



500KW GENERATOR SPECIFICATIONS

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: 4800*1800*2200	Fuel consumption (100% load): 134.75L/H
Weight: 4530kg	Noise Level (LP7m) : 70dB(A)
Engine Specification	
Brand: Cummins	BoreXStroke : 159X159mm (6.25X6.25 in.)
Engine Model : Cummins,KTAA19-G6A	Compress Ratio: 13.9:1
Cylinder No. : 6	speed adjustment mode : electric speed governors
Overload capacity : 110%	Intake type : Four stroke, turbocharged exhaust gas
Start system: DC24V ectric start	overload capacity : 110%
Alternator Specification	
Manufacturer/Model	EM-C5FS
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	$0.514\text{m}^3/\text{s}$