

# GSW 815-3360



From 815 to 3360kVA, these heavy-duty generating sets are designed for high power demands. Regardless of the field of activity, whether it is medical, telecommunications or industrial, the GSW Higher Power Series is your reliable partner to serve your customer's needs. With a modular layout, these generators meet the requirements of different market areas, enjoying the economic benefits of a standard production.

## OPEN



Moving rotating parts protections



Manual lube oil drain pump



Heavy-duty anti-vibrations mountings



Efficient air filters



GSW 815-3360

## CANOPY



Large doors for easy service and maintenance



Control panel doors (one each side)



Niche for external emergency push-button



Robust and lockable door handles



GSW 815-1650

## CONTAINER



Internal lighting system



ISO lifting hooks



Removable metal plate for power cable passage



Container floor with crosshatch metal pattern surface



GSW 815-3360

GSW 815 - 1000 DIESEL

GENERATING SET	
POWER SUPPLY	
THREE PHASE	
STAND BY POWER LTP	
PRIME POWER PRP	
POWER SPECIFICATIONS	
VOLTAGE	Volt
FREQUENCY	Hz
POWER FACTOR	cos Φ
ENGINE	
BRAND	
MODEL	
FUEL	
DISPLACEMENT	cc
SPEED	rpm
CYLINDER	
COOLING SYSTEM	
STARTING SYSTEM	
ELECTRIC CIRCUIT	Volt
ASPIRATION	
SPEED GOVERNOR	
EMISSION STAGE COMPLIANCE EU	
STAND BY POWER LTP	kW
PRIME POWER PRP	kW
ALTERNATOR	
TYPE	
POLES	
VOLTAGE REGULATION SYSTEM	
ALTERNATOR PROTECTION	IP
CONSUMPTION	
FUEL CONSUMPTION at 75% / 100% of load	L/h
VERSION	
DIMENSION AND WEIGHT	
LENGTH	mm
WIDTH	mm
HEIGHT	mm
WEIGHT (DRY)	kg

