P R O D U C T C A T A L O G U E

DIESEL GENERATORS

10-2750 kVA



Aytemiz MAKELSAN®
Uninterruptible Power Supplies/Generator

POWER FORLIFE

www.makelsan.com.tr

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 10-2750kVA, Static & Dynamic Uninterruptible Power Supplies, Servo & Static Voltage Regulators to Renewable Energy Products, DC Power Supply, Telecom Equipments, Battery Chargers, Inverters and Datacenter Solutions. Headquarted 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.

CE TSE TSE-HYB TCS ISO 9001-ISO 14001-ISO 45001-ISO 10002 TÜRKAK TÜRKAK TÜRKAK

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 · Baudouin · SHANGHAI DONGFENG · Perkins · LISTER PETTER · RICARDO · VOLVO PENTA · YANGDONG · SHANGHAI QN · KOFO

ALTERNATOR

GLORIA · LEROY SOMER · STAMFORD

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

DEUTZ

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	kW	22	32	44	50	60
Engine Power - Prime	kW	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)		79	79	113	113	187
Fuel Consumption lt / h	100% of Prime Power	3.5	5.3	7.0	8.4	9.9
	75% of Prime Power	2.6	4.0	5.3	6.3	7.4
	50% of Prime Power	1.8	2.6	3.5	4.2	5.0

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)	900x2000x1410	900x2000x1410	1000x2300x1700	1000x2300x1700	1050x2700x1830
Canopy Weight	kg	760	895	940	1050	1230
Open Dimensions	mm (WxDxH)	900x1500x1100	900x1500x1100	1000x1750x1450	1000x1750x1450	1050x2090x1650
Open Weight	kg	620	735	790	835	960

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DEUTZ

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	kW	75	93	102	116
Engine Power - Prime	kW	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)		187	187	187	300
Fuel Consumption lt / h	100% of Prime Power	12.2	15.3	16.8	19.1
	75% of Prime Power	9.2	11.5	12.6	14.3
	50% of Prime Power	6.1	7.6	8.4	9.5

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)	1050x2700x1830	1050x2700x1830	1050x3000x2130	1050x3000x2130
Canopy Weight	kg	1300	1350	1440	1520
Open Dimensions	mm (WxDxH)	1050x2090x1650	1050x2090x1650	1050x2400x1750	1050x2400x1750
Open Weight	kg	1050	1120	1170	1265

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DEUTZ

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)		300	300	300	300
Fuel Consumption lt / h	100% of Prime Power	22.1	26.7	30.5	33.6
	75% of Prime Power	16.6	20.0	22.9	25.2
	50% of Prime Power	11.1	13.4	15.3	16.8

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)	1050x3000x2130	1050x3000x2130	1050x3000x2130	1200x3420x2260
Canopy Weight	kg	1700	1900	2150	2400
Open Dimensions	mm (WxDxH)	1050x2400x1750	1050x2400x1750	1050x2400x1750	1200x2800x1780
Open Weight	kg	1390	1650	1750	2000

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DEUTZ

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)		415	598	598	598
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)	1200x3420x2260	1600x3700x2200	1600x3700x2200	1600x3700x2200
Canopy Weight	kg	2950	3400	3500	3500
Open Dimensions	mm (WxDxH)	1200x2800x1780	1600x3200x2000	1600x3200x2000	1600x3200x2000
Open Weight	kg	2350	2900	3000	3150

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DEUTZ

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)		702	702	1003	1003
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)	1750x3700x2120	2100x4800x2330	2100x4800x2330	2100x4800x2330
Canopy Weight	kg	3650	4400	4520	4520
Open Dimensions	mm (WxDxH)	1750x3504x2000	2100x4000x2200	2100x4000x2200	2100x4000x2200
Open Weight	kg	3850	3900	4000	4050

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Moteurs Baudouin

MJB SERIES 20-50 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJB0020	MJB0025	MJB0035	MJB0044	MJB0050
Stand By Power	kVA	20	25	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		BAUDOUIN				
Model		4M06G20/5	4M06G25/5	4M06G33/5	4M06G44/5	4M06G50/5
Engine Power - Stand By	kW	20	25	33	41	48
Engine Power - Prime	kW	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)		79	79	113	113	113
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)	900x2000x1410	900x2000x1410	1000x2300x1700	1000x2300x1700	1000x2300x1700
Canopy Weight	kg	750	850	900	900	900
Open Dimensions	mm (WxDxH)	900x1500x1100	900x1500x1100	1000x1750x1450	1000x1750x1450	1000x1750x1450
Open Weight	kg	600	700	710	730	750

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Moteurs Baudouin

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		BAUDOUIN				
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)		113	187	187	187	187
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)	1000x2300x1700	1050x2700x1830	1050x2700x1830	1050x2700x1830	1050x2700x1830
Canopy Weight	kg	1010	1100	1100	1130	1325
Open Dimensions	mm (WxDxH)	1000x1750x1450	1050x2090x1650	1050x2090x1650	1050x2090x1650	1050x2090x1650
Open Weight	kg	765	1050	1050	1100	1100

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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

Moteurs Baudouin

MJB SERIES 110-220 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJB0110	MJB0120	MJB0150	MJB0165	MJB0220
Stand By Power	kVA	110	120	150	165	220
	kW	88	96	120	132	176
Prime Power	kVA	100	109	135	150	200
	kW	80	87.3	109	120	160

