

1. GENERAL

1500rpm

1800rpm

Engine model	9G30	
Basic Engine Type	Ford Ecotorq Genset Engine - Diesel	
Exhaust Emission Level	Non regulated	
Number of cylinders	6	
Cylinder Arrangement	Inline	
Valves per cylinder	4 (2 x exhaust - 2 x intake)	
Cycle	Diesel 4 stroke	
Injection System	HPCR (High Pressure Common Rail)	
Electronic Engine Control Unit	Bosch - 1800bar	
Turbocharger	Floating type (Non-wastegate)	
Cylinder block	Single Main Bearing Cap with ladder frame	
Liner type	Parent bore	
Piston	Friction welding single piece aluminium	
Induction System	Turbo aftercooler air to air	
Valvetrain system	Overhead valve	
Bore	mm	115
Stroke	mm	144
Total Displacement	L	8.974
Compression Ratio	17.4 : 1	
Housing Flywheel	SAE 1	
Flywheel	14"	
Dry Weight	kg	850
Paint Colour	Black	
Dimensions L x W x H	mm	1202 x 998 x 1181

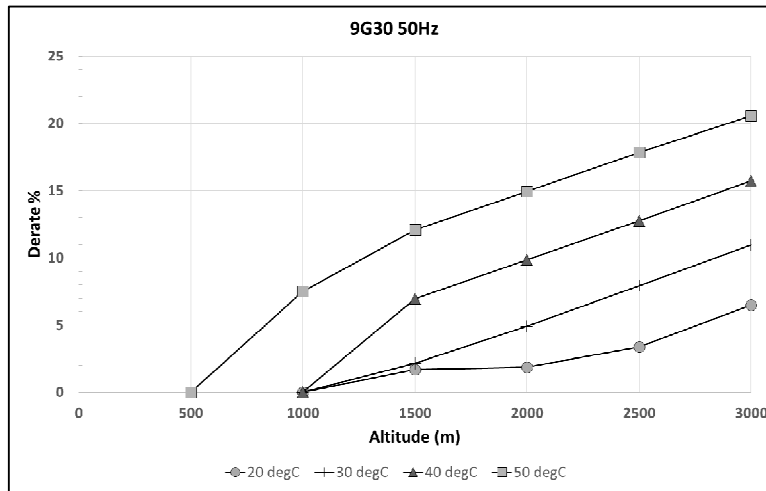
2. PERFORMANCE

1500rpm

1800rpm

Stand by Power (net)	kW	260	264
Prime Power (net)	kW	240	238
Continuous Power (net)	kW	160	167
Performance Condition			
temperature	°C	≤ 40	≤ 40
altitude	m	≤ 1000	≤ 1000
Derating			
temperature > 40°C	%/5°C	4,5%	4,5%
altitude > 1000m < 3000m	%/500m	see table	-

Derate Curves – 1500 rpm



3. COOLING SYSTEM

1500rpm

1800rpm

Type	Liquid	
Recommended Coolant	Havoline XLC %50 water - %50 glycol (WSS M97B44 D)	
Air to Boil (Prime Power)	°C	50
		TBD

4. LUBRICATION SYSTEM

1500rpm

1800rpm

Oil filter	1 x Full Flow + 1 x bypass, fitted on intake side	
Oil cooler	Combined with oil filter, fitted on intake side	
Oil pump	Rotor type	
CCV System	Available on the camcover	
Service interval	hours	500hr / 1 year
Oil specification	WSS M2C944 A1 (SAE 10W/40)	

5. INTAKE SYSTEM

1500rpm

1800rpm

Air filter type	Dual Stage - Dry type	
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6. FUEL SYSTEM

1500rpm

1800rpm

Fuel Consumption at			
Stand by	g/kWh (l/h)(kg/h)	191 [61.7] (51.8)	200 [67.9] (57.6)
Full Load	g/kWh (l/h)(kg/h)	192 [56.1] (47.1)	199 [61.6] (51.7)
75% Load	g/kWh (l/h)(kg/h)	190 [40.1] (34.9)	196 [46.6] (39.1)
50% Load	g/kWh (l/h)(kg/h)	192 [28.1] (23.6)	200 [33.7] (28.3)
Fuel filter	1 x Full Flow, fitted on intake side		
Pre Fuel Filter	Available in the genset kit		
Fuel Specification	EN590		

8. ELECTRIC SYSTEM
1500rpm
1800rpm

Voltage (negative to ground)	V	24
Starter Motor		
make		Melco
power	Kw	5,5
Alternator		
make		Melco
voltage	V	24
charge	Amp	130

9.COLD STARTING
1500rpm
1800rpm

Without air preheating	°C	-10°C
With air preheating	°C	-25°C

