



ENERGY SOLUTIONS

***STEMAC***  
**GENERATOR SETS**

## Infrastructure and Technology

STEMAC, national leader in manufacturing and sales of generator sets, designs and provides energy solutions through a large customers service system, with 35 strategically located branches spread through Brazil. STEMAC has also built an international net of partners to help ensuring quality and the technological update of it's products.



Generator Set Assembly Line



Switchgear Manufacturing - Shop



Frame and Container Press



Test Rooms



- More than 2.300 employees;
- Over 440.000 ft<sup>2</sup> at the Headquarters plant over 230.000 ft<sup>2</sup> at the 35 branches;
- More than 170 engineers and project developers;
- Partnership with the world's largest manufacturers on diesel and gas;
- More than 60.000 generator sets sold;
- More than 5.000 companies operating with generator sets at peak shaving;
- More than 450 specialized, factory-trained technicians;
- More than 3.000 generator sets with preventive maintenance contracts.

Headquarters - Porto Alegre



## Power Panels and Microprocessor Controllers

STEMAC provides reliable solutions for manufacturing and installation of power generation systems, using low and medium voltage. The system's reliability is ensured by the ability of the microprocessor controllers to perform the required function with top-notch technology, which could be associated to Programmable Logic Controllers (PLC) in their many configurations.



Engineering



Services & Parts - Help Desk



Training Center



Parts Distribution Warehouse



Deep Sea - Microprocessor Controller



Automatic Transfer Switches

## Housings and Silent Gensets

The containers enable the swift installment of the equipment, construction is not necessary and there is an option of mobility in case of rearrangement. STEMAC's silent containers have four levels: SL 85 dB(A) at 1.5m, SL Plus 75 dB(A) at 7m, SSL 75 dB(A) at 1.5m and SSL Plus 65 dB(A) at 7m.