DIESEL ENGINE

BRAND		BAUDOUIN				
Model		4M10G110/5	4M11G120/5	6M11G150/5	6M11G165/5	6M16G220/5
Engine Power - Stand By	kW	100	108	140	152	200
Engine Power - Prime	kW	90	98	128	138	182
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)		4.087	4.5	6.75	6.75	9.726
Bore x Stroke (mm)		105x118	105x130	105x130	105x130	126x130
Compression Rate		17.5:1	18:1	18:1	18:1	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)		13	11	17	17	24
Coolant Capacity (lt)		23.6	13.3	17	17	44
Fuel Tank Capacity (lt)		187	300	300	300	415
Fuel Consumption lt / h	100% of Prime Power	21.25	23.3	30.4	32.7	42.1
	75% of Prime Power	16.0	17.4	23.1	24.5	31.6
	50% of Prime Power	10.58	11.9	15.9	16.7	21.9

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)	1050x2700x1830	1050x3000x2130	1050x3000x2130	1050x3000x2130	1050x3000x2130
Canopy Weight	kg	1447	1650	1900	2400	2550
Open Dimensions	mm (WxDxH)	1050x2090x1650	1050x2400x1750	1050x2400x1750	1050x2400x1750	1050x2400x1750
Open Weight	kg	1127	1500	1500	2000	2150

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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

Moteurs Baudouin

MJB SERIES 250-400 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJB0250	MJB0275	MJB0300	MJB0350	MJB0400
Stand By Power	kVA	250	275	300	350	400
	kW	200	220	240	280	320
Prime Power	kVA	227.2	250	273	318.2	363.6
	kW	181.8	200	218.4	254.5	290.9

DIESEL ENGINE

BRAND		BAUDOUIN				
Model		6M16G250/5	6M16G275/5	6M16G300/5	6M16G350/5	6M21G400/5
Engine Power - Stand By	kW	238	264	280	320	385
Engine Power - Prime	kW	216	240	255	291	350
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	9.726	12.54
Bore x Stroke (mm)		126x130	126x130	126x130	126x130	127x165
Compression Rate		17:1	17:1	17:1	17:1	16:1
Governor Type		Electronic	Electronic	Electronic	ECU	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	26	30
Coolant Capacity (lt)		44	44	44	50	55
Fuel Tank Capacity (lt)		415	415	415	457	457
Fuel Consumption lt / h	100% of Prime Power	50.9	56.9	58.8	70.5	85
	75% of Prime Power	38.1	42.2	45.2	52.3	63.5
	50% of Prime Power	25.9	28.4	32.6	35.3	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)	1200x3420x2260	1200x3420x2260	1200x3420x2260	1600x3700x2200	1600x3700x2200
Canopy Weight	kg	2700	3150	3250	3350	3540
Open Dimensions	mm (WxDxH)	1200x2800x1780	1200x2800x1780	1200x2800x1780	1600x3200x2000	1600x3200x2000
Open Weight	kg	2350	2600	2700	2800	2900

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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

Moteurs Baudouin

MJB SERIES 440-715 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJB0440	MJB0500	MJB0550	MJB0660	MJB0715
Stand By Power	kVA	440	500	550	660	715
	kW	352	400	440	528	572
Prime Power	kVA	400	454.5	500	600	650
	kW	320	363.6	400	480	520

DIESEL ENGINE

BRAND		BAUDOUIN				
Model		6M21G440/5	6M21G500/5	6M26G550/5	6M33G660/5	6M33G715/5
Engine Power - Stand By	kW	405	450	490	587	633
Engine Power - Prime	kW	368	409	448	536	575
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	12.54	15.90	19.60	19.60
Bore x Stroke (mm)		127x165	127x165	150x150	150x185	150x185
Compression Rate		16:1	16:1	15.9:1	15:1	15:1
Governor Type		Electronic	ECU	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	30	52	52	61
Coolant Capacity (lt)		55	55	108.7	108.7	129
Fuel Tank Capacity (lt)		457	457	548	548	1003
Fuel Consumption lt / h	100% of Prime Power	85	112.9	104.9	122.8	135.1
	75% of Prime Power	63.5	77.8	78.4	92.8	99.3
	50% of Prime Power	43.1	52	53.6	64.4	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)	1600x3700x2200	1600x3700x2200	1750x3700x2120	2100x4800x2330	2100x4800x2330
Canopy Weight	kg	4105	4350	4950	5250	5590
Open Dimensions	mm (WxDxH)	1600x3200x2000	1600x3200x2000	1750x3504x2000	2100x4000x2200	2100x4000x2200
Open Weight	kg	3590	3750	4900	4900	4900

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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

Moteurs Baudouin

MJB SERIES 750-1100 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJB0750	MJB0825	MJB0900	MJB1000	MJB1100
Stand By Power	kVA	750	825	900	1000	1100
	kW	600	660	720	800	880
Prime Power	kVA	681.8	750	818.2	909	1000
	kW	545.5	600	654.5	727.2	800

