

# DIESEL GENERATORS

## 10-2750 kVA



**Aytemiz** | **POWER**  
**MAKELSAN**® | **FOR LIFE**  
G e n e r a t o r

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# LEADER IN ENERGY SOLUTIONS

## Only Company Producing Generator Set and UPS

LEADING MANUFACTURER OF ENERGY SOLUTIONS SINCE 1976

Aytemiz-Makelsan was founded in 1976 with the aim of designing electrical power systems. Today Aytemiz-Makelsan is a leading European brand which manufactures a wide range of high technology uninterruptible power products from 1kVA up to 8MVA, Diesel Generator Sets from 10-2500kVA, Static & Dynamic Uninterruptible Power Supplies, Servo & Static Voltage Regulators to Renewable Energy Products, DC Power Supply, Telecom Equipments, Battery Chargers, Inverters and Datacenter Solutions.

Headquartered in Istanbul, Turkey, Aytemiz-Makelsan combines R&D, manufacturing, global sales and aftersale service processes with more than 300 qualified

professionals in a fully modernized both UPS and Genset factories equipped with state-of-art machinery.

With more than 20 area sales and service offices, 300 resellers in Turkey, over 100 global distributors worldwide and over 45 years experience in design, manufacturing and distribution in the power supply industry, Aytemiz-Makelsan is committed to provide energy solutions that guarantee power quality for all kinds of critical applications.



Istanbul Headquarter & UPS Factory

*Aytemiz-Makelsan products are manufactured in Istanbul factories and all production process is monitored and developed according to ISO 9001 Quality Control System.*



ISO 9001-ISO 14001-ISO 45001-ISO 10002



## DIESEL GENERATORS 10-2750 kVA GENERAL FEATURES



### OPTIONAL FEATURES

- External Type Prismatic Fuel Tank (500-10000 Lt)
- External Type Cylindrical Stainless Fuel Tank (500-10000 Lt)
- Manual or Automatic Fuel Filling System
- Fuel and Water Separator Filter
- Diesel Engine Oil and Fuel Heating System
- Diesel Engine Analogue Indicators
- Specification Custom Control System
- Synchronization Systems (Jen-Jen and Jen-Network)
- Remote Monitoring System
- Alternator PMG Warning System
- Alternator Dehumidifier Heater System
- Critical Type and Hospital Type Silencer Systems
- Public Works Type Canopy System

### SOUND PROOF CANOPY

- Modular Type Sound Proof Canopy Produced with Galvanized Sheet
- Anti-Rust Phosphate Cleaning
- Electrostatic Oven Paint Protection
- According to Canopy Size, 2 or 4 Points to Lift and Ready to Move
- Emergency Stop Button on Canopy
- Control Panel on Canopy
- Lockable and Easy-to-Care Doors
- Out of Canopy Fuel Filling System
- Silencer Mounting Compartment in Cabin

## DIESEL ENGINE

- Industrial Type 4 Stroke Water Cooled 1500 rpm
- Electronic or Mechanical Type Fuel System
- Dry Type Changeable Air Filter
- Changeable Type Fuel and Oil Filter
- 40-50 Degree Optional Radiator Mounted
- Control and Security System
- Starter and Charge Alternator
- Thermostat Controlled Water Heater System
- Electronic Type Fuel Level Indicator



## ALTERNATOR

- 400/230 VAC 50 Hz Standard
- Suitable for 60 Hz Operating Conditions
- Single and Maintenance Free Bearing System
- Electronic Type Automatic Voltage Regulator
- Protection Class Standard IP21/23
- Insulation Class H
- Stator Winding 2/3 Step



## GENERATOR SYSTEM PROTECTION FEATURES

- Low Water Level Warning
- High Engine Cooling System Heat Alarm
- Low Lubrication Oil Pressure Alarm
- High and Low Engine Speed (Hz) Alarm
- Over Current (Power) Alert and Alarm
- Generator High and Low Voltage (Voltage) Alarm
- Fuel Level Warning
- Battery Low Voltage Warning
- Battery Does Not Charge Warning
- Generator Start/Stop Alarm



## GENERATOR CONTROL BOARD

- Automatic Control Unit with LCD Display
- 12/24 VDC Battery Supply Unit
- On-Line Insurances
- Reinforced Line Roller
- Electrical Wiring Line Sockets
- USB Port and RS-485 Output
- Audible Alarm Warning (Buzzer)



## GENERATOR CONTROL UNIT

### Features

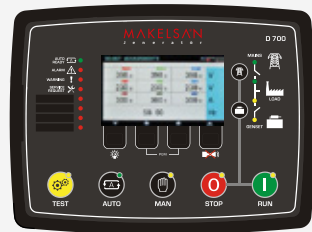
- Long Term Data Recording to Flash Memory
- Synchroscope Indicator
- J1939 CANBUS Electronic Engine Support
- Remote Control via SMS
- G-59 Mains Protection
- Soft Transit Load and Unload
- Generator Aging
- Internal Governor Control
- Full Isolated Internal AVR Control
- All Parameters can be changed from Front Panel
- 3 Level Program Password
- 128x64 Pixel Graphics LCD
- Language Installation
- Fuel Filling and Fuel Stealing Alarms
- Mobile Generator Support

### Functions

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

### Communication

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



## DIESEL ENGINE

DEUTZ MOTEURS Baudouin

SHANGHAI DONGFENG

Perkins

RICARDO

VOLVO PENTA

YANGDONG

SHANGHAI QN

## ALTERNATOR

LINZ ELECTRIC

STAMFORD

LEROY SOMER

GLORIA

## MJD SERIES 22-70 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJD0022	MJD0033	MJD0044	MJD0055	MJD0070
Stand By Power	kVA	22	33	44	55	70
	kW	18	26	35	44	56
Prime Power	kVA	20	30	40	50	63.6
	kW	16	24	32	40	50.9

#### DIESEL ENGINE

BRAND	DEUTZ					
Model	BFM3G1	BFM3G2	BFM3T	BFM3C	BF4M2012	
Engine Power - Stand By	22	32	44	50	60	
Engine Power - Prime	20	29	40	45	54	
Engine Speed (rpm)	1500	1500	1500	1500	1500	
Number of Cylinder	4 - In Line	4 - In Line	4 - In Line	4 - In Line	4 - In Line	
Displacement (lt)	3.168	3.168	3.168	3.168	4.04	
Bore x Stroke (mm)	98x105	98x105	98x105	98x105	101x126	
Compression Rate	18.5:1	18.5:1	18.5:1	18.5:1	19:1	
Governor Type	Electronic	Electronic	Electronic	Electronic	Electronic	
Induction	Natural	Natural	TurboCharged	TurboCharged-Intercooler	TurboCharged	
Combustion System	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	
Cooling System	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	
Lubrication Oil Capacity (lt)	7.5	7.5	7.5	7.5	8.5	
Coolant Capacity (lt)	4.8	4.8	4.8	4.8	15.9	
Fuel Tank Capacity (lt)	90	90	125	125	175	
Fuel Consumption lt / h	100% of Prime Power	5.4	7.7	10.3	11.2	13.7
	75% of Prime Power	4	5.38	8	8.7	10.2
	50% of Prime Power	2.8	3.9	5.5	6	7

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	900x2000x1310	1000x2300x1715	1000x2300x1715	1000x2300x1715	1050x2700x1875
Canopy Weight	kg	760	895	940	1050	1230
Open Dimensions	mm (WxDxH)	900x1500x1100	1000x1750x1450	1000x1750x1450	1000x1750x1450	1050x2090x1650
Open Weight	kg	620	735	790	835	960

Aytemiz-Makelsan reserves the right to make changes in model, specification, color, equipment and accessories without prior notice.

N/A: These dimensions and weights may change depending upon the characteristics of the project.

