

MJD SERİSİ

275-850 kVA

GENERAL FEATURES



Canopy

- Modular Type Sound-Proof Canopy
- Canopy Installation Executed with Screw and Nut, without Welding Process
- Epoxy and Polyester Powder Painted Canopy
- Canopy Designed for Easy Maintenance
- Lockable Doors on Both Sides of Canopy
- Emergency Stop Button on the Outside Surface of Canopy
- Transparent Panel Inspection Window
- Galvanised Canopy
- Refilling from the Outside of the Canopy

General Features of Open Type Generator

- 4 Stroke, Water Cooled, 1500 rpm Heavy Duty Type Diesel Engine
- Direct Injection
- Assembled Tropical Type Cooling System Radiator
- Mechanical / Electronic Speed Control
- Kartric Type Dry Type Air Filter
- Kartric Type Oil and Fuel Filter
- Lubrication Oil Discharge Safety Valve
- Flexible Fuel Hoses with Diesel Engine Mount
- Welded Shaped Strong Steel Chassis
- In-Chassis Fuel Depot
- Vibration Prevention Chassis Ground Wedges
- 12/24 VDC Electric Starter Motor and Charger Alternator
- 12/24 VDC Maintenance-Free Start Acacle 'Insulated Battery Cabling'
- Industrial Type Custom Design Silencer and Stainless Steel Compensator
- Automotive Models, Steel Body, Thermostat Motor Jacket Water Heater
- 3 Poles / 4 Poles Power Transfer Panels
- Generator Installation Instruction, Maintenance Manual, Operation Manual and Electric Schematics

Optional Equipments

- Analog Type Display Option
- Moulded Circuit Braker (in Automatic Models)
- Hospital/Critical Type Silencer
- Sound-Proof Canopy
- Mobile-Trailer
- Synchronization System Options
- Fuel and Oil Heater
- Control and Power Transfer Panel Heater Option
- AC Alternator Heater
- PMG Warning System
- Automatic Fuel Filling System
- Fuel-Water Separator Filter

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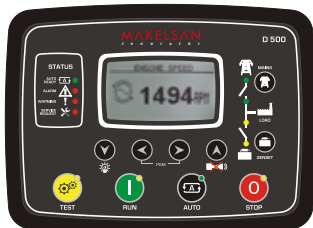
Protection Features for the Generator System

- Low Radiator Water Level
- High Water Temperature
- Low Oil Pressure
- High and Low Engine Speed
- Over Current Load
- High and Low Gen-Set Voltage
- Fuel Level
- Battery Low Voltage
- Battery Charge
- Start / Stop Failure



Generator Control Panel

- Automatic Generator Control Unit with LCD Display
- 12/24 VDC Battery Supply Unit
- Line Head Breaker
- Reinforced Line Relay
- Electrical Installation Line Sockets
- USB Port and RS-485 Output
- Audible Alarm (Buzzer)



Generator Control Unit

Features

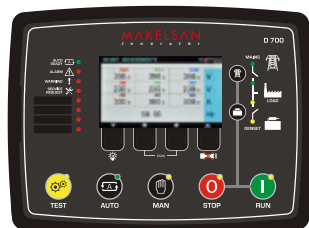
- Long-Term Data Storage on Flash Memory
- Synchronoscope Indicator
- J1939 CANBUS Electronic Engine Support
- Remote Control via SMS
- G-59 Network Protection
- Soft Grip Load and Unload
- Generator Coaxial Aging
- Built-in Governor Control
- Full Isolated Internal AVR Control
- All Parameters can be changed from Front Panel
- 3 Level Program Password
- 128x64 Pixel Graphic LCD
- Language Loading
- Fuel Filling and Fuel Stealing Alarms
- Mobile Generator Support

Functions

- Parallel with Multiple Generator Network
- Multi-Generator to Network Power Transfer
- AMF and ATS Control with Continuous Transfer
- Remote and Manual Start Control
- Remote Monitoring and Control Module

Communications

- Ethernet 10/100 Mbit/s
- RS-485 Modbus
- RS-232
- Micro SD Card Input
- GPS (Optional)



Alternator

- Standard 50 Hz, 400/230 VAC Output Voltage
- Brushless, Single Bearing, Flexible Disc 4 Poles Alternator for Harmonic Failure
- H Type Insulation Class
- IP 21-23 Protection Class
- Self Exciter
- Electronic Automatic Voltage Regulator
- Stator 2/3 Step for Harmonic Failure
- The Alternator Windings are Protected by Insulating Varnish against Oil and Acid



