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MASTERPOWER

Purchased Electric

Power By

Masterpower Generator


Bursa-Gemlik
Free Zone Factory
MASTERPOWER®

About Us

As MASTERPOWER GENERATOR mainly engaged in manufacturing and product development activities, located in Bursa-Gemlik free zone, we fulfill the requirements of becoming a world-wide brand while providing services to our global customers about their generator requirements.

We export more than 70 countries with a product range of diesel, gasoline and gas generators manufactured in our factory of 22.000 m² and production capacity of 3.500 units annually.

Masterpower generators are manufactured with first quality of materials and supported with specially designed galvanized metal canopies to provide sound proof quality by means of our large and expertise staff.

Our vision is to work at the standards of global business development by producing products and technologies that are useful to energy sector and create an asset in country and world economy in line with clean environment target.

The most important know-how that MasterPower generator have is diesel and gas engine technology and rational engineering knowledge for the application to all kind of power demanding areas. With Masterpower brand we also rank in global markets such as Europe, Asia, Africa and America besides the local market

- Diesel, Marine, Gasoline and Gas Engine Generator and Co-Generation-Trigen Groups Production
- **Generator Sales, After-sales and Rental Services**
- Industrial Diesel Engine Sale
- **Synchronized Control Panel, Scada Tracking Systems Production**
- ATS and Panel Production and Applications
- **Generator Automation, installation and start-up services**

As MasterPower Jenerator we expand our growth in export markets as well as in the domestic market with our products and services

Fields Of Operation

Industry

Telecom

Health

Tourism

Petrol

Education

Food

Construction

Home

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Contents

MPP Perkins Series
10-330 kVA

Perkins®

Engine

- Perkins Heavy Duty Diesel Engine
- 4 Stroke, Water Cooled
- Dry – Type, Changeable Air Filter
- 12/24V Electrical System
- 1500 R.P.M.
- Tropical Type Radiator

Alternator

- 400/230V 50Hz
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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Technical Specifications		MPP10	MPP15	MPP22	MPP33	MPP50	MPP66	MPP72	MPP88	MPP110	MPP150	MPP165	MPP200	MPP225N	MPP250	MPP275	MPP300	MPP330
Stand By Power	(kVA/kW)	10/8	15/12	22/18	33/26	50/40	66/52,8	72/57,6	88/70	110/89,6	150/120	165/132	200/160	225/176	250/200	275/200	300/240	300/264
Prime Power	(kVA/kW)	9/7	13/10,4	20/16	30/24	45/36	60/68	66/52,8	80/64	101,4/81,4	135/108	150/120	180/144	200/160	220/184	250/200	275/220	300/240
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Stand By Current	(cos Phi=0,8) A	14	22	32	47	72	95	103	127	159	217	238	289	325	361	397	433	477
Prime Current	(cos Phi=0,8) A	13	19	29	43	65	87	94	115	144	195	217	260	289	329	361	397	433
Dimension Without Canopy	(WxLxH) mm	600x1420x1200		950x1850x1400	950x2070x1600	1000x2500x1700	1000x2200x1850		1100x2550x1700		1100x2600x1850		1200x3300x2100		1300x3100x2010		1400x3100x2010	
Dimension With Canopy	(WxLxH) mm	950x1900x1500		950x2000x1450	950x2100x1600	1000x2400x1800			1100x2700x1900		1100x3100x1850		1200x3250x2100		1300x3700x2350		1400x3900x2350	
Weight Without Canopy	(kg)	342	342	590	685	810	930	1020	980	1150	1515	1575	1910	2000	2040	2260	3100	3100
Weight With Canopy	(kg)	620	620	740	950	1050	1160	1250	1300	1270	1790	1850	2250	2320	2400	2620	3650	3650
DIESEL ENGINE																		
Brand		Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins
Model		403A-11G1	403A-15G1	404A-22G1	1103A-33G	1103A-33TG1	1103A-33TG2	1104A-44TG1	1104A-44TG2	1104C-44TAG2	1106A-70TG1	1106A-70TAG2	1106A-70TAG3	1106A-70TAG4	1506A-E88TAG2	1506-E88TAG3	1506A-E88TAG4	1506A-E88TAG5
Engine Stand By Power	(kWm/hp)	9,2/12,4	13,5/18	20,3/27,2	30,0/40,0	46,5/62,4	60,5/81,1	65,5/88	80,7/108,2	103/138	135,8/182	153,6/206	175,8/241,1	199/267	222/298	244/327	267/358	293/393
Revolution Per Munite	(r.p.m.)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Total Displacement	(L)	1,1	1,496	2,216	3,3	3,3	3,3	4,4	4,4	4,41	7	7,01	7,01	7,1	8,8	8,8	8,8	8,8
Cylinders Orientation		3 Single Line	3 Single Line	4 Single Line	3 Single Line	3 Single Line	3 Single Line	4 Single Line	4 Single Line	4 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line
Bore x Stroke	(mm x mm)	77x81	84x90	84x100	105x127	105x127	105x127	105x127	105x127	105x127	105x135	105x135	105x135	105x135	112x149	112x149	112x149	112x149
Compression Ratio		23:01	22,5:1	23,3:1	19,25:1	17,25:1	17,25:1	17,25:1	17,25:1	18,2:1	18,2:1	16:01	16:01	16,1:1	16,1:1	16,1:1	16,1:1	16,1:1
Governor Type		Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Aspration System		Natural	Natural	Natural	Natural	Turbo Charge	Turbo Charge	Turbo Charge	Turbo Charge	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC
Injection		Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Electrik System	(VDC)	12	12	12	12	12	12	12	12	12	12	12	12	24	24	24	24	24
Lub-Oil Capacity	(L)	4,9	6	10,6	7,9	7,9	7,9	8	8	8	18	16,5	16,5	41	41	41	41	41
Engine Coolant Capacity	(L)	5,2	6	7	10,2	10,2	10,2	13	13	12,6	21	21	21	44	33	33	44	44
Fuel Tank Capacity	(L)	66	66	83	71	176	176	176	190	190	247	247	367	367	483	483	483	609
Max.Allowed Back Pressure	(kPa)	4	4	6	8	10	10	10	10	18	18	20	21	21	21	21	21	21
Exhaust Gas Temperature (max)	(°C)	400	450	450	500	492	557	515	555	514	520	525	544	555	555	570	565	565
Exhaust Gas Flow (max)	(m1/min)	5	5	5,1	5,7	7	10,1	10,5	12,5	15,2	16	16	18,3	19	19	20	35	45
Cooling Fan Air Flow	(m1/min)	47	50	50	53	53	89	89	89	165	185	185	220	223	223	250	275	275
Fuel Consumption %100	(L/h)	3	3,7	5,3	7,1	10,7	13,9	14,8	18,7	22,6	30,2	33,4	39,8	45,2	53	56	60	65
Fuel Consumption %75	(L/h)	2,3	2,8	4	5,4	8,2	10,4	11,2	14	17,1	22,7	24,7	30,7	35	40	42	46	48
Fuel Consumption %50	(L/h)	1,7	2	2,9	3,9	5,7	7,2	8	9,7	11,2	15,9	16,4	19,6	24	26	29	32	33
ALTERNATOR																		
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%
Insulation		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	86,2	86,6	87,4	88,1	89,1	90,2	90,7	90,5	90,5	93,2	93,2	92,4	92,7	93	93,4	93,7	93,7
Overloading		110 % For 1 Hour																
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
Number of Pole		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single

MPP Perkins Series
400-2500 kVA

Perkins®

Engine

- Perkins Heavy Duty Diesel Engine
- 4 Stroke, Water Cooled
- Dry – Type, Changeable Air Filter
- 24V Electrical System
- 1500 R.P.M.
- Tropical Type Radiator

Alternator

- 400/230V 50Hz
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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MPP Perkins Series
400-2500 kVA

