate safely in accordance with proper operation manual.
- To prevent trouble and accidents, perform daily and preventive



**Much Quieter, much Easier for
Operation and Application.**

The Advanced Generator.

**MCWEL MGC、MGP、MGK、MGI、
Series Engine Generators**

MGC310s
Diesel Brushless Generator



Environmental Amenity

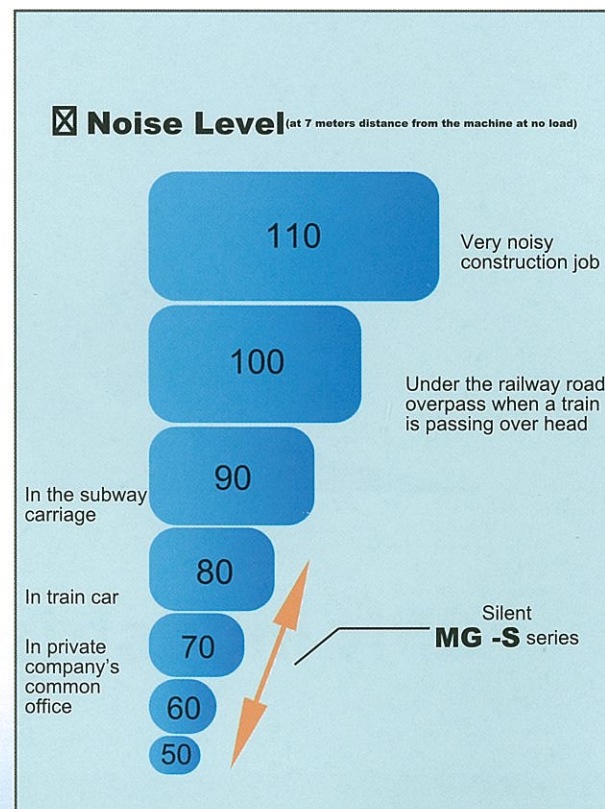
◆ Quietude

Operation sound has been minimized because they are driven by low noise engines and equipped with large capacity soundproof muffler and specially designed exhaust system to reduce exhaust noise. MCWEL series generators are so fully panel-constructed that structural clearance and space are reduced to a minimum. The operation noise have also been minimized by equipment of combined suction duct.

Further, the exhaust muffler is specially designed to be supported by a special-designed supporting structure, total vibration of the machine has been reduced.

