



TEKSAN DIESEL GENERATING SET

230 V - 1 ph and 230/400 V - 3 ph
1500 / 3000 rpm

GEN-SET MODEL		TJ9MS	TJ10MS	TJ11MS	TJ15MS	TJ16MS
GEN-SET POWER RATING						
*Stand-by Power	kVA	9 (kW)	10	11	15,5	16
**Prime Power	kVA	8 (kW)	8	10	13	15
* Standby Power available a variable load in the event of a main power network failure. No overload is permitted						
** Prime Power available at variable load in lieu of main power network. An overload of 10% is permitted for one hour in every twelve hours of operation						
DIMENSIONS W x L x H						
Open Skid	mm	700x1300x870	700x1300x870	700x1300x870	700x1300x820	700x1300x820
Canopied	mm	700x1300x1050	700x1300x1050	700x1300x1050	700x1300x1050	700x1300x1050
FUEL TANK CAPACITY						
Open Skid	lt	39	39	39	39	39
Canopied	lt	39	39	39	39	39
WEIGHT						
Open Skid	kg	500	490	510	540	580
Canopied	kg	600	580	605	645	690
ENGINE						
Manufacturer		MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI
Origin		JAPAN	JAPAN	JAPAN	JAPAN	JAPAN
Model		S3L2 61SD	L2E 61SDH	S3L2 61SD	L3E 61SDH	S4L2 61SD
Governor Type		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Speed		1500	3000	1500	3000	1500
Net Stand-by Power	kWm	10,8	9,5	10,8	14,6	15,1
Net Prime Power	kWm	9,7	8,1	9,7	12,5	13,7
Cylinder number and config.		In line - 3	In line - 2	In line - 3	In line - 3	In line - 4
Bore/Stroke	mm	78 x 92	76 x 70	78 x 92	76 x 70	78 x 92
Displacement	lt	1,318	0,635	1,318	0,695	1,758
Compression ratio		22	23	22	23	22
Aspiration		Naturally aspirated	Naturally aspirated	Naturally aspirated	Naturally aspirated	Naturally aspirated
Cooling		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Electrical system	V	12	12	12	12	12
Fuel Consumption at full load	lt/h	2,9	2,6	2,9	2,6	4,1
Lub.Oil Capacity	lt	3,7	2,4	3,7	2,4	6,0
Coolant Capacity with radiator	lt	4,2	2,75	4,2	4,0	4,9
ALTERNATOR						
Manufacturer		SINCRO	SINCRO	SINCRO	SINCRO	MARELLI
Origin		ITALY	ITALY	ITALY	ITALY	ITALY
Model		FK4 MDA	ET2 LBR	FT4 MDR	FT2 MBR	MJB160SA4
Stand By Power	kVA	11	11	14	17	19
Power Factor		1,0	0,8	0,8	0,8	0,8
Efficiency	%	81,0	83,0	83,0	85,0	85,6
Number of Bearing		Single	Single	Single	Single	Single
Voltage	V	230	230/400	230/400	230/400	230/400
Voltage Regulation Accuracy		±2%	±2%	±2%	±2%	±1%
Frequency	Hz	50	50	50	50	50
Insulation Class		H	H	H	H	H
Protection		IP23	IP21	IP23	IP23	IP23
Excitation System		Brushes, AVR	Brushes, AVR	Brushes, AVR	Brushes, AVR	Brushless, AVR

All ratings data based on operation under ISO 8528 conditions using typical fan sizes and drive ratios. For operation outside of these conditions please consult to Teksan
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230/400 V 50 Hz - 1500 / 3000 rpm

