



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

GEN-SET MODEL		TJ1035MT	TJ1120MT	TJ1450MT	TJ1600MT	TJ1750MT
GEN-SET POWER RATING						
*Stand-by Power	kVA	1035	1120	1430	1565	1720
**Prime Power	kVA	927	1020	1300	1423	1570
* Stand-by power 100% , which can be delivered during 500 running hrs per year ,thereof max. 300 running hrs per year continuously , no overload permissible.						
** Prime power 100%, permissible average power output equal to or below 60%, no time limitation plus 5% extra power for governing purposes.						
DIMENSIONS W x L x H						
Open Skid	mm	1750x4800x2300	1750x4800 x2300	2000x5250x2350	2000x5250x2350	2000x5250x2350
Canopied	mm	TBA	TBA	TBA	TBA	TBA
* Air Inlet & Outlet Ducks (Dismontable sections)						
FUEL TANK CAPACITY						
Open Skid	lt	1728	1728	1728	1728	1728
Canopied	lt	1728	1728	1728	1728	1728
TBA : to be asked						
WEIGHT						
Open Skid	kg	6600	8200	8600	9500	9800
Canopied	kg	TBA	TBA	TBA	TBA	TBA
ENGINE						
Manufacturer		MTU	MTU	MTU	MTU	MTU
Origin		Germany	Germany	Germany	Germany	Germany
Model		16V2000G63	18V2000G63	12V4000G21	12V4000G21	12V4000G61
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic
Speed	rpm	1500	1500	1500	1500	1500
Net Stand-by Power	kWm	895	985	1330	1330	1465
Net Prime Power	kWm	805	895	1205	1205	1330
Cylinder number and config.		V-16	V-18	V-12	V-12	V-12
Bore/Stroke	mm	130x150	130x150	165x190	165x190	165x190
Displacement	lt	31,84	35,8	48,7	48,7	48,7
Compression ratio		16	16	15,5	15,5	15,5
Aspiration		Turbocharged and Charge air cooled	Turbocharged and Charge air cooled	Turbocharged and Charge air cooled	Turbocharged and Charge air cooled	Turbocharged and Charge air cooled
Cooling		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Electrical system	V	24	24	24	24	24
Fuel Consumption						
% 100 load	lt/h	187	209	250	275	306
% 75 load	lt/h	139	157	187	206	227
% 50 load	lt/h	93	106	127	140	152
Lub.Oil Capacity	lt	110	110	260	260	260
Coolant Capacity with radiator	lt	110	120	200	200	200
ALTERNATOR						
Manufacturer		MARELLI	MARELLI	MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY	ITALY	ITALY
Model		MJB400MB4	MJB400MB4	MJB400LB4	MJB500SA4	MJB500SA4
Stand By Power	kVA	1150	1150	1430	1730	1730
Power Factor		0,8	0,8	0,8	0,8	0,8
Efficiency	%	95,2	95,2	95,6	95,2	95,2
Number of Bearing		Single	Single	Single	Single	Single
Leads Number		12	12	12	12	12
Voltage	V	230/400	230/400	230/400	230/400	230/400
Voltage Regulation Accuracy		±1%	±1%	±1%	±1%	±1%
Frequence	Hz	50	50	50	50	50
Insulation Class		H	H	H	H	H
Protection		IP23	IP23	IP23	IP23	IP23
Excitation System		Brushless, AVR	Brushless, AVR	Brushless, AVR	Brushless, AVR	Brushless, AVR
Connection		Star	Star	Star	Star	Star

All ratings data based on operation undr ISO 3046 conditions using typical fan sizes and drive ratios.For operation outside of these conditions please consult to Teksan.
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GEN-SET MODEL		TJ2100MT	TJ2300MT	TJ2700MT	TJ3125MT
GEN-SET POWER RATING					
*Stand-by Power	kVA	2025	2266	2700	3125
**Prime Power	kVA	1875	2059	2500	3000
* Stand-by power 100% , which can be delivered during 500 running hrs per year ,thereof max. 300 running hrs per year continuously , no overload permissible.					
** Prime power 100%, permissible average power output equal to or below 60%, no time limitation plus 5% extra power for governing purposes.					
DIMENSIONS W x L x H					
Open Skid	mm	2300x5400x2600	2300x5400x2600	2950x7500x2800	2950x7500x2800
Canopied	mm	TBA	TBA	TBA	TBA
* Air Inlet & Outlet Ducks (Dismontable sections)					
FUEL TANK CAPACITY					
Open Skid	lt	1728	1728	1728	1728
Canopied	lt	1728	1728	1728	1728
TBA : to be asked					
WEIGHT					
Open Skid	kg	12200	13000	18500	20000
Canopied	kg	TBA	TBA	TBA	TBA
ENGINE					
Manufacturer		MTU	MTU	MTU	MTU
Origin		Germany	Germany	Germany	Germany
Model		16V4000G21	16V4000G61	20V4000G22	20V4000G62
Governor Type		Electronic	Electronic	Electronic	Electronic
Speed	rpm	1500	1500	1500	1500
Net Stand-by Power	kWm	1760	1940	2420	2670
Net Prime Power	kWm	1600	1760	2200	2420
Cylinder number and config.		V-16	V-16	V-20	V-20
Bore/Stroke	mm	165x190	165x190	165x210	165x210
Displacement	lt	65	65	89,81	89,81
Compression ratio		15,5	15,5	15,5	15,5
Aspiration		Turbocharged and Charge air cooled	Turbocharged and Charge air cooled	Turbocharged and Charge air cooled	Turbocharged and Charge air cooled
Cooling		Water Cooled	Water Cooled	Water Cooled	Water Cooled
Electrical system	V	24	24	24	24
Fuel Consumption					
% 100 load	lt/h	362	400	500	556
% 75 load	lt/h	270	297	385	421
% 50 load	lt/h	184	199	266	289
Lub.Oil Capacity	lt	290	290	390	390
Coolant Capacity with radiator	lt	215	215	260	260
ALTERNATOR					
Manufacturer		MARELLI	MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY	ITALY
Model		MJB500SC4	MJB500MB4	MJB500LA4	MJB560LA4
Stand By Power	kVA	2025	2320	2700	3300
Power Factor		0,8	0,8	0,8	0,8
Efficiency	%	95,6	95,8	96	96,2
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

All ratings data based on operation undr ISO 3046 conditions using typical fan sizes and drive ratios. For operation outside of these conditions please consult to Teksan.
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