



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

GEN-SET MODEL		TJ40CM	TJ55CM	TJ70CM	TJ90CM	TJ116CM
GEN-SET POWER RATING						
*Stand-by Power	kVA	40	53	68	89	116
**Prime Power	kVA	35	48	62	80	105
* Stand-by power 100% is applicable for supplying emergency power for the duration of the utility power outage, no overload permissible. A stand-by rated Geneset should be sized for a maximum of an 80 % average load factor and 200 hrs of operation per year						
** Prime power is available for an unlimited number of hours per year in a variable load application. Variable load should exceed a 70 % average of the prime power during any operating of 250 hours , total operating time at 100 % prime power shall not exceed 500 hours per year						
DIMENSIONS W x L x H						
Open Skid	mm	750x1850x1220	750x1850x1220	750x1850x1190	750x2200x1600	750x2400x1215
Canopied	mm	900x2600x1570	900x2600x1570	900x2600x1570	1000x3250x1700	1000x3250x1700
FUEL TANK CAPACITY						
Open Skid	lt	119	119	119	139	139
Canopied	lt	120	120	120	168	168
TBA : to be asked						
WEIGHT						
Open Skid	kg	660	670	761	811	1250
Canopied	kg	967	977	1068	1236	1670
ENGINE						
Manufacturer		CUMMINS	CUMMINS	CUMMINS	CUMMINS	CUMMINS
Origin		UK	UK	UK	UK	UK
Model		4B3.3-G1	4BT3.3-G2	4BT3.9-G4	4BTA3.9-G3	6BT5.9-G6
Governor Type		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Speed	rpm	1500	1500	1500	1500	1500
Net Stand-by Power	kWm	36	50	61	78	104
Net Prime Power	kWm	32	46	55	70	94
Cylinder number and config.		In line-4	In line-4	In line-4	In line-4	In line-6
Bore/Stroke	mm	95x115	95x115	102x120	102x120	102x120
Displacement	lt	3,3	3,3	3,92	3,92	5,9
Compression ratio		18,2	17,0	16,5	16,5	16,5
Aspiration		Naturally aspirated	Turbocharged	Turbocharged	Turbocharged & aftercooled	Turbocharged
Cooling		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Electrical system	V	12	12	12	12	12
Fuel Consumption						
% 100 load	lt/h	9,7	11,5	15,0	18,0	24,0
% 75 load	lt/h	7,1	8,4	12,0	14,0	18,0
% 50 load	lt/h	5,7	5,9	8,0	9,0	13,0
Lub.Oil Capacity	lt	7,5	8,0	10,9	10,9	16,4
Coolant Capacity with radiator	lt	14,0	16,0	20,2	19,9	24,1
ALTERNATOR						
Manufacturer		MARELLI	MARELLI	MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY	ITALY	ITALY
Model		MJB200SA4	MJB200SB4	MJB200MA4	MJB225SA4	MJB225MA4
Stand By Power	kVA	46	53	68	94	116
Power Factor		0,8	0,8	0,8	0,8	0,8
Efficiency	%	88,5	88,7	90,1	91,0	91,8
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%
Frequency	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

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GEN-SET MODEL		TJ150CM	TJ200CM	TJ225CM	TJ260CM	TJ330CM
GEN-SET POWER RATING						
*Stand-by Power	kVA	145	203	225	255	330
**Prime Power	kVA	132	184	202	226	300
* Stand-by power 100% is applicable for supplying emergency power for the duration of the utility power outage, no overload permissible. A stand-by rated Genset should be sized for a maximum of an 80 % average load factor and 200 hrs of operation per year						
** Prime power is available for an unlimited number of hours per year in a variable load application. Variable load should exceed a 70 % average of the prime power during any operating of 250 hours , total operating time at 100 % prime power shall not exceed 500 hours per year						
DIMENSIONS W x L x H						
Open Skid	mm	1000x2800x1490	1000x2800x1490	1000x2800x1475	1100x3000x1750	1100x3000x1800
Canopied	mm	1000x4000x1950	1000x4000x1950	1000x4000x1950	1000x4000x1950	1000x4000x1950
FUEL TANK CAPACITY						
Open Skid	lt	290	290	290	413	413
Canopied	lt	416	416	416	416	416
WEIGHT						
Open Skid	kg	1340	1600	1695	1895	2015
Canopied	kg	1980	2240	2335	2535	2655
ENGINE						
Manufacturer		CUMMINS	CUMMINS	CUMMINS	CUMMINS	CUMMINS
Origin		UK	UK	UK	UK	UK
Model		6CT8.3-G2	6CTA8.3-G2	6CTAA8.3-G2	QSL9-G2	QSL9-G5
Governor Type		Mechanical	Mechanical	Mechanical	Electronic/A1	Electronic/A1
Speed	rpm	1500	1500	1500	1500	1500
Net Stand-by Power	kWm	130	175	193	231	310
Net Prime Power	kWm	117	158	173	204	268
Cylinder number and config.		In line-6	In line-6	In line-6	In line-6	In line-6
Bore/Stroke	mm	114x135	114x135	114x135	114x145	114x145
Displacement	lt	8,3	8,3	8,3	8,8	8,8
Compression ratio		16,8	16,8	16,8	16,8	16,8
Aspiration		Turbocharged	Turbocharged & aftercooled	Turbocharged & Charge Air Cooled	Turbocharged & Charge Air Cooled	Turbocharged & Charge Air Cooled
Cooling		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Electrical system	V	12	24	24	24	24
Fuel Consumption						
% 100 load	lt/h	30	40	46	64	75
% 75 load	lt/h	23	30	34	51	55
% 50 load	lt/h	15	20	23	35	36
Lub.Oil Capacity	lt	23,8	23,8	23,8	26,5	26,5
Coolant Capacity with radiator	lt	35	35	36,3		
ALTERNATOR						
Manufacturer		MARELLI	MARELLI	MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY	ITALY	ITALY
Model		MJB225LA4	MJB250MB4	MJB250LA4	MJB250LB4	MJB315SA4
Stand By Power	kVA	145	205	240	275	330
Power Factor		0,8	0,8	0,8	0,8	0,8
Efficiency	%	92,2	93,0	93,2	93,4	93,1
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%
Frequency	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