## MJD SERIES 80-125 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJD0080	MJD0100	MJD0110	MJD0125
Stand By Power	kVA	80	100	110	125
	kW	64	80	88	100
Prime Power	kVA	72.7	91	100	113.6
	kW	58.2	72.7	80	90.9

#### DIESEL ENGINE

BRAND	DEUTZ			
Model	BF4M2012CG1	BF4M2012CG2	BF4M1013ECG1	BF4M1013ECG2
Engine Power - Stand By	75	93	102	116
Engine Power - Prime	68	85	92.7	105
Engine Speed (rpm)	1500	1500	1500	1500
Number of Cylinder	4 - In Line	4 - In Line	4 - In Line	4 - In Line
Displacement (lt)	4.04	4.04	4.76	4.76
Bore x Stroke (mm)	101x126	101x126	108x130	108x130
Compression Rate	19:1	19:1	19:1	19:1
Governor Type	Electronic	Electronic	Electronic	Electronic
Induction	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)	8.5	8.5	11	19
Coolant Capacity (lt)	15.9	15.9	19.7	19.7
Fuel Tank Capacity (lt)	175	175	175	175
Fuel Consumption lt / h	100% of Prime Power	18	21.3	24.2
	75% of Prime Power	13	15.9	18
	50% of Prime Power	8.9	10.8	12.2

#### 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 & WEIGHT

Canopy Dimensions mm (WxDxH)	1050x2700x1875	1050x2700x1875	1050x2700x1875	1050x2700x1875
Canopy Weight kg	1300	1350	1440	1520
Open Dimensions mm (WxDxH)	1050x2090x1650	1050x2090x1650	1050x2090x1650	1050x2090x1650
Open Weight kg	1050	1120	1170	1265

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## MJD SERIES 150-220 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJD0150	MJD0175	MJD0200	MJD0220
Stand By Power	kVA	150	175	200	220
	kW	120	140	160	176
Prime Power	kVA	136.3	159	181.8	200
	kW	109	127.2	145.5	160

#### DIESEL ENGINE

BRAND	DEUTZ				
Model	BF4M1013FC	BF6M1013ECG1	BF61013ECG2	BF6M1013FCG3	
Engine Power - Stand By	kW	129	153	175	201
Engine Power - Prime	kW	117	146	160	183
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		4 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		4.76	7.15	7.15	7.15
Bore x Stroke (mm)		108x130	108x130	108x130	108x130
Compression Rate		18.1:1	19:1	19:1	19:1
Governor Type		Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		11	20	20	31
Coolant Capacity (lt)		19.7	23.1	23.1	27.3
Fuel Tank Capacity (lt)		175	248	353	353
Fuel Consumption lt / h	100% of Prime Power	28.9	35.9	39.2	45.6
	75% of Prime Power	20.9	26.9	29.5	33.6
	50% of Prime Power	14	18.3	19.9	22.6

#### 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 & WEIGHT

		MJD0150	MJD0175	MJD0200	MJD0220
Canopy Dimensions	mm (WxDxH)	1050x3000x2035	1050x3000x2035	1200x3420x2260	1200x3420x2260
Canopy Weight	kg	1700	1900	2150	2400
Open Dimensions	mm (WxDxH)	1050x2400x1750	1050x2400x1750	1200x2800x1780	1200x2800x1780
Open Weight	kg	1390	1650	1750	2000

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## MJD SERIES 275-440 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJD0275	MJD0360	MJD0400	MJD0440
Stand By Power	kVA	275	360	400	440
	kW	220	288	320	352
Prime Power	kVA	250	327.2	363.6	400
	kW	200	261.8	290.9	320

#### DIESEL ENGINE

BRAND	DEUTZ				
Model	BF6M1015C LA GA	BF6M1015C LA G3A	BF6M1015C LA G4	BF6M1015CP LAG	
Engine Power - Stand By	kW	231	314	345	365
Engine Power - Prime	kW	208	285	313	332
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		6 - V Type	6 - V Type	6 - V Type	6 - V Type
Displacement (lt)		11.9	11.9	11.9	11.9
Bore x Stroke (mm)		132x145	132x145	132x145	132x145
Compression Rate		16.5:1	16.5:1	16.5:1	16.5:1
Governor Type		Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		36	36	36	36
Coolant Capacity (lt)		62	62	62	62
Fuel Tank Capacity (lt)		453	554	554	554
Fuel Consumption lt / h	100% of Prime Power	48	70	72.8	77.1
	75% of Prime Power	36	52.4	54.8	57.8
	50% of Prime Power	24	34.7	36.9	39.2

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1400x3300x2700	1600x3300x2700	1600x3300x2700	1600x3300x2700
Canopy Weight	kg	2950	3400	3500	3650
Open Dimensions	mm (WxDxH)	1400x3300x2100	1600x3300x2350	1600x3300x2350	1600x3300x2350
Open Weight	kg	2350	2900	3000	3150

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## MJD SERIES 550-700 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJD0550	MJD0570	MJD0640	MJD0700
Stand By Power	kVA	550	570	640	700
	kW	440	456	512	560
Prime Power	kVA	500	518.2	581.8	636.4
	kW	400	414.5	465.4	509.1

#### DIESEL ENGINE

BRAND	DEUTZ				
Model	BF8M1015C LA G2	BF8M1015CP LA G4	BF8M1015CP LA G4	BF8M1015CP LA G5	
Engine Power - Stand By	kW	440	540	540	560
Engine Power - Prime	kW	400	491	491	509
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		8 - V Type	8 - V Type	8 - V Type	8 - V Type
Displacement (lt)		15.9	15.9	15.9	15.9
Bore x Stroke (mm)		132x145	132x145	132x145	132x145
Compression Rate		16.5:1	16.5:1	16.5:1	16.5:1
Governor Type		Electronic	Electronic	Electronic	Electronic
Induction		TurboŞarj-Intercooler	TurboŞarj-Intercooler	TurboŞarj-Intercooler	TurboŞarj-Intercooler
Combustion System		Direkt	Direkt	Direkt	Direkt
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		48	48	48	48
Coolant Capacity (lt)		87	93	93	93
Fuel Tank Capacity (lt)		878	878	878	878
Fuel Consumption lt / h	100% of Prime Power	94.0	104.7	104.7	118.8
	75% of Prime Power	70.5	78.5	78.5	89.1
	50% of Prime Power	47.0	52.3	52.3	59.4

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1800x4000x2750	1800x4000x2750	1800x4000x2750	1800x4000x2750
Canopy Weight	kg	4400	4520	4520	4700
Open Dimensions	mm (WxDxH)	1800x4000x2300	1800x4000x2300	1800x4000x2300	1800x4000x2300
Open Weight	kg	3850	3900	4000	4050

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## MJB SERIES 20-50 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJB0020	MJB0025	MJB0035	MJB0044	MJB0050
Stand By Power	kVA	20	22	35	44	50
	kW	16	18	28	35.2	40
Prime Power	kVA	18.2	20	31.8	40	45.4
	kW	14.5	16	25.5	32	36

#### DIESEL ENGINE

BRAND	BAUDOIN					
Model	4M06G20/5	4M06G25/5	4M06G33/5	4M06G44/5	4M06G50/5	
Engine Power - Stand By	20	25	33	41	48	
Engine Power - Prime	18	23	30	37	44	
Engine Speed (rpm)	1500	1500	1500	1500	1500	
Number of Cylinder	4 - In Line	4 - In Line	4 - In Line	4 - In Line	4 - In Line	
Displacement (lt)	2.3	2.3	2.3	2.3	2.3	
Bore x Stroke (mm)	89x92	89x92	89x92	89x92	89x92	
Compression Rate	17.5:1	17.5:1	17.5:1	17.5:1	17.5:1	
Governor Type	Electronic	Electronic	Electronic	Electronic	ECU	
Induction	Natural	Natural	TurboCharged	TurboCharged	TurboCharged-Aftercooler	
Combustion System	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	
Cooling System	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	
Lubrication Oil Capacity (lt)	9.5	9.5	9.5	9.5	9.5	
Coolant Capacity (lt)	16	16	16	16	12.9	
Fuel Tank Capacity (lt)	92	92	132	132	132	
Fuel Consumption lt / h	100% of Prime Power	4.8	6.1	7.6	9.3	10.4
	75% of Prime Power	3.7	4.5	5.4	6.8	7.5
	50% of Prime Power	2.6	3.2	4.1	4.6	5.2

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	900x2000x1310	900x2000x1310	1000x2300x1715	1050x2300x1715	1050x2300x1715
Canopy Weight	kg	750	850	905	925	945
Open Dimensions	mm (WxDxH)	900x1500x1100	900x1500x1100	1000x1750x1450	1050x1750x1450	1050x1750x1450
Open Weight	kg	600	700	710	730	750

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## MJB SERIES 55-90 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJB0055	MJB0070	MJB0072	MJB0088	MJB0090
Stand By Power	kVA	55	70	72	88	90
	kW	44	56	57.6	70.4	72
Prime Power	kVA	50	63.6	65.5	80	81.8
	kW	40	50.9	52.3	64	65.5

#### DIESEL ENGINE

BRAND	BAUDOIN					
Model	4M06G55/5	4M10G70/5	4M11G70/5	4M10G88/5	4M11G90/5	
Engine Power - Stand By	kW	53	63	66	77	81
Engine Power - Prime	kW	48	57	60	69	74
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		4 - In Line	4 - In Line	4 - In Line	4 - In Line	4 - In Line
Displacement (lt)		2.3	4.087	4.5	4.087	4.5
Bore x Stroke (mm)		89x92	105x118	105x130	105x118	105x130
Compression Rate		17.5:1	17.5:1	18:1	17.5:1	18:1
Governor Type		ECU	Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Aftercooler	TurboCharged	TurboCharged	TurboCharged	TurboCharged
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		7.3	11	11	11	11
Coolant Capacity (lt)		12.9	17	17	17	17
Fuel Tank Capacity (lt)		132	180	180	180	180
Fuel Consumption lt / h	100% of Prime Power	11.9	14.5	14.5	18.6	18.6
	75% of Prime Power	8.9	11	11	13.7	13.7
	50% of Prime Power	6	7.7	7.7	9.4	9.4

