



**TEKSAN DIESEL GENERATING SET**  
(230/400 V 50 Hz - 1500 rpm)

GEN-SET MODEL		TJ95DW	TJ120DW	TJ140DW	TJ180DW
<b>GEN-SET POWER RATING</b>					
*Stand-by Power	kVA	94	116	136	180
**Prime Power	kVA	85	105	123	165
* Stand-by Power is available with varying load for a limited time of 100 hours and average load factor of 70 % , no overload is permitted					
** Prime Power is available with varying load for the duration of the interruption of the utility power .An overload of 10% is permitted for one hour in every twelve hours of operation.					
<b>DIMENSIONS W x L x H</b>					
Open Skid	mm	750x2400x1280	750x2400x1280	750x2400x1280	950x3000x1530
Canopied	mm	1000x3250x1670	1000x3250x1670	1000x3250x1670	1200x4000x1950
<b>FUEL TANK CAPACITIES</b>					
Open Skid	lt	140	140	140	345
Canopied	lt	168	168	168	352
<b>WEIGHTS</b>					
Open Skid	kg	1220	1345	1375	1750
Canopied	kg	1780	1905	1935	2400
<b>ENGINE</b>					
Manufacturer		DOOSAN - DAEWOO	DOOSAN - DAEWOO	DOOSAN - DAEWOO	DOOSAN - DAEWOO
Origin		SOUTH KOREA	SOUTH KOREA	SOUTH KOREA	SOUTH KOREA
Model		D1146	D1146T	D1146T	P086TI
Governor Type		Mechanical	Mechanical	Mechanical	Electronic (GAC)
Speed	rpm	1500	1500	1500	1500
Stand-by Power	kWm	85	118	118	199
Prime Power	kWm	77	107	107	177
Cylinder number and config.		In line-6	In line-6	In line-6	In line-6
Bore/Stroke	mm	111/139	111/139	111/139	111/139
Displacement	lt	8,1	8,1	8,1	8,1
Compression ratio		17,5	16,8	16,8	16,4
Aspiration		Naturally aspirated	Turbocharged	Turbocharged	Turbocharged & intercooled (air to air)
Cooling		Water cooled	Water cooled	Water cooled	Water cooled
Electrical system	V	24	24	24	24
<b>Fuel Consumption</b>					
% 100 load	lt/h	20,6	21,2	25,9	33,3
% 75 load	lt/h	15,9	16,0	19,5	25,0
% 50 load	lt/h	11,3	11,2	13,6	16,7
Lub.Oil Capacity	lt	15,5	15,5	15,5	15,5
Coolant Capacity with radiator	lt	38,5	40	40	48,5
<b>Generator</b>					
Manufacturer		MARELLI	MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY	ITALY
Model		MJB225SA4	MJB225MA4	MJB225LA4	MJB250MA4
Stand By Power	kVA	94	116	145	180
Power Factor		0,8	0,8	0,8	0,8
Efficiency	%	91,0	91,8	92,2	92,9
Number of Bearing		Single	Single	Single	Single
Leads Number		12	12	12	12
Voltage	V	230/400	230/400	230/400	230/400
Voltage Regulation Accuracy		±1%	±1%	±1%	±1%
Frequency	Hz	50	50	50	50
Insulation Class		H	H	H	H
Protection		IP23	IP23	IP23	IP23
Excitation System		Brushless, AVR	Brushless, AVR	Brushless, AVR	Brushless, AVR
Connection		Star	Star	Star	Star

