



## Engine Specifications

### DIESEL ENGINE DATA

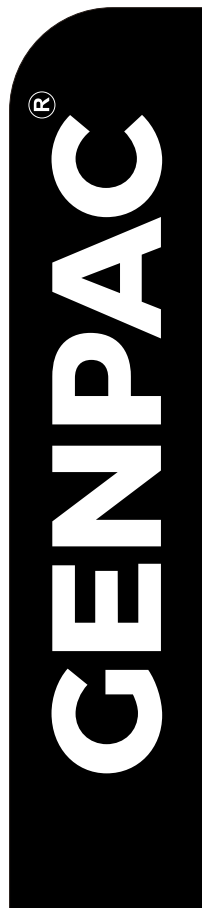
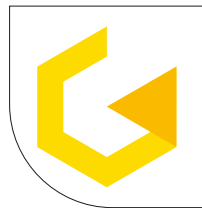


Engine Model	Cummins KTA38-G5
No Of Cylinder / Arrangement	12 , V Form
Cycle	4 Stroke
Aspiration	Turbocharged And Aftercooled
Bore X Stroke	159 x 159 mm
Displacement Total	37.8 liters
Compression Ratio	13.9 : 1
Combustion System	Direct injection
Direction Of Rotation	Anti Clockwise Viewed From Flywheel
Cooling System	Water Cooled
Air Intake System	Mounted Air Filters

### GENERATOR DATA



Manufacture	Rexford
Phase Power	3
Voltage	230/400 Volt
Power Factor	0.8
Coupling	Direct
Bearing Number	1
Index Protection	22
Insulation Class	H
Exciter Type	S Hunt
Pole Number	4



Rating 50 Hz (1500 RPM)	KVA	KW
Continuous (C)		
Prime (P)	1000	800
Standby (S)	1100	880

## LUBRICATING SYSTEM



Maximum Oil Temperature	121 °C
Total System Capacity (with Filters)	135 Litres

## SAFETY DEVICE



Low Oil Pressure  
High Water Temperature and Overspeed

## COOLING SYSTEM



Standard Thermostat Range	82-93 °C
Maximum Top Tank - Prime	100 °C
Total Coolant Capacity	199 liters

## FUEL SYSTEM

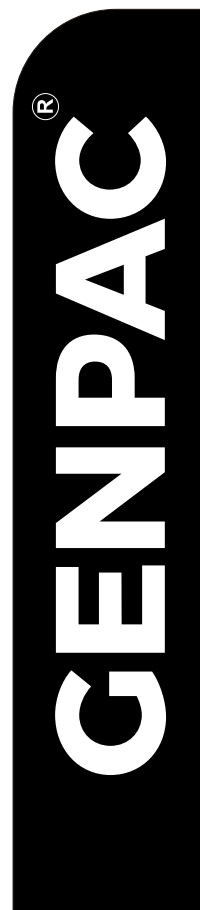
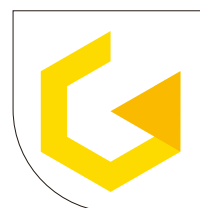


Maximum Fuel Flow to Injection Pump	428 L/H
Fuel Consumption	209 L/H @ 100% Prime Power
	228 L/H @ 100% Standby Power


## ELECTRICAL EQUIPMENT



Cranking Motor (Heavy Duty, Positive Engagement) 24V  
Battery Charging System, Negative Ground 35A



## Weight & Dimensions

DIMENSION		OPEN	SILENT	
Length	mm	4490	6058	
Width	mm	2060	2100	
Height	mm	2165	3400	
Weight	Kg	7380	9780	

