



# STAR SERIES 90 - 400 kVA



## OUTPUT RATINGS

Model		<b>GSG-90S</b>	<b>GSG-110S</b>	<b>GSG-125S</b>	<b>GSG-150S</b>	<b>GSG-175S</b>	<b>GSG-225S</b>	<b>GSG-300S</b>	<b>GSG-400S</b>
Standby Power (ESP)	kVA / kW	90 / 72	110 / 88	125 / 100	150 / 120	175 / 140	225 / 180	300 / 240	400 / 320
Prime Power (PRP)	kVA / kW	81 / 65	100 / 80	112,5 / 90	135 / 108	159 / 127	203 / 163	270 / 216	360 / 288
Voltage - Frequency	V - Hz	400 / 230 V - 50 Hz							
Phase Qty - P.F.	Unit - Cosφ	3 Phase - Cosφ 0,8							

## ENGINE



Engine Make & Model		SDR 4105IZD	SDR6105ZD	SDR6105ZLD	SDR6105AZLD	SDR6105IZLD	SDR6110ZLDS	SD6126A-260DE	SDWT12D-308E
EngineStandby	kW	72	88	100	120	140	170	260	308
Air Intake System		Turbocharge	Turbocharge	Turbocharge	Turbocharge	Turbocharge	Turbocharge	Turbocharge	Turbocharge
Cylinder Volume	L	4,33	5,13	6,75	6,75	6,99	7,7	10	12,3
Cylinder Qty / Type		4 / Line	4 / Line	6 / Line	6 / Line	6 / Line	6 / Line	6 / Line	6 / Line
Bore & Stroke	MM x MM	105 x 125	110 x 135	105 x 125	105 x 125	105 x 130	110 x 135	126 x 135	126 x 165
Compression Ratio		17 : 1	17 : 1	16 : 1	16 : 1	16 : 1	17 : 1	17 : 1	17 : 1
Governing Type		Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic
Engine Speed	RPM	1500							
Cooling Method		Water-cooled							
Cooling Sys. Capacity	L	16	23	23	23	23	23	70	70
Oil Capacity	L	16	17	17	17	17	17	35	35
Electrical System	V DC	24	24	24	24	24	24	24	24
Fuel Consumption									
100 % Prime Load	L / H	17,95	21,08	23	27,08	32,02	40	52,3	53
75 % Prime Load	L / H	11,05	15,06	17	21	23,02	30	40	41
50 % Prime Load	L / H	8,95	10,09	11,5	13,02	16,01	19,9	25,8	26
Fuel tank Capacity	L	165	165	304	304	304	304	368	368

## ALTERNATOR

Alternator Make & Model		STAR							
Alternator Type		Electronic AVR - Brushless							
Standby Power (ESP)	kVA	90	110	125	150	175	225	300	400
Voltage Regulation		+/- 1.0							
Insulation / Protection		H / IP 21							
Pole Quantity		4							

## DIMENSIONS AND WEIGHTS

Open Type	WxLxH - mm.	950x2350x1460	950x2350x1460	1100x2770x1600	1100x2770x1600	1100x2770x1600	1100x2770x1600	1200x3380x1800	1200x3380x1800
Weight	KG.	950	1050	1200	1250	1350	1720	1920	2050
Canopied Type	WxLxH - mm.	950x2650x1860	950x2650x1860	1100x3070x2000	1100x3070x2000	1100x3070x2000	1100x3070x2000	1200x3680x2200	1200x3680x2200
Weight	KG.	1250	1450	1650	1750	1850	2200	2520	2650

**Standby Power (ESP):** Emergency power under varying electrical load. Overload is not permitted.

**Prime Power (PRP):** Nominal power under varying electrical load for unlimited hours. 10 % overload is available for a period of 1 hour within 12 hours.