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GEN-SET MODEL		TJ205DW	TJ235DW	TJ275DW	TJ330DW
<b>GEN-SET POWER RATING (kVA)</b>					
*Stand-by Power	kVA	205	232	275	330
**Prime Power	kVA	185	206	250	300
* Stand-by Power is available with varying load for a limited time of 100 hours and average load factor of 70 % , no overload is permitted					
** Prime Power is available with varying load for the duration of the interruption of the utility power .An overload of 10% is permitted for one hour in every twelve hours of operation.					
<b>DIMENSIONS W x L x H (mm)</b>					
Open Skid	mm	950x3000x1530	950x3000x1530	1000x3000x1565	1000x3000x1565
Canopied	mm	1200x4000x1950	1200x4000x1950	1200x4000x1950	1200x4000x1950
<b>FUEL TANK CAPACITIES (lt)</b>					
Open Skid	lt	345	345	380	380
Canopied	lt	352	352	450	450
<b>WEIGHTS (kg)</b>					
Open Skid	kg	1810	1860	2160	2280
Canopied	kg	2460	2510	2820	2940
<b>ENGINE</b>					
Manufacturer		DOOSAN - DAEWOO	DOOSAN - DAEWOO	DOOSAN - DAEWOO	DOOSAN - DAEWOO
Origin		SOUTH KOREA	SOUTH KOREA	SOUTH KOREA	SOUTH KOREA
Model		P086TI	P086TI	P126TI-II	P126TI-II
Governor Type		Electronic (GAC)	Electronic (GAC)	Electronic (GAC)	Electronic (GAC)
Speed	rpm	1500	1500	1500	1500
Stand-by Power	kWm	199	199	294	294
Prime Power	kWm	177	177	264	264
Cylinder number and config.		In line-6	In line-6	In line-6	In line-6
Bore/Stroke	mm	111/139	111/139	123/155	123/155
Displacement	lt	8,1	8,1	11,05	11,05
Compression ratio		16,4	16,4	17	17
Aspiration		Turbocharged & intercooled (air to air)	Turbocharged & intercooled (air to air)	Turbocharged & intercooled (air to air)	Turbocharged & intercooled (air to air)
Cooling		Water cooled	Water cooled	Water cooled	Water cooled
Electrical system	V	24	24	24	24
<b>Fuel Consumption</b>					
% 100 load	lt/h	38,1	43,1	55	58,1
% 75 load	lt/h	28,6	31,7	41,3	43,6
% 50 load	lt/h	19,0	21,1	27,5	29,1
Lub.Oil Capacity	lt	15,5	15,5	23	23
Coolant Capacity with radiator	lt	48,5	48,5	65	65
<b>ALTERNATOR</b>					
Manufacturer		MARELLI	MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY	ITALY
Model		MJB250MB4	MJB250LA4	MJB250LB4	MJB315SA4
Stand By Power	kVA	205	240	275	330
Power Factor		0,8	0,8	0,8	0,8
Efficiency	%	93,0	93,2	93,4	93,1
Number of Bearing		Single	Single	Single	Single
Leads Number		12	12	12	12
Voltage	V	230/400	230/400	230/400	230/400
Voltage Regulation Accuracy		±1%	±1%	±1%	±1%
Frequency	Hz	50	50	50	50
Insulation Class		H	H	H	H
Protection		IP23	IP23	IP23	IP23
Excitation System		Brushless, AVR	Brushless, AVR	Brushless, AVR	Brushless, AVR
Connection		Star	Star	Star	Star

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## TEKSAN DIESEL GENERATING SET

(230/400 V 50 Hz - 1500 rpm)

GEN-SET MODEL		TJ385DW	TJ450DW	TJ490DW	TJ520DW
<b>GEN-SET POWER RATING</b>					
*Stand-by Power	kVA	385	450	486	518
**Prime Power	kVA	350	410	427	472
* Stand-by Power is available with varying load for a limited time of 100 hours and average load factor of 70 % , no overload is permitted					
** Prime Power is available with varying load for the duration of the interruption of the utility power .An overload of 10% is permitted for one hour in every twelve hours of operation.					
<b>DIMENSIONS W x L x H (mm)</b>					
Open Skid	mm	1300x3200x1840	1300x3200x1840	1300x3200x1840	1300x3200x1840
Canopied	mm	1650x4500x2250	1650x4500x2250	1650x4500x2250	1650x4500x2250
<b>FUEL TANK CAPACITIES</b>					
Open Skid	lt	685	685	685	685
Canopied	lt	650	650	650	650
<b>WEIGHTS</b>					
Open Skid	kg	3600	3740	3880	4300
Canopied	kg	4300	4440	4580	5000
<b>ENGINE</b>					
Manufacturer		DOOSAN - DAEWOO	DOOSAN - DAEWOO	DOOSAN - DAEWOO	DOOSAN - DAEWOO
Origin		SOUTH KOREA	SOUTH KOREA	SOUTH KOREA	SOUTH KOREA
Model		P158LE	P158LE	P158LE	P158LE-S
Governor Type		Electronic (GAC)	Electronic (GAC)	Electronic (GAC)	Electronic (GAC)
Speed	rpm	1500	1500	1500	1500
Stand-by Power	kWm	414	414	414	441
Prime Power	kWm	363	363	363	402
Cylinder number and config.		V-8	V-8	V-8	V-8
Bore/Stroke	mm	128/142	128/142	128/142	128/142
Displacement	lt	14,6	14,6	14,6	14,6
Compression ratio		15,0	15,0	15,0	14,6
Aspiration		Turbocharged & intercooled (air to air)	Turbocharged & intercooled (air to air)	Turbocharged & intercooled (air to air)	Turbocharged & intercooled (air to air)
Cooling		Water cooled	Water cooled	Water cooled	Water cooled
Electrical system	V	24	24	24	24
<b>Fuel Consumption</b>					
% 100 load	lt/h	69,3	81,0	89,0	99,5
% 75 load	lt/h	52,0	60,8	66,8	74,0
% 50 load	lt/h	34,7	40,5	44,5	49,3
Lub.Oil Capacity	lt	28	28	28	28
Coolant Capacity with radiator	lt	88,5	88,5	88,5	TBA
<b>ALTERNATOR</b>					
Manufacturer		MARELLI	MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY	ITALY
Model		MJB315SB4	MJB315MA4	MJB315MB4	MJB355SA4
Stand By Power	kVA	385	450	500	560
Power Factor		0,8	0,8	0,8	0,8
Efficiency	%	93,4	93,7	94,0	94,0
Number of Bearing		Single	Single	Single	Single
Leads Number		12	12	12	12
Voltage	V	230/400	230/400	230/400	230/400
Voltage Regulation Accuracy		±1%	±1%	±1%	±1%
Frequency	Hz	50	50	50	50
Insulation Class		H	H	H	H
Protection		IP23	IP23	IP23	IP23
Excitation System		Brushless, AVR	Brushless, AVR	Brushless, AVR	Brushless, AVR
Connection		Star	Star	Star	Star

