

SGT-100PL6

Standby Power (kVA)	103
Standby Power (kW)	82,4
Prime Power (kVA)	94
Prime Power (kW)	75,2
Power Factor (cos phi)	0,8

Standby Current (A)	157
Prime Current (A)	143
Nominal Voltage (V)	380/220
Engine Speed (r.p.m)	1800
Phase	3

Engine Specifications

Engine Brand	PERKINS
Engine Model	1104A-44TG2
Standby Power (Kw/hp)	93 /124,7
Engine Speed (r.p.m)	1800
Total Displacement (L)	4,4
Cylinder Arrangement	4-L
Bore x Stroke (mm x mm)	105 x 127
Comprection Ratio	17,25:1
Governor Type	Mechanical
Aspiration System	Turbocharged
Injection	Direct
Cooling System	Water Cooled
Electrical System (VDC)	12
Oil Capacity (L)	8
Coolant Capacity (L)	13
Fuel Tank Capacity (L)	180
Maximum Exhaust Gas Temperature (°C)	560
Maximum Exhaust Gas Flow (m3/h)	951
Maximum Back Pressure (kPa)	10
Cooling Air Flow (m3/min)	111
Fuel Consumption at 50 % (L/h)	11,9
Fuel Consumption at 75 % (L/h)	16,9
Fuel Consumption at 100 % (L/h)	22,3
Cylinder Liner Type	Wet Type-Replacable
Air Filter Type	Dry Type-Replacable
Radiator	Tropical type up to 50 °C

Alternator Specifications

Alternator Brand	Leroy Somer
Alternator Model	TAL044D
Frequency (Hz)	60
Nominal Power (kVA)	99
Nominal Voltage (V)	380
Phase	3
Regulated By	AVR
Voltage Regulation	± 1 %
Short Circuit Current	100% In
Insulation	Class H
IP Class	IP 23
Power Factor	0.8
Efficiency (%)	91,4
THD	< 2 %
Connection Type	Star connection
Number of Wires	6
Poles	4 pole
Bearing Type	Single Bearing



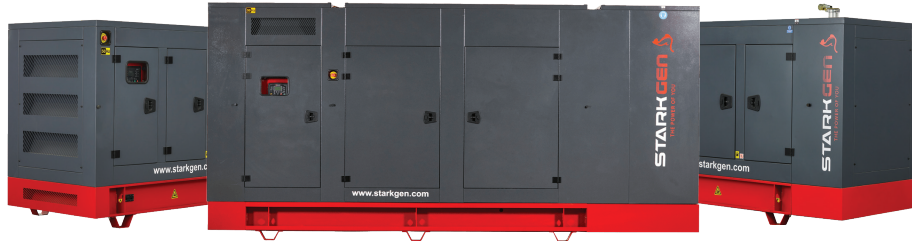
Open Type Dimensions and Weight

Width (mm)	1100
Length (mm)	1750
Height (mm)	1555
Weight (Kg)	960
Fuel Tank Capacity (L)	180

Canopy Type Dimensions and Weight

Width (mm)	1100
Length (mm)	2400
Height (mm)	1805
Weight (Kg)	13750
Fuel Tank Capacity (L)	180

Starkgen reserves the right to introduce changes to models and features without prior notice



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