



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

GEN-SET MODEL		TJ100V	TJ110V	TJ150V
GEN-SET POWER RATING				
*Stand-by Power	kVA	94	110	142
**Prime Power	kVA	85	100	131
* For continuous operation and unlimited operating time under varying load factors.10% overload available for 1/12h Power definition acc.to ISO 8528				
** For operation under normal varying load factors during a power outage.Not overloadable				
DIMENSIONS W x L x H				
Open Skid	mm	750 x 2200 x 1450	750 x 2400 x 1450	750 x 2400 x 1500
Canopied	mm	1000x(2250+560)*x(1540+310*)	1000x(2500+560)*x(1540+310*)	1000x(2500+655)*x(1540+390*)
* Air Inlet & Outlet Ducks (Dismontable sections)				
FUEL TANK CAPACITY				
Open Skid	lt	130	130	130
Canopied	lt	160	160	160
WEIGHT				
Open Skid	kg	1220	1250	1440
Canopied	kg	1494	1448	TBA
TBA : to be asked				
ENGINE				
Manufacturer		VOLVO	VOLVO	VOLVO
Origin		SWEDEN	SWEDEN	SWEDEN
Model		TD520GE	TAD520GE	TD720GE
Governor Type		Mechanical	Mechanical	Mechanical
Speed	rpm	1500	1500	1500
Net Stand-by Power	kWm	85	97,8	125,5
Net Prime Power	kWm	75	89,8	114,5
Cylinder number and config.		In line - 4	In line - 4	In line - 6
Bore/Stroke	mm	108/130	108/130	108/130
Displacement	lt	4,76	4,76	7,15
Compression ratio		17,5	17,5	17,5
Aspiration		Turbocharger	Turbocharged & aftercooled	Turbocharger
Cooling		Water Cooled	Water Cooled	Water Cooled
Electrical system	V	12	12	12
Fuel Consumption				
% 100 load	lt/h	19,0	21,6	28,4
% 75 load	lt/h	14,4	16,4	21,3
% 50 load	lt/h	9,8	11,2	14,4
Lub.Oil Capacity	lt	13	13	20
Coolant Capacity with radiator	lt	17,5	19,7	22
ALTERNATOR				
Manufacturer		MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY
Model		MJB225MA4	MJB225MA4	MJB250MA4
Stand By Power	kVA	110	110	165
Power Factor		0,8	0,8	0,8
Number of Bearing		Single	Single	Single
Leads Number		12	12	12
Voltage	V	230/400	230/400	230/400
Voltage Regulation Accuracy		±1%	±1%	±1%
Frequence	Hz	50	50	50
Insulation Class		H	H	H
Protection		IP23	IP23	IP23
Excitation System		Brushless, AVR	Brushless, AVR	Brushless, AVR
Connection		Star	Star	Star

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GEN-SET MODEL		TJ170V	TJ200V	TJ225V
GEN-SET POWER RATING				
*Stand-by Power	kVA	165	200	225
**Prime Power	kVA	150	180	200
* For continuous operation and unlimited operating time under varying load factors.10% overload available for 1/12h Power definition acc.to ISO 8528				
** For operation under normal varying load factors during a power outage.Not overloadable				
DIMENSIONS W x L x H				
Open Skid	mm	900 x 2800 x 1500	1000 x 2800 x 1600	1000 x 2800 x 1700
Canopied	mm	1100x(3000+755)x(1700+390')	1200x(3000+755)x(1900+510')	1200x(3000+750)x(1800+470')
* Air Inlet & Outlet Ducks (Dismontable sections)				
FUEL TANK CAPACITY				
Open Skid	lt	240	360	360
Canopied	lt	310	460	460
WEIGHT				
Open Skid	kg	1580	1770	1820
Canopied	kg	2166	2480	TBA
TBA : to be asked				
ENGINE				
Manufacturer		VOLVO	VOLVO	VOLVO
Origin		SWEDEN	SWEDEN	SWEDEN
Model		TAD720GE	TWD710G	TWD740GE
Governor Type		Mechanical	Mechanical	Electronic
Speed	rpm	1500	1500	1500
Net Stand-by Power	kWm	149,2	179	199
Net Prime Power	kWm	136,2	158	181
Cylinder number and config.		In line - 6	In line - 6	In line - 6
Bore/Stroke	mm	108/130	104,77/130	107/135
Displacement	lt	7,15	6,73	7,28
Compression ratio		17,5	14,5	17,2
Aspiration		Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled
Cooling		Water Cooled	Water Cooled	Water Cooled
Electrical system	V	12	24	24
Fuel Consumption				
% 100 load	lt/h	31,0	39,3	43,7
% 75 load	lt/h	24,0	30,0	34,2
% 50 load	lt/h	16,5	20,8	23,5
Lub.Oil Capacity	lt	20	29	29
Coolant Capacity with radiator	lt	23,7	41,9	41,9
ALTERNATOR				
Manufacturer		MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY
Model		MJB250MA4	MJB250MB4	MJB250LA4
Stand By Power	kVA	165	200	230
Power Factor		0,8	0,8	0,8
Number of Bearing		Single	Single	Single
Leads Number		12	12	12
Voltage	V	230/400	230/400	230/400
Voltage Regulation Accuracy		±1%	±1%	±1%
Frequence	Hz	50	50	50
Insulation Class		H	H	H
Protection		IP23	IP23	IP23
Excitation System		Brushless, AVR	Brushless, AVR	Brushless, AVR
Connection		Star	Star	Star