DIESEL ENGINE

BRAND		BAUDOUIN				
Model		6M33G750/5	6M33G825/5	12M26G900/5	12M26G1000/5	12M26G1100/5
Engine Power - Stand By	kW	670	725	793	902	973
Engine Power - Prime	kW	610	659	725	820	889
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - V Type	12 - V Type	12 - V Type	6 - In Line
Displacement (lt)		19.60	19.60	31.80	31.80	31.80
Bore x Stroke (mm)		150x185	150x185	150x150	150x150	150x150
Compression Rate		15:1	15.0:1	15.7:1	15.7:1	15.7:1
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	61	109	109	109
Coolant Capacity (lt)		159	159	148	148	148
Fuel Tank Capacity (lt)		1003	1003	1003	1003	1003
Fuel Consumption lt / h	100% of Prime Power	135.1	150.1	172.5	196.8	205.0
	75% of Prime Power	99.3	112.2	130.4	147.2	154.1
	50% of Prime Power	66.4	72.5	91	101.8	105.7

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)	2100x4800x2330	2100x4800x2330	2130x5000x2600	2130x4500x2600	2130x5000x2650
Canopy Weight	kg	7480	7790	7890	8250	9035
Open Dimensions	mm (WxDxH)	2100x4000x2200	2100x4000x2200	2130x4500x2300	2130x4500x2300	2130x4500x2300
Open Weight	kg	6000	6310	6410	6770	7370

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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

Moteurs Baudouin

MJB SERIES 1250-1700 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP						
MODEL		MJB1250	MJB1400	MJB1500	MJB1650	MJB1700
Stand By Power	kVA	1250	1400	1500	1650	1700
	kW	1000	1120	120	1320	1360
Prime Power	kVA	1136.3	1250	1363.6	1500	1545.5
	kW	909	1000	1090.9	1200	1236.4

DIESEL ENGINE						
BRAND		BAUDOUIN				
Model		12M33G1250/5	12M33G1400/5	12M33G1500/5	12M33G1650/5	16M33G1700/5
Engine Power - Stand By	kW	1108	1210	1320	1450	1530
Engine Power - Prime	kW	1007	1100	1200	1318	1390
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		12 - V Type	12 - V Type	12 - V Type	12 - V Type	16 - V Type
Displacement (lt)		39.2	39.2	39.2	39.2	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	Electronic	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	155	171
Coolant Capacity (lt)		188	188	188	303	400
Fuel Tank Capacity (lt)		1003	N/A	N/A	N/A	N/A
Fuel Consumption lt / h	100% of Prime Power	198.4	N/A	N/A	N/A	N/A
	75% of Prime Power	147	N/A	N/A	N/A	N/A
	50% of Prime Power	100.3	N/A	N/A	N/A	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)	2130x5000x2650	N/A	N/A	N/A	N/A
Canopy Weight	kg	9120	N/A	N/A	N/A	N/A
Open Dimensions	mm (WxDxH)	2130x5000x2300	N/A	N/A	N/A	N/A
Open Weight	kg	7450	N/A	N/A	N/A	N/A

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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

Moteurs Baudouin

MJB SERIES 1900-2750 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP						
MODEL		MJB1900	MJB2000	MJB2250	MJB2550	MJB2750
Stand By Power	kVA	1900	2000	2250	2550	2750
	kW	1520	1600	1800	2040	2200
Prime Power	kVA	1727.2	1818.2	2045.4	2318.2	2500
	kW	1381.2	1454.5	1636.3	1854.5	2000
DIESEL ENGINE						
BRAND		BAUDOUIN				
Model		16M33G1900/5	16M33G2000/5	16M33G2250/5	12M55G2550/5	12M55G2750/5
Engine Power - Stand By	kW	1650	1800	1980	2210	2450
Engine Power - Prime	kW	1530	1620	1800	1985	2200
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		16 - V Type	16 - V Type	16 - V Type	12 - V Type	12 - V Type
Displacement (lt)		52.3	52.3	52.3	65.65	65.65
Bore x Stroke (mm)		150x185	150x185	150x185	180x215	180x215
Compression Rate		15:1	15:1	14:1	16.5:1	16.5:1
Governor Type		ECU	ECU	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)		171	171	171	560	560
Coolant Capacity (lt)		400	400	412	306	306
Fuel Tank Capacity (lt)		N/A	N/A	N/A	N/A	N/A
Fuel Consumption lt / h	100% of Prime Power	N/A	N/A	N/A	N/A	N/A
	75% of Prime Power	N/A	N/A	N/A	N/A	N/A
	50% of Prime Power	N/A	N/A	N/A	N/A	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	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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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

SHANGHAI DONGFENG

MJS SERIES 220-440 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJS0220	MJS0275	MJS0330	MJS0400	MJS0440
Stand By Power	kVA	220	275	330	400	440
	kW	176	220	264	320	352
Prime Power	kVA	200	250	300	363.6	400
	kW	160	200	240	290.9	320

DIESEL ENGINE

BRAND		SHANGHAI DONGFENG				
Model		SM129TD21	SM129TAD24	SMG128TAD28	SMG128TAD31	SMG142TAD38
Engine Power - Stand By	kW	206	245	280	324	378
Engine Power - Prime	kW	187	223	255	295	344
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)		8.27	8.27	8.82	12.9	12.9
Bore x Stroke (mm)		114x135	114x135	114x135	135x150	135x150
Compression Rate		18:1	18:1	18:1	17:1	15.5:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged	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)		30	30	30	40	40
Coolant Capacity (lt)		48	48	48	64	64
Fuel Tank Capacity (lt)		415	415	415	610	610
Fuel Consumption lt / h	100% of Prime Power	33,6	42,0	50,4	61,1	67,2
	75% of Prime Power	25,2	31,5	37,8	45,8	50,4
	50% of Prime Power	16,8	21,0	25,2	30,5	33,6