Perkins®

Technical Specifications

MASTERPOWER®

Technical Specifications		MPP400	MPP450	MPP500	MPP550	MPP660	MPP725	MPP825	MPP880	MPP1000	MPP1100	MPP1250	MPP1400	MPP1500	MPP1650	MPP1900	MPP2050	MPP2250	MPP2500
Stand By Power	(kVA/kW)	400/320	450/360	500/400	550/400	660/525	725/580	825/600	900/720	1000/800	1125/900	1250/1000	1400/1108	1500/1200	1650/1320	1900/1520	2050/1640	2250/1640	2500/2000
Prime Power	(kVA/kW)	350/280	400/320	455/364	500/400	600/480	650/520	750/600	820/656	900/720	1022/818	1136/910	1250/1000	1360/1088	1500/1200	1727/1381	1863/1490	2045/1636	2272/1818
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Stand By Current	(cos Phi=0,8)A	556	650	722	795	954	1048	1192	1296	1445	1625	1800	2000	2168	2340	2746	2971	3260	3623
Prime Current	(cos Phi=0,8)A	505	578	650	722	867	939	1084	1180	1300	1476	1635	1806	1965	2173	2502	2700	2963	3292
Dimension Without Canopy	(WxLxH) mm	1450x3550x2550		1600x3700x2200				2100x4000x2400		2100x5200x2550		2300x5200x2700		2300x5200x2700			2400x6000x2700		
Dimension With Canopy	(WxLxH) mm	1450x4400x2650		1600x5000x2700				2100x6000x2700		2300x6000x2800		2300x6000x2800		2300x9000x3000			2400x12000x3500		
Weight Without Canopy	(kg)	3220	3570	4025	4225	4480	5220	6360	6700	7270	9020	10250	10500	11000	11500	12000	12500	13750	13750
Weight With Canopy	(kg)	3850	4200	4800	5000	4310	6050	7050	7850	9000	10750	12060	12260	12260	13000	14500	15500	16400	16500
DIESEL ENGINE																			
Brand		Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins
Model		2206A-E13TAG2	2206A-E13TAG3	2506A-E15TAG1	2506A-E15TAG2	2806A-E18TAG1	2806A-E18TAG2	4006-23TAG2A	4006-23TAG3A	4008TAG1A	4008TAG2A	4008-30TAG3	4012-46TWG2A	4012-46TWG3A	4012-46TAG2A	4012-46TAG3A	4016-61TRG1	4016TAG2A	4016-61TRG3
Engine Stand By Power	(kWm/hp)	368/493	413/554	451/605	495/644	593/785	609/817	695/932	760/1019	844/1132	947/1270	1055/1408	1166/1563	1263/1694	1395/1870	1583/2123	1690/2264	1715/2300	2083/2791
Revolution Per Munite	(r.p.m.)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Total Displacement	(L)	12,5	12,5	15,2	15,2	18,1	18,1	22,921	22,921	30,561	30,561	30,5	45,842	45,842	45,842	45,842	61,123	61,123	61,123
Cylinders Orientation		6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	8 Single Line	8 Single Line	8 Single Line	12 V Type	12 V Type	12 V Type	12 V Type	16 V Type	16 V Type	16 V Type
Bore x Stroke	(mm x mm)	130x157	130x157	137x171	137x171	145x183	145x183	160x190	160x190	160x190	160x190	160x190	160x190	160x190	160x190	160x190	160x190	160x190	160x190
Compression Ratio		16,3:1	16,3:1	16:01	16:01	14,5:1	14,5:1	13,6:1	13,6:1	13,6:1	13,6:1	13,1:1	13,6:1	13,6:1	13,6:1	13,6:1	13,6:1	13,6:1	13,6:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Aspration System		Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC	Turbo AAC
Injection		Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
Cooling System		Water Cooled																	
Electrik System	(VDC)	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
Lub-Oil Capacity	(L)	40	40	62	62	62	62	113	113,4	153	153	153	177	177	177	177	237,2	237,2	237,2
Engine Coolant Capacity	(L)	51,4	51,4	58	58	61	61	105	105	143	143	143	201	196	207	207	316	315	260
Fuel Tank Capacity	(L)	678	678	760	760	1016	1016	877	877	1440	1440	1440	1440	2000	2000	2000	2000	2000	2000
Max.Allowed Back Pressure	(kPa)	22	22	23	24	24	24	25	25	27	27	27	29	30	32	32	34	34	32
Exhaust Gas Temperature (max)	(°C)	570	582	570	550	568	568	430	430	445	451	451	459	459	460	455	460	470	775
Exhaust Gas Flow (max)	(m1/min)	45	65	70	78	96	96	180	180	190	196	196	201	215	215	226	253	253	260
Cooling Fan Air Flow	(m1/min)	377	450	605	650	702	702	1200	1200	1305	1350	1350	1600	1770	1956	2004	2394	2394	2440
Fuel Consumption %100	(L/h)	71	81	95	100	123	99	155	194	240	218	244	207	283	249	310	308	213	371
Fuel Consumption %75	(L/h)	54	62	72	76	90	97	117	130	162	143	188	196	213	234	275	198	211	344
Fuel Consumption %50	(L/h)	37	42	50	53	61	66	80	90	111	98	120	143	151	157	187	104	216	234
ALTERNATOR																			
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%
Insulation		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	93,5	94	94,4	94,4	95	95,1	94,7	94,7	95,4	95,4	95,4	94,6	95,9	95,9	96	96	96	95,4
Overloading		110 % For 1 Hour																	
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
Number of Pole		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single

MC Cummins Series
44-400 kVA

Engine

- Cummins Heavy Duty Diesel Engine
- 4 Stroke, Water Cooled
- Dry – Type, Changeable Air Filter
- 12-24V Electrical System
- 1500 R.P.M.
- Tropical Type Radiator

Alternator

- 400/230V 50Hz
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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MC Cummins Series
44-400 kVA

Technical Specifications

Technical Specifications		MC44	MC55	MC70	MC110	MC150	MC170	MC200	MC220	MC250	MC300	MC330	MC350	MC400
Stand By Power	(kVA/kW)	44/35,2	55/44	70/56	110/88	150/120	170/135	200/160	220/176	250/200	300/240	330/264	350/280	400/320
Prime Power	(kVA/kW)	40/32	50/40	63/50,4	100/80	135/108	155/124	180/144	200/160	225/180	270/216	300/240	315/252	360/288
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Stand By Current	(cos Phi=0,8) A	61,16	71,9	95,9	174	238	270	315	346	395	462	508	539	615
Prime Current	(cos Phi=0,8) A	55,6	65,3	86,3	158	214	246	285	313	355	416	457	485	554
Dimension Without Canopy	(WxLxH) mm	1680x780x1380	1780X950X1200	1680x780x1380	2170x1050x1560	2750x1300x1750	2750x1300x1750	2336x1100x1652	2336x1100x1652	2900X1150X1800	2950x1150x1650	2950x1150x1650	2900x1300x1870	3230x1150x2000
Dimension With Canopy	(WxLxH) mm	2300x1000x1400	2470X1010X1460	2300x1000x1400	3100x1110x1740	3960x1360x2100	3960x1360x2100	3265x1163x1858	3265x1163x1858	4000X1210X2000	3960x1360x2100	3960x1360x2100	3960x1360x2100	4560x1470x2300
Weight Without Canopy	(kg)	1070	870	1070	1300	1380	1535	1780	1780	1970	3100	3100	2630	3250
Weight With Canopy	(kg)	1150	1140	1150	1600	2240	2270	2280	2280	2750	3500	3500	3450	4500
DIESEL ENGINE														
Brand		Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins
Model		4BT 3.9-G2	S 3.8-G6	4BTA 3.9-G	6BTA 5.9-G5	6BTAA 5.9-G	6BTAA 5.9-G7	6CTA 8.3G2	6BTAA5.9-G2	6CTAA 8,3-G2	NT 855-GA	QSL9-G5	NTA 855G1B	NTA 855G4
Engine Stand By Power	(kWm/hp)	40/54	53,6/71,9	64,9/87	92/123	132/177	160/216	180/241	180/241	231/310	277/374	277/374	310/415	351/470
Revolution Per Munite	(r.p.m.)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Total Displacement	(L)	3,9	3,8	3,9	5,9	5,9	5,9	8,3	8,3	8,3	14	14	14	14
Cylinders Orientation		4	4	4	6	6	6	6	6	6	6	6	6	6
Bore x Stroke	(mm x mm)	102x120	97X128	102x120	102x120	102x120	102x120	114x135	114x135	114x135	140x152	140x152	140x152	140x152
Compression Ratio		16,5 : 1	17.5:1	16,5:1	17.6:1	16,5:1	16.5:1	17.3:1	17.3:1	16,7:1	15:01	15:01	14:01	14:01
Governor Type		Mechanic / Electronic												
Aspration System		Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged
Injection		Direct												
Cooling System		Water Cooled												
Electrik System	(VDC)	12	12	12	12	12	12	24	24	24	24	24	24	24
Lub-Oil Capacity	(L)	11	11	11	16,4	16,4	16,4	27,6	27,6	27,6	28,6	28,6	38	38
Engine Coolant Capacity	(L)	15	15	15	28	28	28	40	40	40	63	63	70	70
Fuel Tank Capacity	(L)	100	160	160	240	370	370	400	400	420	470	470	470	470
Max.Allowed Back Pressure	(kPa)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fuel Consumption %100	(L/h)	12,8	12,8	12,8	25	35	37	42	42	51,8	62	62	63	76
Fuel Consumption %75	(L/h)	9,5	9,5	9,5	18	27	29	31	31	38	46	46	46	57
Fuel Consumption %50	(L/h)	6,5	6,5	6,5	12	18	19	21	21	25	31	31	31	39
ALTERNATOR														
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50	50	50	50	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%
Insulation		H	H	H	H	H	H	H	H	H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	93	93	93	93	93	93	93	93	93	93,5	93,5	93,5	93,5
Overloading		110 % For 1 Hour												
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
Number of Pole		4	4	4	4	4	4	4	4	4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single

MC Cummins Series
450-2500 kVA

Engine

- Cummins Heavy Duty Diesel Engine
- 4 Stroke, Water Cooled
- Dry – Type, Changeable Air Filter
- 24V Electrical System
- 1500 R.P.M.
- Tropical Type Radiator

Alternator

- 400/230V 50Hz
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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MC Cummins Series
450-2500 kVA

Technical Specifications

Technical Specifications		MC450	MC500	MC550	MC700	MC825	MC880	MC1000	MC1100Q	MC1410	MC1675	MC2250	MC2500
Stand By Power	(kVA/kW)	450/360	500/450	550/440	700/560	825/660	880/704	1000/800	1.100/880	1.410/1.128	1675/1340	2250/1800	2500/2000
Prime Power	(kVA/kW)	405/324	455/364	500/400	630/504	750/600	800/640	920/736	1000/800	1280/1024	1500/1200	2045/1636	2000/1600
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Stand By Current	(cos Phi=0,8) A	693	770	846	1060	1309	1397	1459,7	1587,3	2031,7	2381,5	3571	3968
Prime Current	(cos Phi=0,8) A	623	700	770	962	1190	1270	1327	1443	1847	2165	3247	3608
Dimension Without Canopy	(WxLxH) mm	3330x1300x1950	3380x1550x2100	3380x1550x2100	3800x1550x2270	3950x1550x2270	4120x1710x2230	4500x1770x2350		4950x2120x2420	5500x2140x2600	5810x2280x2970	6000x2494x3320
Dimension With Canopy	(WxLxH) mm	4570x1420x2200	4810x1610x2620	4810x1610x2620	5300x1610x2660	5300x1610x2660	6500x2200x2350	7500x2360x2500		9130x2300x2470	9130x2440x2591	9000x2800x3300	9000x2800x3300
Weight Without Canopy	(kg)	3750	3815	3850	5470	5900	5950	7600		10100	11500	15500	17200
Weight With Canopy	(kg)	4750	4815	4860	7030	7460	9100	11800		15300	16500	21100	N/A
DIESEL ENGINE													
Brand		Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins
Model		NTAA 855-G7A	QSX15-G6	QSX15-G8	VTA28-G5	VTA28-G6	QSK23-G3	KTA38-G2A	QST 30 G4	KTA 50-G3	KTA 50 GS8	QSK 60-G4	QSK60-G134gTAL
Engine Stand By Power	(kWm/hp)	407/550	459/615	500/670	621/820	722/968	768/1030	873/1170	970/1300	1.227/1645	1.429/1915	1915/2567	2164/2901
Revolution Per Munite	(r.p.m.)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Total Displacement	(L)	14	15	18,9	18,9	28	23,15	38	30,48	50,3	50,3	60,2	60,2
Cylinders Orientation		6	6	6	6	6	6	12	12	16	16	16	16
Bore x Stroke	(mm x mm)	140x152	137x169	159x159	159x159	140x152	170x170	159x159	140x165	159x159	159x159	159x190	159x190
Compression Ratio		14:01	17,0:1	13.9:1	13.0:1	13.1:1	16.0:1	14,5:1	14,0:1	13,9:1	14,9:1	14.5:1	14.5:1
Governor Type		Mechanic / Electronic											
Aspration System		Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged
Injection		Direct											
Cooling System		Water Cooled											
Electrik System	(VDC)	24	24	24	24	24	24	24	24	24	24	24	24
Lub-Oil Capacity	(L)	38	91	91	83	83	103	114	154	177	204	280	280
Engine Coolant Capacity	(L)	70	66	66	75	75	160	280	342	410	643	500	500
Fuel Tank Capacity	(L)	550	850	850	1000	1000	1100	1250	1500	1500	1500	2200	2200
Max.Allowed Back Pressure	(kPa)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fuel Consumption %100	(L/h)	88,5	95,9	107	127,8	180	161	191	202	261	309	394	399
Fuel Consumption %75	(L/h)	70,5	74	82	95	133	121	114	151	199	238	291	302
Fuel Consumption %50	(L/h)	50,6	51	57	64	91	85	76	102	139	167	200	210
ALTERNATOR													
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50	50	50	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%
Insulation		H	H	H	H	H	H	H	H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	93,5	93,8	93,8	93,8	93,8	93,8	93,8	93,8	93,8	93,8	93,8	93,8
Overloading		110 % For 1 Hour											
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
Number of Pole		4	4	4	4	4	4	4	4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single