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GEN-SET MODEL		TJ350CM	TJ400CM	TJ500CM	TJ560CM	TJ700CM
GEN-SET POWER RATING						
Stand-by Power	kVA	351	400	500	560	700
Prime Power	kVA	316	360	450	503	637
* Stand-by power 100% is applicable for supplying emergency power for the duration of the utility power outage, no overload permissible. A stand-by rated Genset should be sized for a maximum of an 80 % average load factor and 200 hrs of operation per year						
** Prime power is available for an unlimited number of hours per year in a variable load application. Variable load should exceed a 70 % average of the prime power during any operating of 250 hours , total operating time at 100 % prime power shall not exceed 500 hours per year						
DIMENSIONS W x L x H						
Open Skid	mm	1200x3000x1855	1200x3000x1855	1500x3700x1964	1400x3700x2964	1500x4000x2070
Canopied	mm	1650x4500x2250	1650x4500x2250	1650x5000x2250	1650x5000x2250	1700x5092x2810
FUEL TANK CAPACITY						
Open Skid	lt	447	447	603	776	1077
Canopied	lt	650	650	828	776	1104
WEIGHT						
Open Skid	kg	3350	3535	3535	4030	6750
Canopied	kg	4050	4250	4250	4750	7800
ENGINE						
Manufacturer		CUMMINS	CUMMINS	CUMMINS	CUMMINS	CUMMINS
Origin		UK	UK	UK	UK	UK
Model		NT855-G6	NTA855-G4	QSX15-G6	QSX15-G8	VTA28-G5
Governor Type		Electronic/A1	Electronic/A1	Electronic/A1	Electronic/A1	Electronic/A1
Speed	rpm	1500	1500	1500	1500	1500
Net Stand-by Power	kWm	301	341	441	482	590
Net Prime Power	kWm	271	307	396	426	538
Cylinder number and config.		In line-6	In line-6	In line-6	In line-6	V-12
Bore/Stroke	mm	140x152	140x152	137x169	137x169	140x152
Displacement	lt	14	14	15	15	28
Compression ratio		14	14	17	17	13
Aspiration		Turbocharged	Turbocharged & aftercooled	Turbocharged & Charge Air Cooled	Turbocharged & Charge Air Cooled	Turbocharged & aftercooled
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	69	76	97,6	102	140
% 75 load	lt/h	52	57	75,2	77,5	104
% 50 load	lt/h	36	38	53,4	53,4	73
Lub.Oil Capacity	lt	38,6	38,6	91,0	91,0	83
Coolant Capacity with radiator	lt	76	59,8	88,0	88,0	169
ALTERNATOR						
Manufacturer		MARELLI	MARELLI	MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY	ITALY	ITALY
Model		MJB315SB4	MJB315MA4	MJB315MB4	MJB355SA4	MJB355MA4
Stand By Power	kVA	385	450	500	560	750
Power Factor		0,8	0,8	0,8	0,8	0,8
Efficiency	%	93,4	93,7	94,0	94,0	94,7
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%
Frequency	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