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)	1200x3420x2260	1200x3420x2260	1200x3420x2260	1600x3700x2200	1600x3700x2200
Canopy Weight	kg	2250	2400	2430	3450	3600
Open Dimensions	mm (WxDxH)	1200x2800x1780	1200x2800x1780	1200x2800x1780	1600x3200x2000	1600x3200x2000
Open Weight	kg	1900	1950	2100	3035	3120

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POWER FORLIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

SHANGHAI DONGFENG

MJS SERIES 500-700 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJS0500	MJS0550	MJS0570	MJS0630	MJS0700
Stand By Power	kVA	500	550	570	630	700
	kW	400	440	456	504	560
Prime Power	kVA	455	500	518.2	572.7	636
	kW	364	400	414.5	458.2	509

DIESEL ENGINE

BRAND		SHANGHAI DONGFENG				
Model		SMG258TAD45	SMG258TAD46	SMG258TAD51	SMG266TAD56	SMG266TAD63
Engine Power - Stand By	kW	450	560	510	565	630
Engine Power - Prime	kW	409	418	464	514	573
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	12 - V Type	12 - V Type	12 - V Type
Displacement (lt)		14.2	14.8	25.8	25.8	25.8
Bore x Stroke (mm)		135x165	138x168	135x150	135x160	135x150
Compression Rate		15.5:1	16:1	16:1	16:1	16:1
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)		48	48	60	60	65
Coolant Capacity (lt)		88	88	108	108	108
Fuel Tank Capacity (lt)		610	548	548	1003	1003
Fuel Consumption lt / h	100% of Prime Power	76,4	84,0	87,0	96,2	106,9
	75% of Prime Power	57,3	63,0	65,3	72,2	80,2
	50% of Prime Power	38,2	42,0	43,5	48,1	53,4

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)	1600x3700x2200	1750x3700x2120	2100x4800x2330	2100x4800x2330	2100x4800x2330
Canopy Weight	kg	3700	3750	5300	5450	5350
Open Dimensions	mm (WxDxH)	1600x3200x2000	1750x3504x2000	2100x4000x2200	2100x4000x2200	2100x4000x2200
Open Weight	kg	3200	3250	4480	4550	4775

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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

SHANGHAI DONGFENG

MJS SERIES 825-1250 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJS0825	MJS0935	MJS1000	MJS1125	MJS1250
Stand By Power	kVA	825	935	1000	1125	1250
	kW	660	748	800	900	1000
Prime Power	kVA	750	850	909	1136	1136
	kW	600	680	727.3	908.8	908.8

DIESEL ENGINE

BRAND		SHANGHAI DONGFENG				
Model		SM283TAD72	SYZ253TAD75T3-D1	SM302TAD88	SM302TAD97	SM302TAD97
Engine Power - Stand By	kW	720	748	886	970	970
Engine Power - Prime	kW	655	680	805	882	882
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		12 - V Type	6 - In Line	12 - V Type	4 - Sıralı	12 - V Type
Displacement (lt)		26.6	25.33	28.3	30.2	30.2
Bore x Stroke (mm)		135x155	160x210	138x158	138x168	138x168
Compression Rate		16:1	15	15.4:1	15.5:1	15.5:1
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)		67	80	75	65	65
Coolant Capacity (lt)		108	-	123	140	140
Fuel Tank Capacity (lt)		1003	1450	1003	1003	1003
Fuel Consumption lt / h	100% of Prime Power	126,0	165	152,7	257	152,7
	75% of Prime Power	94,5	121	114,5	191	114,5
	50% of Prime Power	63,0	83	76,4	131	76,4

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)	2100x4800x2330	2100x4800x2330	2130x4500x2600	2130x5000x2600	2130x5000x2650
Canopy Weight	kg	5500	6770	6500	8000	8500
Open Dimensions	mm (WxDxH)	2100x4000x2200	2100x4000x2440	2130x4500x2300	2130x5000x2300	2130x5000x2300
Open Weight	kg	5000	5220	6000	7500	7500

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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

Perkins

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	kW	9.2	13.2	20.3	31	46.5
Engine Power - Prime	kW	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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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

Perkins

MJP SERIES 66-150 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJP0066	MJP0072	MJP0088	MJP0110	MJP0150
Stand By Power	kVA	66	72	88	110	150
	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

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)	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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POWER FORLIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

Perkins

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	kW	149	177	196	226	249
Engine Power - Prime	kW	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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POWER FORLIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

Perkins

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

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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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

Perkins

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

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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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

Perkins

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

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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Perkins

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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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

Perkins

MJP SERIES 2000-2500 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJP2000	MJP2250	MJP2500
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

DIESEL ENGINE

BRAND		PERKINS		
Model		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

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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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

LISTER PETTER

MJL SERIES **18-44** kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJL0018	MJL0025	MJL0030	MJL0035	MJL0044
Stand By Power	kVA	18	25	30	35	44
	kW	14	20	24	28	35
Prime Power	kVA	16	23	27	32	40
	kW	13	18	21.6	25	32