MPY-MPR MP Diesel Series
15-400 kVA

MP Diesel

Engine

- MP Diesel Heavy Duty Diesel Engine
- 4 Stroke, Water Cooled
- Dry – Type, Changeable Air Filter
- 12/24V Electrical System
- 1500 R.P.M.
- Tropical Type Radiator

Alternator

- 400/230V 50Hz
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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Technical Specifications		MPY15	MPY22	MPR33	MPR40	MPR55	MPR70	MPR77	MPR90	MPR110	MPR125	MPR150	MPR175	MPR225	MPR250	MPR300	MPR350	MPR400
Stand By Power	(kVA/kW)	15/12	22/18	33/26,4	40/32	55/44	70/56	77/61,6	90/72	110/88	125/100	150/120	175/140	225/180	250/225	300/240	350/280	400/320
Prime Power	(kVA/kW)	13/10,4	20/16	30/24	36/28,8	50/40	63/50,4	70/56	81/64,8	100/80	115/92	135/108	158/126	200/160	225/200	270/216	315/252	360/288
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Stand By Current	(cos Phi=0,8) A	22	22	47,85	57,2	80,3	101,2	112,2	129,8	159,5	183,3	214,5	251,9	319	352	430,353	624,72	573,804
Prime Current	(cos Phi=0,8) A	19	20	43,5	52	73	92	102	118	145	166,64	195	229	290	320	391,23	456	521,64
Dimension Without Canopy	(WxLxH) mm	1400x650x1300		1700x700x1400		1800x700x1450	1900x700x1450		1900x1000x1500	2200x1000x1600		2200x1100x1700		2500x1100x1700	2700x1050x1700	3000x1350x1800		
Dimension With Canopy	(WxLxH) mm	2200x900x1500		2450x900x1600		2450x950x1600			2450x1000x1650	3000x1100x1800				3300x1100x1800	3300x1200x1800	3800x1350x2200		
Weight Without Canopy	(kg)	490	520	650	750	800	1000	1000	950	1170	1170	1200	1250	1700	1760	2680	2750	2750
Weight With Canopy	(kg)	750	770	850	950	1050	1260	1260	1250	1550	1550	1750	1800	2150	2100	3380	3450	3450
DIESEL ENGINE																		
Brand		MP Diesel	MP Diesel	MP Diesel	MP Diesel	MP Diesel	MP Diesel	MP Diesel	MP Diesel	MP Diesel	MP Diesel	MP Diesel	MP Diesel	MP Diesel	MP Diesel	MP Diesel	MP Diesel	MP Diesel
Model		YD385D	YD485D	K4100D	K4100D	K4100ZD	K4105ZD	R4105ZD	R4105ZLD	R4110ZLD	R6105ZLD	R6105AZLD	R6105IZLD	R6110ZLD	R6113AZLD	R6126-260D	R6126-260D	R618ZLD
Engine Stand By Power	(kWm/hp)	13/17,8	16/21,9	33/36	33/36	45,3/49	61,6/83	61,6/83	72,5/110	92,4/124	110/150,7	121/162	145/194	192,5/263,72		258,5/354,14	294/402,8	330/452,1
Revolution Per Munite	(r.p.m.)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Total Displacement	(L)	1,532	1,809	3,61	3,61	3,61	4,33	4,33	4,67	4,67	6,49	6,75	7,1	7,52	9,02	9,7	9,7	11
Cylinders Orientation		3 Single Line	4 Single Line								4 Single Line							
Bore x Stroke	(mm x mm)	85x90	80x90	100x115	100x115	100x115	105x125	105x125	105x130	105X130	105X125	105x130	105x130	113x130	113x130	126x130	126x130	126x155
Compression Ratio		18	18	19:01	19:01	19:01	16:01	16:01	17:00	17:00	16:01	16:01	16:01	16:02	16:01	16:01	16:01	16:01
Governor Type		Mechanic																
Aspration System		Natural				Turbo Charged												
Injection		Direct																
Cooling System		Water Cooled																
Electrik System	(VDC)	12	12	12	12	12	12	12/24	12/24	12/24	24	24	24	24	24	24	24	24
Lub-Oil Capacity	(L)	8	8	14	14	14	14	14	14	14	18	18	18	18	19	19	19	19
Engine Coolant Capacity	(L)	12	14	17	17	17	19	19	19	19	29	29	29	29	50	50	50	50
Fuel Tank Capacity	(L)	100	100	178	178	178	178	178	200	247	247	247	247	308	320	500	500	500
Max.Allowed Back Pressure	(kPa)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Exhaust Gas Temperature (max)	(°C)	N/A	N/A	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
Exhaust Gas Flow (max)	(m1/min)	N/A	N/A	6,5	6,5	2,34	14,5	11,5	11,5	14	27	27	29	38		45	45	45
Cooling Fan Air Flow	(m1/min)	N/A	N/A	N/A	N/A	125	N/A	N/A	N/A	N/A	210	210	210	N/A	N/A	N/A	N/A	N/A
Fuel Consumption %100	(L/h)	2,5	4,19	7,9	7,9	10,87	12,4	14,82	18	19	23,92	27,8	32,4	41	45	54	58,71	58,71
Fuel Consumption %75	(L/h)	2	3,35	5,93	5,93	8,15	7,44	11,11	10,8	11,4	14,35	16,68	19,44	24,6	27	32,4	35,23	35,23
Fuel Consumption %50	(L/h)	1,5	2,15	5,14	5,14	7,06	4,34	9,63	6,3	6,65	8,37	9,73	11,34	14,35	15,75	18,9	20,55	20,55
ALTERNATOR																		
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%
Insulation		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	87	87	87,4	88,1	89,1	90,2	90,7	90,5	90,5	93,2	93,2	92,4	92,7	93	93,4	93,7	93,7
Overloading		1 Saat için %110		1 Saat için %110														
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		< 3 %	< 3 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
Number of Pole		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single

MD Doosan Series
140-825 kVA

Engine

- Doosan Heavy Duty Diesel Engine
- 4 Stroke, Water Cooled
- Dry – Type, Changeable Air Filter
- 24V Electrical System
- 1500 R.P.M.
- Tropical Type Radiator

Alternator

- 400/230V 50Hz
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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MD Doosan Series
140-825 kVA