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GEN-SET MODEL		TJ880CM	TJ1025CM	TJ1135CM	TJ1130CM	TJ1450CM
GEN-SET POWER RATING						
Stand-by Power	kVA	880	1025	1133	1129	1430
Prime Power	kVA	800	935	1026	1022	1286
* Stand-by power 100% is applicable for supplying emergency power for the duration of the utility power outage, no overload permissible. A stand-by rated Genset should be sized for a maximum of an 80 % average load factor and 200 hrs of operation per year						
** Prime power is available for an unlimited number of hours per year in a variable load application. Variable load should exceed a 70 % average of the prime power during any operating of 250 hours , total operating time at 100 % prime power shall not exceed 500 hours per year						
DIMENSIONS W x L x H						
Open Skid	mm	1700x4350x2265	1500x4100x2100	1750x4120x2358	1780x4100x2360	1780x4890x2425
Canopied	mm	2438x6058x2700	2438x6058x2700	2438x6058x2700	2438x6058x2700	2438x6058x2700
FUEL TANK CAPACITY (Free standing type fuel tank)						
Open Skid	lt	1500	1500	2000	2000	2000
Canopied	lt	1500	1500	2000	2000	2000
WEIGHT						
Open Skid	kg	7000	7200	7450	8500	9870
Canopied	kg	11300	11500	11750	13200	14100
ENGINE						
Manufacturer		CUMMINS	CUMMINS	CUMMINS	CUMMINS	CUMMINS
Origin		UK	UK	UK	UK	UK
Model		QSK23-G3	QST30-G3	QST30-G4	KTA38-G5	KTA50-G3
Governor Type		Electronic/A1	Electronic/A1	Electronic/A1	Electronic/A1	Electronic/A1
Speed	rpm	1500	1500	1500	1500	1500
Net Stand-by Power	kWm	747	875	951	948	1204
Net Prime Power	kWm	682	786	861	858	1074
Cylinder number and config.		In line-6	V-12	V-12	V-12	V-16
Bore/Stroke	mm	170x170	140X165	140X165	159x159	159x159
Displacement	lt	23,15	30,48	30,48	38	50,3
Compression ratio		16	14	14	14	14
Aspiration		Turbocharged & Air to Air Aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled	Turbocharged & aftercooled
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	189	184	202	209	261
% 75 load	lt/h	139	139	151	161	199
% 50 load	lt/h	97	94	102	113	139
Lub.Oil Capacity	lt	95	154	154	135	177
Coolant Capacity with radiator	lt	131,5	295	295	334	407,5
ALTERNATOR						
Manufacturer		MARELLI	MARELLI	MARELLI	MARELLI	MARELLI
Origin		ITALY	ITALY	ITALY	ITALY	ITALY
Model		MJB355MB4	MJB400MA4	MJB400MB4	MJB400MB4	MJB400LB4
Stand By Power	kVA	880	1025	1155	1155	1430
Power Factor		0,8	0,8	0,8	0,8	0,8
Efficiency	%	95,0	95,2	95,3	95,3	95,8
Number of Bearing		Single	Single	Single	Single	Single
Leads Number		6	6	6	6	6
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		IP23	IP23	IP23	IP23	IP23
Excitation System		Brushless, AVR	Brushless, AVR	Brushless, AVR	Brushless, AVR	Brushless, AVR
Connection		Star	Star	Star	Star	Star

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GEN-SET MODEL		TJ1650CM	TJ2100CM	TJ2260CM	
GEN-SET POWER RATING					
Stand-by Power	kVA	1650	2080	2261	
Prime Power	kVA	1500	1900	2038	
* Stand-by power 100% is applicable for supplying emergency power for the duration of the utility power outage, no overload permissible. A stand-by rated Genset should be sized for a maximum of an 80 % average load factor and 200 hrs of operation per year					
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DIMENSIONS W x L x H					
Open Skid	mm	2000x5332x2400	2000x6320x2610	2000x6320x2610	
Canopied	mm	2438x9100x3100	TBA	TBA	
FUEL TANK CAPACITY (Free standing type fuel tank)					
Open Skid	lt	2500	3000	3500	
Canopied	lt	2500	3000	3500	
WEIGHT					
Open Skid	kg	11250	16250	16650	
Canopied	kg	16750	TBA	TBA	
ENGINE					
Manufacturer		CUMMINS	CUMMINS	CUMMINS	
Origin		UK	UK	UK	
Model		KTA50-G8	QSK60-G3	QSK60-G4	
Governor Type		Electronic/A1	Electronic/A1	Electronic/A1	
Speed	rpm	1500	1500	1500	
Net Stand-by Power	kWm	1397	1755	1880	
Net Prime Power	kWm	1168	1580	1695	
Cylinder number and config.		V-16	V-16	V-16	
Bore/Stroke	mm	159x159	159x190	159x190	
Displacement	lt	50,3	60,2	60,2	
Compression ratio		14,9	14,5	14,5	
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	289	356	400	
% 75 load	lt/h	222	263	307	
% 50 load	lt/h	155	189	217	
Lub.Oil Capacity	lt	204	280	280	
Coolant Capacity with radiator	lt	400	451	451	
ALTERNATOR					
Manufacturer		MARELLI	MARELLI	MARELLI	
Origin		ITALY	ITALY	ITALY	
Model		MJB450MB4	MJB500SC4	MJB500MB4	
Stand By Power	kVA	1650	2080	2370	
Power Factor		0,8	0,8	0,8	
Efficiency	%	95,9	96,1	96,2	
Number of Bearing		Single	Single	Single	
Leads Number		6	6	6	
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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