GEN-SET MODEL		TJ20MS	TJ24MS	TJ27MS	TJ34MS	TJ45MS
GEN-SET POWER RATING						
*Stand-by Power	kVA	20	24	27	34	45
**Prime Power	kVA	17,5	21	23	30	41
* Standby Power available a variable load in the event of a main power network failure. No overload is permitted						
** Prime Power available at variable load in lieu of main power network. An overload of 10% is permitted for one hour in every twelve hours of operation						
DIMENSIONS W x L x H						
Open Skid	mm	700x1300x870	700x1300x905	700x1300x820	750x1700x1100	750x1700x1150
Canopied	mm	700x1300x1050	700x1300x1050	700x1300x1050	900x2200x1570	900x2200x1570
FUEL TANK CAPACITY						
Open Skid	lt	39	39	39	95	95
Canopied	lt	39	39	39	95	95
WEIGHT						
Open Skid	kg	520	550	590	660	720
Canopied	kg	620	650	700	780	850
ENGINE						
Manufacturer		MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI
Origin		JAPAN	JAPAN	JAPAN	JAPAN	JAPAN
Model		S3L2 61SDH	S4Q2 61SD	S4L2 61SDH	S4S 61SD	S4S Y162SD
Governor Type		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Speed		3000	1500	3000	1500	1500
Net Stand-by Power	kWm	19,3	21,5	25,1	30,5	40,5
Net Prime Power	kWm	16,6	19,6	21,6	27,6	36,8
Cylinder number and config.		In line - 3	In line - 4	In line - 4	In line - 4	In line - 4
Bore/Stroke	mm	78 x 92	88 x 103	78 x 92	94 x 120	94 x 120
Displacement	lt	1,318	2,505	1,758	3,331	3,331
Compression ratio		22	22	22	22	22
Aspiration		Naturally aspirated	Naturally aspirated	Naturally aspirated	Naturally aspirated	Turbocharged
Cooling		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Electrical system	V	12	12	12	12	12
Fuel Consumption at full load	lt/h	5,5	6,0	6,4	8,5	10,2
Lub.Oil Capacity	lt	3,7	6,5	6,0	10,0	10
Coolant Capacity with radiator	lt	4,2	8,1	4,9	5,5	5,5
ALTERNATOR						
Manufacturer		SINCRO	MARELLI	SINCRO	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY	ITALY	ITALY
Model		HB2 SA	MJB160SC4	HB2 CA	MJB160MB4	MJB200SA4
Stand By Power	kVA	21	25	70	35	45
Power Factor		0,8	0,8	0,8	0,8	0,8
Efficiency	%	84,5	87,5	89,5	88,3	88,5
Number of Bearing		Single	Single	Single	Single	Single
Voltage	V	230/400	230/400	230/400	230/400	230/400
Voltage Regulation Accuracy		±1%	±1%	±1%	±1%	±1%
Frequency	Hz	50	50	50	50	50
Insulation Class		H	H	H	H	H
Protection		IP21	IP23	IP21	IP23	IP23
Excitation System		Brushless, AVR	Brushless, AVR	Brushless, AVR	Brushless, AVR	Brushless, AVR