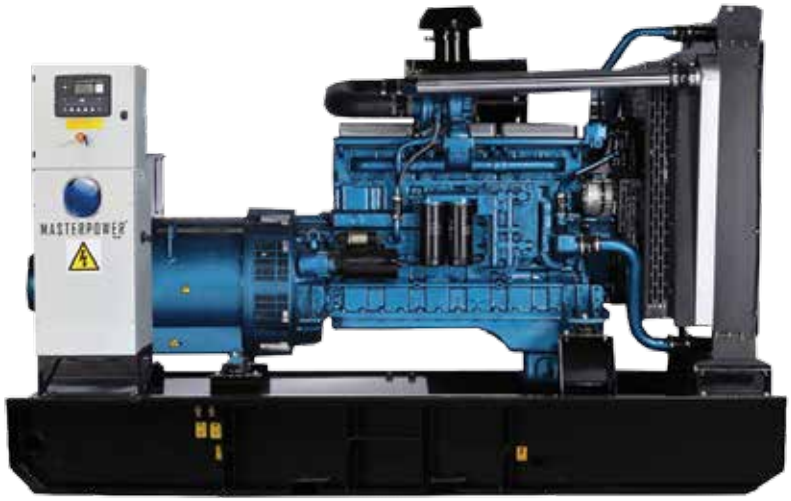
Technical Specifications

Technical Specifications		MD140	MD220	MD255	MD275	MD330	MD485	MD510	MD585	MD630	MD710	MD750	MD825
Stand By Power	(kVA/kW)	140/112	220/176	255/204	275/220	330/264	485/388	510/408	585/460	630/504	710/568	750/600	825/600
Prime Power	(kVA/kW)	128/102	200/160	231/185	250/200	300/240	440/352	465/370	531/418	572/459	640/512	681/545	750/600
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Stand By Current	(cos Phi=0,8) A	202	317	368	400	523,6	700	736	844	910	1017	1082	1190
Prime Current	(cos Phi=0,8) A	185	288	333	360	476	635	671	766	825	924	982	1082
Dimension Without Canopy	(WxLxH) mm	1000x2348x1430	1150x2688x1630			1320x3000x1600	1500x3000x2000			1600x3600x2100		1600x3700x2200	
Dimension With Canopy	(WxLxH) mm	1120x3000x1850	1220x3450x2000			1400x4000x2100	1600x4500x2500			1700x4900x2700		1700x4900x2700	
Weight Without Canopy	(kg)	1750	1810	1875	1875	2380	3150	3200	3200	4020	4020	4700	4750
Weight With Canopy	(kg)	2000	2200	2285	2285	3105	4200	4200	4200	5000	5000	6300	6350
DIESEL ENGINE													
Brand		Doosan	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan	Doosan
Model		D1146T	P086TI	DP086LA	P126TI	P126-TI-II	P158LE	DP158LC	DP158LD	DP180LA	DP180LB	DP222LB	DP222LC
Engine Stand By Power	(kWm/hp)	114/155	194/263	219/298	265/360	294/394	398/541	433/589	494/672	536/729	596/810	640/870	699/950
Revolution Per Munite	(r.p.m.)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Total Displacement	(L)	8,071	8,071	8,071	11,05	11,05	14,618	14,618	14,618	18,273	18,273	21,927	21,927
Cylinders Orientation		6 In-Line	6 In-Line	6 In-Line	6 In-Line	6 In-Line	8V Type	8V Type	8V Type	10V Type	10V Type	12V Type	12V Type
Bore x Stroke	(mm x mm)	111x139	111x139	111x139	123x155	123x155	128x142	128x142	128x142	128x142	128x142	128x142	128x142
Compression Ratio		16,8:1	16,8:1	16,4:1	17:01	17:01	15:01	15:01	15:01	15:01	15:01	14,6:1	14,6:1
Governor Type		Mechanical	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Aspration System		Turbo Cas	Turbo Cas	Turbo Cas	Turbo Cas	Turbo Cas	Turbo Cas	Turbo Cas	Turbo Cas	Turbo Cas	Turbo Cas	Turbo Cas	Turbo Cas
Injection		Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Electrik System	(VDC)	24	24	24	24	24	24	24	24	24	24	24	24
Lub-Oil Capacity	(L)	15,5	15,5	15,5	23	23	21	22	22	34	34	40	40
Engine Coolant Capacity	(L)	34	44	44	51	51	80	79	79	91	91	114	114
Fuel Tank Capacity	(L)	250	367	483	483	609	678	760	760	760	1016	1016	1050
Max.Allowed Back Pressure	(kPa)	5,9	5,9	5,9	5,9	5,9	5,9	5,9	5,9	5,9	5,9	5,9	5,9
Exhaust Gas Temperature (max)	(°C)	470	509	530	560	590	503	507	536	540	563	459	478
Exhaust Gas Flow (max)	(m1/min)	25,7	33,9	33,9	49,7	51,2	80,1	88	98	106	118	101	108
Cooling Fan Air Flow	(m1/min)	200	190	190	370	450	522	700	700	700	700	860	860
Fuel Consumption %100	(L/h)	25,9	43,1	48,7	58,1	63,1	89,3	99,6	115,1	123,6	136,4	147,1	161
Fuel Consumption %75	(L/h)	19,5	31,7	36,8	43,6	47	65,1	72,9	83,4	94,2	103,8	109,2	119,1
Fuel Consumption %50	(L/h)	13,6	21,1	24,6	30	31,3	43,9	48,9	55,1	64,8	71,2	73	79,3
ALTERNATOR													
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50	50	50	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%
Insulation		H	H	H	H	H	H	H	H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	93,3	93,3	93,5	94,1	94,6	94,6	94,6	94,6	94,8	94,8	93,6	93,6
Overloading		110 % For 1 Hour											
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
Number of Pote		4	4	4	4	4	4	4	4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single

MSD S.Dongfeng Series
220-825 kVA

Engine

- S.Dongfeng Heavy Duty Diesel Engine
- 4 Stroke, Water Cooled
- Dry – Type, Changeable Air Filter
- 24V Electrical System
- 1500 R.P.M.
- Tropical Type Radiator



Alternator

- 400/230V 50Hz
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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MSD S.Dongfeng Series
220-825 kVA

Technical Specifications

Technical Specifications		MSD 220	MSD 285	MSD 330	MSD 385	MSD 460	MSD 515	MSD 570	MSD 640	MSD 715	MSD 825
Stand By Power	(kVA/kW)	220/176	285/228	330/264	385/308	460/368	515/412	570/456	640/512	715/572	825/660
Prime Power	(kVA/kW)	200/160	260/208	300/240	346/276	420/336	470/376	520/416	585/468	650/520	750/600
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Stand By Current	(cos Phi=0,8) A	317	410	475	557	662	746	820	921	1030	1190
Prime Current	(cos Phi=0,8) A	288	374	432	500	596	680	750	842	936	1082
Dimension Without Canopy	(WxLxH) mm	1150x3340x1960	1150x3340x1960	1400x3450x2070	1600x3500x2250		1700 x 3750 x 2170				
Dimension With Canopy	(WxLxH) mm	1150x3820x2460	1400x3705x2645	1400x3705x2645	1600x4000x2875		1700 x 4200 x 2780				
Weight Without Canopy	(kg)	2705	2865	2710	2760	2995	3930	3970	4165	4305	4665
Weight With Canopy	(kg)	3000	3165	3115	3165	3460	4565	4600	4795	4935	5300
DIESEL ENGINE											
Brand		S.DONGFENG	S.DONGFENG	S.DONGFENG	S.DONGFENG	S.DONGFENG	S.DONGFENG	S.DONGFENG	S.DONGFENG	S.DONGFENG	S.DONGFENG
Model		SY129TD17	SY129TAD23	SYG128TAD26	SYG128TAD31	SYG142TAD38	SYG258TAD45	SYG258TAD51	SYG266TAD56	SYG266TAD63	SY283TAD72
Engine Stand By Power	(kWm/hp)	190/252	245/335	308/422	329/450	393/538	438/600	486/666	545/746	610/835	700/960
Revolution Per Munite	(r.p.m.)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Total Displacement	(L)	12,9	12,9	12,9	12,9	14,2	25,8	25,8	26,6	26,6	29,6
Cylinders Orientation		6 In-Line	6 In-Line	6 In-Line	6 In-Line	6 In-Line	12 V Line	12 V Tipi	12 V Tipi	12 V Tipi	12 V Tipi
Bore x Stroke	(mm x mm)	135x150	135x150	135x150	135x150	135x165	135x150	135x150	135x155	135x155	138x165
Compression Ratio		16:01	16:01	15,75:1	15,75:1	15,55:1	16:01	16:01	16:01	16:01	14,6:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Aspration System		Turbo Charged	Turbo Charged & Intercooler								
Injection		Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
Cooling System		Water Cooled									
Electrik System	(VDC)	24	24	24	24	24	24	24	24	24	24
Lub-Oil Capacity	(L)	28,7	28,7	40	40	35	57,4	57,4	57,4	57,4	62
Engine Coolant Capacity	(L)	46	49	52	52	61	110	110	110	110	132
Fuel Tank Capacity	(L)	585	585	890	890	1145	1310	1310	1310	1310	1310
Fuel Consumption %100	(L/h)	40,9	55,48	60,2	69,7	84,15	99,5	110,25	123,75	145,35	166,57
Fuel Consumption %75	(L/h)	31,5	41,81	44,68	51,8	61,8	75,62	81,58	94,05	110,47	126,59
Fuel Consumption %50	(L/h)	21,52	29,6	30,6	36,3	43,13	49,6	56,2	63,11	73,95	84,66
ALTERNATOR											
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%
Insulation		H	H	H	H	H	H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	93	93	93	93,5	93,5	93,5	93,8	93,8	93,8	93,8
Overloading		110 % For 1 Hour									
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
Number of Pole		4	4	4	4	4	4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single	Single	Single	Single	Single	Single

MSDC Sdec Series
180-1000 kVA

SDEC

MASTERPOWER

Engine

- Sdec Heavy Duty Diesel Engine
- 4 Stroke, Water Cooled
- Dry – Type, Changeable Air Filter
- 24V Electrical System
- 1500 R.P.M.
- Tropical Type Radiator

Alternator

- 400/230V 50Hz
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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MSDC Sdec Series
180-1000 kVA

Technical Specifications

Technical Specifications		MSDC 180	MSDC 200	MSDC 210	MSDC 225	MSDC 235	MSDC 250	MSDC 285	MSDC 330	MSDC 360	MSDC 400	MSDC 440	MSDC 550	MSDC 600	MSDC 660	MSDC 725	MSDC 790	MSDC 825	MSDC 1000
Stand By Power	(kVA/kW)	180/144	200/160	210/168	225/180	235/188	250/200	285/228	330/264	360/288	400/320	440/352	550/440	600/480	660/528	725/580	790/632	825/660	1000/800
Prime Power	(kVA/kW)	164/131	181/145	191/153	205/164	214/171	227/181	259/207	300/240	327/261	365/290	400/320	500/400	545/436	600/480	660/528	718/574	750/600	909/727
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Stand By Current	(cos Phi=0,8) A	260	288	303	324	340	360	411	477	518	576	636	792	864	950	1044	1141	1190	1143
Prime Current	(cos Phi=0,8) A	236	260	276	295	309	328	373	432	470	523	578	720	785	864	950	1037	1082	1312
Dimension Without Canopy	(WxLxH) mm	1150x2800x1750						1400x3000x1900		1500x3700x1950			1900x3900x2570				1900x4100x2700		1900x4800x2700
Dimension With Canopy	(WxLxH) mm	1150x3300x2150						1400x3900x2350		1500x4300x2450			1900x4800x2570				1900x5000x2700		1900x6000x2700
Weight Without Canopy	(kg)	1605	1605	1775	1775	1900	1900	2550	2550	3150	3200	3500	4850	4900	4950	5200	5200	5305	5305
Weight With Canopy	(kg)	1900	1900	2070	2070	2250	2250	2850	2850	3700	3750	4050	5450	5700	5900	6150	6150	6250	6250
DIESEL ENGINE																			
Brand		Sdec	Sdec	Sdec	Sdec	Sdec	Sdec	Sdec	Sdec	Sdec	Sdec	Sdec	Sdec	Sdec	Sdec	Sdec	Sdec	Sdec	Sdec
Model		SC7H230D2	SC7H230D2	SC7H230D2	SC7H250D2	SC9D280D2	SC9D280D2	SC9D340D2	SC9D340D2	SC13G420D2	SC15G500D2	SC15G500D2	SC25G610D2	SC25G690D2	SC25G755D2	SC27G830D2	SC27G900D2	SC33W990D2	SC33W1150D2
Engine Stand By Power	(kWm/hp)	170/231	170/231	185/252	185/252	204/280	204/280	250/340	250/340	308/419	363/494	363/494	445/605	505/687	555/575	610/830	662/900	726/987	860/1170
Revolution Per Munite	(r.p.m.)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500		1500
Total Displacement	(L)	6,44	6,44	6,44	6,44	8,27	8,27	8,82	8,82	12,88	14,16	14,16	25,8	25,8	26,6	26,6	26,6	26,6	32,8
Cylinders Orientation		6	6	6	6	6	6	6	6	6	6	6	12	12	12	12	12	6	6
Bore x Stroke	(mm x mm)	105x124	105x124	105x124	105x124	114x135	114x135	114x144	114x144	135x150	135x165	135x165	135x150	135x150	135x155	135x155	135x155	180x215	135x155
Compression Ratio		16:1	16:1	16:1	16:1	18:1	18:1	16,5:1	16,5:1	16:1	15,55:1	15,55:1	16:1	16:1	16:1	16:1	16:1	15:1	15:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Aspration System		Intercooler	Intercooler	Intercooler	Intercooler	Intercooler	Intercooler	Intercooler	Intercooler	Intercooler	Intercooler	Intercooler	Intercooler	Intercooler	Intercooler	Intercooler	Intercooler	Intercooler	Intercooler
Injection		Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
Cooling System		Water Cooled																	
Electrik System	(VDC)	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
Lub-Oil Capacity	(L)	17,5	17,5	17,5	17,5	19	19	25	25	41	41	41	65	65	65	65	65	75	75
Engine Coolant Capacity	(L)	9,6	9,6	9,6	9,6	12	12	12	12	25,5	25,5	25,5	48	48	48	48	48	56	56
Fuel Tank Capacity	(L)	368	368	368	368	368	368	450	450	562	562	562	935	935	935	935	935	935	935
Max.Allowed Back Pressure	(kPa)	5	5	5	5	5	5	5	5	5	5	5	10	5	10	10	10	6	6
Exhaust Gas Temperature (max)	(°C)	600	600	600	600	600	600	600	600	600	600	600	650	650	600	600	625	625	625
Exhaust Gas Flow (max)	(m1/min)	1632	1632	1632	1632	2154	2154	2460	2460	2652	3018	3018	5160	5316	5508	5970	6000	6025	6025
Cooling Fan Air Flow	(m1/min)	732	732	732	732	984	984	1116	1116	1068	1170	1170	1920	2040	2160	2340	2450	2500	2500
Fuel Consumption %100	(L/h)	36,5	36,5	36,5	36,5	48,6	48,6	54,1	54,1	65,2	81,2	81,2	100,4	105,2	126	113,9	148,8	142,2	189,5
Fuel Consumption %75	(L/h)	27,3	27,3	27,3	27,3	36,2	36,2	40,8	40,8	47,1	59,8	59,8	75,8	79,6	95,3	87,5	111	104,4	144,9
Fuel Consumption %50	(L/h)	18,2	18,2	18,2	18,2	24,3	24,3	27,3	27,3	31,6	41,1	41,1	53,6	55,3	66,3	60,1	76,7	73,8	100,7
ALTERNATOR																			
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%
Insulation		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	93	93	93	93	93	93	93	93	93,5	93,5	93,5	93,5	93,8	93,8	93,8	93,8	93,8	93,8
Overloading		110 % For 1 Hour																	
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
Number of Pole		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single