		GSW815P			GSW870M			GSW875P			GSW1000M						
		THREE PHASE 400/230V**															
		kW		kVA		kW		kVA		kW		kVA					
STAND BY POWER LTP		661		826		697		871		699		874		808		1010	
PRIME POWER PRP		601		751		631		788		646		807		731		913	
VOLTAGE		400		400		400		400		400		400		400		400	
FREQUENCY		50		50		50		50		50		50		50		50	
POWER FACTOR		0,8		0,8		0,8		0,8		0,8		0,8		0,8		0,8	
BRAND		Perkins			MTU			Perkins			MTU						
MODEL		4006-23TAG2A			12V2000G65			4006-23TAG3A			16V2000G25						
FUEL		Diesel			Diesel			Diesel			Diesel						
DISPLACEMENT		22921			23880			22921			31840						
SPEED		1500			1500			1500			1500						
CYLINDER		6 in line			12 V			6 in line			16 V						
COOLING SYSTEM		Water			Water			Water			Water						
STARTING SYSTEM		Electric			Electric			Electric			Electric						
ELECTRIC CIRCUIT		24			24			24			24						
ASPIRATION		Turbocharged aftercooled			Turbocharged aftercooled			Turbocharged aftercooled			Turbocharged aftercooled						
SPEED GOVERNOR		Electronic			Electronic			Electronic			Electronic						
EMISSION STAGE COMPLIANCE EU		Unregulated			Unregulated			Unregulated			Unregulated						
STAND BY POWER LTP		721,0		765,0		786,0		891,0		786,0		891,0		891,0		891,0	
PRIME POWER PRP		658,0		695,0		705,0		810,0		705,0		810,0		810,0		810,0	
TYPE		Brushless			Brushless			Brushless			Brushless						
POLES		4			4			4			4						
VOLTAGE REGULATION SYSTEM		Electronic			Electronic			Electronic			Electronic						
ALTERNATOR PROTECTION		21			21			21			21						
FUEL CONSUMPTION at 75% / 100% of load		125,34 / 163,72			127,65 / 166,3			133,55 / 176,25			145,37 / 190,93						
		OPEN	CANOPY	CONTAINER	OPEN	CANOPY	CONTAINER	OPEN	CANOPY	CONTAINER	OPEN	CANOPY	CONTAINER				
LENGTH		4100	6541	6055	4100	6541	6055	4100	6541	6055	4226	6541	6055				
WIDTH		2130	2171	2438	2130	2171	2438	2130	2171	2438	2130	2171	2438				
HEIGHT		2218	2679	2591	2294	2679	2591	2218	2679	2591	2295	2679	2591				
WEIGHT (DRY)		6641	8491	9641	6472	8332	9472	6641	8650	9641	7150	9210	10150				
BAT - LEAD-ACID STARTING BATTERIES KIT		S			S			S			S						
IFT - INTEGRATED FUEL TANK		S			S			S			S						
FUEL TANK MATERIAL		Metal			Metal			Metal			Metal						
CAPACITY AVAILABLE [IFT1 or IFT2]		L			L			L			L						
RUNNING TIME at 75% of load		h			h			h			h						
FBD - FULLY BUNDED BASE FRAME		S			S			S			S						
LDS - LEAKAGE DETECTION SENSOR (ONLY WITH FBD)		S			S			S			S						
AFP - AUTOMATIC FUEL PUMP		S			S			S			S						
PHS - COOLANT PRE-HEATING SYSTEM		S			S			S			S						
SYSTEMS EXHAUST SILENCER AVAILABLE (for OPEN version)		OPEN	CANOPY	CONTAINER	OPEN	CANOPY	CONTAINER	OPEN	CANOPY	CONTAINER	OPEN	CANOPY	CONTAINER				
IES - INDUSTRIAL SILENCER -15 db(A)		S	-		S	-		S	-		S	-					
RES - RESIDENTIAL SILENCER -35/38 db(A)		S	√		S	√		S	√		S	√					
FEC - FLEXIBLE EXHAUST COMPENSATOR		S	√		S	√		S	√		S	√					
AUTOMATIC CONTROL PANEL ACP		13			13			13			13						
MODULAR PARALLEL PANEL MPP		14			14			14			14						