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1050x2300x1715	1050x2700x1875	1050x2700x1875	1050x2700x1875	1050x2700x1875
Canopy Weight	kg	960	1350	1350	1400	1400
Open Dimensions	mm (WxDxH)	1050x1750x1450	1050x2090x1650	1050x2090x1650	1050x2090x1650	1000x2090x1650
Open Weight	kg	765	1050	1050	1100	1100

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## MJB SERIES 120-250 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJB0120	MJB0150	MJB0165	MJB0220	MJB0250
Stand By Power	kVA	120	150	165	220	250
	kW	96	120	132	176	200
Prime Power	kVA	109	135	150	200	227.2
	kW	87.3	109	120	160	181.8

#### DIESEL ENGINE

BRAND	BAUDOIN					
Model	4M11G120/5	6M11G150/5	6M11G165/5	6M16G220/5	6M16G250/5	
Engine Power - Stand By	kW	108	140	152	200	238
Engine Power - Prime	kW	98	128	138	182	216
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		4 - In Line	6 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		4.5	6.75	6.75	9.726	9.726
Bore x Stroke (mm)		105x130	105x130	105x130	126x130	126x130
Compression Rate		18:1	18:1	18:1	17:1	17:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		11	17	17	24	26
Coolant Capacity (lt)		13.3	17	17	44	44
Fuel Tank Capacity (lt)		280	280	280	585	585
Fuel Consumption lt / h	100% of Prime Power	23.3	30.4	32.7	42.1	50.9
	75% of Prime Power	17.4	23.1	24.5	31.6	38.1
	50% of Prime Power	11.9	15.9	16.7	21.9	25.9

#### 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 & WEIGHT

		MJB0120	MJB0150	MJB0165	MJB0220	MJB0250
Canopy Dimensions	mm (WxDxH)	1050x2700x1875	1050x2700x1875	1050x3000x2035	1150x3430x2460	1150x3430x2460
Canopy Weight	kg	1450	1800	1900	2400	2550
Open Dimensions	mm (WxDxH)	1050x2090x1650	1050x2090x1650	1050x2400x1750	1150x2700x1860	1150x2700x1860
Open Weight	kg	1100	1500	1500	2000	2150

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N/A: These dimensions and weights may change depending upon the characteristics of the project.

## MJB SERIES 275-440 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJB0275	MJB0300	MJB0350	MJB0400	MJB0440
Stand By Power	kVA	275	300	350	400	440
	kW	220	240	280	320	352
Prime Power	kVA	250	273	318.2	363.6	400
	kW	200	218.4	254.5	290.9	320

#### DIESEL ENGINE

BRAND	BAUDOIN					
Model	6M16G275/5	6M16G300/5	6M16G350/5	6M21G400/5	6M21G440/5	
Engine Power - Stand By	kW	264	280	320	385	405
Engine Power - Prime	kW	240	255	291	350	368
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		9.726	9.726	9.726	12.54	12.54
Bore x Stroke (mm)		126x130	126x130	126x130	127x165	127x165
Compression Rate		17:1	17:1	17:1	16:1	16:1
Governor Type		Electronic	Electronic	ECU	Electronic	Electronic
Induction		TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		26	26	26	30	30
Coolant Capacity (lt)		44	44	50	55	55
Fuel Tank Capacity (lt)		585	585	585	890	890
Fuel Consumption lt / h	100% of Prime Power	56.9	58.8	70.5	85	85
	75% of Prime Power	42.2	45.2	52.3	63.5	63.5
	50% of Prime Power	28.4	32.6	35.3	43.1	43.1

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1400x3300x2460	1400x3700x2626,5	1400x3700x2626,5	1400x3700x2626,5	1400x3700x2626,5
Canopy Weight	kg	2700	3150	3250	3350	3540
Open Dimensions	mm (WxDxH)	1400x2800x1860	1400x3250x1750	1400x3250x1750	1400x3250x1750	1400x3250x1750
Open Weight	kg	2350	2600	2700	2800	2900

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N/A: These dimensions and weights may change depending upon the characteristics of the project.



## MJB SERIES 500-750 kVA

### TECHNICAL SPECIFICATIONS

#### GENERATOR GROUP

MODEL		MJB0500	MJB0550	MJB0660	MJB0715	MJB0750
Stand By Power	kVA	500	550	660	715	750
	kW	400	440	528	572	600
Prime Power	kVA	454.5	500	600	650	681.8
	kW	363.6	400	480	520	545.5

#### DIESEL ENGINE

BRAND	BAUDOIN					
Model	6M21G500/5	6M26G550/5	6M33G660/5	6M33G715/5	6M33G750/5	
Engine Power - Stand By	kW	450	490	587	633	670
Engine Power - Prime	kW	409	448	536	575	610
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		12.54	15.90	19.60	19.60	19.60
Bore x Stroke (mm)		127x165	150x150	150x185	150x185	150x185
Compression Rate		16:1	15.9:1	15:1	15:1	15:1
Governor Type		ECU	Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		30	52	52	61	61
Coolant Capacity (lt)		55	108.7	108.7	129	159
Fuel Tank Capacity (lt)		1145	1145	1530	1530	1530
Fuel Consumption lt / h	100% of Prime Power	112.9	104.9	122.8	135.1	135.1
	75% of Prime Power	77.8	78.4	92.8	99.3	99.3
	50% of Prime Power	52	53.6	64.4	66.4	66.4

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1600x4400x2650	1600x4400x2650	1800x4500x3075	1800x4500x3000	1800x4500x3000
Canopy Weight	kg	4105	4350	4950	5250	5590
Open Dimensions	mm (WxDxH)	1600x4000x2220	1600x4000x2220	1800x4350x2340	1800x4500x2340	1800x4500x2340
Open Weight	kg	3590	3750	4900	4900	4900

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N/A: These dimensions and weights may change depending upon the characteristics of the project.



## MJB SERIES 825-1250 kVA

### TECHNICAL SPECIFICATIONS

#### GENERATOR GROUP

MODEL		MJB0825	MJB0900	MJB1000	MJB1100	MJB1250
Stand By Power	kVA	825	900	1000	1100	1250
	kW	660	720	800	880	1000
Prime Power	kVA	750	818.2	909	1000	1136.3
	kW	600	654.5	727.2	800	909

#### DIESEL ENGINE

BRAND	BAUDOIN					
Model	6M33G825/5	12M26G900/5	12M26G1000/5	12M26G1100/5	12M33G1250/5	
Engine Power - Stand By	kW	725	793	902	973	1108
Engine Power - Prime	kW	659	725	820	889	1007
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		6 - V Type	12 - V Type	12 - V Type	6 - In Line	12 - V Type
Displacement (lt)		19.60	31.80	31.80	31.80	39.2
Bore x Stroke (mm)		150x185	150x150	150x150	150x150	150x185
Compression Rate		15.0:1	15.7:1	15.7:1	15.7:1	15:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		61	109	109	109	155
Coolant Capacity (lt)		159	148	148	148	188
Fuel Tank Capacity (lt)		2000	2000	2000	2000	2000
Fuel Consumption lt / h	100% of Prime Power	150.1	172.5	196.8	205.0	198.4
	75% of Prime Power	112.2	130.4	147.2	154.1	147
	50% of Prime Power	72.5	91	101.8	105.7	100.3

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1800x5300x3000	2000x4950x3425	2000x4950x3425	2000x4950x3425	2400x5450x3470
Canopy Weight	kg	7480	7790	7890	8250	9035
Open Dimensions	mm (WxDxH)	2200x5300x2580	2000x4900x2580	2000x4900x2580	2000x4900x2580	2400x5200x2675
Open Weight	kg	6000	6310	6410	6770	7370

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N/A: These dimensions and weights may change depending upon the characteristics of the project.