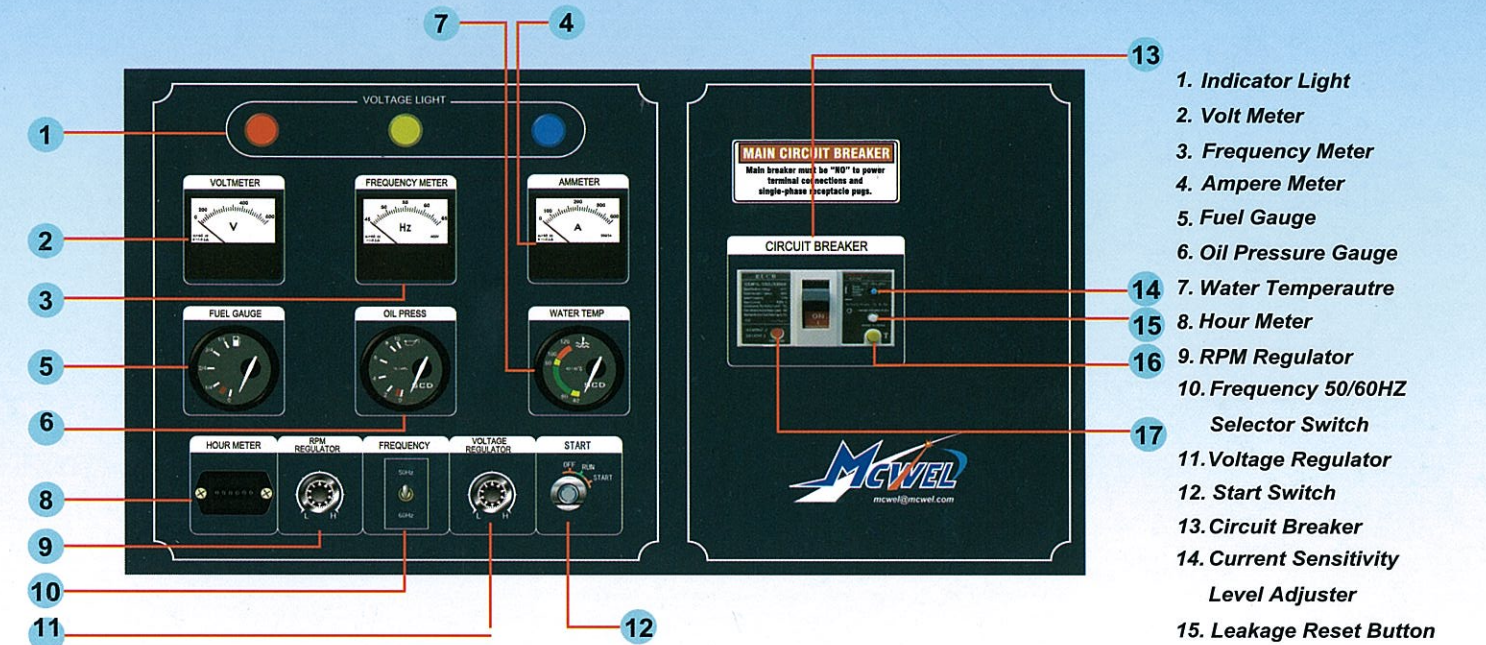
◆ Newly-Designed Panel Construction

The bonnet is of panel constructed type for easily dismantling and assembling for maintenance.



Generator Performance

◆ Control Panel

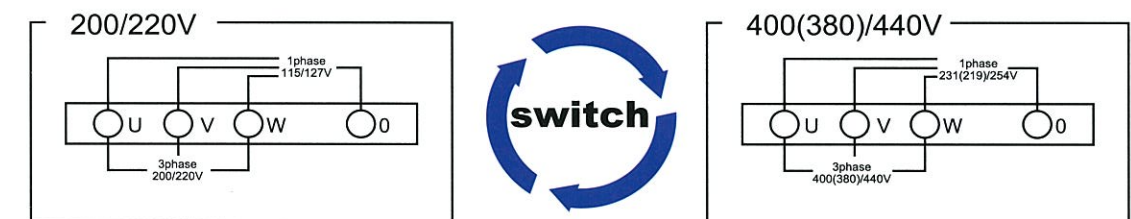


Control devices for generator and electrical appliances for engine are concentrated inside the control panel for better maintenance.

◆ Dual Voltage Models

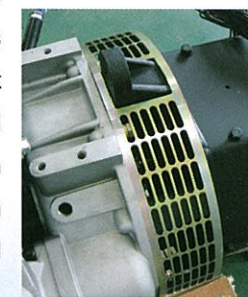
By changing over the short connecting plate in the control panel, the three phase output voltage can be switched to 200/220V from 400(380)/440V and vice versa.

When starting engine, the indication lamp at the operation panel goes on to display the operating voltage immediately.

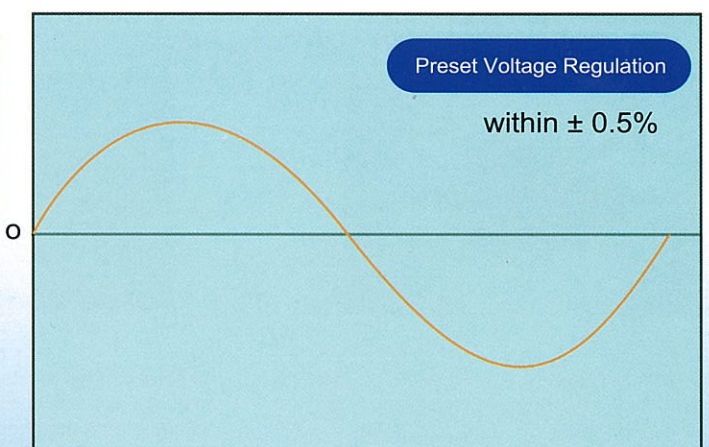


◆ Better Generating Performance

MCWEL series generators are mounted by such brushless alternator with transient reactance much reduced, and negative phase yield strength more increased and deflection of output wave form minimized due to reinforced damper coil.



Therefore, they are suitably applicable for inverter load, thyristor load, computer control lighting load, precision instruments and instrumental devices.