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GSW 1120 - 1400 DIESEL

GENERATING SET		GSW1120M			GSW1130P			GSW1260M			GSW1400P		
POWER SUPPLY		THREE PHASE 400/230V**											
<b>THREE PHASE</b>		<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>		
STAND BY POWER LTP		896	1120	918	1147	1010	1262	1119	1399				
PRIME POWER PRP		810	1013	835	1044	914	1142	1013	1266				
<b>POWER SPECIFICATIONS</b>													
VOLTAGE	Volt	400		400		400		400					
FREQUENCY	Hz	50		50		50		50					
POWER FACTOR	cos φ	0,8		0,8		0,8		0,8					
<b>ENGINE</b>													
BRAND		MTU		Perkins		MTU		Perkins					
MODEL		16V2000G65		4008 TAG2A		18V2000G65		4012-46TWG2A					
FUEL		Diesel		Diesel		Diesel		Diesel					
DISPLACEMENT	cc	31840		30561		35820		45842					
SPEED	rpm	1500		1500		1500		1500					
CYLINDER		16 V		8 in line		18 V		12 V					
COOLING SYSTEM		Water		Water		Water		Water					
STARTING SYSTEM		Electric		Electric		Electric		Electric					
ELECTRIC CIRCUIT	Volt	24		24		24		24					
ASPIRATION		Turbocharged aftercooled		Turbocharged aftercooled		Turbocharged aftercooled		Turbocharged aftercooled					
SPEED GOVERNOR		Electronic		Electronic		Electronic		Electronic					
EMISSION STAGE COMPLIANCE EU		Unregulated		Unregulated		Unregulated		Unregulated					
STAND BY POWER LTP	kW	979,0		985,0		1100,0		1217,0					
PRIME POWER PRP	kW	890,0		899,0		1000,0		1106,0					
<b>ALTERNATOR</b>													
TYPE		Brushless		Brushless		Brushless		Brushless					
POLES		4		4		4		4					
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic					
ALTERNATOR PROTECTION	IP	21		21		21		21					
<b>CONSUMPTION</b>													
FUEL CONSUMPTION at 75% / 100% of load	L/h	158,01 / 212,96		163,44 / 222,61		181,08 / 239,29		214,15 / 277,82					
<b>VERSION</b>		<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>
<b>DIMENSION AND WEIGHT</b>													
LENGTH	mm	4426	6541	6055	4646	7800	12190	4646	7800	12190	5004	7800	12190
WIDTH	mm	2130	2171	2438	2122	2424	2438	2122	2424	2438	2200	2424	2438
HEIGHT	mm	2295	2679	2591	2466	2997	2896	2466	2997	2896	2504	2997	2896
WEIGHT (DRY)	kg	7455	9515	10455	8170	11067	14667	9179	11579	15179	10040	12740	16040
<b>GENSET EQUIPMENT - BASIC CONFIGURATIONS AVAILABLE**:</b>													
BAT - LEAD-ACID STARTING BATTERIES KIT		S		S		S		S					
IFT - INTEGRATED FUEL TANK		S		S		S		S					
FUEL TANK MATERIAL		Metal		Metal		Metal		Metal					
CAPACITY AVAILABLE [IFT1 or IFT2]	L	500/1000		500/1000		500/1000		500/1000					
RUNNING TIME at 75% of load	h	3,16/ 6,33		3,06/ 6,12		2,76/ 5,52		2,33/ 4,67					
FBD - FULLY BUNDED BASE FRAME		S		S		S		S					
LDS - LEAKAGE DETECTION SENSOR (ONLY WITH FBD)		S		S		S		S					
AFP - AUTOMATIC FUEL PUMP		S		S		S		S					
PHS - COOLANT PRE-HEATING SYSTEM		S		S		S		S					
<b>SYSTEMS EXHAUST SILENCER AVAILABLE (for OPEN version)</b>		<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>
IES - INDUSTRIAL SILENCER	-15 db(A)	S	-		S	-		S	-		S	-	
RES - RESIDENTIAL SILENCER	-35/38 db(A)	S	√		S	√		S	√		S	√	
FEC - FLEXIBLE EXHAUST COMPENSATOR		S	√		S	√		S	√		S	√	
<b>CONTROL PANEL AVAILABLE</b>													
AUTOMATIC CONTROL PANEL	ACP	13		13		13		13					
MODULAR PARALLEL PANEL	MPP	14		14		14		14					

