



Engine Specifications

DIESEL ENGINE DATA

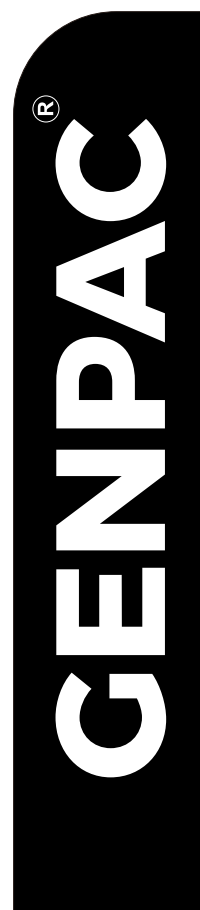
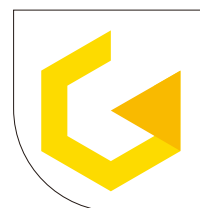


Engine Model	CUMMINS 4BTA3.9 G11
No Of Cylinder / Arrangement	4 , in Line
Cycle	4 Stroke
Aspiration	Turbocharged And Aftercooled
Bore X Stroke	102 X 120 mm
Displacement Total	3.9 liters
Compression Ratio	17.3 : 1
Combustion System	Direct injection
Direction Of Rotation	Anti Clockwise Viewed From Flywheel
Cooling System	Water Cooled
Air Intake System	Mounted Air Filters

GENERATOR DATA



Manufacture	Stamford
Phase Power	3
Voltage	230/400 Volt
Power Factor	0.8
Coupling	Direct
Bearing Number	1
Index Protection	23
Insulation Class	H
Exciter Type	S Hunt
Pole Number	4



Rating 50 Hz (1500 RPM)	KVA	KW
Continuous (C)		
Prime (P)	80	64
Standby (S)	88	70

LUBRICATING SYSTEM



Maximum Oil Temperature	121 °C
Total Lubrication Capacity	10.9 Liters

SAFETY DEVICE

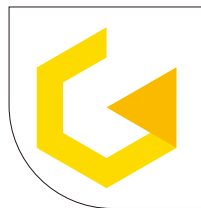


Low Oil Pressure
High Water Temperature and Overspeed

COOLING SYSTEM



Total Coolant Capacity (Engine only)	8.3 liters
Maximum Top Tank Temp	100 °C
Standard Thermostat (Modulating) Range	83-95 °C



FUEL SYSTEM

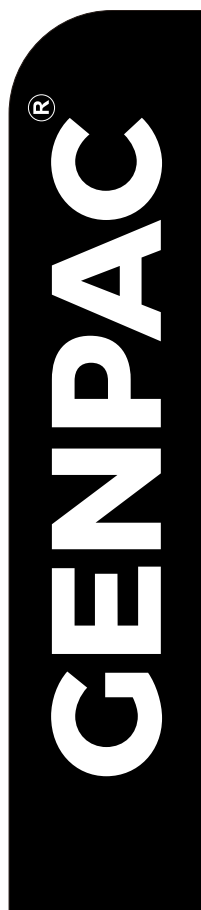


BYC A/Electronic Governor	
Fuel Temp.	71 °C
Fuel Consumption	20.1 L/H @ 100% Prime Power 22.5 L/H @ 100% Standby Power


ELECTRICAL EQUIPMENT



Cranking Motor (Heavy Duty, Positive Engagement) 24V	
Battery Charging System, Negative Ground 40A	



Weight & Dimensions

DIMENSION		OPEN	SILENT	
Length	mm	2000	2500	
Width	mm	900	1100	
Height	mm	1400	1550	
Weight	Kg	1100	1700	