MVP Volvo Penta Series
94-700 kVA

VOLVO PENTA

Engine

- Volvo Penta Heavy Duty Diesel Engine
- 4 Stroke, Water Cooled
- Dry – Type, Changeable Air Filter
- 12/24V Electrical System
- 1500 R.P.M.
- Tropical Type Radiator

Alternator

- 400/230V 50Hz
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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Technical Specifications		MVP94	MVP110	MVP145	MVP167	MVP200	MVP225	MVP275	MVP330	MVP350	MVP385	MVP415	MVP450	MVP500	MVP550	MVP660	MVP700
Stand By Power	(kVA/kW)	94/75	110/88	145/116	167/133	200/1600	225/180	275/220	330/264	350/280	385/308	415/332	450/360	500/400	550/440	660/528	700/560
Prime Power	(kVA/kW)	85/68	100/80	132/105	152/121	180/144	200/160	250/200	300/240	320/256	350/280	370/296	400/320	450/360	500/400	600/480	630/504
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Stand By Current	(cos Phi=0,8) A	136	159	209	241	289	325	397	476	508,09	556	599	650	722	794	935	1011
Prime Current	(cos Phi=0,8) A	122	144	190	219	260	289	361	433	461,9	505	534	578	650	722	855	910
Dimension Without Canopy	(WxLxH) mm	1100x2600x1780			1150x2800x1950			1300x3100x1800		1350x3000x2000	1400x3100x1900	1500x3300x1950				1600x3600x2150	
Dimension With Canopy	(WxLxH) mm	1100x3100x1980			1150x3500x2200			1300x3760x2260		1350x4600x2350	1400x3900x2350	1500x4000x2450				1600x4200x2500	
Weight Without Canopy	(kg)	1300	1390	1390	1620	1720	1835	2030	2190	2550	2650	3090	3240	3360	3360	3450	3550
Weight With Canopy	(kg)	1600	1680	1680	1950	2050	2165	2400	2560	3220	3200	3500	3570	3650	3650	3750	3825
DIESEL ENGINE																	
Brand		Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta
Model		TAD530GE	TAD531GE	TAD532GE	TAD731GE	TAD732GE	TAD733GE	TAD734GE	TAD1341GE	TAD1341GE	TAD1342GE	TAD1343GE	TAD1344GE	TAD1344GE	TAD1641GE	TAD1642GE	TAD1643GE
Engine Stand By Power	(kWm/hp)	83/113	98/133	125/170	148/170	148/201	195/265	241/327	298/405	308/419	333/453	356/484	389/529	431/586	473/643	536/729	596/811
Revolution Per Munite	(r.p.m.)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Total Displacement	(L)	4,76	4,76	4,76	7,15	7,15	7,15	7,15	12,78	12,78	12,78	12,78	12,78	12,78	16,12	16,12	16,12
Cylinders Orientation		4 Single Line	4 Single Line	4 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line	6 Single Line
Bore x Stroke	(mm x mm)	108x130	108x130	180x130	108x130	108x130	108x130	108x130	131x158	131x158	131x158	131x158	131x158	131x158	144x165	144x165	144x165
Compression Ratio		18:01	18:01	17,5:1	18:01	18:01	18,1:1	17:01	18,1:1	18,1:1	18,1:1	18,1:1	18,1:1	18,1:1	16,5:1	16,5:1	16,5:1
Governor Type		Mechanical	Mechanical	Mechanical	Mechanical	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Aspration System		Turbo Cac	Turbo Cac	Turbo Cac	Turbo Cac	Turbo Cac	Turbo Cac	Turbo Cac	Turbo Cac	Turbo Cac	Turbo Cac	Turbo Cac	Turbo Cac	Turbo Cac	Turbo Cac	Turbo Cac	Turbo Cac
Injection		Direct	Direct	Direct	Direct	Common Rail	Common Rail	Common Rail	Common Rail	Common Rail	Common Rail	Common Rail	Common Rail	Common Rail	Common Rail	Common Rail	Common Rail
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Electrik System	(VDC)	12	12	12	12	24	24	24	24	24	24	24	24	24	24	24	24
Lub-Oil Capacity	(L)	13	13	13	20	34	34	29	36	36	36	36	36	36	42	42	48
Engine Coolant Capacity	(L)	19,7	19,7	19,7	23,8	37,2	37,2	32	46	46	46	46	46	46	60	60	95
Fuel Tank Capacity	(L)	200	200	247	368	368	368	483	483	330	609	740	740	740	900	1060	1140
Max.Allowed Back Pressure	(kPa)		5	5	5	5	5	10	5	5	10	10	10	5	10	5	5
Exhaust Gas Temperature (max)	(°C)	527	557	532	540	542	530	550	414	405	402	420	465	571	455	500	463
Exhaust Gas Flow (max)	(m1/min)	894	1104	1392	1812	2106	2232	2004	3120	3250	3400	3600	4050	3498	5520	5880	6708
Cooling Fan Air Flow	(m1/min)	120	134,32	169,36	220,46	256,23	271,56	243,82	379,6	330	413,7	438	492,75	425,59	671,6	715,4	816,14
Fuel Consumption %100	(L/h)	19	23	29	34	41	46	52	68	62,5	68	82	83	92	102	120	128
Fuel Consumption %75	(L/h)	15	17	21	26	31	34	42	51	37,5	53	62	63	69	77	89	94
Fuel Consumption %50	(L/h)	10	12	14	18	21	23	30	35	21,875	37	43	43	47	52	59	63
ALTERNATOR																	
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Short Circuit Current		%300(10sec)	%300(10sec)	%300(10sec)	%300(10sec)	%300(10sec)	%300(10sec)	%300(10sec)	%300(10sec)	%300(10sec)	%300(10sec)	%300(10sec)	%300(10sec)	%300(10sec)	%300(10sec)	%300(10sec)	%300(10sec)
Insulation		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	90,6	90,6	92,5	92,7	92,7	92,7	92,9	93,1	93,1	93,4	93,7	93,7	94,4	95	95,1	95,2
Overloading		110 % For 1 Hour															
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %
Connection Type		Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
Number of Pole		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single

MPD Deutz Series
40-315 kVA

Engine

- Deutz Heavy Duty Diesel Engine
- 4 Stroke, Water Cooled
- Dry – Type, Changeable Air Filter
- 12/24V Electrical System
- 1500 R.P.M.
- Tropical Type Radiator

Alternator

- 400/230V 50Hz
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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MPD Deutz Series
40-315 kVA