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## TEKSAN DIESEL GENERATING SET

(230/400 V 50 Hz - 1500 rpm)

		TJ560DW	TJ600DW	TJ680DW	TJ715DW
<b>GEN-SET POWER RATING (kVA)</b>					
*Stand-by Power	kVA	560	600	680	714
**Prime Power	kVA	510	550	630	653
* Stand-by Power is available with varying load for a limited time of 100 hours and average load factor of 70 % , no overload is permitted					
** Prime Power is available with varying load for the duration of the interruption of the utility power .An overload of 10% is permitted for one hour in every twelve hours of operation.					
<b>DIMENSIONS W x L x H (mm)</b>					
Open Skid	mm	1300x3500x1852	1300x3500x1852	1300x3800x1884	1300x3800x1884
Canopied	mm	1650x5000x2250	1650x5000x2250	1650x5000x2250	1650x5000x2250
<b>FUEL TANK CAPACITIES (lt)</b>					
Open Skid	lt	762	762	850	850
Canopied	lt	1089	1089	1150	1150
<b>WEIGHTS (kg)</b>					
Open Skid	kg	4575	4875	5406	5406
Canopied	kg	5420	5520	6170	6170
<b>ENGINE</b>					
Manufacturer		DOOSAN - DAEWOO	DOOSAN - DAEWOO	DOOSAN - DAEWOO	DOOSAN - DAEWOO
Origin		SOUTH KOREA	SOUTH KOREA	SOUTH KOREA	SOUTH KOREA
Model		P180LE	P180LE	P222LE	P222LE-S
Governor Type		Electronic (GAC)	Electronic (GAC)	Electronic (GAC)	Electronic (GAC)
Speed	rpm	1500	1500	1500	1500
Stand-by Power	kWm	496	496	574	603
Prime Power	kWm	443	443	532	552
Cylinder number and config.		V-10	V-10	V-12	V-12
Bore/Stroke	mm	128/142	128/142	128/142	128/142
Displacement	lt	18,3	18,3	21,9	21,9
Compression ratio		15,0	15,0	15,0	14,6
Aspiration		Turbocharged & intercooled (air to air)	Turbocharged & intercooled (air to air)	Turbocharged & intercooled (air to air)	Turbocharged & intercooled (air to air)
Cooling		Water cooled	Water cooled	Water cooled	Water cooled
Electrical system	V	24	24	24	24
Fuel Consumption					
% 100 load	lt/h	102,3	111,1	124,3	130,0
% 75 load	lt/h	76,7	83,3	93,1	99,8
% 50 load	lt/h	51,2	55,6	62,2	68,3
Lub.Oil Capacity	lt	35	35	40	40
Coolant Capacity with radiator	lt	94	94	113	TBA
<b>ALTERNATOR</b>					
Manufacturer		MARELLI	MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY	ITALY
Model		MJB355SA4	MJB355SB4	MJB355MA4	MJB355MA4
Stand By Power	kVA	560	625	750	750
Power Factor		0,8	0,8	0,8	0,8
Efficiency	%	94,0	94,6	94,7	94,7
Number of Bearing		Single	Single	Single	Single
Leads Number		12	12	12	12
Voltage	V	230/400	230/400	230/400	230/400
Voltage Regulation Accuracy		±1%	±1%	±1%	±1%
Frequence	Hz	50	50	50	50
Insulation Class		H	H	H	H
Protection		IP23	IP23	IP23	IP23
Excitation System		Brushless, AVR	Brushless, AVR	Brushless, AVR	Brushless, AVR
Connection		Star	Star	Star	Star

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