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

GEN-SET MODEL		TJ275V	TJ305V	TJ360V
GEN-SET POWER RATING				
*Stand-by Power	kVA	275	305	358
**Prime Power	kVA	250	277	325
* For continuous operation and unlimited operating time under varying load factors.10% overload available for 1/12h Power definition acc.to ISO 8528				
** For operation under normal varying load factors during a power outage.Not overloadable				
DIMENSIONS W x L x H				
Open Skid	mm	1000 x 3000 x 1700	1000 x 3200 x 1800	1000 x 3200 x 1800
Canopied	mm	1200x(3200+750*)x(1800+470*)	1200+(3200+860*)+(1900+510*)	1200+(3200+860*)+(1900+510*)
* Air Inlet & Outlet Ducks (Dismontable sections)				
FUEL TANK CAPACITY				
Open Skid	lt	360	480	480
Canopied	lt	480	540	540
WEIGHT				
Open Skid	kg	2030	2150	2480
Canopied	kg	TBA	TBA	TBA
TBA : to be asked				
ENGINE				
Manufacturer		VOLVO	VOLVO	VOLVO
Origin		SWEDEN	SWEDEN	SWEDEN
Model		TAD740GE	TAD940GE	TAD941GE
Governor Type		Electronic	Electronic	Electronic
Speed	rpm	1500	1500	1500
Net Stand-by Power	kWm	242	265	308
Net Prime Power	kWm	220	240	279
Cylinder number and config.		In line - 6	In line - 6	In line - 6
Bore/Stroke	mm	107/135	120/138	120/138
Displacement	lt	7,28	9,36	9,36
Compression ratio		17,2	20,2	17,4
Aspiration		Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled
Cooling		Water Cooled	Water Cooled	Water Cooled
Electrical system	V	24	24	24
Fuel Consumption				
% 100 load	lt/h	52,4	57,0	67,0
% 75 load	lt/h	40,0	42,2	49,0
% 50 load	lt/h	26,9	29,4	34,0
Lub.Oil Capacity	lt	29	33	33
Coolant Capacity with radiator	lt	36,9	41	41
ALTERNATOR				
Manufacturer		MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY
Model		MJB250LB4	MJB315SA4	MJB315SB4
Stand By Power	kVA	275	330	380
Power Factor		0,8	0,8	0,8
Number of Bearing		Single	Single	Single
Leads Number		12	12	12
Voltage	V	230/400	230/400	230/400
Voltage Regulation Accuracy		±1%	±1%	±1%
Frequence	Hz	50	50	50
Insulation Class		H	H	H
Protection		IP23	IP23	IP23
Excitation System		Brushless, AVR	Brushless, AVR	Brushless, AVR
Connection		Star	Star	Star