DIESEL ENGINE

BRAND		LISTER PETTER				
Model		SA423G1	SA427G1	SA430G1	SA432G1	SA432G2
Engine Power - Stand By	kW	18	24	30	35	44
Engine Power - Prime	kW	16	22	27	32	39
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	2.7	3.0	3.2	3.2
Bore x Stroke (mm)		85x100	90x105	95x105	98x105	98x105
Compression Rate		18.0:1	18.5:1	18.5:1	18.5:1	18.5:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic
Induction		Natural	Natural	Natural	Natural	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)		6	8	8	8	8
Coolant Capacity (lt)		9.1	9.8	11.4	11.4	13.2
Fuel Tank Capacity (lt)		79	79	79	113	113
Fuel Consumption lt / h	100% of Prime Power	4.9	5.8	7.3	8.5	9.7
	75% of Prime Power	3.85	4.25	5.5	6.15	7.3
	50% of Prime Power	2.75	3	3.9	4.35	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)	900x2000x1410	900x2000x1410	900x2000x1410	1000x2300x1700	1000x2300x1700
Canopy Weight	kg	750	850	900	900	900
Open Dimensions	mm (WxDxH)	900x1500x1100	900x1500x1100	900x1500x1100	1000x1750x1450	1000x1750x1450
Open Weight	kg	600	700	755	765	785

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POWER FORLIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

LISTER PETTER

MJL SERIES **55-110** kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJL0055	MJL0070	MJL0074	MJL0090	MJL0110
Stand By Power	kVA	55	70	74	90	110
	kW	44	56	59	72	88
Prime Power	kVA	50	64	68	83	100
	kW	40	51	54	66	80

DIESEL ENGINE

BRAND		LISTER PETTER				
Model		SA435G1	SA441G1	SA441G2	LP443G3	LP443G4
Engine Power - Stand By	kW	54	65	70	86	105
Engine Power - Prime	kW	49	59	64	78	95
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)		3.5	4.1	4.1	4.3	4.3
Bore x Stroke (mm)		98x115	105x118	105x118	105x124	105x124
Compression Rate		18.5:1	18.0:1	18.0:1	17.3:1	16.0:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged	TurboCharged	TurboCharged-Intercooler	TurboCharged	Turbo-AirtoAirIntercooler
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	8	8	13	13
Coolant Capacity (lt)		14.2	27.6	27.6	31	31
Fuel Tank Capacity (lt)		113	187	187	187	187
Fuel Consumption lt / h	100% of Prime Power	12.3	15.3	16.1	19.5	23
	75% of Prime Power	9.4	11.5	12.4	14.3	17.1
	50% of Prime Power	6.6	8	6.6	9.9	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)	1000x2300x1700	1050x2700x1830	1050x2700x1830	1050x2700x1830	1050x2700x1830
Canopy Weight	kg	1010	1100	1100	1130	1325
Open Dimensions	mm (WxDxH)	1000x1750x1450	1050x2090x1650	1050x2090x1650	1050x2090x1650	1050x2090x1650
Open Weight	kg	800	1150	1160	1200	1250

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POWER FORLIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

LISTER PETTER

MJL SERIES 125-206 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJL0125	MJL0138	MJL0150	MJL0165	MJL0206
Stand By Power	kVA	125	138	150	165	206
	kW	100	110	120	132	165
Prime Power	kVA	113	125	138	150	188
	kW	90	100	110	120	150

DIESEL ENGINE

BRAND		LISTER PETTER				
Model		LP443G5	LP443G6	LP665G1	LP665G2	LP665G3
Engine Power - Stand By	kW	116	132	141	155	185
Engine Power - Prime	kW	105	120	128	140	168
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)		4.3	4.3	6.5	6.5	6.5
Bore x Stroke (mm)		105x124	105x124	105x124	105x124	105x124
Compression Rate		16.0:1	16.0:1	16.0:1	16.0:1	16.0:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic
Induction		Turbo-AirtoAirIntercooler	Turbo-AirtoAirIntercooler	Turbo-AirtoAirIntercooler	Turbo-AirtoAirIntercooler	Turbo-AirtoAirIntercooler
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	17.5	17.5	17.5
Coolant Capacity (lt)		31	31	42	42	42
Fuel Tank Capacity (lt)		300	300	300	300	300
Fuel Consumption lt / h	100% of Prime Power	25	28.3	30.5	33.1	39.7
	75% of Prime Power	16.7	21.3	23	25.2	29.5
	50% of Prime Power	12.8	14.4	16.2	17.6	20.5

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)	1050x3000x2130	1050x3000x2130	1050x3000x2130	1050x3000x2130	1050x3000x2130
Canopy Weight	kg	1650	1900	1980	2050	2400
Open Dimensions	mm (WxDxH)	1050x2400x1750	1050x2400x1750	1050x2400x1750	1050x2400x1750	1050x2400x1750
Open Weight	kg	1550	1650	1730	1800	2150

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POWER FORLIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

LISTER PETTER

MJL SERIES 227-358 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJL0227	MJL0248	MJL0275	MJL0308	MJL0358
Stand By Power	kVA	227	248	275	308	358
	kW	182	198	220	246	286
Prime Power	kVA	206	225	250	280	325
	kW	165	180	200	224	260