Technical Specifications		MPD40	MPD60	MPD72	MPD82	MPD110	MPD150	MPD175	MPD220	MPD290	MPD315
Stand By Power	(kVA/kW)	40/32	60/48	72/58	82/65,6	110/88	150/120	175/140	220/176	290/232	315/252
Prime Power	(kVA/kW)	36/28,8	55/44	65/52	65/52	100/80	136/109	158/126	200/160	263/210	284/227
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Stand By Current	(cos Phi=0,8) A	58	87	104	118	159	217	253	318	231	250
Prime Current	(cos Phi=0,8) A	52	80	94	94	149	197	228	289	210	227,3
Dimension Without Canopy	(WxLxH) mm	1000x2050x1550		1000x2400x1480			1050x2700x1850	1050x3100x1870		1400x3000x2620	
Dimension With Canopy	(WxLxH) mm	1000x2400x1615		1000x2880x1615			1050x3180x1870	1050x3580x1950		1400x3300x2550	
Weight Without Canopy	(kg)	875	965	1055	1090	1125	1330	1560	1700	2440	2450
Weight With Canopy	(kg)	1015	1105	1260	1295	1330	1580	1810	1950	2940	2990
DIESEL ENGINE											
Brand		Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz
Model		D226B-3D	TD226B-3D	WP4D66E200	WP4D66E200	WP4D81E200	WP4D108E200	WP6D140E200	WP6D152E200	BF6M1015-LA-GA	BF6M1015C-G1A
Engine Stand By Power	(kWm/hp)	36,5/49	55,2/75	74/99	86/116	101/137,36	132/179,5	146/198,5	190/258,4	271/365	250/340
Revolution Per Munite	(r.p.m.)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Total Displacement	(L)	3,117	3,117	4,5	4,5	4,5	4,5	6,75	6,75	11,906	11,906
Cylinders Orientation		3	3	4	4	4	4	6	6	6	6
Bore x Stroke	(mm x mm)	105x120	105x120	105x130	105x130	105x130	105x130	105x130	105x130	132x145	132x145
Compression Ratio		16,4:1	15,5:1	18:01	18:01	18:01	18:01	18:01	18:01	16,5:1	16,5:1
Governor Type		Mechanic / Electronic					Electronic				
Aspration System		Turbo Charged					Turbo Charged / Intercooler				
Injection		Direct									
Cooling System		Water Cooled									
Electrik System	(VDC)	12	12	Ara.24	Ara.24	Ara.24	24	24	24	24	24
Lub-Oil Capacity	(L)	7,25	7,25	10	10	10	10	20	20	36	36
Engine Coolant Capacity	(L)	17,2	17,2	15,3	15,3	15,3	16,3	28	26	62	62
Fuel Tank Capacity	(L)	132	132	180	180	180	280	380	380	565	565
Max.Allowed Back Pressure	(kPa)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fuel Consumption %100	(L/h)	8,12	13,58	13,84	15,47	20,76	28,05	32,79	39,03	52,31	55,25
Fuel Consumption %75	(L/h)	6,09	10,19	10,5	11,74	15,76	21,08	24,89	29,41	39,55	41,52
Fuel Consumption %50	(L/h)	4,06	6,79	7,5	8,39	11,26	14,54	16,79	20,31	26,78	27,78
ALTERNATOR											
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%
Insulation		H	H	H	H	H	H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	93	93	93	93	93	93	93,5	93,5	93,8	93,8
Overloading		110 % For 1 Hour									
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
Number of Pole		4	4	4	4	4	4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single	Single	Single	Single	Single	Single

MPD Deutz Series
360-825 kVA

Engine

- Deutz Heavy Duty Diesel Engine
- 4 Stroke, Water Cooled
- Dry – Type, Changeable Air Filter
- 24V Electrical System
- 1500 R.P.M.
- Tropical Type Radiator

Alternator

- 400/230V 50Hz
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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MPD Deutz Series
360-825 kVA

Technical Specifications		MPD360	MPD400	MPD430	MPD460	MPD525	MPD550	MPD575	MPD615	MPD640	MPD675	MPD700	MPD825
Stand By Power	(kVA/kW)	360/288	400/320	430/344	460/368	525/420	550/400	575/460	615/492	640/512	675/540	700/560	825/660
Prime Power	(kVA/kW)	325/260	365/292	392/314	415/332	475/380	500/400	522/418	555/444	580/464	614/491	636/509	750/600
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Stand By Current	(cos Phi=0,8) A	521	579	623,07	666	760	796	833	891	927	978	1014	1193
Prime Current	(cos Phi=0,8) A	470	528	568	601	688	724	756	804	840	889	921	1086
Dimension Without Canopy	(WxLxH) mm	1600x3000x2650		1600x3000x2550		1600x3500x2680			1600x3500x2680		1600x3500x2665		1900x4000x2865
Dimension With Canopy	(WxLxH) mm	1600x3600x2550		1600x3600x2650		1600x4000x2660			1600x4000x2660		1600x4000x2680		2100x4970x3070
Weight Without Canopy	(kg)	2665	2700	2750	2750	3285	3285	3285	3420	3490	3540	3540	5230
Weight With Canopy	(kg)	3215	3340	3460	3460	3980	3980	3980	4080	4150	4200	4250	4130
DIESEL ENGINE													
Brand		Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz
Model		BF6M1015C-LA-G2A	BF6M1015C-LA-G3A	BF6M1015C-LA G4	BF6M1015CP-LA G	BFM8M1015C-LA G1A	BF8M1015C-LA G2	BF8M1015CP-LA G1A	BF8M1015CP-LA G2	BF8M1015CP-LA G3	BF8M1015CP-LA G4	BF8M1015CP-LA G5	HC12V132ZL
Engine Stand By Power	(kWm/hp)	340/459	378/510	407/549	435/587	492/664	515/695	535/726	575/776	599/808	632/853	655/884	740/1000
Revolution Per Munite	(r.p.m.)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Total Displacement	(L)	11,906	11,906	11,906	11,906	15,874	15,874	15,874	15,874	15,874	15,874	15,874	23,812
Cylinders Orientation		6	6	6	6	8	8	8	8	8	8	8	12
Bore x Stroke	(mm x mm)	132x145	132x145	132x145	132x145	132x145	132x145	132x145	132x145	132x145	132x145	132x145	132 x 145
Compression Ratio		16.5:1	16.5:1	16.5:1	16.5:1	16.5:1	16.5:1	16.5:1	16.5:1	16.5:1	16.5:1	16.5:1	16.5:1
Governor Type		Electronic											
Aspration System		Turbo Charged / Intercooler											
Injection		Direct											
Cooling System		Water Cooled											
Electrik System	(VDC)	24	24	24	24	24	24	24	24	24	24	24	24
Lub-Oil Capacity	(L)	36	36	36	36	48	48	48	48	48	48	48	48
Engine Coolant Capacity	(L)	62	62	62	67	87	87	87	87	93	93	93	111
Fuel Tank Capacity	(L)	760	760	700	700	1000	1000	1000	1000	1000	1000	1000	1000
Max.Allowed Back Pressure	(kPa)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fuel Consumption %100	(L/h)	63,92	70,08	79,63	83,85	92,84	98,68	107,44	117,37	125,24	132,87	137,79	155,29
Fuel Consumption %75	(L/h)	48,33	52,39	58,88	62,59	69,73	73,77	79,08	86,56	91,02	73,77	79,08	116,47
Fuel Consumption %50	(L/h)	32,74	34,7	38,12	41,33	46,62	48,86	50,72	55,75	56,8	60,26	62,49	77,65
ALTERNATOR													
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50	50	50	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%
Insulation		H	H	H	H	H	H	H	H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	93	93	93	93	93	93	93	93,5	93,5	93,5	93,5	93,8
Overloading		110 % For 1 Hour											
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
Number of Pole		4	4	4	4	4	4	4	4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single

MPMS Mitsubishi Series
11-41 kVA

MITSUBISHI HEAVY INDUSTRIES, LTD.

MASTERPOWER

Engine

- Mitsubishi Heavy Duty Diesel Engine
- 4 Stroke, Water Cooled
- Dry – Type, Changeable Air Filter
- 12V Electrical System
- 1500 R.P.M.
- Tropical Type Radiator

Alternator

- 400/230V 50Hz
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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Technical Specifications		MPMS11	MPMS15	MPMS22	MPMS33	MPMS41
Stand By Power	(kVA/kW)	11/9	15/12	22/17,6	33/26	41/33
Prime Power	(kVA/kW)	10/8	14/11	20/16	30/24	40/32
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230
Stand By Current	(cos Phi=0,8) A	17,47	21,09	34,94	52,4	60,28
Prime Current	(cos Phi=0,8) A	15,88	18,18	31,76	47,63	54,8
Dimension Without Canopy	(WxLxH) mm	1350x850x940	700x1300x1000	1360x850x1000	950x1650x1100	950x1650x1100
Dimension With Canopy	(WxLxH) mm	1850x910x1130	710x1750x1200	1850x910x1130	950x2200x1450	950x2200x1450
Weight Without Canopy	(kg)	330	382	470	575	578
Weight With Canopy	(kg)	550	547	650	835	838
DIESEL ENGINE						
Brand		Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
Model		S3L2-61SD	S4L2-61SD	S4Q2	S4S-61SD	S4SDT-61SD
Engine Stand By Power	(kWm/hp)	11/14,74	15,4/20,8	22,4/30,02	31,6/42,35	39/52,65
Revolution Per Munite	(r.p.m.)	1500	1500	1500	1500	1500
Total Displacement	(L)	1,318	2	2.505	3,331	3,331
Cylinders Orientation		3	4	4	4	4
Bore x Stroke	(mm x mm)	78x92	78x92	88x103	84x120	84x120
Compression Ratio		22.0:1	22.0:1	22.0:1	22.0:1	17:01
Governor Type		Electronic				
Aspration System		Turbo Charged / Aftercooler				
Injection		Direct				
Cooling System		Water Cooled				
Electrik System	(VDC)	12	12	12	12	12
Lub-Oil Capacity	(L)	5,7	5,9	6,5	9,5	9,5
Engine Coolant Capacity	(L)	6,5	6,5	7	9,5	9,5
Fuel Tank Capacity	(L)	75	75	75	90	90
Max.Allowed Back Pressure	(kPa)	N/A	N/A	N/A	N/A	N/A
Exhaust Gas Temperature (max)	(°C)	400	410	600	500	500
Exhaust Gas Flow (max)	(m1/min)	2,19	3,5	4,6	6,75	7,8
Cooling Fan Air Flow	(m1/min)	0,82	1,7	1,7	2,47	2,87
Fuel Consumption %100	(L/h)	3,1	4,4	6,2	8,2	9,6
Fuel Consumption %75	(L/h)	2,5	3,6	4,7	6	7,4
Fuel Consumption %50	(L/h)	2,1	2,6	3,4	4,2	5,3
ALTERNATOR						
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%	>300%	>300%
Insulation		H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	89	90	93	89	90
Overloading		110 % For 1 Hour				
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star	Star	Star
Number of Pote		4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single

MPMS Mitsubishi Series
825-2500 kVA

MITSUBISHI HEAVY INDUSTRIES, LTD.

MASTERPOWER

Engine

- Mitsubishi Heavy Duty Diesel Engine
- 4 Stroke, Water Cooled
- Dry – Type, Changeable Air Filter
- 24V Electrical System
- 1500 R.P.M.
- Tropical Type Radiator

Alternator

- 400/230V 50Hz
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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MPMS Mitsubishi Series
825-2500 kVA

MITSUBISHI HEAVY INDUSTRIES, LTD.