MJD SERIES 275-400 kVA

Technical Specifications



GROUP	MODEL			MJD275	MJD330	MJD385	MJD400
	Power	Stand By	kVA	275	330	385	400
			kW	220	264	308	320
		Prime	kVA	250	300	350	365
			kW	200	240	280	292
ENGINE	Brand			DEUTZ			
	Type			BF6M1015C LA G1A	BF6M1015C LA G2A	BF6M1015C LA G3A	BF6M1015C LA G4
	Power	Stand By	kW	271	285	314	345
		Prime	kW	247	259	285	313
	Speed (rpm)			1500	1500	1500	1500
	Cycle			4	4	4	4
	Displacement (lt)			11.9	11.9	11.9	11.9
	Number of Cylinders			6 V Type	6 V Type	6 V Type	6 V Type
	Bore x Stroke (mm)			132 x 145	132 x 145	132 x 145	132 x 145
	Compression Rate			16.5:1	16.5:1	16.5:1	16.5:1
	Governor Type			Mechanic / Electronic			
	Induction			Turbocharged & Intercooler			
	Combustion System			Direct Injection			
	Cooling System			Water Cooled			
	Fuel Consumption lt / h	100% of Prime Power		52	60,1	70	72,8
		75% of Prime Power		39,5	45,1	52,4	54,6
		50% of Prime Power		26,8	31	34,7	36,9
	Lubrication System Capacity (lt)			36	36	36	36
	Coolant Capacity (lt)			62	62	62	62
	Fuel Tank Capacity (lt)			565	760	760	760
ALTERNATOR	Output Voltage (V)			400/230			
	Power Factor			0.8			
	Number of Poles			4			
	Frequency (Hz)			50			
	Voltage Regulation			±%0,5			
	Connection Type			Star			
DIMENSIONS	Canopy Dimension (WxDxH) (mm)			1400 x 3300 x 2500	1700 x 3300 x 2270	1700 x 3300 x 2270	1700 x 3300 x 2270
	Canopy Weight (kg)			2900	4000	4200	4300
	Open Dimension (WxDxH) (mm)			1400 x 3000 x 2600	1700 x 2850 x 2170	1700 x 2850 x 2170	1700 x 2850 x 2170
	Open Weight (kg)			2400	2730	2900	2925

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MJD SERIES 440-600 kVA

Technical Specifications



MODEL				MJD440	MJD500	MJD525	MJD600
GROUP	Power	Stand By	kVA	440	500	525	600
			kW	352	400	420	480
		Prime	kVA	400	455	475	550
			kW	320	364	380	440
	ENGINE	Brand			DEUTZ		
Type			BF6M1015CP LAG	BF8M1015C LA G1A	BF8M1015C LA G2	BF8M1015CP LA G3	
Power		Stand By	kW	365	418	440	509
		Prime	kW	332	380	400	463
Speed (rpm)			1500	1500	1500	1500	
Cycle			4	4	4	4	
Displacement (lt)			11.9	15.9	15.9	15.9	
Number of Cylinders			6 V Type	8 V Type	8 V Type	8 V Type	
Bore x Stroke (mm)			132 x 145	132 x 145	132 x 145	132 x 145	
Compression Rate			16.5:1	16.5:1	16.5:1	16.5:1	
Governor Type			Mechanic / Electronic				
Induction			Turbocharged & Intercooler				
Combustion System			Direct Injection				
Cooling System			Water Cooled				
Fuel Consumption lt / h		100% of Prime Power		77,1	88,6	93,3	108
		75% of Prime Power		57,8	66,5	69,9	81
		50% of Prime Power		39,2	45,2	47,2	55
Lubrication System Capacity (lt)			36	48	48	48	
Coolant Capacity (lt)			67	87	87	93	
Fuel Tank Capacity (lt)			760	1145	1145	1145	
ALTERNATOR	Output Voltage (V)			400/230			
	Power Factor			0.8			
	Number of Poles			4			
	Frequency (Hz)			50			
	Voltage Regulation			±%0,5			
	Connection Type			Star			
DIMENSIONS	Canopy Dimension (WxDxH) (mm)			1700 x 3300 x 2270	1800 x 3650 x 2310	1800 x 3650 x 2310	1800 x 3650 x 2310
	Canopy Weight (kg)			4350	4400	4400	4520
	Open Dimension (WxDxH) (mm)			1700 x 2850 x 2170	1800 x 3200 x 2210	1800 x 3200 x 2210	1800 x 3200 x 2210
	Open Weight (kg)			2935	3150	3150	3380

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MJD SERIES 630-850 kVA

Technical Specifications



	MODEL			MJD630	MJD700	MJD850
GROUP	Power	Stand By	kVA	630	700	850
			kW	504	560	680
		Prime	kVA	567	636	765
			kW	453	509	688
ENGINE	Brand			DEUTZ		
	Type			BF8M1015CP LA G4	BF8M1015CP LA G5	HC12V132ZL
	Power	Stand By	kW	595	655	740
		Prime	kW	540	595	660
	Speed (rpm)			1500	1500	1500
	Cycle			4	4	4
	Displacement (lt)			15.9	15.9	15.9
	Number of Cylinders			8 V Type	8 V Type	8 V Type
	Bore x Stroke (mm)			132 x 145	132 x 145	132 x 145
	Compression Rate			16.5:1	16.5:1	16.5:1
	Governor Type			Mechanic / Electronic		
	Induction			Turbocharged & Intercooler		
	Combustion System			Direct Injection		
	Cooling System			Water Cooled		
	Fuel Consumption lt / h	100% of Prime Power		133	138	155
		75% of Prime Power		74	79	116
		50% of Prime Power		60	62,5	77
	Lubrication System Capacity (lt)			48	48	48
	Coolant Capacity (lt)			93	87	111
	Fuel Tank Capacity (lt)			1145	1145	1250
ALTERNATOR	Output Voltage (V)			400/230		
	Power Factor			0.8		
	Number of Poles			4		
	Frequency (Hz)			50		
	Voltage Regulation			±%0,5		
	Connection Type			Star		
DIMENSIONS	Canopy Dimension (WxDxH) (mm)			1800 x 3650 x 2310	1800 x 3650 x 2310	2100 x 5000 x 3050
	Canopy Weight (kg)			4520	4700	5300
	Open Dimension (WxDxH) (mm)			1800 x 3200 x 2210	1800 x 3200 x 2210	1900 x 3900 x 2850
	Open Weight (kg)			3580	3600	4200

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