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GSW 1510 - 1650 DIESEL

GENERATING SET		GSW1510P			GSW1500M			GSW1650P		
POWER SUPPLY		THREE PHASE 400/230V**								
THREE PHASE		<b>kW</b>	<b>kVA</b>		<b>kW</b>	<b>kVA</b>		<b>kW</b>	<b>kVA</b>	
STAND BY POWER LTP		1215	1519		1216	1520		1328	1660	
PRIME POWER PRP		1105	1382		1121	1401		1227	1534	
<b>POWER SPECIFICATIONS</b>										
VOLTAGE	Volt	400			400			400		
FREQUENCY	Hz	50			50			50		
POWER FACTOR	cos Φ	0,8			0,8			0,8		
<b>ENGINE</b>										
BRAND		Perkins			MTU			Perkins		
MODEL		4012-46TWG3A			12V4000G23R			4012-46TAG2A		
FUEL		Diesel			Diesel			Diesel		
DISPLACEMENT	cc	45842			57199			45842		
SPEED	rpm	1500			1500			1500		
CYLINDER		12 V			12 V			12 V		
COOLING SYSTEM		Water			Water			Water		
STARTING SYSTEM		Electric			Electric			Electric		
ELECTRIC CIRCUIT	Volt	24			24			24		
ASPIRATION		Turbocharged			Turbocharged aftercooled			Turbocharged		
SPEED GOVERNOR		Electronic			Electronic			Electronic		
EMISSION STAGE COMPLIANCE EU		Unregulated			Unregulated			Unregulated		
STAND BY POWER LTP	kW	1314,0			1325,0			1459,0		
PRIME POWER PRP	kW	1200,0			1205,0			1331,0		
<b>ALTERNATOR</b>										
TYPE		Brushless			Brushless			Brushless		
POLES		4			4			4		
VOLTAGE REGULATION SYSTEM		Electronic			Electronic			Electronic		
ALTERNATOR PROTECTION	IP	21			21			23		
<b>CONSUMPTION</b>										
FUEL CONSUMPTION at 75% / 100% of load	L/h	229,91 / 301,43			213,87 / 275,43			240,89 / 316,91		
<b>VERSION</b>		<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>
<b>DIMENSION AND WEIGHT</b>										
LENGTH	mm	5004	7800	12190	6000	7800	12190	5004	7800	12190
WIDTH	mm	2200	2424	2438	2150	2424	2438	2200	2424	2438
HEIGHT	mm	2574	2997	2896	2722	2997	2896	2574	2997	2896
WEIGHT (DRY)	kg	10330	13030	16330	11590	17000	24000	11074	14000	17074
<b>GENSET EQUIPMENT - BASIC CONFIGURATIONS AVAILABLE**:</b>										
BAT - LEAD-ACID STARTING BATTERIES KIT		S			S			S		
IFT - INTEGRATED FUEL TANK		S			S			S		
FUEL TANK MATERIAL		Metal			Metal			Metal		
CAPACITY AVAILABLE [IFT1 or IFT2]	L	500/1000			500/1000			500/1000		
RUNNING TIME at 75% of load	h	2,17/ 4,35			2,34/ 4,35			2,08/ 4,15		
FBD - FULLY BUNDED BASE FRAME		S			S			S		
LDS - LEAKAGE DETECTION SENSOR (ONLY WITH FBD)		S			S			S		
AFP - AUTOMATIC FUEL PUMP		S			S			S		
PHS - COOLANT PRE-HEATING SYSTEM		S			S			S		
<b>SYSTEMS EXHAUST SILENCER AVAILABLE (for OPEN version)</b>		<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>
IES - INDUSTRIAL SILENCER	-15 db(A)	S	-		S	-		S	-	
RES - RESIDENTIAL SILENCER	-35/38 db(A)	S	√		S	√		S	√	
FEC - FLEXIBLE EXHAUST COMPENSATOR		S	√		S	√		S	√	
<b>CONTROL PANEL AVAILABLE</b>										
AUTOMATIC CONTROL PANEL	ACP	13			13			13		
MODULAR PARALLEL PANEL	MPP	14			14			14		

