

GSW SERIES

POWER IN ISOLATION

A continuous power supply, provided with high power output and extended running time, makes this range of generators the most suitable for powering sites not connected to a mains power supply.

This range is also ideal for running lighting systems during power failures.



Well balanced engine block 6 in line cylinders

Terminal board load connection

Electronic card

	F	F	F	F	F	F
GENERATING SET	G5W110V	G5W150V	G5W170V	G5W220V	G5W275V	G5W330V
STAND BY POWER LTP kW/kVA	90,4/112,9	114,4/143,0	131,2/164,0	176,0/220,0	220,0/275,0	264,0/330,0
PRIME POWER PRP kW/kVA	81,1/101,4	103,9/129,8	125,4/156,7	162,1/202,7	198,9/248,7	252,0/315,0
VOLTAGE Volt / FREQUENCY Hz	400/50	400/50	400/50	400/50	400 / 50	400 / 50
PHASES	3	3	3	3	3	3
ENGINE						
BRAND	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo
MODEL	TAD531GE	TAD532GE	TAD731GE	TAD733GE	TAD734GE	TAD941GE
COOLING SYSTEM	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	4 in line	4 in line	6 in line	6 in line	6 in line	6 in line
DISPLACEMENT cc	4760	4760	7150	7150	7150	9360
ASPIRATION	Turbocharged intercooler					
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 24	Electric / 24
SPEED rpm	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Electronic	Mechanical	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	98,0	125,0	149,5	194,9	238,0	310,0
PRIME POWER PRP kW	88,0	112,0	134,5	174,9	213,0	281,0
FUEL CONSUMPTION at 75% / 100% PRP L/h	18,6 / 24,4	22,9 / 30,6	26,8 / 35,3	34,9 / 46,5	41,5 / 58,0	51,0 / 67,8
ALTERNATOR						
TYPE	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT						
LENGTH mm	2200	2200	2650	2650	2650	3300
WIDTH mm	1000	1000	1100	1100	1180	1400
HEIGHT mm	1620	1620	1965	1965	1844	1887
WEIGHT Kg	1433	1491	1796	2238	2177	2580
FUEL TANK CAPACITY L	340	340	340	340	400	636
RUNNING TIME at 75% / 100% PRP h	18,3 / 14,0	14,9 / 11,1	12,7 / 9,6	9,7 / 7,3	9,6 / 6,9	12,5 / 9,4



	F	F	F	F			
GENERATING SET	GSW415V	GSW450V	GSW510V	GSW560V	GSW590V	GSW630V	GSW705V
STAND BY POWER LTP kW/kVA	332,9/416,1	350,0/437,0	404,7/505,9	436,8/546,0	480,8/601,0	505,4/631,8	562,0/702,5
PRIME POWER PRP kW/kVA	303,9/379,8	331,0/413,7	364,3/455,4	403,7/504,7	456,9/571,0	457,4/571,7	505,4/631,8
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3	3	3
ENGINE							
BRAND	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo
MODEL	TAD1343GE	TAD1344GE	TAD1345GE	TAD1641GE	TAD1642GE	TAD1642GE	TWD1643GE
COOLING SYSTEM	Water	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	6 in line	6 in line	6 in line	6 in line	6 in line	6 in line	6 in line
DISPLACEMENT cc	12780	12780	12780	16120	16120	16120	16120
ASPIRATION				Turbocharged intercooler			
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24
SPEED rpm	1500	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	356	389	431	473	536	536	596
PRIME POWER PRP kW	325	354	388	430	485	485	536
FUEL CONSUMPTION at 75% / 100% PRP L/h	58,1 / 76,6	64,4 / 84,1	70,4 / 92,9	77,6 / 104,5	87,5 / 118,7	87,6 / 118,7	97,4 / 131,0
ALTERNATOR							
TYPE	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT							
LENGTH mm	3300	3300	3300	3500	3500	3500	3800
WIDTH mm	1400	1400	1400	1500	1500	1500	1670
HEIGHT mm	1917	1917	1917	2120	2120	2120	2320
WEIGHT Kg	3050	3050	3180	3467	3620	3680	4590
FUEL TANK CAPACITY L	636	636	636	636	636	636	636
RUNNING TIME at 75% / 100% PRP h	10,9 / 8,3	9,9 / 7,6	9,0 / 6,8	8,2 / 6,1	7,3 / 5,5	7,3 / 5,5	6,5 / 4,9

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GENERATING SET	G5W310M	G5W330M	G5W405M	G5W440M	G5W515M	G5W570M	G5W665M	G5W730M
STANDBY POWER LTP kW/kVA	247,6/309,5	264,0/330,0	325,8/407,2	349,6/437,0	406,6/508,2	450,3/562,9	527,1/658,9	581,8/727,3
PRIME POWER PRP kW/kVA	224,2/280,2	247,6/309,4	294,5/368,2	325,8/407,2	368,1/460,1	407,9/509,9	478,1/597,6	527,1/658,9
VOLTAGE Volt / FREQUENCY Hz	400/50	400/50	400/50	400/50	400/50	400/50	400/50	400/50
PHASES	3	3	3	3	3	3	3	3
ENGINE								
BRAND	MTU	MTU	MTU	MTU	MTU	MTU	MTU	MTU
MODEL	6R1600G70F	6R1600G80F	8V1600G70F	8V1600G80F	10V1600G70F	10V1600G80F	12V1600G70F	12V1600G80F
COOLING SYSTEM	Water	Water	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	6 in line	6 in line	8 V angle	8 V angle	10 V angle	10 V angle	12 V angle	12 V angle
DISPLACEMENT cc	10500	10500	14000	14000	17500	17500	21000	21000
ASPIRATION	Turbocharged intercooler							
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24
SPEED rpm	1500	1500	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	264	291	348	384	433	478	559	617
PRIME POWER PRP kW	239	264	315	348	392	433	507	559
FUEL CONSUMPTION at 75% / 100% PRP L/h	44,7/58,1	48,6/63,6	63,4/81,3	62,1/82,7	78,4/109,5	76,5/105,1	98,1/131,6	106,0/142,6
ALTERNATOR								
TYPE	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT								
LENGTH mm	3300	3300	3300	3300	3800	3800	3800	3800
WIDTH mm	1400	1400	1800	1800	1670	1670	1670	1670
HEIGHT mm	2100	2100	2120	2120	2320	2320	2320	2320
WEIGHT Kg	2920	2920	3514	3514	4658	4811	4994	5200
FUEL TANK CAPACITY L	636	636	636	636	636	636	636	636
RUNNING TIME at 75% / 100% PRP h	14,2/10,9	13,1/10,0	10,0/7,8	10,2/7,7	8,1/5,8	8,3/6,1	6,5/4,8	6,6/4,5