Technical Specifications

MASTERPOWER

Technical Specifications		MPMS825	MPMS880	MPMS1100	MPMS1265	MPMS1425	MPMS1540	MPMS1650	MPMS1900	MPMS2100	MPMS2200	MPMS2500
Stand By Power	(kVA/kW)	825/660	880/704	1100/880	1265/1012	1425/1140	1540/1232	1650/1320	1912/1530	2090/1672	2200/1760	2530/2024
Prime Power	(kVA/kW)	750/600	800/640	1030/824	1150/920	1290/1032	1397/1117	1500/1200	1750/1400	1898/1518	2000/1600	2286/1828
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Stand By Current	(cos Phi=0,8) A	1309	1397	1507	1733	1952	2110	2260	2640	2860	3000	3440
Prime Current	(cos Phi=0,8) A	1190	1270	1410	1575	1767	1913	2055	2400	2600	2740	3130
Dimension Without Canopy	(WxLxH) mm	4100x1800x2180	4370x1970x2120	4370x2100x2210	2000x4515x2390	2000x4515x2390	2000x4515x2390	2180x5010x2550	2265x5055x2650	2250x5260x2650	2205x5840x2730	2250x6010x2730
Dimension With Canopy	(WxLxH) mm	5410x1860x2650	6500x2200x2350	7500x2300x2500	2470x6080x2900	2470x6080x2900	2470x6080x2900	2470x9145x3100	2470x9145x3100	2470x9145x3100	2470x12212x3100	2470x12212x3100
Weight Without Canopy	(kg)	6360	6965	8940	9300	9300	9810	10056	12907	13517	13500	15830
Weight With Canopy	(kg)	7680	9840	12250	12680	12930	13440	15056	17757	18007	21300	23480
DIESEL ENGINE												
Brand		Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
Model		S6R2-PTAA	S12A2-PTA	S12H-PTA	S12R-PTA	S12R-PTA	S12R-PTA2	S12R-PTAA2	S16R-PTA	S16R-PTA2	S16R-PTAA2	S16R2-PTAW
Engine Stand By Power	(kWm/hp)	730/978	678/746	1020/1367	1031/1390	1220/1647	1315/1775	1441/1932	1620/2172	1790/2416	1939/2600	2167/2905
Revolution Per Munite	(r.p.m.)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Total Displacement	(L)	29,96	30	33,11	49,03	49,03	49,03	49,03	65,37	65,37	65,37	79,9
Cylinders Orientation		6	6	6	12	12	12	12	16	16	16	16
Bore x Stroke	(mm x mm)	170x220	150x160	150x175	170x180	170x180	170x180	170x180	170x180	170x180	170x180	170x220
Compression Ratio		14.0:1	14.0:1	14.0:1	14.0:1	14.0:1	13,5:1	13,5:1	14.0:1	13,5:1	13,5:1	14,0:1
Governor Type		Electronic										
Aspration System		Turbo Charged / Aftercooler										
Injection		Direct										
Cooling System		Water Cooled										
Electrik System	(VDC)	24	24	24	24	24	24	24	24	24	24	24
Lub-Oil Capacity	(L)	94	94	200	180	180	180	180	230	230	230	260
Engine Coolant Capacity	(L)	132	143	244	300	300	300	300	345	345	413	442
Fuel Tank Capacity	(L)	1300	1500	1500	1500	1500	1500	2500	2500	2500	2500	3500
Max.Allowed Back Pressure	(kPa)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Exhaust Gas Temperature (max)	(°C)	500	500	500	500	500	520	520	539	524	524	524
Exhaust Gas Flow (max)	(m1/min)	132	220	244	258	258	279	279	339	379	420	442
Cooling Fan Air Flow	(m1/min)	726	1140	1800	1800	1800	1800	1800	1950	2040	2500	2760
Fuel Consumption %100	(L/h)	156,7	171	216,1	271	271	288	288	353	403	401	478
Fuel Consumption %75	(L/h)	119,2	128	168,6	208	208	218	218	266	304	310	362
Fuel Consumption %50	(L/h)	81,5	85	118,8	151	151	155	155	188	219	230	242
ALTERNATOR												
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50	50	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%
Insulation		H	H	H	H	H	H	H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	94	93	93	96,2	95,6	94,9	94,5	96,2	95,6	95,6	94,9
Overloading		110 % For 1 Hour										
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
Number of Pole		4	4	4	4	4	4	4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single

MBD Baudouin Series
17-360 kVA

MOTEURS Baudouin

Engine

- Baudouin Heavy Duty Diesel Engine
- 4 Stroke, Water Cooled
- Dry – Type, Changeable Air Filter
- 12/24V Electrical System
- 1500 R.P.M.
- Tropical Type Radiator

Alternator

- 400/230V 50Hz
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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Technical Specifications		MBD17	MBD22	MBD30	MBD35	MBD250	MBD275	MBD330	MBD360
Stand By Power	(kVA/kW)	17/13,6	22/17,6	30/24	35/28	250/200	275/220	330/264	360/288
Prime Power	(kVA/kW)	15.Ara	20/16	27/22	32/26	225/180	250/200	300/240	330/264
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Stand By Current	(cos Phi=0,8) A	24,6	31,8	40,5	50,7	362	398	478	521
Prime Current	(cos Phi=0,8) A	21,7	28,9	36,4	46,3	326	362	434	478
Dimension Without Canopy	(WxLxH) mm	900x1750x1185				1150x3340x2220	1150x3340x2220	1150x3340x2220	1150 x 3340 x 1930
Dimension With Canopy	(WxLxH) mm	900x2100x1365				1150x3820x2465	1150x3820x2465	1150x3820x2465	1150 x 3820 x 2465
Weight Without Canopy	(kg)	560	560	560	560	2595	2595	2605	2520
Weight With Canopy	(kg)	700	700	700	700	2630	2630	2640	2920
DIESEL ENGINE									
Brand		Baudouin	Baudouin	Baudouin	Baudouin	Baudouin	Baudouin	Baudouin	Baudouin
Model		WP2.1D18E2	WP2.1D22E2	WP2.1D30E200	WP2.1D33E200	WP10D200E200	WP10D238E200	WP10D264E200	WP10D320E200
Engine Stand By Power	(kWm/hp)	15/20,25	20,2/27,3	27/36,45	31,8/43	227/307	250/338	298/402	
Revolution Per Munite	(r.p.m.)	1500	1500	1500	1500	1500	1500	1500	1500
Total Displacement	(L)	2,088	2,088	2,088	2,088	9,73	9,73	9,73	9,73
Cylinders Orientation		4	4	4	4	6	6	6	6
Bore x Stroke	(mm x mm)	85x92	85x92	85x92	85x92	126x130	126x130	126x130	126x130
Compression Ratio		17,5:1	17,5:1	17,5:1	17,5:1	17:01	17:01	17:01	17:01
Governor Type		Electronic	Electronic	Mechanic	Mechanic	Electronic	Electronic	Electronic	Electronic
Aspration System		Turbo Charged	Turbo Charged	Turbo Charged / Intercooler					
Injection		Direct							
Cooling System		Water Cooled							
Electrik System	(VDC)	12	12	12	12	24	24	24	24
Lub-Oil Capacity	(L)	9	9	9	9	24	24	24	24
Engine Coolant Capacity	(L)	7	7	7	7	53	53	53	53
Fuel Tank Capacity	(L)	92	92	92	132	580	580	580	580
Max.Allowed Back Pressure	(kPa)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fuel Consumption %100	(L/h)	4,8	6,1	6,1	6,9	47,33	50,9	64,98	71,41
Fuel Consumption %75	(L/h)	3,6	4,6	4,6	5,1	35,66	38,17	48,25	53
Fuel Consumption %50	(L/h)	2,6	3,3	3,3	3,6	24,72	25,84	22,33	35,53
ALTERNATOR									
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%
Insulation		H	H	H	H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	93,5	93,8	93,8	93,8	93,8	93,8	93,8	93,8
Overloading		110 % For 1 Hour							
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star	Star	Star	Star	Star	Star
Number of Pole		4	4	4	4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single	Single	Single	Single

MBD Baudouin Series
425-1500 kVA

MOTEURS Baudouin

Engine

- Baudouin Heavy Duty Diesel Engine
- 4 Stroke, Water Cooled
- Dry – Type, Changeable Air Filter
- 24V Electrical System
- 1500 R.P.M.
- Tropical Type Radiator

Alternator

- 400/230V 50Hz
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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MBD Baudouin Series
425-1500 kVA