## MJB SERIES 1400-1900 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJB1400	MJB1500	MJB1650	MJB1700	MJB1900
Stand By Power	kVA	1400	1500	1650	1700	1900
	kW	1120	120	1320	1360	1520
Prime Power	kVA	1250	1363.6	1500	1545.5	1727.2
	kW	1000	1090.9	1200	1236.4	1381.2

#### DIESEL ENGINE

BRAND	BAUDOIN					
Model	12M33G1400/5	12M33G1500/5	12M33G1650/5	16M33G1700/5	16M33G1900/5	
Engine Power - Stand By	kW	1210	1320	1450	1530	1650
Engine Power - Prime	kW	1100	1200	1318	1390	1530
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		12 - V Type	12 - V Type	12 - V Type	16 - V Type	16 - V Type
Displacement (lt)		39.2	39.2	39.2	52.3	52.3
Bore x Stroke (mm)		150x185	150x185	150x185	150x185	150x185
Compression Rate		15:1	15:1	15:1	15:1	15:1
Governor Type		Electronic	Electronic	ECU	ECU	ECU
Induction		TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		155	155	155	171	171
Coolant Capacity (lt)		188	188	303	400	400
Fuel Tank Capacity (lt)		2000	-	-	-	-
Fuel Consumption lt / h	100% of Prime Power	217.6	N/A	324	327.5	358.2
	75% of Prime Power	160.3	N/A	234.2	243.5	260.3
	50% of Prime Power	108.9	N/A	156.1	166.7	176.2

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	2400x5450x3470	N/A	N/A	N/A	N/A
Canopy Weight	kg	9120	N/A	N/A	N/A	N/A
Open Dimensions	mm (WxDxH)	2400x5200x2675	N/A	N/A	N/A	N/A
Open Weight	kg	7450	N/A	N/A	N/A	N/A

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N/A: These dimensions and weights may change depending upon the characteristics of the project.

## MJB SERIES 2000-2750 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJB2000	MJB2250	MJB2550	MJB2750
Stand By Power	kVA	2000	2250	2550	2750
	kW	1600	1800	2040	2200
Prime Power	kVA	1818.2	2045.4	2318.2	2500
	kW	1454.5	1636.3	1854.5	2000

#### DIESEL ENGINE

BRAND	BAUDOIN				
Model	16M33G2000/5	16M33G2250/5	12M55G2550/5	12M55G2750/5	
Engine Power - Stand By	kW	1800	1980	2210	2450
Engine Power - Prime	kW	1620	1800	1985	2200
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		16 - V Type	16 - V Type	12 - V Type	12 - V Type
Displacement (lt)		52.3	52.3	65.65	65.65
Bore x Stroke (mm)		150x185	150x185	180x215	180x215
Compression Rate		15:1	14:1	16.5:1	16.5:1
Governor Type		ECU	ECU	ECU	ECU
Induction		TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler	TurboCharged-Aftercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		171	171	560	560
Coolant Capacity (lt)		400	412	306	306
Fuel Tank Capacity (lt)		-	N/A	-	-
Fuel Consumption	100% of Prime Power	331	485	437.2	N/A
	75% of Prime Power	250	388	330.5	N/A
	50% of Prime Power	167	324	231.9	N/A

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	N/A	N/A	N/A	N/A
Canopy Weight	kg	N/A	N/A	N/A	N/A
Open Dimensions	mm (WxDxH)	N/A	N/A	N/A	N/A
Open Weight	kg	N/A	N/A	N/A	N/A

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N/A: These dimensions and weights may change depending upon the characteristics of the project.



## MJS SERIES 220-400 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJS0220	MJS0285	MJS0330	MJS0400
Stand By Power	kVA	220	285	330	400
	kW	176	228	264	320
Prime Power	kVA	200	259.1	300	363.6
	kW	160	207.3	240	290.9

#### DIESEL ENGINE

BRAND	SHANGHAI DONGFENG				
Model	SM129TD21	SM129TAD24	SMG128TAD28	SMG128TAD31	
Engine Power - Stand By	kW	206	245	280	324
Engine Power - Prime	kW	187	223	255	295
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		8.27	8.27	8.82	12.9
Bore x Stroke (mm)		114x135	114x135	114x135	135x150
Compression Rate		18:1	18:1	18:1	17:1
Governor Type		Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		30	30	30	40
Coolant Capacity (lt)		48	48	48	64
Fuel Tank Capacity (lt)		353	353	353	491
Fuel Consumption	100% of Prime Power	52	52	52	71
	75% of Prime Power	39	39	39	53
	50% of Prime Power	27	27	27	36

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1200x3420x2260	1200x3420x2260	1200x3420x2260	1400x3700x2626,5
Canopy Weight	kg	2250	2400	2500	3450
Open Dimensions	mm (WxDxH)	1200x2800x1780	1200x2800x1780	1200x2800x1780	1400x3200x2000
Open Weight	kg	1900	1950	2100	3035

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N/A: These dimensions and weights may change depending upon the characteristics of the project.



## MJS SERIES 460-550 kVA

### TECHNICAL SPECIFICATIONS

#### GENERATOR GROUP

MODEL		MJS0460	MJS0515	MJS0550
Stand By Power	kVA	460	515	550
	kW	368	412	440
Prime Power	kVA	418.2	468.2	500
	kW	334.5	374.5	400

#### DIESEL ENGINE

BRAND		SHANGHAI DONGFENG		
Model		SMG142TAD38	SMG258TAD45	SMG258TAD46
Engine Power - Stand By	kW	378	450	560
Engine Power - Prime	kW	344	409	418
Engine Speed (rpm)		1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		12.9	14.2	14.8
Bore x Stroke (mm)		135x150	135x165	138x168
Compression Rate		15.5:1	15.5:1	16:1
Governor Type		Electronic	Electronic	Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		40	48	48
Coolant Capacity (lt)		64	88	88
Fuel Tank Capacity (lt)		491	885	885
Fuel Consumption	100% of Prime Power	71	71	71
	75% of Prime Power	53	53	53
	50% of Prime Power	36	36	36

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1400x3700x2626,5	1400x3700x2626,5	1600x3700x2626,5
Canopy Weight	kg	3600	3700	3750
Open Dimensions	mm (WxDxH)	1400x3200x2000	1400x3200x2000	1600x3200x2000
Open Weight	kg	3120	3200	3250

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N/A: These dimensions and weights may change depending upon the characteristics of the project.



## MJS SERIES 570-1000 kVA

### TECHNICAL SPECIFICATIONS

#### GENERATOR GROUP

MODEL		MJS0570	MJS0630	MJS0715	MJS0825	MJS1000
Stand By Power	kVA	570	630	715	825	1000
	kW	456	504	572	660	800
Prime Power	kVA	518.2	572.7	650	750	909
	kW	414.5	458.2	520	600	727.3

#### DIESEL ENGINE

BRAND		SHANGHAI DONGFENG				
Model		SMG258TAD51	SMG266TAD56	SMG266TAD63	SM283TAD72	SM302TAD88
Engine Power - Stand By	kW	510	565	630	720	886
Engine Power - Prime	kW	464	514	573	655	805
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		12 - V Type	12 - V Type	12 - V Type	12 - V Type	12 - V Type
Displacement (lt)		25.8	25.8	25.8	26.6	28.3
Bore x Stroke (mm)		135x150	135x160	135x150	135x155	138x158
Compression Rate		16:1	16:1	16:1	16:1	15.4:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		60	60	65	67	75
Coolant Capacity (lt)		108	108	108	108	123
Fuel Tank Capacity (lt)		885	885	885	885	1100
Fuel Consumption lt / h	100% of Prime Power	105	105	118	131	183
	75% of Prime Power	78	78	88	97	136
	50% of Prime Power	53	53	60	66	93

#### 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 & WEIGHT

Canopy Dimensions mm (WxDxH)	1950x4800x2780	1950x4800x2780	1950x4800x2780	1950x4800x2780	2000x5000x2700
Canopy Weight kg	5300	5450	5350	5650	7000
Open Dimensions mm (WxDxH)	1950x4000x2200	1950x4000x2200	1950x4000x2500	1950x4000x2500	2000x5000x2300
Open Weight kg	4480	4550	4775	5000	6000

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N/A: These dimensions and weights may change depending upon the characteristics of the project.

## MJP SERIES 10-50 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJP0010	MJP0015	MJP0022	MJP0033	MJP0050
Stand By Power	kVA	10	15	22	33	50
	kW	8	12	17.8	26.4	40
Prime Power	kVA	9	13	20	30	45
	kW	7.2	10.4	16	24	36

#### DIESEL ENGINE

BRAND	PERKINS					
Model	403A-11G1	403A-15G1	404A-22G1	1103A-33G	1103A-33TG1	
Engine Power - Stand By	9.2	13.2	20.3	31	46.5	
Engine Power - Prime	8.4	12	18.4	28.2	42	
Engine Speed (rpm)	1500	1500	1500	1500	1500	
Number of Cylinder	4 - In Line	4 - In Line	4 - In Line	4 - In Line	4 - In Line	
Displacement (lt)	1.13	1.49	2.21	3.62	4.33	
Bore x Stroke (mm)	77x81	84x90	84x100	105x127	105x125	
Compression Rate	23:1	22.5:1	23.3:1	18.01	17.01	
Governor Type	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	
Induction	Natural	Natural	Natural	Natural	TurboCharged	
Combustion System	Indirect	Indirect	Indirect	Direct Injection	Direct Injection	
Cooling System	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	
Lubrication Oil Capacity (lt)	4.4	6	10.6	8.3	8.3	
Coolant Capacity (lt)	5.2	6	7	10.2	10.2	
Fuel Tank Capacity (lt)	92	92	92	138	138	
Fuel Consumption lt / h	100% of Prime Power	3	3.7	5.3	7.1	10.7
	75% of Prime Power	2.3	2.8	4	5.4	8.2
	50% of Prime Power	1.7	2	2.9	3.9	5.7

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	900x2000x1310	900x2000x1310	900x2000x1310	1000x2300x1715	1000x2300x1715
Canopy Weight	kg	600	620	650	1000	1100
Open Dimensions	mm (WxDxH)	900x1500x1100	900x1500x1100	900x1500x1100	1000x1750x1450	1000x1750x1450
Open Weight	kg	400	475	490	825	965

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N/A: These dimensions and weights may change depending upon the characteristics of the project.