DIESEL ENGINE

BRAND		LISTER PETTER				
Model		LP689G1	LP689G2	LP689G3	LP612G1	LP612G2
Engine Power - Stand By	kW	204	228	253	280	308
Engine Power - Prime	kW	185	208	230	255	280
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)		8.9	8.9	8.9	11.8	11.8
Bore x Stroke (mm)		114x114	114x114	114x114	128x153	128x153
Compression Rate		18.0:1	18.0:1	16.5:1	17.0:1	17.0:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic
Induction		Turbo-AirtoAirIntercooler	Turbo-AirtoAirIntercooler	Turbo-AirtoAirIntercooler	Turbo-AirtoAirIntercooler	Turbo-AirtoAirIntercooler
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)		19	19	25	41	41
Coolant Capacity (lt)		48	48	48	56	56
Fuel Tank Capacity (lt)		415	415	415	415	598
Fuel Consumption lt / h	100% of Prime Power	44.1	49.6	55.1	58.8	66.9
	75% of Prime Power	32.8	36.8	40.7	47.5	49
	50% of Prime Power	22.8	25.7	27.7	30.3	33.8

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)	1200x3420x2260	1200x3420x2260	1200x3420x2260	1200x3420x2260	1600x3700x2200
Canopy Weight	kg	2450	2550	2700	3150	3250
Open Dimensions	mm (WxDxH)	1200x2800x1780	1200x2800x1780	1200x2800x1780	1200x2800x1780	1600x3200x2000
Open Weight	kg	2050	2150	2300	2750	2750

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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

LISTER PETTER

MJL SERIES 385-550 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJL0385	MJL0413	MJL0440	MJL0495	MJL0550
Stand By Power	kVA	385	413	440	495	550
	kW	308	330	352	396	440
Prime Power	kVA	350	375	400	450	500
	kW	280	300	320	360	400

DIESEL ENGINE

BRAND		LISTER PETTER				
Model		LP612G3	LP613G1	LP613G2	LP613EG2	LP613EG3
Engine Power - Stand By	kW	338	373	405	441	490
Engine Power - Prime	kW	307	339	368	401	441
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)		11.8	12.8	12.8	12.8	12.8
Bore x Stroke (mm)		128x153	130x161	130x161	130x161	130x161
Compression Rate		17.0:1	17.0:1	17.0:1	17.0:1	17.0:1
Governor Type		Electronic	Electronic	Electronic	ECU	ECU
Induction		Turbo-AirtoAirIntercooler	Turbo-AirtoAirIntercooler	Turbo-AirtoAirIntercooler	Turbo-AirtoAirIntercooler	Turbo-AirtoAirIntercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	BoschCommonRail ECU	BoschCommonRail ECU
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		41	36	36	36	40
Coolant Capacity (lt)		56	56	56	56	56
Fuel Tank Capacity (lt)		598	598	598	598	702
Fuel Consumption lt / h	100% of Prime Power	72.9	88	84.8	99.1	109
	75% of Prime Power	54.1	64	64.1	72.3	81
	50% of Prime Power	37	42	42	48	55

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)	1600x3700x2200	1600x3700x2200	1600x3700x2200	1600x3700x2200	1750x3700x2120
Canopy Weight	kg	3350	3450	3540	3700	3750
Open Dimensions	mm (WxDxH)	1600x3200x2000	1600x3200x2000	1600x3200x2000	1600x3200x2000	1750x3504x2000
Open Weight	kg	2850	2950	3040	3200	3250

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POWER FORLIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

LISTER PETTER

MJL SERIES 633-908 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJL0633	MJL0700	MJL0770	MJL0825	MJL0908
Stand By Power	kVA	633	700	770	825	908
	kW	506	560	616	660	726
Prime Power	kVA	575	638	700	750	825
	kW	460	510	560	600	660

DIESEL ENGINE

BRAND		LISTER PETTER				
Model		LP625EG2	LP625EG3	LP625EG4	LP625EG5	LP625EG7
Engine Power - Stand By	kW	572	629	684	754	800
Engine Power - Prime	kW	520	572	622	685	728
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)		25.2	25.2	25.2	25.2	25.2
Bore x Stroke (mm)		170x185	170x185	170x185	170x185	170x185
Compression Rate		14.5:1	14.5:1	14.5:1	14.5:1	14.5:1
Governor Type		ECU	ECU	ECU	ECU	ECU
Induction		DoubleTurbo-AirtoAirIntercooler	DoubleTurbo-AirtoAirIntercooler	DoubleTurbo-AirtoAirIntercooler	DoubleTurbo-AirtoAirIntercooler	DoubleTurbo-AirtoAirIntercooler
Combustion System		LiebherrCommonRail ECU	LiebherrCommonRail ECU	LiebherrCommonRail ECU	LiebherrCommonRail ECU	LiebherrCommonRail ECU
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		75	75	75	75	75
Coolant Capacity (lt)		140	140	140	140	140
Fuel Tank Capacity (lt)		1003	1003	1003	1037	1037
Fuel Consumption lt / h	100% of Prime Power	124	136	148	163	169
	75% of Prime Power	94	103	113	124	124
	50% of Prime Power	68	70	77	84	84