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GSW 1770 - 2040 DIESEL

GENERATING SET	GSW1770M		GSW1780P		GSW2040M	
	THREE PHASE 400/230V**					
POWER SUPPLY	kW	kVA	kW	kVA	kW	kVA
THREE PHASE						
STAND BY POWER LTP	1424	1780	1424	1780	1635	2044
PRIME POWER PRP	1329	1661	1360	1700	1483	1854
<b>POWER SPECIFICATIONS</b>						
VOLTAGE	400		400		400	
FREQUENCY	50		50		50	
POWER FACTOR	0,8		0,8		0,8	
<b>ENGINE</b>						
BRAND	MTU		Perkins		MTU	
MODEL	12V4000G23		4012-46TAG3A		12V4000G63	
FUEL	Diesel		Diesel		Diesel	
DISPLACEMENT	57199		45842		57200	
SPEED	1500		1500		1500	
CYLINDER	12 V		12 V		12 V	
COOLING SYSTEM	Water		Water		Water	
STARTING SYSTEM	Electric		Electric		Electric	
ELECTRIC CIRCUIT	24		24		24	
ASPIRATION	Turbocharged aftercooled		Turbocharged aftercooled		Turbocharged aftercooled	
SPEED GOVERNOR	Electronic		Electronic		Electronic	
EMISSION STAGE COMPLIANCE EU	Unregulated		Unregulated		Unregulated	
STAND BY POWER LTP	1562,0		1643,0		1733,0	
PRIME POWER PRP	1420,0		1500,0		1575,0	
<b>ALTERNATOR</b>						
TYPE	Brushless		Brushless		Brushless	
POLES	4		4		4	
VOLTAGE REGULATION SYSTEM	Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP		21		21	
<b>CONSUMPTION</b>						
FUEL CONSUMPTION at 75% / 100% of load	249,06 / 319,50		274,91 / 365,55		273,16 / 360,0	
<b>VERSION</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>
<b>DIMENSION AND WEIGHT</b>						
LENGTH	6000	12190	5004	12190	6000	12190
WIDTH	2150	2438	2200	2438	2150	2438
HEIGHT	2722	2896	2610	2896	2722	2896
WEIGHT (DRY)	12150	20150	11561	17561	12430	20430
<b>GENSET EQUIPMENT - BASIC CONFIGURATIONS AVAILABLE**:</b>						
BAT - LEAD-ACID STARTING BATTERIES KIT	S		S		S	
I FT - INTEGRATED FUEL TANK	S		S		S	
FUEL TANK MATERIAL	Metal		Metal		Metal	
CAPACITY AVAILABLE [IFT1 or IFT2]	500/1000		500/1000		500/1000	
RUNNING TIME at 75% of load	2,01/ 4,02		1,82/ 3,64		1,83/ 3,66	
FBD - FULLY BUNDED BASE FRAME	S		S		S	
LDS - LEAKAGE DETECTION SENSOR (ONLY WITH FBD)	S		S		S	
AFP - AUTOMATIC FUEL PUMP	S		S		S	
PHS - COOLANT PRE-HEATING SYSTEM	S		S		S	
<b>SYSTEMS EXHAUST SILENCER AVAILABLE (for OPEN version)</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>
IES - INDUSTRIAL SILENCER -15 db(A)	S	-	S	-	S	-
RES - RESIDENTIAL SILENCER -35/38 db(A)	S	√	S	√	S	√
FEC - FLEXIBLE EXHAUST COMPENSATOR	S	√	S	√	S	√
<b>CONTROL PANEL AVAILABLE</b>						
AUTOMATIC CONTROL PANEL	ACP		13		13	
MODULAR PARALLEL PANEL	MPP		14		14	