## MJP SERIES 66-150 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJP0066	MJP0072	MJP0088	MJP0110	MJP0150
Stand By Power	kVA	66	72	88	110	E150
	kW	52.8	57.6	70.4	88	120
Prime Power	kVA	60	65.5	80	102	135
	kW	48	52.3	64	81.6	108

#### DIESEL ENGINE

BRAND	PERKINS					
Model	1103A-33TG2	1104A-44TG1	1104A-44TG2	1104C-44TAG2	1160A-70TG1	
Engine Power - Stand By	kW	60.5	65.6	80.7	103	137
Engine Power - Prime	kW	55	59.6	73.4	90.3	124.5
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		3 - In Line	4 - In Line	4 - In Line	4 - In Line	6 - In Line
Displacement (lt)		3.3	4.4	4.4	4.4	7.01
Bore x Stroke (mm)		105x127	105x127	105x127	105x127	105x135
Compression Rate		17.25:1	17.25:1	17.25:1	18.2:1	18.2:1
Governor Type		Mechanic	Mechanic	Mechanic	Electronic	Mechanic
Induction		TurboCharged	TurboCharged	TurboCharged	TurboCharged-Intercooler	TurboCharged
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		8.3	8	8	8	16.5
Coolant Capacity (lt)		10.2	13	13	13	21
Fuel Tank Capacity (lt)		175	175	175	175	250
Fuel Consumption lt / h	100% of Prime Power	13.9	14.8	18.7	22.6	30.2
	75% of Prime Power	10.4	11.2	14	17.1	22.7
	50% of Prime Power	7.2	8	9.7	11.2	15.9

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#### 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 & WEIGHT

		MJP0066	MJP0072	MJP0088	MJP0110	MJP0150
Canopy Dimensions	mm (WxDxH)	1000x2300x1875	1050x2700x1875	1050x2700x1875	1050x2700x1875	1050x3000x2035
Canopy Weight	kg	1120	1250	1350	1400	1750
Open Dimensions	mm (WxDxH)	1000x1700x1650	1050x2100x1650	1050x2100x1650	1050x2100x1650	1050x2400x1750
Open Weight	kg	980	1000	1100	1250	1400

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N/A: These dimensions and weights may change depending upon the characteristics of the project.

## MJP SERIES 165-275 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJP0165	MJP0200	MJP0220	MJP0250	MJP0275
Stand By Power	kVA	165	200	220	250	275
	kW	132	160	176	200	220
Prime Power	kVA	150	181.9	200	230	250
	kW	120	145.4	160	184	200

#### DIESEL ENGINE

BRAND	PERKINS					
Model	1106A-70TAG2	1106A-70TAG3	1106A-70TAG4	1206A-E70TAG2	1206A-E70TAG3	
Engine Power - Stand By	149	177	196	226	249	
Engine Power - Prime	135.5	161	178.2	205.5	226	
Engine Speed (rpm)	1500	1500	1500	1500	1500	
Number of Cylinder	6 - In Line	6 - In Line	6 - In Line	6 - In Line	6 - In Line	
Displacement (lt)	7.01	7.01	7.01	7.01	7.01	
Bore x Stroke (mm)	105x135	105x135	105x135	105x135	112x149	
Compression Rate	18.2:1	16:01	16:01	15.8:1	16.1:1	
Governor Type	Electronic	Electronic	Electronic	Electronic	Electronic	
Induction	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	
Combustion System	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	
Cooling System	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	
Lubrication Oil Capacity (lt)	16.5	16.5	16.5	16	16	
Coolant Capacity (lt)	21	21	21	25	25	
Fuel Tank Capacity (lt)	250	250	350	350	350	
Fuel Consumption lt / h	100% of Prime Power	33.4	42.1	45.8	51	56.9
	75% of Prime Power	24.7	31.6	34.3	38	41.5
	50% of Prime Power	16.4	21.9	22.9	26	28

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1050x3000x2035	1050x3000x2260	1050x3000x2260	1300x3800x2600	1300x3800x2600
Canopy Weight	kg	1850	2300	2400	2700	3000
Open Dimensions	mm (WxDxH)	1050x2400x1750	1050x2400x1780	1050x2400x1780	1300x2800x2100	1300x2800x2100
Open Weight	kg	1570	1950	2000	2350	2595

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N/A: These dimensions and weights may change depending upon the characteristics of the project.

## MJP SERIES 300-500 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJP0300	MJP0330	MJP0400	MJP0450	MJP0500
Stand By Power	kVA	300	330	400	450	500
	kW	240	264	320	360	400
Prime Power	kVA	272.7	300	363.6	409	455
	kW	218.2	240	290.9	327	364

#### DIESEL ENGINE

BRAND	PERKINS					
Model	1506A-E88TAG4	1506A-E88TAG5	2206A-E13TAG2	2206A-E13TAG3	2506A-E15TAG1	
Engine Power - Stand By	kW	281	307	368	412	451
Engine Power - Prime	kW	255.5	279	334	374	410
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		8.8	8.8	12.5	12.5	15.2
Bore x Stroke (mm)		112x149	112x149	130x157	130x157	137x171
Compression Rate		16.1:1	16.1:1	16.3:1	16.3:1	16.0:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		41	41	40	40	62
Coolant Capacity (lt)		33.2	33.2	51.4	51.4	58
Fuel Tank Capacity (lt)		450	550	550	550	970
Fuel Consumption lt / h	100% of Prime Power	60	60	71	81	95
	75% of Prime Power	46	46	54	62	72
	50% of Prime Power	32.2	32.2	37	42	50

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#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1350x4000x1900	1400x4200x2200	1400x4200x2200	1400x4200x2200	1400x4200x2200
Canopy Weight	kg	1780	2690	3900	4100	4200
Open Dimensions	mm (WxDxH)	1350x4000x1750	1400x4200x2050	1400x4200x2050	1400x4200x2050	1400x4200x2050
Open Weight	kg	1530	2655	3200	3400	3500

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## MJP SERIES 550-825 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJP0550	MJP0660	MJP0700	MJP0785	MJP0825
Stand By Power	kVA	550	660	700	785	825
	kW	440	528	560	625	660
Prime Power	kVA	500	600	636	713.6	750
	kW	400	480	508.8	570.9	600

#### DIESEL ENGINE

BRAND	PERKINS					
Model	2506A-E15TAG2	2806A-E18TAG1A	2806A-E18TAG2	2806A-E18TAG4	2806A-E18TAG5	
Engine Power - Stand By	kW	495	593	628	685	695
Engine Power - Prime	kW	450	539	571	623	632
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		15.2	18.1	18.1	18.1	18.1
Bore x Stroke (mm)		137x171	145x183	145x183	145x183	145x183
Compression Rate		16.0:1	14.5:1	14.5:1	14.5:1	14:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		62	62	62	68	68
Coolant Capacity (lt)		58	61	61	109.5	109.5
Fuel Tank Capacity (lt)		970	970	970	970	1100
Fuel Consumption lt / h	100% of Prime Power	100	111	143	143	162
	75% of Prime Power	76	81	105	105	118
	50% of Prime Power	53	55	72	72	81

#### 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 & WEIGHT

		MJP0550	MJP0660	MJP0700	MJP0785	MJP0825
Canopy Dimensions	mm (WxDxH)	1400x4200x2200	1800x4800x2200	1800x4800x2200	1800x4800x2200	1800x4800x2200
Canopy Weight	kg	4200	5200	5400	6000	6800
Open Dimensions	mm (WxDxH)	1400x4200x2050	1800x4500x2050	1800x4800x2050	1800x4290x2475	1800x4800x2050
Open Weight	kg	3500	4500	4700	5300	5800

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## MJP SERIES 900-1380 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJP0900	MJP1000	MJP1125	MJP1250	MJP1380
Stand By Power	kVA	900	1000	1125	1250	1380
	kW	720	800	900	1000	1104
Prime Power	kVA	800	909	1022.7	1136	1250
	kW	640	727.2	818.2	909	1000