Housing, Silent and Super - Silent Gensets



Mobile Units



Housing, Silent and Super - Silent ISO Containers



# Diesel Gensets STEMAC

## 50 Hz

Standby		Prime		COP		Engine				Generator Set				
kVA	kWe	kVA	kWe	kVA	kWe	PS	RPM	Brand	Model	Cylinders Number	Dimensions (mm)			Weight (kg)
											Length	Width	Height	
32	25	30	24	28	22	41	1500	MWM International	D229-3	3	1635	909	1421	798
42	34	38	30	30	24	56	1500	Cummins	4B3.9-G2	4	1745	1065	1680	890
42	34	41	33	39	31	54	1500	MWM International	D229-4	4	1880	720	1170	893
60	48	55	44	54	43	83	1500	MWM International	D229-6	6	2150	720	1160	1193
68	54	64	51	62	50	83	1500	MWM International	D229-6	6	2150	720	1160	1247
70	56	63	50	42	34	88	1500	Cummins	4BT3.9-G4	4	1692	1084	1361	890
88	70	84	67	72	58	109	1500	MWM International	4.10T	4	2090	1070	1530	1078
89	71	87	70	82	66	110	1500	MWM International	TD229EC-6	6	2300	720	1310	1140
91	73	88	70	74	59	120	1500	MWM International	4.10TCA	4	2165	1050	1506	1275
109	87	102	82	92	74	140	1500	MTU - Mercedes	OM366-A	6	2120	890	1520	1105
119	95	107	86	61	49	145	1500	Cummins	6BT5.9-G6	6	2240	960	1400	1010
124	99	119	95	111	89	150	1500	MWM International	6.10T	6	2695	1020	1525	1643
132	106	121	97	110	88	165	1500	MTU - Mercedes	OM366-LA	6	2210	890	1520	1135
149	119	143	114	134	107	180	1500	MWM International	6.10TCA	6	2485	1020	1525	1709
151	120	136	108	NA	NA	183	1500	Cummins	6BTA5.9-G3	6	2140	990	1500	1135
175	140	160	129	142	114	213	1500	Cummins	6CTA8.3-G1	6	2720	960	1400	1530
205	164	185	148	118	94	249	1500	John Deere	6068HF120	6	2493	1080	1503	1568
209	167	183	146	148	118	245	1500	Cummins	6CTA8.3-G2	6	2480	1442	1550	1570
222	178	199	159	160	128	262	1500	MWM International	6.12TCA	6	2635	1267	1672	1785
222	178	199	159	160	128	276	1500	Cummins	6CTAA8.3-G1	6	2720	1472	1550	1764
230	184	207	166	161	129	293	1500	MTU - Mercedes	OM447-A	6	2846	1415	1929	2524
249	199	211	169	179	143	306	1500	John Deere	6081AF001	6	2562	1118	1503	1795
300	240	270	216	245	196	365	1500	MTU - Mercedes	OM447-LA507	6	2880	1552	1950	2650
329	263	303	242	212	170	397	1500	Scania	DC9 65A	5	2860	1170	1680	2350
347	278	312	250	256	205	421	1500	Cummins	NT855-G6	6	3260	1000	1800	2820
396	317	356	285	304	243	477	1500	Cummins	NTA855-G4	6	3290	1000	1900	3140
451	361	401	321	281	225	543	1500	Scania	DC12 60A	6	3140	1554	1865	2620
501	401	451	361	280	224	594	1500	Scania	DC12 60A	6	3268	1340	1813	2770
600	480	550	440	385	308	722	1500	Scania	DC16 48A	8V	3150	1167	1830	3065
700	560	630	504	441	353	834	1500	Volvo	TWD1643GE	6	3290	1390	2160	4350
700	560	650	520	500	400	844	1500	Perkins	2806A-E18TAG2	6	3246	1536	2116	4350
715	572	650	520	-	-	862	1500	MTU	12V1600G20F	12V	3324	1790	2025	4382
850	680	750	600	660	528	1015	1500	Mitsubishi	S12A2-PTA	12V	4570	1600	2150	8090
881	704	798	638	538	430	1044	1500	Cummins	QST30-G2	12V	4361	1743	2328	7973
882	706	801	641	582	466	1040	1500	MTU	12V2000G65	12V	4267	1580	2220	6500
1021	817	929	743	NA	NA	1210	1500	MTU	16V2000G25	16V	4720	1752	2222	8734
1123	898	1017	814	815	652	1319	1500	Cummins	QST30-G4	12V	4361	1980	2547	7973
1128	902	1029	823	738	590	1326	1500	MTU	16V2000G65	16V	4900	1752	2392	9190
1160	928	1050	840	950	760	1387	1500	Mitsubishi	S12H-PTA	12V	4480	1653	2390	10600
1257	1006	1141	913	808	646	1496	1500	MTU	18V2000G65	18V	5091	2000	2451	9680
1425	1140	1275	1020	1145	916	1659	1500	Mitsubishi	S12R-PTA	12V	5711	1820	2830	11010
1426	1141	1272	1018	1000	800	1668	1500	Cummins	KTA50-G3	16V	5651	2276	2507	11435
1655	1324	1384	1107	1125	900	1942	1500	Cummins	KTA50-G8	16V	5651	2276	2507	11553
1900	1520	1735	1388	1555	1244	2203	1500	Mitsubishi	S16R-PTA	16V	5390	1820	2869	12400
2097	1678	1888	1510	1498	1198	2434	1500	Cummins	QSK60-G3	16V	6251	2789	3175	15875
2250	1800	2000	1600	NA	NA	2636	1500	Mitsubishi	S16R-PTAA2	16V	5970	2192	3265	17190