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GSW 2025 - 2270 DIESEL

GENERATING SET		GSW2025P		GSW2266P		GSW2270M	
POWER SUPPLY		THREE PHASE 400/230V**					
THREE PHASE		<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>
STAND BY POWER LTP		1636	2046	1814	2268	1814	2268
PRIME POWER PRP		1515	1893	1617	2021	1737	2171
<b>POWER SPECIFICATIONS</b>							
VOLTAGE	Volt	400		400		400	
FREQUENCY	Hz	50		50		50	
POWER FACTOR	cos Φ	0,8		0,8		0,8	
<b>ENGINE</b>							
BRAND		Perkins		Perkins		MTU	
MODEL		4016-61TRG1		4016-61TRG2		16V4000G23	
FUEL		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	61123		61123		76300	
SPEED	rpm	1500		1500		1500	
CYLINDER		16 V		16 V		16 V	
COOLING SYSTEM		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	24		24		24	
ASPIRATION		Turbocharged		Turbocharged		Turbocharged aftercooled	
SPEED GOVERNOR		Electronic		Electronic		Electronic	
EMISSION STAGE COMPLIANCE EU		Unregulated		Unregulated		Unregulated	
STAND BY POWER LTP	kW	1774,0		1985,0		1965,0	
PRIME POWER PRP	kW	1648,0		1774,0		1798,0	
<b>ALTERNATOR</b>							
TYPE		Brushless		Brushless		Brushless	
POLES		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	21		21		21	
<b>CONSUMPTION</b>							
FUEL CONSUMPTION at 75% / 100% of load	L/h	311,9 / 394,34		331,78 / 432,94		305,99 / 402,41	
<b>VERSION</b>		<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>
<b>DIMENSION AND WEIGHT</b>							
LENGTH	mm	5800	12190	5800	12190	6800	12190
WIDTH	mm	2188	2438	2188	2438	2150	2438
HEIGHT	mm	2798	2896	2798	2896	2772	2896
WEIGHT (DRY)	kg	20430	22588	14902	22902	15620	23620
<b>GENSET EQUIPMENT - BASIC CONFIGURATIONS AVAILABLE**:</b>							
BAT - LEAD-ACID STARTING BATTERIES KIT		S		S		S	
IFT - INTEGRATED FUEL TANK		S		S		S	
FUEL TANK MATERIAL		Metal		Metal		Metal	
CAPACITY AVAILABLE [IFT1 or IFT2]	L	500/1000		500/1000		500/1000	
RUNNING TIME at 75% of load	h	1,60/ 3,21		1,51/ 3,01		1,63/ 3,27	
FBD - FULLY BUNDED BASE FRAME		S		S		S	
LDS - LEAKAGE DETECTION SENSOR (ONLY WITH FBD)		S		S		S	
AFP - AUTOMATIC FUEL PUMP		S		S		S	
PHS - COOLANT PRE-HEATING SYSTEM		S		S		S	
<b>SYSTEMS EXHAUST SILENCER AVAILABLE (for OPEN version)</b>		<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>
IES - INDUSTRIAL SILENCER	-15 db(A)	S	-	S	-	S	-
RES - RESIDENTIAL SILENCER	-35/38 db(A)	S	√	S	√	S	√
FEC - FLEXIBLE EXHAUST COMPENSATOR		S	√	S	√	S	√
<b>CONTROL PANEL AVAILABLE</b>							
AUTOMATIC CONTROL PANEL	ACP	13		13		13	
MODULAR PARALLEL PANEL	MPP	14		14		14	