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)	2100x4800x2330	2100x4800x2330	2100x4800x2330	2100x4800x2330	2130x4500x2600
Canopy Weight	kg	5200	5450	5500	5750	6300
Open Dimensions	mm (WxDxH)	2100x4000x2200	2100x4000x2200	2100x4000x2200	2100x4000x2200	2130x4500x2300
Open Weight	kg	4450	4700	4750	5000	5500

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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

RICARDO

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/ZH4105ZD	D4105IZLD/ZH4105IZLD
Engine Power - Stand By	kW	33	44	48	62	73
Engine Power - Prime	kW	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	4.4
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)		113	113	113	187	187
Fuel Consumption lt / h	100% of Prime Power	6.6	9.1	10.1	12.8	15.0
	75% of Prime Power	4.9	6.9	7.5	9.6	11.3
	50% of Prime Power	3.3	4.6	5.0	6.4	7.5

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)	1000x2300x1700	1000x2300x1700	1000x2300x1700	1050x2700x1830	1050x2700x1830
Canopy Weight	kg	900	1030	1010	1130	1160
Open Dimensions	mm (WxDxH)	1000x1750x1450	1000x1750x1450	1000x1750x1450	1050x2090x1650	1050x2090x1650
Open Weight	kg	700	780	820	860	890

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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

RICARDO

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	R6105ZD	R6105AZLD
Engine Power - Stand By	kW	83	92	92	92	121
Engine Power - Prime	kW	75	84	84	84	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)		4.4	4.4	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)		187	187	300	300	300
Fuel Consumption lt / h	100% of Prime Power	16.3	19.1	17.9	20.4	24.4
	75% of Prime Power	12.3	14.3	13.4	15.3	18.3
	50% of Prime Power	8.2	9.6	9.0	10.2	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)	1050x2700x1830	1050x2700x1830	1050x3000x2130	1050x3000x2130	1050x3000x2130
Canopy Weight	kg	1320	1325	1450	1450	1655
Open Dimensions	mm (WxDxH)	1050x2090x1650	1050x2090x1650	1050x2400x1750	1050x2400x1750	1050x2400x1750
Open Weight	kg	980	1050	1160	1300	1400

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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

RICARDO

MJR SERIES 165-200 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP				
MODEL		**MJR0165**	**MJR0175**	**MJR0200**
Stand By Power	kVA	165	175	200
	kW	132	140	160
Prime Power	kVA	150	159	181.9
	kW	120	126.4	145.5

DIESEL ENGINE				
BRAND			**RICARDO**	
Model		R6105IZLD	R6105IZLD	R6108IZLD
Engine Power - Stand By	kW	145	145	173
Engine Power - Prime	kW	132	132	158
Engine Speed (rpm)		1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		7.01	7.01	7.01
Bore x Stroke (mm)		105x135	105x135	110x135
Compression Rate		16:1	16:1	16:1
Governor Type		Mechanic/Electronic	Mechanic/Electronic	Mechanic/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)		16	16	23
Coolant Capacity (lt)		25	25	45
Fuel Tank Capacity (lt)		300	300	300
Fuel Consumption lt / h	100% of Prime Power	28.5	28.5	40.1
	75% of Prime Power	21.4	21.4	30.1
	50% of Prime Power	14.3	14.3	20.1

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)	1050x3000x2130	1050x3000x2130	1050x3000x2130
Canopy Weight	kg	1655	1675	1750
Open Dimensions	mm (WxDxH)	1050x2400x1750	1050x2400x1750	1050x2400x1750
Open Weight	kg	1360	1380	1415

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POWER FORLIFE

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VOLVO PENTA

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	kW	98	125	148	179
Engine Power - Prime	kW	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)	1050x3000x2130	1050x3000x2130	1050x3000x2130	1050x3000x2130
Canopy Weight	kg	1305	1565	1810	1955
Open Dimensions	mm (WxDxH)	1050x2400x1750	1050x2400x1750	1050x2400x1750	1050x2400x1750
Open Weight	kg	1100	1315	1560	1705

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VOLVO PENTA

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)	1050x3000x2130	1200x3420x2260	1200x3420x2260	1600x3700x2200
Canopy Weight	kg	1960	2710	3575	3575
Open Dimensions	mm (WxDxH)	1050x2400x1750	1200x2800x1780	1200x2800x1780	1600x3200x2000
Open Weight	kg	1710	2675	3035	3035

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VOLVO PENTA

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)	1600x3700x2200	1600x3700x2200	1600x3700x2200	1600x3700x2200
Canopy Weight	kg	1960	2710	3575	3575
Open Dimensions	mm (WxDxH)	1600x3200x2000	1600x3200x2000	1600x3200x2000	1600x3200x2000
Open Weight	kg	3035	3080	3715	3260

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VOLVO PENTA

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)	1750x3700x2120	2100x4800x2300	2100x4800x2300	2100x4800x2300
Canopy Weight	kg	3960	4165	4640	4690
Open Dimensions	mm (WxDxH)	1750x3504x2000	2100x4000x2200	2100x4000x2200	2100x4000x2200
Open Weight	kg	3420	3625	4100	4150

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YANGDONG

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	kW	16	19	26.4	30	41.8
Engine Power - Prime	kW	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)		79	79	79	79	113
Fuel Consumption lt / h	100% of Prime Power	4.2	5.2	6.4	6.8	8.8
	75% of Prime Power	3.1	3.9	4.8	5.1	6.6
	50% of Prime Power	2.1	2.6	3.2	3.4	4.4