#### DIESEL ENGINE

BRAND	PERKINS					
Model	4006-23TAG3A	4008TAG1A	4008TAG2A	4008-30TAG3	4012-46TWG2A	
Engine Power - Stand By	kW	760	882	973	1105	1166
Engine Power - Prime	kW	679	802	885	1005	1055
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		6 - In Line	8 - In Line	8 - In Line	8 - In Line	12-60° V
Displacement (lt)		22.92	30.56	30.56	30.56	45.84
Bore x Stroke (mm)		160x190	160x190	160x190	160x190	160x190
Compression Rate		13.6:1	13.6:1	13.6:1	13.6:1	13.6:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		113.4	165.6	127	153	177
Coolant Capacity (lt)		105	149	162	140	201
Fuel Tank Capacity (lt)		1500	1500	1500	2500	2500
Fuel Consumption lt / h	100% of Prime Power	172	195	220	244	259
	75% of Prime Power	130	143	160	188	199
	50% of Prime Power	90	98	108	120	139

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#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	N/A	N/A	N/A	N/A	N/A
Canopy Weight	kg	N/A	N/A	N/A	N/A	N/A
Open Dimensions	mm (WxDxH)	N/A	N/A	N/A	N/A	N/A
Open Weight	kg	N/A	N/A	N/A	N/A	N/A

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## MJP SERIES 1500-1875 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJP1500	MJP1650	MJP1875
Stand By Power	kVA	1500	1650	1875
	kW	1200	1320	1500
Prime Power	kVA	1363.6	1506	1740.5
	kW	1090	1204.8	1363.6

#### DIESEL ENGINE

BRAND		PERKINS		
Model		4012-46TAG1A	4012-46TAG2A	4012-46TAG3A
Engine Power - Stand By	kW	1224	1459	1643
Engine Power - Prime	kW	1112.7	1326	1493
Engine Speed (rpm)		1500	1500	1500
Number of Cylinder		12-60° V	12-60° V	12-60° V
Displacement (lt)		45.84	45.84	45.84
Bore x Stroke (mm)		160x190	160x190	160x190
Compression Rate		13.6:1	13.6:1	13.6:1
Governor Type		Electronic	Electronic	Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		177	177	177
Coolant Capacity (lt)		201	201	201
Fuel Tank Capacity (lt)		2500	2500	3000
Fuel Consumption lt / h	100% of Prime Power	225	301	370
	75% of Prime Power	213	237	275
	50% of Prime Power	151	162	187

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	N/A	N/A	N/A
Canopy Weight	kg	N/A	N/A	N/A
Open Dimensions	mm (WxDxH)	N/A	N/A	N/A
Open Weight	kg	N/A	N/A	N/A

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N/A: These dimensions and weights may change depending upon the characteristics of the project.



## MJP SERIES 2000-2500 kVA

### TECHNICAL SPECIFICATIONS

GENERATOR GROUP		MJP2000	MJP2250	MJP2500
<b>MODEL</b>				
Stand By Power	kVA	2000	2250	2500
	kW	1600	1800	2000
Prime Power	kVA	1818.2	2045.5	2250
	kW	1454.5	1636.3	1800
<b>DIESEL ENGINE</b>		<b>PERKINS</b>		
<b>Model</b>		4016-61TRG1	4016-61TRG2	4016-61TRG3
Engine Power - Stand By	kW	1774	1984	2183
Engine Power - Prime	kW	1612.7	1803.6	1985
Engine Speed (rpm)		1500	1500	1500
Number of Cylinder		16-60° V	16-60° V	16-60° V
Displacement (lt)		61.12	61.12	61.12
Bore x Stroke (mm)		160x190	160x190	160x190
Compression Rate		13.6:1	13.6:1	13.6:1
Governor Type		Electronic	Electronic	Electronic
Induction		TurboŞarj-Intercooler	TurboŞarj-Intercooler	TurboŞarj-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		213	213	213
Coolant Capacity (lt)		316	316	316
Fuel Tank Capacity (lt)		3000	3500	4000
Fuel Consumption lt / h	100% of Prime Power	385	422	470
	75% of Prime Power	303	318	344
	50% of Prime Power	198	216	234
<b>ALTERNATOR</b>				
Output Voltage (V)		400/230		
Power Factor		0.8		
Number of Poles		4		
Frequency (Hz)		50		
Voltage Regulation		±%0,5		
Connection Type		Star		
<b>DIMENSIONS &amp; WEIGHT</b>				
Canopy Dimensions	mm (WxDxH)	N/A	N/A	N/A
Canopy Weight	kg	N/A	N/A	N/A
Open Dimensions	mm (WxDxH)	N/A	N/A	N/A
Open Weight	kg	N/A	N/A	N/A

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N/A: These dimensions and weights may change depending upon the characteristics of the project.

## MJR SERIES 35-82 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJR0035	MJR0050	MJR0055	MJR0070	MJR0082
Stand By Power	kVA	35	50	55	70	82
	kW	28	40	44	56	65.6
Prime Power	kVA	32	45.5	50	63.6	75
	kW	25.6	36.3	40	50.9	60

#### DIESEL ENGINE

BRAND	RICARDO					
Model	K4100D	K4100ZD	K4102ZD	D4105ZD	R4105IZD/D4105IZLD	
Engine Power - Stand By	33	44	48	62	73	
Engine Power - Prime	30.1	40	44	56	66	
Engine Speed (rpm)	1500	1500	1500	1500	1500	
Number of Cylinder	4 - In Line	4 - In Line	4 - In Line	4 - In Line	4 - In Line	
Displacement (lt)	3.61	3.61	3.61	3.61	4.33	
Bore x Stroke (mm)	100x115	100x115	102x115	105x115	105x125/105x115	
Compression Rate	17:1	17:1	17:1	17:1	16:1/17:1	
Governor Type	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	
Induction	Natural	TurboCharged	TurboCharged	TurboCharged	TurboCharged-Intercooler	
Combustion System	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	
Cooling System	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	
Lubrication Oil Capacity (lt)	13	13	13	13	13	
Coolant Capacity (lt)	13	13	13	13	16/13	
Fuel Tank Capacity (lt)	138	138	138	175	175	
Fuel Consumption lt / h	100% of Prime Power	9	12.1	13	16.6	18
	75% of Prime Power	4.9	8.9	9.8	12.3	13.5
	50% of Prime Power	3.8	6	6.2	8.2	9

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1000x2300x1715	1000x2300x1715	1000x2300x1715	1050x2700x1875	1050x2700x1875
Canopy Weight	kg	875	1010	1050	1100	1170
Open Dimensions	mm (WxDxH)	1000x1750x1450	1000x1750x1450	1000x1750x1450	1050x2100x1650	1050x2100x1650
Open Weight	kg	700	780	820	860	890

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N/A: These dimensions and weights may change depending upon the characteristics of the project.



## MJR SERIES 94-150 kVA

### TECHNICAL SPECIFICATIONS

#### GENERATOR GROUP

MODEL		MJR0094	MJR0110	MJR0110	MJR0125	MJR0150
Stand By Power	kVA	94	110	110	125	150
	kW	75.2	88	88	100	120
Prime Power	kVA	85.4	100	100	113.6	136.4
	kW	68.3	80	80	90.9	109

#### DIESEL ENGINE

BRAND	RICARDO					
Model	R4105IZLD	R4110IZLD	R6105ZD	R6105ZLD	R6105AZLD	
Engine Power - Stand By	83	92	92	110	121	
Engine Power - Prime	75	84	84	100	110	
Engine Speed (rpm)	1500	1500	1500	1500	1500	
Number of Cylinder	4 - In Line	4 - In Line	6 - In Line	6 - In Line	6 - In Line	
Displacement (lt)	4.33	4.33	6.49	6.49	6.75	
Bore x Stroke (mm)	105x130	105x130	105x130	105x130	105x130	
Compression Rate	16:1	16:1	16:1	16:1	16:1	
Governor Type	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	
Induction	TurboCharged	TurboCharged	TurboCharged	TurboCharged	TurboCharged	
Combustion System	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	
Cooling System	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	
Lubrication Oil Capacity (lt)	13	13	16	16	16	
Coolant Capacity (lt)	18	18	23	23	25	
Fuel Tank Capacity (lt)	175	175	225	225	225	
Fuel Consumption lt / h	100% of Prime Power	20.2	22.6	23.9	26.6	30.5
	75% of Prime Power	15.6	16.7	17.9	20.2	22.9
	50% of Prime Power	10	11.5	11.9	13.8	15.3

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#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1050x2700x1875	1050x2700x1875	1050x3000x2035	1050x3000x2035	1050x3000x2035
Canopy Weight	kg	1300	1325	1540	1600	1640
Open Dimensions	mm (WxDxH)	1050x2100x1650	1050x2100x1650	1050x2400x1750	1050x2400x1750	1050x2400x1750
Open Weight	kg	980	1050	1160	1300	1400

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N/A: These dimensions and weights may change depending upon the characteristics of the project.