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**GSW 2520 - 3360 DIESEL**

<b>GENERATING SET</b>		<b>GSW2520P</b>		<b>GSW2600M</b>		<b>GSW2800M</b>		<b>GSW3100M</b>		<b>GSW3360M</b>	
POWER SUPPLY		THREE PHASE 400/230V**									
<b>THREE PHASE</b>		<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>
STAND BY POWER LTP		2016	2520	2044	2556	2200	2750	2537	3171	2640	3300
PRIME POWER PRP		1815	2269	1854	2317	2066	2582	2301	2876	2467	3083
<b>POWER SPECIFICATIONS</b>											
VOLTAGE	Volt	400		400		400		400		400	
FREQUENCY	Hz	50		50		50		50		50	
POWER FACTOR	cos Φ	0,8		0,8		0,8		0,8		0,8	
<b>ENGINE</b>											
BRAND		Perkins		MTU		MTU		MTU		MTU	
MODEL		4016-61TRG3		16V4000G63		20V4000G23		20V4000G63		20V4000G63L	
FUEL		Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	61123		76300		95400		95400		95400	
SPEED	rpm	1500		1500		1500		1500		1500	
CYLINDER		16 V		16 V		20 V		20 V		20 V	
COOLING SYSTEM		Water		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	24		24		24		24		24	
ASPIRATION		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled	
SPEED GOVERNOR		Electronic		Electronic		Electronic		Electronic		Electronic	
EMISSION STAGE COMPLIANCE EU		Unregulated		Unregulated		Unregulated		Unregulated		Unregulated	
STAND BY POWER LTP	kW	2183,0		2162,0		2420,0		2662,0		2849,0	
PRIME POWER PRP	kW	1975,0		1965,0		2200,0		2420,0		2590,0	
<b>ALTERNATOR</b>											
TYPE		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	21		21		23		23		23	
<b>CONSUMPTION</b>											
FUEL CONSUMPTION at 75% / 100% of load	L/h	357,94 / 481,99		337,27 / 442,13		394/ 510		429/ 556		455/ 592	
<b>VERSION</b>		<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>
<b>DIMENSION AND WEIGHT</b>											
LENGTH	mm	5800	12190	6800	12190	7535	12190	7535	12190	7535	12190
WIDTH	mm	2188	2438	2150	2438	2280	2438	2280	2438	2288	2438
HEIGHT	mm	3209	2896	2622	2896	2755	2896	3239	2896	3239	2896
WEIGHT (DRY)	kg	15300	23300	15900	23900	20500	28500	22500	29800	21800	30500
<b>GENSET EQUIPMENT - BASIC CONFIGURATIONS AVAILABLE**:</b>											
BAT - LEAD-ACID STARTING BATTERIES KIT		S		S		S		S		S	
IFT - INTEGRATED FUEL TANK		S		S		S		S		S	
FUEL TANK MATERIAL		Metal		Metal		Metal		Metal		Metal	
CAPACITY AVAILABLE [IFT1 or IFT2]	L	500/1000		500/1000		500/1000		500/1000		500/1000	
RUNNING TIME at 75% of load	h	1,4/ 2,79		1,48/ 2,96		1,27/ 2,54		1,17/ 2,33		1,1/ 2,2	
FBD - FULLY BUNDED BASE FRAME		S		S		S		S		S	
LDS - LEAKAGE DETECTION SENSOR (ONLY WITH FBD)		S		S		S		S		S	
AFP - AUTOMATIC FUEL PUMP		S		S		S		S		S	
PHS - COOLANT PRE-HEATING SYSTEM		S		S		S		S		S	
<b>SYSTEMS EXHAUST SILENCER AVAILABLE (for OPEN version)</b>		<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>
IES - INDUSTRIAL SILENCER	-15 db(A)	S	-	S	-	S	-	S	-	S	-
RES - RESIDENTIAL SILENCER	-35/38 db(A)	S	√	S	√	S	√	S	√	S	√
FEC - FLEXIBLE EXHAUST COMPENSATOR		S	√	S	√	S	√	S	√	S	√
<b>CONTROL PANEL AVAILABLE</b>											
AUTOMATIC CONTROL PANEL	ACP	13		13		13		13		13	
MODULAR PARALLEL PANEL	MPP	14		14		14		14		14	

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# ELECTRICAL EQUIPMENT

## GSW SERIES 815-3360

### CONTROL PANELS

Type

#### ACP <sup>13</sup> Automatic Control Panel

#### MPP <sup>14</sup> Modular Parallel Panel

Control panels with controls, instrumentations and protections to meet multiple applications. Designed for dedicated metallic box assembled and integrated into the generator.



#### OPERATIONAL TYPES

MANUAL START/STOP	✓	✓
AUTOMATIC MAIN FAILURE	✓ (with LTS)	✓ (with ATS)
AUTOMATIC START/STOP (remote)	✓	✓
PARALLEL RUNNING		✓

#### COMMAND

OPERATION MODES	OFF Manual starting Automatic starting Automatic test	OFF Manual starting Automatic function Multiple parallel genset Parallel to Mains
EMERGENCY STOP BUTTON	✓	✓

