

## 600KW GENERATOR SPECIFICATIONS

Genset Model:	GFS-600
Rated Power:	600KW/750KVA
Rated frequency: 50HZ	Frequency fluctuation rate (%) : $\leq \pm 0.5$
Rated output voltage:	400V/230V
Rated current:	759A
Speed: 1500rpm	Transient frequency adjustment rate (%) : $\leq \pm 5\%$
Fuel brand: (standard)0# light diesel oil (room temperature.	Frequency stabilization time (s) : $\leq 1.5\text{sec}$
Dimension: 3750*1980*2360	Fuel consumption (100% load):160.38L/H
Weight: 7500kg	Noise Level (LP7m) : 70dB(A)
<b>Engine Specification</b>	
Brand: Cummins	BoreXStroke: 159X159mm (6.25X6.25 in.)
Engine Model: Cummins,KTA38-G1	Compress Ratio: 13.9:1
Cylinder No.: 12	speed adjustment mode: electric speed governors
Overload capacity: 110%	Intake type: Four stroke, turbocharged exhaust gas
Start system: DC24V ectric start	overload capacity: 110%
<b>Alternator Specification</b>	
Manufacturer/Model	EM-LV6B
Number Of Phase	3
Connecting Type	3 Phase and 4 Wires,"Y"type connecting
Number of Bearing	1
Power Factor	0.8
Protection Grade	IP22
Cylinder diameter * stroke:	159mm*159mm
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	$0.514\text{m}^3/\text{s}$