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GEN-SET MODEL		TJ415V	TJ440V	TJ500V
GEN-SET POWER RATING				
*Stand-by Power	kVA	412	440	500
**Prime Power	kVA	375	400	450
* For continuous operation and unlimited operating time under varying load factors.10% overload available for 1/12h Power definition acc.to ISO 8528				
** For operation under normal varying load factors during a power outage.Not overloadable				
DIMENSIONS W x L x H				
Open Skid	mm	1100 x 3500 x 1900	1100 x 3500 x 1900	1200 x 3700 x 2000
Canopied	mm	1250x(3600+1005*)x(2100+500*)	1250x(3600+1005*)x(2100+500*)	1400x(3800+1095*)x(2100+590*)
* Air Inlet & Outlet Ducks (Dismontable sections)				
FUEL TANK CAPACITY				
Open Skid	lt	480	590	590
Canopied	lt	540	700	700
WEIGHT				
Open Skid	kg	3050	3120	3330
Canopied	kg	TBA	TBA	TBA
TBA : to be asked				
ENGINE				
Manufacturer		VOLVO	VOLVO	VOLVO
Origin		SWEDEN	SWEDEN	SWEDEN
Model		TAD1241GE	TAD1242GE	TAD1630GE
Governor Type		Electronic	Electronic	Electronic
Speed	rpm	1500	1500	1500
Net Stand-by Power	kWm	354	387	440
Net Prime Power	kWm	323	352	400
Cylinder number and config.		In line - 6	In line - 6	In line - 6
Bore/Stroke	mm	131/150	131/150	144/165
Displacement	lt	12,13	12,13	16,12
Compression ratio		17,5	17,5	15
Aspiration		Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled
Cooling		Water Cooled	Water Cooled	Water Cooled
Electrical system	V	24	24	24
Fuel Consumption				
% 100 load	lt/h	76,5	83,0	99,5
% 75 load	lt/h	56,2	61,3	72,5
% 50 load	lt/h	38,3	41,7	50,3
Lub.Oil Capacity	lt	35	35	64
Coolant Capacity with radiator	lt	44	44	60
ALTERNATOR				
Manufacturer		MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY
Model		MJB315MA4	MJB315MA4	MJB315MB4
Stand By Power	kVA	440	440	500
Power Factor		0,8	0,8	0,8
Number of Bearing		Single	Single	Single
Leads Number		12	12	12
Voltage	V	230/400	230/400	230/400
Voltage Regulation Accuracy		±1%	±1%	±1%
Frequence	Hz	50	50	50
Insulation Class		H	H	H
Protection		IP23	IP23	IP23
Excitation System		Brushless, AVR	Brushless, AVR	Brushless, AVR
Connection		Star	Star	Star

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GEN-SET MODEL		TJ550V	TJ600V	TJ630V
GEN-SET POWER RATING				
*Stand-by Power	kVA	550	600	630
**Prime Power	kVA	500	550	570
* For continuous operation and unlimited operating time under varying load factors.10% overload available for 1/12h Power definition acc.to ISO 8528				
** For operation under normal varying load factors during a power outage.Not overloadable				
DIMENSIONS W x L x H				
Open Skid	mm	1200 x 3700 x 2000	1200 x 3700 x 2000	1200 x 3700 x 2000
Canopied	mm	1400x(3800+1095*)x(2100+590*)	1400x(3800+1095*)x(2100+590*)	1400x(3800+1095*)x(2100+590*)
* Air Inlet & Outlet Ducks (Dismontable sections)				
FUEL TANK CAPACITY				
Open Skid	lt	590	590	590
Canopied	lt	700	700	700
WEIGHT				
Open Skid	kg	3570	3850	4100
Canopied	kg	TBA	TBA	TBA
TBA : to be asked				
ENGINE				
Manufacturer		VOLVO	VOLVO	VOLVO
Origin		SWEDEN	SWEDEN	SWEDEN
Model		TAD1631GE	TAD1642GE	TAD1642GE
Governor Type		Electronic	Electronic	Electronic
Speed	rpm	1500	1500	1500
Net Stand-by Power	kWm	478,0	536	536
Net Prime Power	kWm	435,0	485	485
Cylinder number and config.		In line - 6	In line - 6	In line - 6
Bore/Stroke	mm	144/165	144/165	144/165
Displacement	lt	16,12	16,12	16,12
Compression ratio		15,0	16,5	16,5
Aspiration		Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled
Cooling		Water Cooled	Water Cooled	Water Cooled
Electrical system	V	24	24	24
Fuel Consumption				
% 100 load	lt/h	108,2	111,0	115,0
% 75 load	lt/h	80,0	82,0	84,0
% 50 load	lt/h	54,7	56,0	58,0
Lub.Oil Capacity	lt	64	42	42
Coolant Capacity with radiator	lt	64	60	60
ALTERNATOR				
Manufacturer		MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY
Model		MJB355SA4	MJB355SB4	MJB355MA4
Stand By Power	kVA	550	600	725
Power Factor		0,8	0,8	0,8
Number of Bearing		Single	Single	Single
Leads Number		12	12	12
Voltage	V	230/400	230/400	230/400
Voltage Regulation Accuracy		±1%	±1%	±1%
Frequence	Hz	50	50	50
Insulation Class		H	H	H
Protection		IP23	IP23	IP23
Excitation System		Brushless, AVR	Brushless, AVR	Brushless, AVR
Connection		Star	Star	Star

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