**JOHN DEERE**



**VOLVO PENTA**



**MITSUBISHI HEAVY INDUSTRIES, LTD.**



**Cummins**

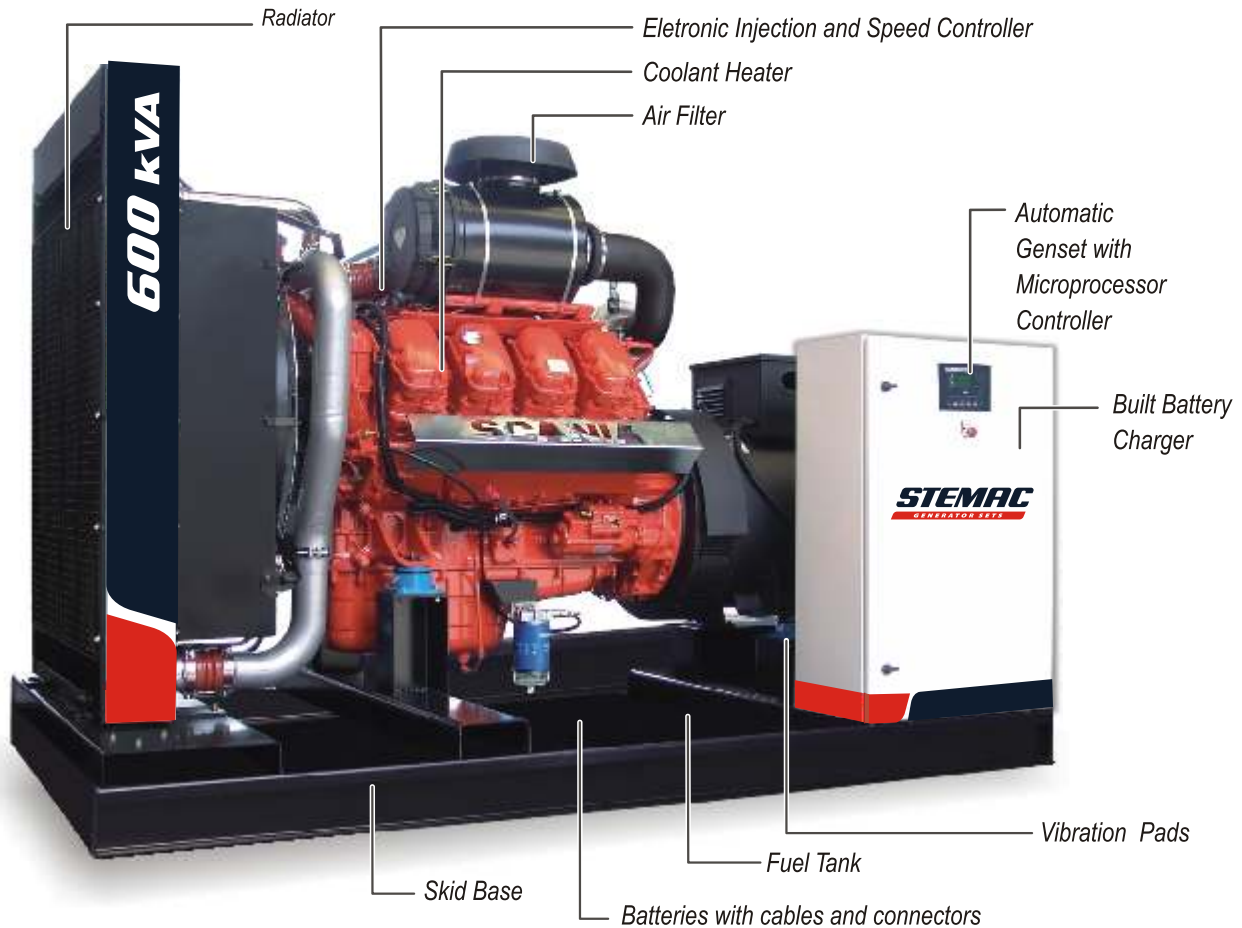
# Diesel Gensets STEMAC

## 60 Hz

Standby		Prime		COP		PS		RPM		Engine		Generator Set			
kVA	kWe	kVA	kWe	kVA	kWe	PS	RPM	Brand	Model	Cylinders Number	Dimensions (mm)			Weight (kg)	
											Length	Width	Height		
40	32	37	30	35	28	50	1800	MWM International	D229-3	3	1541	1021	1421	693	
52	42	46	37	29	23	69	1800	Cummins	4B3.9-G2	4	1704	1024	1331	735	
55	44	50	40	48	38	67	1800	MWM International	D229-4	4	1778	1024	1400	863	
75	60	68	54	67	54	99	1800	MWM International	D229-6	6	2040	1267	1494	1097	
81	65	74	60	51	41	100	1800	Cummins	4BT3.9-G4	4	1771	1267	1409	1007	
81	65	78	62	74	59	99	1800	MWM International	D229-6	6	2040	1267	1494	1139	
105	84	100	80	86	69	132	1800	MWM International	4.10T	4	2025	1267	1506	1020	
115	92	105	84	94	75	145	1800	MWM International	4.10TCA	6	1955	1267	1296	986	
115	92	106	85	103	82	137	1800	MWM International	TD229EC-6	6	2333	1267	1426	1267	
142	114	131	105	81	65	173	1800	Cummins	6BT5.9-G6	6	2137	1267	1466	1106	
150	120	141	113	122	98	180	1800	MWM International	6.10T	6	2335	1267	1672	1571	
170	136	153	122	NA	NA	209	1800	Cummins	6BTA5.9-G3	6	2137	1267	1446	1215	
180	144	168	134	158	126	215	1800	MWM International	6.10TCA	6	2486	1267	1672	1659	
200	160	180	144	145	116	243	1800	Cummins	6CTA8.3-G1	6	2458	1407	1550	1766	
204	163	183	146	140	112	254	1800	John Deere	6068HF150	6	2493	1080	1503	1568	
230	184	210	168	178	142	281	1800	Cummins	6CTA8.3-G2	6	2480	1442	1550	1570	
245	196	219	175	191	152	305	1800	John Deere	6081AF001	6	2562	1118	1503	1795	
260	208	232	186	217	174	322	1800	Cummins	6CTAA8.3-G1	6	2720	1472	1550	1764	
260	208	240	192	228	182	318	1800	MWM International	6.12TCA	6	2635	1267	1672	1785	
290	232	260	208	203	162	320	1800	MTU - Mercedes	OM447-A	6	2800	1485	1929	2185	
360	288	325	260	284	227	441	1800	Cummins	NT855-G6	6	2980	1762	1767	2912	
