



40KW GENERATOR SPECIFICATIONS

Genset Model	GFS-40
Prime Power	40KW/50KVA
Standby Power	44KW/55KVA
Rated frequency: 50HZ	Frequency fluctuation rate (%) : $\leq \pm 0.5$
Speed: 1500rpm	Transient frequency adjustment rate (%) : +10~-7
Fuel brand: (standard)0# light diesel oil (room temperature.	Frequency stabilization time (s) : ≤ 3
Dimension: 2300*960*1250 (mm)	Fuel consumption (100% load): 3.857L/H
Weight: 1280kg	Noise Level (LP7m) : 70dB(A)
Engine Specification	
Brand: NAGU	Cooling system: Closed water circulation cooling.
Engine Model : ZH4105ZD-50kw	Alimentation : direct injection
Cylinder No. : 4	speed adjustment mode : electric speed governors
Engine Power : 50KW/62.5KVA	Displacement:15L
Overload capacity : 110%	Intake type : inter-cooling
Start system: DC24V ectric start	overload capacity : 110%
Alternator Specification	
Manufacturer/Model	Copy Stamford,224D
Number Of Phase	3
Connecting Type	3 Phase and 4 Wires,"Y"type connecting
Number of Bearing	1
Power Factor	0.8
Protection Grade	IP23
Altitude	$\leq 1000\text{m}$
Exciter Type	Brushless,self-exciting
Insulation Class,Temperature Rise	H/H
Telephone Influence Factor(TIF)	<50
THF	<2%
Voltage Regulation,Steady State	$\leq \pm 1\%$
Alternator Efficiencies	91.70%
Air Cooling Flow	$0.514\text{m}^3/\text{s}$