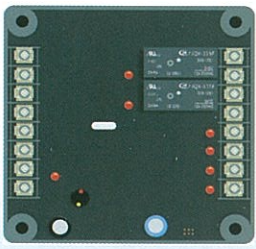
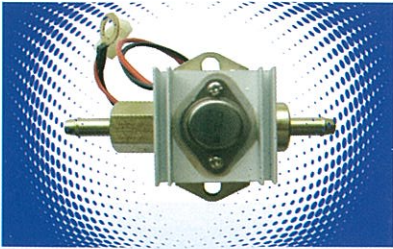


Light with Generator



Model: ML1000-8				
		Generator		Light Tower
Engine	Model	KD488J	Total Power of Lamps	1000W * 8
	Max. Output (1500rpm/1800rpm)	18.0/21.6KW	Mast	Manual
	Rated Output	16.4/19.6KW	Lamp Frame	3
	Fuel Consumption	4.39 l/hr	Max. Height of the Mast	6000mm
Alternator	Model (Genfor)	GF20	Min. Height of the Mast	2850mm
	Rated Output (50HZ/60HZ)	12.8/16KW	Folded Size	3150mm
	Rated Voltage	16/20KVA	1st section	1600
	Rated Voltage	400/440V;200/220V	2nd section	1340
	Frequency	50HZ/60HZ	3rd section	1340
	Power Factor	0.8	4th section	1340
	Class of Rating	Prime	Inclination	< 10
Total	No. of Phase	3	Windproof Ability	< 6
	Fuel Tank Capacity(l)	70	Continuous Operating	12h
	Rack Dimensions(LxWxH)(mm)	2300 x 990 x 1390		
	Weight(kg)	1450		

- ◆ Electric Fuel Feed Pump
- ◆ Safty Controller(12/24V)
- ◆ Additional Water Separator Installed



This additional feature will eliminate “air-lock” problem as it will automatic bleed air caught in the fuel system.

Feature is an automatic safety device which will automatically stop the unit from further operating when defects like overheating of unit and deficiency in lubricant/water are detected

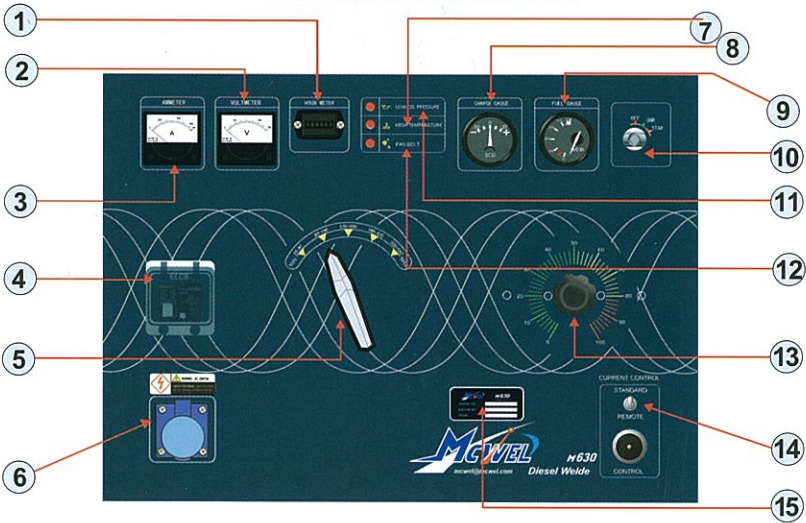
With this water separator , it will enhance the life span of the fuel pump and nozzles by reducing water and its vapor drawn to the fuel pump and nozzles.

Welding Generator Performance

◆ Diesel Engine-DrivenHigh Performance Welding Generator



CONTROL PANEL



1. Running Hour Meter
2. Voltmeter
3. Ammeter
4. Elcb
5. Ampere Selector Switch(55-90/85-190/125-300/185-425/300-550)
6. AC230V/13A
7. Temperature Indicator Light
8. Charge Gauge
9. Fuel Gauge
10. On-Off Key Switch
11. Oil Pressure Indicator Light
12. Fan Belt
13. Min/Max Fine Adjustment Switch
14. Optional
15. Serial Number Plate

SPECIFICATIONS					
SET MODEL			MCWEL - M630 DIESEL WELDER		
D C W E L D E R	Type	DC Output	E N G I N E	Model	F3L912
	Rated Output	KW 26.4		Type	Air-Cooled Industrial Diesel Engine
	Rated Current	A 600		Rated Output	KW 29
	Voltage	V 20 ~ 45		Rated Speed	rpm 1800 / 60Hz
	Current Range	A 55 ~ 550		Cooling System	Air-Cooling Environmental Conditions
	Open-Circuit Voltage	V 95		Driving System	Direct Coupling
	Rated Duty Cycle	% 60		Fuel Oil	Light Diesel Oil
	Rated Speed	rpm 1800 / 60Hz		Lubricating System	Gear Pump
Applicable Electrode	mm 1.6 ~ 8.0	Starting System	Electric Motor		
P O W E R	Type	AC Output	Battery Capacity	12V - 80AH	
	Rated Output	KW 3 (1-Phase Version)	Fuel Tank Capacity	ℓ 90	
	Rated Current	A 13 ; 27	Dimensions	L 1525	
	Rated Voltage	V 230 ; 110		W mm 760	
	Rated Speed	rpm 1800 / 60Hz		H 1050	
Rating	Continuous	Net weight (dry, approx.)	Kg 900		