#### INSTRUMENTATIONS

TYPE	Digital control unit	Digital control unit
GENSET VOLTAGE	3 phases sensing	3 phases sensing
GENSET CURRENT INTENSITY	3 phases sensing	3 phases sensing
FREQUENCY METER	✓	✓
HOURS-COUNTER	✓	✓
FUEL LEVEL	✓	✓
OIL PRESSURE	✓	✓
ENGINE TEMPERATURE	✓	✓
GENERATING SET POWER	kVA - kW - kVAr - Cos Φ	kVA - kW - kVAr - Cos Φ
BATTERY VOLTAGE	✓	✓
MAINS VOLTAGE	✓	✓
ENGINE SPEED R.P.M.	✓	✓

#### PROTECTIONS

LOW FUEL LEVEL	✓	✓
LOW OIL PRESSURE	✓	✓
HIGH ENGINE TEMPERATURE	✓	✓
BATTERY CHARGER FAILURE	✓	✓
UNDER/OVER VOLTAGE	✓	✓
UNDER/OVER FREQUENCY	✓	✓
REVERSE POWER	✓	✓

#### OUTPUT\*\*

TERMINALS CONNECTION FOR LTS PANEL	✓	-
PREDISPOSED FOR REMOTE CONTROL RCG	✓	✓
RS232 COMMUNICATION PORT	✓	✓
MULTI-PIN CONNECTORS FOR PARALLEL GE	-	✓
RSS - REMOTE START & STOP	✓	✓

#### BASIC CONFIGURATIONS AVAILABLE\*\*:

POWER PANEL PROTECTION WITH CIRCUIT BREAKER ASSEMBLED IN DEDICATED METALLIC CABINET



GENSET CIRCUIT BREAKER 3-POLE	S (GCB1)	S (GMB1 - motorized circuit breaker as generator protection/synchronization)
GENSET CIRCUIT BREAKER 4-POLE	S (GCB2)	S (GMB2 - motorized circuit breaker as generator protection/synchronization)
ETB - EXTERNAL TERMINAL BOARD	✓ (with GCB)	✓ (with GMB)

#### OPTIONALS \*\*

RCG - REMOTE CONTROLS	S	S
PHS - COOLANT PRE-HEATING SYSTEM	S	S
AFP - AUTOMATIC FUEL PUMP	S	S
LTS - LOAD TRANSFER SWITCH	0	-
ATS - AUTOMATIC TRANSFER SWITCH	0	0

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# OPTIONALS

## GSW SERIES 815-3360

### SUPPLEMENTS AND ACCESSORIES \*\*

#### LTS - LOAD TRANSFER SWITCH

To transfer the load from the mains to the generator and vice versa. The logic control of the power supply changeover is operated by the Automatic Mains Control (ATS) mounted on the generator



#### ATS - AUTOMATIC TRANSFER SWITCH

The ATS panel is complete with monitoring logic mains (inteliATS) and internal change-over switches. In the case of any mains supply disproportion it sends a remote start command to the generator and makes change over for both generator and mains contactors



#### IFT - INTEGRATED FUEL TANK

Integrated fuel tank installed and connected to the engine. Standard Capacity available:

IFT1 500 Liters

IFT2 1000 Liters



#### RCG - REMOTE CONTROL

Large list of additional modules/devices for remote operation and control of the generating set



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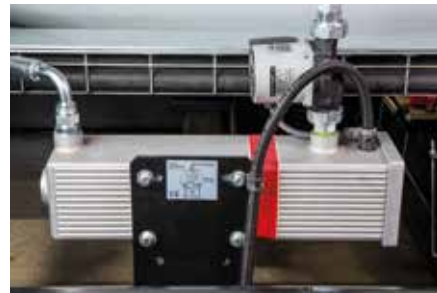
#### AFP - AUTOMATIC FUEL PUMP

Automatic fuel transfer system from an external storage fuel tank to the one integrated in the generator



#### PHS - COOLANT PREHEATING SYSTEM

To maintain the engine at a temperature that ensures a quick start when required



#### EXHAUST SYSTEM

The open version can be equipped with Industrial or Residential silencer