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GEN-SET MODEL		TJ1155MS	TJ1425MS	TJ1540MS
GEN-SET POWER RATING				
*Stand-by Power	kVA	1155	1425	1540
**Prime Power	kVA	1050	1293	1397
* Standby Power available a variable load in the event of a main power network failure. No overload is permitted				
** Prime Power available at variable load in lieu of main power network. An overload of 10% is permitted for one hour in every twelve hours of operation				
DIMENSIONS W x L x H				
Open Skid	mm	2000x4500x2370	2000x4600x2370	2000x4600x2370
Canopied	mm	2438x6058x2900	2438x6058x2900	2438x6058x2900
FUEL TANK CAPACITY				
Open Skid	lt	2000	2400	2500
Canopied	lt	2000	2400	2500
WEIGHT				
Open Skid	kg	9000	9800	10200
Canopied	kg	13700	14500	15100
ENGINE				
Manufacturer		MITSUBISHI	MITSUBISHI	MITSUBISHI
Origin		FRANCE	FRANCE	FRANCE
Model		S12H PTA	S12R PTA	S12R PTA2
Governor Type		Electronic	Electronic	Electronic
Speed		1500	1500	1500
Net Stand-by Power	kWm	980	1190	1285
Net Prime Power	kWm	890	1080	1165
Cylinder number and config.		V - 12	V - 12	V - 12
Bore/Stroke	mm	150 x 175	170 x 180	170 x 180
Displacement	lt	37,11	49,03	49,03
Compression ratio		14	14	13,5
Aspiration		Turbocharged - Aftercooler	Turbocharged - Aftercooler	Turbocharged - Aftercooler
Cooling		Water Cooled	Water Cooled	Water Cooled
Electrical system	V	24	24	24
Fuel Consumption at full load	lt/h	220	260	282
Lub.Oil Capacity	lt	200	180	180
Coolant Capacity with radiator	lt	100	125	125
ALTERNATOR				
Manufacturer		MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY
Model		MJB400MB4	MJB400LB4	MJB450MB4
Stand By Power	kVA	1155	1430	1650
Power Factor		0,8	0,8	0,8
Efficiency	%	95,3	95,8	95,9
Number of Bearing		Single	Single	Single
Voltage	V	230/400	230/400	230/400
Voltage Regulation Accuracy		±1%	±1%	±1%
Frequency	Hz	50	50	50
Insulation Class		H	H	H
Protection		IP23	IP23	IP23
Excitation System		Brushless, AVR	Brushless, AVR	Brushless, AVR

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GEN-SET MODEL		TJ1915MS	TJ2120MS	TJ2280MS
GEN-SET POWER RATING				
*Stand-by Power	kVA	1912	2116	2278
**Prime Power	kVA	1744	1924	2025
* Standby Power available a variable load in the event of a main power network failure. No overload is permitted				
** Prime Power available at variable load in lieu of main power network. An overload of 10% is permitted for one hour in every twelve hours of operation				
DIMENSIONS W x L x H				
Open Skid	mm	2300x5000x2500	2300x5200x2500	2300x5800x2750
Canopied	mm	2438x12192x3100	2438x12192x3100	TBA
TBA: To be asked.				
FUEL TANK CAPACITY				
Open Skid	lt	3500	3500	4000
Canopied	lt	3500	3500	TBA
WEIGHT				
Open Skid	kg	12900	13400	15200
Canopied	kg	19200	20100	TBA
ENGINE				
Manufacturer		MITSUBISHI	MITSUBISHI	MITSUBISHI
Origin		FRANCE	FRANCE	FRANCE
Model		S16R PTA	S16R PTA2	S16R PTAA2
Governor Type		Electronic	Electronic	Electronic
Speed		1500	1500	1500
Net Stand-by Power	kWm	1590	1760	1895
Net Prime Power	kWm	1450	1600	1684
Cylinder number and config.		V - 16	V - 16	V - 16
Bore/Stroke	mm	170 x 180	170 x 180	170 x 180
Displacement	lt	65,37	65,37	65,37
Compression ratio		14	13,5	13,5
Aspiration		Turbocharged - Aftercooler	Turbocharged - Aftercooler	turbocharged - Air to air cooler
Cooling		Water Cooled	Water Cooled	Water Cooled
Electrical system	V	24	24	24
Fuel Consumption at full load	lt/h	342	398	408
Lub.Oil Capacity	lt	230	230	230
Coolant Capacity with radiator	lt	170	170	170
ALTERNATOR				
Manufacturer		MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY
Model		MJB450LB4	MJB500MB4	MJB500MB4
Stand By Power	kVA	2035	2370	2370
Power Factor		0,8	0,8	0,8
Efficiency	%	96,2	96,2	96,2
Number of Bearing		Single	Single	Single
Voltage	V	230/400	230/400	230/400
Voltage Regulation Accuracy		±1%	±1%	±1%
Frequency	Hz	50	50	50
Insulation Class		H	H	H
Protection		IP23	IP23	IP23
Excitation System		Brushless, AVR	Brushless, AVR	Brushless, AVR
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