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)	900x2000x1410	900x2000x1410	900x2000x1410	900x2000x1410	1000x2300x1700
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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POWER FOR LIFE

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YANGDONG

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)		113	187	187	187
Fuel Consumption lt / h	100% of Prime Power	10.8	12.1	12.3	23.2
	75% of Prime Power	8.1	9.1	9.2	17.4
	50% of Prime Power	5.4	6.1	6.2	11.6

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)	1000x2300x1700	1050x2700x1830	1050x2700x1830	1050x2700x1830
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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POWER FOR LIFE

Aytemiz MAKELSAN
Uninterruptible Power Supplies/Generator

SHANGHAI QN

MJW SERIES 220-400 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJW0220	MJW0275	MJW0330	MJW0400
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

BRAND		SHANGHAI QN			
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

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	1600x3700x2200
Canopy Weight	kg	2500	2600	2850	3350
Open Dimensions	mm (WxDxH)	1200x2800x1780	1200x2800x1780	1200x2800x1780	1600x3200x2000
Open Weight	kg	2200	2300	2550	2000

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SHANGHAI QN

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	510	560
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)	1600x3700x2200	1600x3700x2200	2100x4800x2330	2100x4800x2330
Canopy Weight	kg	3460	3700	5700	5300
Open Dimensions	mm (WxDxH)	1600x3200x2000	1600x3200x2000	2100x4000x2200	2100x4000x2200
Open Weight	kg	3050	3250	4900	4500

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SHANGHAI QN

MJW SERIES 715-1125 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		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

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

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)	2100x4800x2330	2100x4800x2330	2130x4500x2600	2130x5000x2650
Canopy Weight	kg	5100	5400	7500	7500
Open Dimensions	mm (WxDxH)	2100x4000x2200	2100x4000x2200	2130x4000x2300	2130x4000x2300
Open Weight	kg	4250	4560	6000	6000

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KOFO

MJK SERIES 35-82 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJK0035	MJK0050	MJK0070	MJK0082
Stand By Power	kVA	35	50	70	82
	kW	28	40	56	65,6
Prime Power	kVA	32	45	64	75
	kW	25	36	51	60

DIESEL ENGINE

BRAND		KOFO			
Model		MN4100DS-30	MN4105DS-38	MN4100ZDS	MN4105ZDS
Engine Power - Stand By	kW	33	44	58	68
Engine Power - Prime	kW	30	42	56	66
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		4 - In Line	4 - In Line	4 - In Line	4 - In Line
Displacement (lt)		3.61	3,61	4,5	4.15
Bore x Stroke (mm)		100x115	100x115	105x120	105x120
Compression Rate		17:1	17:1	17:1	17:1
Governor Type		Electronic/Mechanic	Electronic/Mechanic	Electronic/Mechanic	Electronic/Mechanic
Induction		Natural	TurboCharged	TurboCharged	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	13
Coolant Capacity (lt)		16	16	18	18
Fuel Tank Capacity (lt)		113	113	187	187
Fuel Consumption lt / h	100% of Prime Power	6,0	8,4	11,5	13,4
	75% of Prime Power	4,5	6,3	8,6	10,1
	50% of Prime Power	3,0	4,2	5,7	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)	1000x2300x1700	1000x2300x1700	1050x2700x1830	1050x2700x1830
Canopy Weight	kg	900	1030	1130	1160
Open Dimensions	mm (WxDxH)	1000x1750x1450	1000x1750x1450	1050x2090x1650	1050x2090x1650
Open Weight	kg	700	780	860	890

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KOFO

MJK SERIES 110-200 kVA

TECHNICAL SPECIFICATIONS



GENERATOR GROUP

MODEL		MJK0110	MJK0125	MJK0150	MJK0200
Stand By Power	kVA	110	125	150	200
	kW	88	100	120	160
Prime Power	kVA	100	114	136	182
	kW	80	91	109	145

DIESEL ENGINE

BRAND		KOFO			
Model		4RT55-88D	4RT55-110D	6RT80-132D	6RT80-176DE
Engine Power - Stand By	kW	88	121	132	184
Engine Power - Prime	kW	84	110	121	176
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		4 - In Line	4 - In Line	6 - In Line	6 - In Line
Displacement (lt)		5.32	5.32	7.98	7.98
Bore x Stroke (mm)		110x140	110x140	110x140	110x140
Compression Rate		17:1	17:1	17:1	17:1
Governor Type		Electronic/Mechanic	Electronic/Mechanic	Electronic/Mechanic	Electronic
Induction		TurboCharged	TurboCharged-Intercooler	TurboCharged	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)		17	17	18	18
Coolant Capacity (lt)		23	27	33	46
Fuel Tank Capacity (lt)		187	300	300	300
Fuel Consumption lt / h	100% of Prime Power	18,0	20,5	24,5	32,7
	75% of Prime Power	13,5	15,3	18,4	24,5
	50% of Prime Power	9,0	10,2	12,3	16,5

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)	1050x2700x1830	1050x3000x2130	1050x3000x2130	1050x3000x2130
Canopy Weight	kg	1450	1400	1655	1700
Open Dimensions	mm (WxDxH)	1050x2090x1650	1050x2400x1750	1050x2400x1750	1050x2400x1750
Open Weight	kg	1050	1270	1400	1400

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