MCWEL GENERATOR SET

JPN INDUSTRIAL TRADING PTE LTD (Reg. No: 198804645E)
13A Pandan Crescent, Singapore 128478; Main: +(65) 62889991 Fax: +(65) 63831428
email:<philip@jpn.sg>, web:<http://www.jpn.sg>



Generator Model		MGK16S	MGK20S	MGI31S	MGI37S	MGP90S
ENGINE	Model	KD388G	KD488J	4JB1 493	4JB1T 493	1004TG Lovol
	No. of Cylinder	3	4	4	4	4
	Type	Water-Cooled Industrial Diesel Engine				
	Displacement (ℓ)	1.642	2.19	2.8	2.8	3.99
	Maximum Output (1500rpm/1800rpm)	13.5/16.3KW	18.0/21.6KW	27/31KW	32/38KW	72.3/90.4KW
	Rated Output (1500rpm/1800rpm)	12.3/14.8KW	16.4/19.6KW	24/28KW	28/34KW	65.7/82.1KW
	Fuel Consumption (7590 Load)	3.29 ℓ/hr	4.39 ℓ/hr	6.21 ℓ/hr	7.32 ℓ/hr	15.85 ℓ/hr
ALTERNATOR	Model (Genfor)	GF16	GF20	GF31	GF37	GF90
	Rated Output (50HZ / 60HZ)	10.8/13.5KW 13.5/16.8KVA	12.8/16KW 16/20KVA	20/26KW 25/32.5KVA	25/30KW 31.3/37.5KVA	60/75KW 75/93.7KVA
	Rated Voltage	400/ 440V; 200/ 220V				
	Frequency	50HZ / 60HZ				
	Power Factor	0.8				
	Class of Rating	Prime				
	No. of Phase	3				
Dimensions(mm) LxWxH		1500×720×1030	1600×720×1030	1850x760x1050		2400x920x1250
Fuel Tank Capacity (ℓ)		70	75	81		170
Weight (kg)		600	800	800		1400



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Generator Model		MGC48S	MGC65S	MGC125S	MGC156S	MGC225S	MGC260S	MGC310S	MGC400S
ENGINE	Model	4BT3.9-G1 Cummins	4BTA3.9-G2 Cummins	6BT5.9-G1 Cummins	6BTA5.9-G2 Cummins	6CTA8.3-G2 Cummins	6CTAA8.3-G2 Cummins	6LTAA8.9-G2 Cummins	QSM11-G2 Cummins
	No. of Cylinder	4	4	6	6	6	6	6	6
	Type	Water-Cooled Industrial Diesel Engine							
	Displacement (ℓ)	3.9	3.9	5.9	5.9	8.3	8.3	8.9	10.8
	Maximum Output (1500rpm/1800rpm)	40/50KW	55/68.8KW	92/115KW	130/162.5KW	180/225KW	203/253.8KW	240/300KW	321/351KW
	Rated Output (1500rpm/1800rpm)	36/45KW	50/62.5KW	86/107.5KW	120/150KW	163/203.8KW	183/228.8KW	220/275KW	292/319KW
	Fuel Consumption (7590 Load)	9.3 ℓ/hr	13.1 ℓ/hr	21.4 ℓ/hr	29 ℓ/hr	39.8 ℓ/hr	44.5 ℓ/hr	50.4 ℓ/hr	69 ℓ/hr
ALTERNATOR	Model (Genfor)	GF48	GF65	GF125	GF156	GF225	GF260	GF310	GF 400
	Rated Output (50HZ / 60HZ)	30/39KW 37/48KVA	40/52KW 50/65KVA	80/100KW 100/125KVA	100/125KW 125/156KVA	140/180KW 175/225KVA	160/208KW 200/260KVA	200/250KW 250/312KVA	260/315KW 325/394KVA
	Rated Voltage	400/ 440V; 200/ 220V							
	Frequency	50HZ / 60HZ							
	Power Factor	0.8							
	Class of Rating	Prime							
	No. of Phase	3							
Dimensions(mm) LxWxH		2300x920 x1350	2300x920 x1350	2700x980 x1470	2900x1050 x1500	3100x1100 x1600	3100x1200 x1700	3400x1250 x1800	3900x1350 x2000
Fuel Tank Capacity (ℓ)		100	130	140	210	270	280	305	500
Weight (kg)		1100	1200	1600	1800	2400	2600	3250	3900