## MJR SERIES 165-220 kVA

### TECHNICAL SPECIFICATIONS

#### GENERATOR GROUP

MODEL		MJR0165	MJR0175	MJR0200	MJR0220
Stand By Power	kVA	165	175	200	220
	kW	132	140	160	176
Prime Power	kVA	150	159	181.9	200
	kW	120	126.4	145.5	160

#### DIESEL ENGINE

BRAND	RICARDO				
Model	R6105IZLD	R6105IZLD	R6108IZLD	R6108IZLD	
Engine Power - Stand By	kW	145	145	185	185
Engine Power - Prime	kW	132	132	165	165
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		7.01	7.01	7.01	7.01
Bore x Stroke (mm)		105x135	105x135	110x135	110x135
Compression Rate		16:1	16:1	16:1	16:1
Governor Type		Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		16	16	23	23
Coolant Capacity (lt)		25	25	45	45
Fuel Tank Capacity (lt)		225	225	225	225
Fuel Consumption lt / h	100% of Prime Power	33.5	35.5	49.4	50
	75% of Prime Power	25.1	26.1	37	39.2
	50% of Prime Power	16.7	17.8	24	25.1

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1050x3000x2035	1050x3000x2035	1050x3000x2035	1050x3000x2035
Canopy Weight	kg	1645	1695	1750	1810
Open Dimensions	mm (WxDxH)	1050x2400x1750	1050x2400x1750	1050x2400x1750	1050x2400x1750
Open Weight	kg	1360	1380	1415	1480

Aytemiz-Makelsan reserves the right to make changes in model, specification, color, equipment and accessories without prior notice.

N/A: These dimensions and weights may change depending upon the characteristics of the project.

## MJV SERIES 110-200 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJV0110	MJV0145	MJV0167	MJV0200
Stand By Power	kVA	110	145	167	200
	kW	88	116	133.6	160
Prime Power	kVA	100	131.8	151.8	181.8
	kW	80	105.5	121.5	145.5

#### DIESEL ENGINE

BRAND	VOLVO PENTA				
Model	TAD531GE	TAD532GE	TAD731GE	TAD732GE	
Engine Power - Stand By	98	125	148	179	
Engine Power - Prime	88	112	133	160	
Engine Speed (rpm)	1500	1500	1500	1500	
Number of Cylinder	4 - In Line	4 - In Line	6 - In Line	6 - In Line	
Displacement (lt)	4.76	4.76	7.15	7.15	
Bore x Stroke (mm)	108x130	108x130	108x130	108x130	
Compression Rate	18:1	17.5:1	18:1	18:1	
Governor Type	Electronic	Electronic	Electronic	Electronic	
Induction	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	
Combustion System	Direct Injection	Direct Injection	Direct Injection	Direct Injection	
Cooling System	Water Cooled	Water Cooled	Water Cooled	Water Cooled	
Lubrication Oil Capacity (lt)	13	11	20	34	
Coolant Capacity (lt)	19.7	20.2	23.8	41.8	
Fuel Tank Capacity (lt)	180	280	380	380	
Fuel Consumption lt / h	100% of Prime Power	22.6	31.5	33.6	40.1
	75% of Prime Power	16.9	23.1	25.2	30
	50% of Prime Power	11.6	15.6	17.1	20.6

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1050x2700x1770	1050x2700x1770	1100x3400x1850	1200x3420x2100
Canopy Weight	kg	1305	1565	1810	1955
Open Dimensions	mm (WxDxH)	1050x2700x1600	1000x2400x1600	1100x3400x1700	1200x3420x2100
Open Weight	kg	1100	1315	1560	1705

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## MJV SERIES 220-350 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJV0220	MJV0275	MJV0330	MJV0350
Stand By Power	kVA	220	275	330	350
	kW	176	220	264	280
Prime Power	kVA	200	250	300	318.2
	kW	160	200	240	254.5

#### DIESEL ENGINE

BRAND	VOLVO PENTA				
Model	TAD733GE	TAD734GE	TAD1341GE	TAD1341GE	
Engine Power - Stand By	kW	195	238	298	298
Engine Power - Prime	kW	175	213	271	271
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		7.15	7.15	12.78	12.78
Bore x Stroke (mm)		108x130	108x130	131x158	131x158
Compression Rate		18.1:1	17:1	18.1:1	18.1:1
Governor Type		Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		34	29	36	36
Coolant Capacity (lt)		41.8	42	44	44
Fuel Tank Capacity (lt)		380	580	1050	1050
Fuel Consumption lt / h	100% of Prime Power	44.5	51.1	55.5	60.1
	75% of Prime Power	33	40.8	42.4	46.6
	50% of Prime Power	22.3	29.2	30.5	32.2

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1200x3420x2100	1300x3800x1900	1400x4200x2200	1400x4200x2200
Canopy Weight	kg	1960	2710	3575	3575
Open Dimensions	mm (WxDxH)	1200x3420x2000	1300x3800x1750	1400x4200x2050	1400x4200x2050
Open Weight	kg	1710	2675	3035	3035

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N/A: These dimensions and weights may change depending upon the characteristics of the project.



## MJV SERIES 385-500 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJV0385	MJV0415	MJV0450	MJV0500
Stand By Power	kVA	385	415	450	500
	kW	308	332	360	400
Prime Power	kVA	350	370	400	450
	kW	280	296	320	320

#### DIESEL ENGINE

BRAND	VOLVO PENTA				
Model	TAD1342GE	TAD1343GE	TAD1344GE	TAD1341GE	
Engine Power - Stand By	kW	298	356	389	431
Engine Power - Prime	kW	271	325	354	388
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		12.78	12.78	12.78	12.78
Bore x Stroke (mm)		131x158	131x158	131x158	131x158
Compression Rate		18.1:1	18.1:1	18.1:1	18.1:1
Governor Type		Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		36	36	36	36
Coolant Capacity (lt)		44	44	44	44
Fuel Tank Capacity (lt)		1050	1050	1050	1050
Fuel Consumption lt / h	100% of Prime Power	68.1	73.4	80.8	89.5
	75% of Prime Power	51.6	55.3	61.5	67.4
	50% of Prime Power	35.8	38.2	41.6	45.4

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1400x4200x2200	1400x4200x2200	1400x4200x2200	1970x5000x2500
Canopy Weight	kg	1960	2710	3575	3575
Open Dimensions	mm (WxDxH)	1400x4200x2050	1400x4200x2050	1400x4200x2050	1970x5000x2250
Open Weight	kg	3035	3080	3715	3260

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N/A: These dimensions and weights may change depending upon the characteristics of the project.

## MJV SERIES 550-770 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJV0550	MJV0660	MJV0700	MJV0770
Stand By Power	kVA	550	660	700	770
	kW	440	528	560	616
Prime Power	kVA	500	600	636.3	700
	kW	400	480	509.1	560

#### DIESEL ENGINE

BRAND	VOLVO PENTA				
Model	TAD1641GE	TAD1642GE	TWD1643GE	TWD1645GE	
Engine Power - Stand By	kW	473	554	596	654
Engine Power - Prime	kW	430	503	536	588
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		12.78	12.78	12.78	12.78
Bore x Stroke (mm)		131x158	131x158	131x158	131x158
Compression Rate		18.1:1	18.1:1	18.1:1	18.1:1
Governor Type		Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		36	36	36	36
Coolant Capacity (lt)		44	44	44	44
Fuel Tank Capacity (lt)		1050	1050	1050	1050
Fuel Consumption lt / h	100% of Prime Power	101.8	118.5	127.0	133.5
	75% of Prime Power	75.2	87.6	93.9	99.4
	50% of Prime Power	50.9	58.4	62.5	68.4

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1970x5000x2500	1970x5000x2500	1970x5000x2500	1970x5000x2500
Canopy Weight	kg	3960	4165	4640	4690
Open Dimensions	mm (WxDxH)	1970x5000x2250	1970x5000x2250	1970x5000x2250	1970x5000x2250
Open Weight	kg	3420	3625	4100	4150

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## MJY SERIES 17-45 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJY0017	MJY0022	MJY0028	MJY0033	MJY0045
Stand By Power	kVA	17	22	28	33	45
	kW	13.6	17.6	24.4	26.4	36
Prime Power	kVA	15	20	25.4	30	40.9
	kW	12	16	20.3	24	32.7

#### DIESEL ENGINE

BRAND	YANG DONG					
Model	YD480D	YND485	Y490D	Y495D	Y4105D	
Engine Power - Stand By	16	19	26.4	30	41.8	
Engine Power - Prime	14	17	24	27	38	
Engine Speed (rpm)	1500	1500	1500	1500	1500	
Number of Cylinder	4 - In Line	4 - In Line	4 - In Line	4 - In Line	4 - In Line	
Displacement (lt)	1.809	2.156	2.67	2.97	4.1	
Bore x Stroke (mm)	80x90	85x95	90x105	95x105	105x118	
Compression Rate	18:1	18:1	18:1	18:1	18:1	
Governor Type	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	
Induction	Natural	Natural	Natural	Natural	Natural	
Combustion System	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	
Cooling System	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	
Lubrication Oil Capacity (lt)	4.5	5.5	7.6	7.6	13	
Coolant Capacity (lt)	11.4	12.6	14.2	14.2	16.8	
Fuel Tank Capacity (lt)	90	90	90	125	125	
Fuel Consumption lt / h	100% of Prime Power	4.16	4.94	6.06	7.6	10.5
	75% of Prime Power	3.12	3.85	5.1	5.81	8.1
	50% of Prime Power	2.08	2.4	3.41	3.75	5.4

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	900x2000x1310	900x2000x1310	900x2000x1310	900x2000x1310	1000x2300x1715
Canopy Weight	kg	715	740	810	840	1050
Open Dimensions	mm (WxDxH)	900x1500x1100	900x1500x1100	900x1500x1100	900x1500x1100	1000x2300x1450
Open Weight	kg	530	545	610	640	850

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N/A: These dimensions and weights may change depending upon the characteristics of the project.