360	288	331	264	232	186	428	1800	Scania	DC9 65A	5	2983	1762	1810	2595	
380	304	345	276	304	243	469	1800	MTU - Mercedes	OM447-LA507	6	2880	1552	1950	2650	
450	360	405	324	312	250	542	1800	Cummins	NTA855-G3	6	2986	1762	1833	3098	
460	368	434	347	304	243	552	1800	Scania	DC12 60A	6	3151	1762	2011	2688	
500	400	456	365	NA	NA	605	1800	Cummins	NTA855-G5	6	3160	1762	1875	3200	
500	400	456	364	320	256	605	1800	Scania	DC12 53A	6	3295	1762	2011	2707	
700	560	635	508	440	352	839	1800	Scania	DC16 48A	8V	3410	1730	1910	3490	
750	600	680	544	563	450	923	1800	Perkins	2806A-E18TAG3	6	3246	1773	2116	4350	
750	600	687	550	-	-	908	1800	MTU	12V1600G20S	12V	3324	1790	2025	4382	
757	605	687	550	480	384	917	1800	Volvo	TWD1643GE	6	3300	1810	2090	4350	
1000	800	875	700	725	580	1156	1800	Mitsubishi	S12A2-PTA	12V	4150	1875	2490	8090	
1000	800	900	720	706	565	1217	1800	Cummins	QST30-G2	12V	4260	2040	2620	7973	
1000	800	920	736	NA	NA	1210	1800	MTU	12V2000G85	12V	3993	1717	2160	6500	
1145	916	1038	830	NA	NA	1373	1800	MTU	16V2000G45	16V	4412	1830	2172	8734	
1250	1000	1125	900	948	759	1510	1800	Cummins	QST30-G4	12V	4413	2040	2585	7973	
1260	1008	1140	912	NA	NA	1516	1800	MTU	16V2000G85	12V	4721	1830	2547	9190	
1275	1020	1165	932	NA	NA	1523	1800	Mitsubishi	S12H-PTA	12V	4812	2000	2832	10600	
1500	1200	1360	1088	NA	NA	1781	1800	MTU	18V2000G85	18V	5140	2110	2658	9680	
1515	1212	1375	1100	NA	NA	1795	1800	Mitsubishi	S12R-PTA	12V	6171	2986	2859	11010	
1563	1250	1375	1100	1120	896	1876	1800	Cummins	KTA50-G3	16V	5422	2236	2486	11435	
1941	1553	1600	1280	1375	1100	2250	1800	Cummins	KTA50-G9	16V	5455	2236	2565	11553	
2040	1632	1850	1480	NA	NA	2380	1800	Mitsubishi	S16R-PTA	16V	5182	2340	2870	12400	
2500	2000	2250	1800	2000	1600	2964	1800	Cummins	QSK60-G6	16V	6091	2494	3116	15875	
2500	2000	2275	1820	NA	NA	2923	1800	Mitsubishi	S16R-Y1PTAA2-1	16V	5950	2392	3410	17190	



# Diesel Line



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