

DIRECTORY

1 Specification and capabilities 2

1.1 General..... 2

1.2 Diesel engine..... 2

1.3 Batteries 2

1.4 Alternator 3

1.5 Capacities..... 3

1 SPECIFICATION AND CAPABILITIES

1.1 General

Manufacturer:	Hitzinger	
Type:	GPU90MDI1	
Voltage:	200/115	[V]
Frequency:	400	[Hz]
Nominal current:	260	[A]
Power factor:	0,8	[VAC]
Nominal power:	90	[kVA]
Max. power for 1 hour:	99	[kVA]
Max. power 400 Hz output I:	90	[kVA]
Max. power 400 Hz output II:	--	[kVA]
Max. current 28 VDC output:	600/2000 od. 800/2200	[A/A]
Standards:	ISO 6858, DFS 400, ARP 5015	
Ambient temperature (with cold-start facility):	-10 (-20)+40	[°C]
Relative humidity:	95	[%]
Max. altitude:	500	[m]
Sound level in 3 m distance, height 1,8 m:	≤77	[dBA]
Kind of protection:	IP44	
Dimensions (Length x width x height):	3300 x 1630 x 1730	[mm]
Weight (incl. full tank, 28VDC):	3500	[kg]
Max. towing speed:	30	[km/h]

1.2 Diesel engine

Manufacturer:	Deutz	
Type:	BF6M1013C	Euro2
Working cycle:	4-stroke	
Combustion system:	Turbo charging and direct injection	
Cylinder / Design	6 in line	
Power according ISO 3046:	113,8	[kW]
Max. Power:	125	[kW]
Speed:	1500	[rpm]
Bore / Stroke:	108/130	[mm]
Total displacement:	7146	[mm³]
Fuel consumption at full load:	appr. 200	[g/kWh]
Engine electrical system:	24	[V]
Weight:	748	[kg]
Speed regulation:	Deutz EMR	
Protection:	Oil pressure too low (0,4 bar +0,2), over speed(1800 rpm), cooling water temperature too high (>113 °C), cooling water shortage (<min level) oil shortage (<min level)	

1.3 Batteries

Manufacturer:	Sonnenschein	
Type:	A512/115A	
Power:	100 Ah	[Ah]
Voltage:	2x12 in series	[V]

1.4 Alternator

Manufacturer:	Hitzinger	
Type:	SGE6C32N	
Nominal power:	90	[kVA]
Max. power for 1 hour:	99	[kVA]
Nominal current:	260	[A]
Power factor:	0,8	
Voltage:	200/115	[V]
Speed:	1500	[rpm]
Frequency:	400	[Hz]
Isolation class:	F	
Kind of protection:	IP21	
Frame type:	B3	
Duty:	S1	
Standards:	VDE0530 / IEC 34	
Protection:	Thermistor (>145°)	

1.5 Capacities

Oil incl. Filters:	appr. 21	[litre]
Fuel tank:	appr. 270	[litre]
Cooling water:	22	[litre]