## MJY SERIES 55-105 kVA

### TECHNICAL SPECIFICATIONS



#### GENERATOR GROUP

MODEL		MJY0055	MJY0070	MJY0077	MJY0105
Stand By Power	kVA	55	70	77	105
	kW	44	56	61.6	84
Prime Power	kVA	50	63.6	70	95.5
	kW	40	50.9	56	76.4

#### DIESEL ENGINE

BRAND	YANG DONG				
Model	Y4102ZLD	Y4105ZLD	YD4EZLD	Y4110ZLD	
Engine Power - Stand By	kW	52.8	66	72.6	99
Engine Power - Prime	kW	48	60	66	90
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		4 - In Line	4 - In Line	4 - In Line	4 - In Line
Displacement (lt)		3.87	4.1	4.1	4.4
Bore x Stroke (mm)		102x118	105x118	105x118	110x118
Compression Rate		18:1	18:1	18:1	18:1
Governor Type		Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		13	13	13	14
Coolant Capacity (lt)		15.1	15.1	15.8	18
Fuel Tank Capacity (lt)		125	160	160	160
Fuel Consumption lt / h	100% of Prime Power	12.7	15.5	16.9	23.2
	75% of Prime Power	9.6	11.8	12.7	17.7
	50% of Prime Power	6.4	7.9	8.6	11.8

#### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1000x2300x1715	1050x2700x1875	1050x2700x1875	1050x2700x1875
Canopy Weight	kg	1150	1240	1280	1375
Open Dimensions	mm (WxDxH)	1000x1750x1450	1050x2090x1650	1050x2090x1650	1050x2090x1650
Open Weight	kg	945	1040	1060	1135

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N/A: These dimensions and weights may change depending upon the characteristics of the project.

# MJW SERIES 220-400 kVA

## TECHNICAL SPECIFICATIONS



GENERATOR GROUP		MJW0220	MJW0275	MJW0330	MJW0400
<b>MODEL</b>					
Stand By Power	kVA	220	275	330	400
	kW	176	220	264	320
Prime Power	kVA	200	250	300	363.6
	kW	160	200	240	290.9

DIESEL ENGINE		SHANGHAI QN			
<b>BRAND</b>					
Model		QN8H217Z	QN9H245	QN9H272Z	QN13H340
Engine Power - Stand By	kW	206	227	263	308
Engine Power - Prime	kW	187	206	230	280
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		8.27	8.82	8.82	12.9
Bore x Stroke (mm)		114x135	114x135	114x135	135x150
Compression Rate		18:1	18:1	18:1	15.5:1
Governor Type		Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		12	19	19	41
Coolant Capacity (lt)		40	40	40	80
Fuel Tank Capacity (lt)		353	353	353	491
Fuel Consumption lt / h	100% of Prime Power	49	51	51	65
	75% of Prime Power	36	38	38	47
	50% of Prime Power	24	26	26	32

ALTERNATOR		SHANGHAI QN			
Output Voltage (V)		400/230			
Power Factor		0.8			
Number of Poles		4			
Frequency (Hz)		50			
Voltage Regulation		±%0,5			
Connection Type		Star			

DIMENSIONS & WEIGHT		MJW0220	MJW0275	MJW0330	MJW0400
Canopy Dimensions	mm (WxDxH)	1300x3300x2100	1300x3300x2100	1300x3300x2100	1550x3500x2450
Canopy Weight	kg	2500	2600	2850	3350
Open Dimensions	mm (WxDxH)	1300x3300x1700	1300x3300x1700	1300x3300x1700	1550x3500x2000
Open Weight	kg	2200	2300	2550	2000

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N/A: These dimensions and weights may change depending upon the characteristics of the project.

# MJW SERIES 460-640 kVA

## TECHNICAL SPECIFICATIONS



### GENERATOR GROUP

MODEL		MJW0460	MJW0500	MJW0605	MJW640
Stand By Power	kVA	460	500	605	640
	kW	368	400	484	512
Prime Power	kVA	418.2	454.5	550	581.9
	kW	334.5	413.2	440	465.5

### DIESEL ENGINE

BRAND	SHANGHAI QN				
Model	QN13H435	QN13H516	QN26H571	QN26H612	
Engine Power - Stand By	kW	375	450	560	510
Engine Power - Prime	kW	341	409	418	464
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	12 - V Type	12 - V Type
Displacement (lt)		14.2	14.2	14.8	25.8
Bore x Stroke (mm)		135x165	135x165	138x168	135x150
Compression Rate		15.5:1	15.5:1	16:1	16:1
Governor Type		Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		41	41	65	65
Coolant Capacity (lt)		80	80	147	147
Fuel Tank Capacity (lt)		491	885	885	885
Fuel Consumption lt / h	100% of Prime Power	81	91	105	126
	75% of Prime Power	60	69	80	95
	50% of Prime Power	41	48	55	66

### 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 & WEIGHT

Canopy Dimensions	mm (WxDxH)	1550x3500x2450	1550x3500x2450	1800x4800x2700	1800x4000x2700
Canopy Weight	kg	3460	3700	5700	5300
Open Dimensions	mm (WxDxH)	1550x3500x2000	1550x3500x2000	1800x4000x2200	1800x4000x2200
Open Weight	kg	3050	3250	4900	4500

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N/A: These dimensions and weights may change depending upon the characteristics of the project.

# MJW SERIES 715-1125 kVA

## TECHNICAL SPECIFICATIONS



GENERATOR GROUP		MJW0715	MJW0825	MJW1000	MJW1125
Stand By Power	kVA	715	825	1000	1125
	kW	572	660	800	900
Prime Power	kVA	650	750	909	1023
	kW	520	600	727.3	819

DIESEL ENGINE		SHANGHAI QN			
BRAND		SHANGHAI QN			
Model		QN28H748	QN28H843	QN28H960	QN28H1100
Engine Power - Stand By	kW	630	720	840	936
Engine Power - Prime	kW	573	655	764	851
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		12 - V Type	12 - V Type	12 - V Type	12 - V Type
Displacement (lt)		26.6	26.6	28.3	28.3
Bore x Stroke (mm)		135x158	135x158	138x165	138x165
Compression Rate		16:1	16:1	16:1	15.4:1
Governor Type		Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		65	65	65	65
Coolant Capacity (lt)		147	147	147	147
Fuel Tank Capacity (lt)		885	885	885	1100
Fuel Consumption lt / h	100% of Prime Power	141	162	162	162
	75% of Prime Power	107	113	113	113
	50% of Prime Power	74	77	77	77

ALTERNATOR		SHANGHAI QN			
Output Voltage (V)		400/230			
Power Factor		0.8			
Number of Poles		4			
Frequency (Hz)		50			
Voltage Regulation		±%0,5			
Connection Type		Star			

DIMENSIONS & WEIGHT		MJW0715	MJW0825	MJW1000	MJW1125
Canopy Dimensions	mm (WxDxH)	2000x4000x2700	2000x4000x2700	2400x5100x2800	2400x5100x2800
Canopy Weight	kg	5100	5400	7500	7500
Open Dimensions	mm (WxDxH)	2000x4000x2200	2000x4000x2200	2400x5100x2300	2400x5100x2300
Open Weight	kg	4250	4560	6000	6000

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N/A: These dimensions and weights may change depending upon the characteristics of the project.



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**Headquarter**

İstanbul Deri Organize Sanayi Bölgesi Alsancak Sk. No: 8/A, 34956 Tuzla-İstanbul/Turkey

T : +90 (216) 428 65 80 F : +90 (216) 327 51 64 E : jenerator@makelsan.com.tr

**Factory**

Orhanlı Mah. Demokrasi Cad. No: 16/1, 34956 Tuzla-İstanbul/Turkey

T : +90 (216) 428 65 80 F : +90 (216) 327 51 64 E : jenerator@makelsan.com.tr



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[www.makelsan.com.tr](http://www.makelsan.com.tr)