Technical Specifications

Technical Specifications		MBD425	MBD485	MBD550	MBD605	MBD720	MBD770	MBD900	MBD1000	MBD1125	MBD1250	MBD1385	MBD1500
Stand By Power	(kVA/kW)	425/340	485/388	550/440	605/484	720/576	770/616	900/720	1000/800	1125/900	1250/1000	1385/1108	1500/1200
Prime Power	(kVA/kW)	385/308	440/352	500/400	550/440	650/520	700/560	810/648	910/728	1023/818	1125/900	1250/1000	1350/1080
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Stand By Current	(cos Phi=0,8) A	615	702	796	876,5	1043	1115	1304	1449	1630	1811	2006	2173
Prime Current	(cos Phi=0,8) A	557	637	579	797	941	1014	1173	1318	1482	1630	1811	1956
Dimension Without Canopy	(WxLxH) mm	1300x3300x2350		1700x4100x2660	1700x4100x2670	1800x4200x2500	1800x4200x2500	2100x4500x2600				2250x5000x2650	
Dimension With Canopy	(WxLxH) mm	1300x3750x2350		1700x4250x2660	1700x4250x2670	1800x4400x2500	1800x4400x2500	2200x5300x2750				2400x5450x3450	
Weight Without Canopy	(kg)	2440	2450	3250	3460	4060	4240	6330	6430	6790	6820	6450	9450
Weight With Canopy	(kg)	2975	2985	3810	4020	4635	4815	7180	7280	7640	7670	8760	9080
DIESEL ENGINE													
Brand		Baudouin	Baudouin	Baudouin	Baudouin	Baudouin	Baudouin	Baudouin	Baudouin	Baudouin	Baudouin	Baudouin	Baudouin
Model		WP13D385E200	WP13D405E200	6M26D447E200	6M26D484E200	6M33D572E200	6M33D632E200	12M26D748E200	12M26D792E200	12M26D902E200	12M26D968E200	12M33D1108E200	12M33D1210E200
Engine Stand By Power	(kWm/hp)	393/530,5	449/606	509/687,5	560/756	666/899	712/961	833/1125	925/1250	1041/1406	1157/1562	1282/1731	1388/1876
Revolution Per Munite	(r.p.m.)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Total Displacement	(L)	12,54	12,54	15,9	15,9	19,6	19,6	31,8	31,8	31,8	31,8	39,2	39,2
Cylinders Orientation		6	6	6	6	6	6	12	12	12	12	12	12
Bore x Stroke	(mm x mm)	127x165	127x165	150x150	150x150	150x185	150x185	150x150	150x150	150x150	150x150	150x185	150x185
Compression Ratio		16:01	16:01	15,7:1	15,7:1	15:01	15:01	15,7:1	15,7:1	15,7:1	15,7:1	15:01	15:01
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Aspration System		Turbo Charged / Aftercooler				Turbo Charged / Intercooler							
Injection		Direct											
Cooling System		Water Cooled											
Electrik System	(VDC)	24	24	24	24	24	24	24	24	24	24	24	24
Lub-Oil Capacity	(L)	36	36	50	50	60,5	60,5	113	113	113	113	146	146
Engine Coolant Capacity	(L)	25	25	79	79	41,63	126,63	180	180	198	210	75,94	75,94
Fuel Tank Capacity	(L)	750	750	1000	1000	1250	1250	1550	1550	2000	2000	2500	2500
Max.Allowed Back Pressure	(kPa)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fuel Consumption %100	(L/h)	82,48	93,79	107,52	118,16	140,63	149,79	171,39	190,43	212	234	255	274,93
Fuel Consumption %75	(L/h)	60,92	68,91	77,45	85,11	101,29	108,43	131,77	146,41	163	180	187	201
Fuel Consumption %50	(L/h)	41,03	46,09	51,9	57,03	67,88	72,66	91,29	101,44	113	124	127	137
ALTERNATOR													
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50	50	50	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%
Insulation		H	H	H	H	H	H	H	H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	86,2	86,6	87,4	88,1	89,1	90,2	90,7	90,5	90,5	93,2	93,2	92,4
Overloading		110 % For 1 Hour											
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
Number of Pole		4	4	4	4	4	4	4	4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single

MGK Kubota Marine Series
8-31 kVA

Engine

- Kubota Heavy Duty Diesel Engine
- 4 Stroke, Marine Water Cooled
- Dry – Type, Changeable Air Filter
- 12V Electrical System
- 3000-1500 R.P.M.
- Marine Water Exchancer Coold

Alternator

- 220V 50Hz Single Phase
- 380/220V 50Hz Three Phase
- Complies With VDE 0530 & 1EC 34-1 Standards
- Brushless,Synchron Type, Single Bearing
- Self Excitation
- Automatic Voltage Regulator (AVR)
- Protection Class : IP23
- Insulation Class : H

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Technical Specifications		MGK7	MGK10	MGK10N	MGK13.5	MGK13.5T	MGK17.5	MGK17.5T	MGK22.5	MGK22.5T	MGK27	MGK27T
Stand By Power	(kVA/kW)	8/6,4	11/8,8	11.3/9	15.7/12.6	15.7/12.6	21/16.8	21/16.8	24/20.8	26/20.8	31/24.8	31/24.8
Prime Power	(kVA/kW)	7/4,8	10/8	10/8	13.5/13.6	13.5/13.6	17.5/14	17.5/14	22.5/18	22.5/18	27/21.6	27/21.6
Output Voltage	(V)	220	220	220	220	220	220	220/380	220	220/380	220/380	220/380
Stand By Current	(cos Phi=0,8) A	8,64	11,88	11,88	16,96	16,96	22,7	22,7	25,9	28,1	33.48	33.48
Prime Current	(cos Phi=0,8) A	7,56	10,8	10,8	14,6	14,6	18.36	18.36	24,3	24.3	29.15	29.15
Dimension Whit Canopy	(WxLxH) mm	780x520x550	910x555x695	930x520x550	970x615x715	983x615x715	1105x615x715	1170x615x715	1189x615x795	1189x615x795	1315x650x800	1315x650x800
Weight With Canopy	(kg)	171	318	219	408	398	461	441	535	498	768	743
DIESEL ENGINE												
Brand		Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota
Model		Z482	D1105	D722	D1703	D1703	V2203	V2203	V2403	V2403	V3300-E2BG	V3300-E2BG
Engine Stand By Power	(kWm/hp)	7.40/10	10,2/13,75	10.5/14.12	14.54/19.62	14.54/19.62	19.44/26.25	19.44/26.25	22,22/30	24.07/32.50	28.70/38.75	28.70/38.75
Revolution Per Munite	(r.p.m.)	3000	3000	3000	1500	1500	1500	1500	1500	1500	1500	1500
Total Displacement	(L)	0.479	1.123	0.719	1.647	1.647	2.197	2.197	2.434	2.434	3.318	3.318
Cylinders Orientation		2	3	3	3	3	3	4	4	4	4	4
Bore x Stroke	(mm x mm)	67x68	67x68	67x68	87x92.4	87x92.4	87x92.4	87x92.4	87x102.4	87x102.4	98x110	98x110
Compression Ratio		23:1	22:01	22:01	22:01	22:01	22.8:1	22.8:1	23:01	23:01	22.5:1	22.5:1
Governor Type		Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic
Aspration System		Turbo Charged										
Injection		Direct										
Cooling System		Marin Water Cooled										
Electrik System	(VDC)	12	12	12	12	12	12	12	12	12	12	12
Lub-Oil Capacity	(L)	2.2	5.1	3.4	5.6	5.6	7.6	7.6	9,5	9,5	13.2	13.2
Engine Coolant Capacity	(L)	3.7	4	4.1	5	5	7.6	7.6	7,6	7,6	13.7	13.7
Compustion intake Air Flow	m^3 /dk	0.42	1.19	1.19	1.19	1.19	2	2	1.1	1.1	3.7	3.7
Radiator Cooling Air Flow	m^3 /dk	13	15.9	15.9	15.9	15.9	38	38	72.6	72.6	53	53
Max.Allowed Back Pressure	(kPa)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fuel Consumption %100	(L/h)	1.9	2.7	2.7	3	3	4.8	4.8	6.1	6.1	9.1	9.1
Fuel Consumption %75	(L/h)	1.4	1.9	1.9	2.3	2.3	3.6	3.6	4.2	4.2	6.2	6.2
Fuel Consumption %50	(L/h)	1.1	1.5	1.5	1.9	1.9	2.7	2.7	3.4	3.4	4.7	4.7
ALTERNATOR												
Output Voltage	(V)	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
Frequency	(Hz)	50	50	50	50	50	50	50	50	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%	>300%
Insulation		H	H	H	H	H	H	H	H	H	H	H
Protection		IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Efficiency	(%)	93,5	93,8	93,8	93,8	93,8	93,8	93,8	93,8	93,8	93,8	93,8
Overloading		110 % For 1 Hour										
Power Factor	(cos Phi)	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Total Harmonic Distortion Rate		THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
Number of Pole		4	4	4	4	4	4	4	4	4	4	4
Number of Bearing		Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single

MLTP Lighting Towers Series
10-15-22 kVA

MASTERPOWER

Perkins

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Technical Specifications		MLTP10	MLTP15	MLTP22
Stand By Power	(kVA/kW)	10/8	15/12	22/17,6
Prime Power	(kVA/kW)	9/7	13/10.4	20/16
Output Voltage	(V)	220/380	220/380	220/380
Stand By Current	(cos Phi=0,8) A	10,8	16,2	23,75
Prime Current	(cos Phi=0,8) A	9,72	14,04	21,6
Dimension With Canopy	(WxLxH) mm	2500x1100x1600/4500		
Weight With Canopy	(kg)	1000	1150	1350
DIESEL ENGINE				
Brand		Perkins	Perkins	Perkins
Model		403D-11G	403A-15G1	404A-22G1
Engine Stand By Power	(kWm/hp)	9,25/12,5	13,88/18,75	20,37/27,5
Revolution Per Munite	(r.p.m.)	1500	1500	1500
Total Displacement	(L)	1.131	1.496	2.26
Cylinders Orientation		3	3	4
Bore x Stroke	(mm x mm)	77x81	84x90	84x100
Compression Ratio		23:01	22.5:01	23.3:1
Governor Type		Mechanic	Mechanic	Mechanic
Aspration System		Turbo Charged	Turbo Charged	Turbo Charged
Injection		Direct	Direct	Direct
Cooling System		Water Cooled	Water Cooled	Water Cooled
Electrik System	(VDC)	12	12	12
Lub-Oil Capacity	(L)	4.9	6	10.6
Engine Coolant Capacity	(L)	5.2	6	7
Compustion intake Air Flow	m^3 /dk	0.7	1.08	1.45
Radiator Cooling Air Flow	m^3 /dk	40.2	36.6	0,49
Exhaust Gas Diffuser	m^3 /dk	1.66	2.72	3,64
Exhaust Gas Temperature (max)	(°C)	445	445	445
Fuel Tank Capacity	(L)	250	250	250
Max.Allowed Back Pressure	(kPa)	N/A	N/A	N/A
Fuel Consumption %100	(L/h)	2.6	3.7	5,3
ALTERNATOR				
Output Voltage	(V)	400/230	400/230	400/230
Frequency	(Hz)	50	50	50
Stationary Voltage Regulation	(+/-)	1%	1%	1%
Short Circuit Current		>300%	>300%	>300%
Insulation		H	H	H
Protection		IP 23	IP 23	IP 23
Efficiency	(%)	93,5	93,8	93,8
Overloading		110 % For 1 Hour		
Power Factor	(cos Phi)	0,8	0,8	0,8
Total Harmonic Distortion Rate		THF < 2 %	THF < 2 %	THF < 2 %
Connection Type		Star	Star	Star
Number of Pole		4	4	4
Number of Bearing		Single	Single	Single

Technical Specifications		MLTP10	MLTP15	MLTP22
LIGHT SOURCE				
Lighting Type		Metal Halide	Metal Halide	Metal Halide
Number of Lamps	Adet	4	4	4
Light Flow	Lm	85.000	85.000	85.000
Tower Height	Mt	9	9	9
Rotation Capacity	°C	340°	340°	340°
Lifting System		Hydraulic / Mechanic		

Purchased Electric

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