

100kVA Generator

Model: HRFW-100 T5



Generator Set Data

	50Hz	60Hz		50Hz	60Hz
VOLTAGE (V)	415/230V	480/277V	POWER FACTOR	cos φ 0,8	cos φ 0,8
RPM	1500	1800	FUEL TANK CAPACITY	450 Litres	
PRIME RATING	100 kVA	110 kVA	FUEL CONSUMPTION @ 80%	16.2 L/H	19.6 L/H
	80 kwe	88 kwe	DIMENSIONS	2810mm (L)	
MAX CURRENT	140 Amps			1150mm (W)	
				1940mm (H)	
Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capacity is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS5514.			WEIGHT	1890Kg (Without Fuel) 2340Kg (With Fuel)	
STANDBY RATING	107 kVA	121 kVA	MAXIMUM OPERATING AMBIENT	40°C	
	86 kwe	96 kwe	SOUND LEVEL	@ 100% load 68 dBa @7m	
Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS5514.			LIFTING ARRANGEMENTS		
CONTINUOUS RATING	100 kVA	110 kVA	Single Point Lift	Y	
	80 kwe	88 kwe	Fork Pockets	Y	

Applicable for supplying power continuously to a constant electric load for unlimited hours. Continuous Power (COP) in accordance with ISO 8528, ISO 3046, AS 2789, DIN 6271 and BS 5514.

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Engine

	1500rpm
MODEL	IVECO NEF45 TM 2A
MAX POWER @ 50HZ	96.2 KWm
ASPIRATION	TURBO
COOLING SYSTEM	WATER
SPEED GOVERNOR	ELECTRICAL
CYLINDERS NUMBER	4
DISPLACEMENT	4500 cm ³

Alternator

	1500rpm	1800rpm
MODEL	MECC ALTE ECP 34-2S4	
MAXIMUM POWER @ 50HZ	105kVA	126 kVA
MAX EFFICIENCY	92 %	94 %
EXCITER	AUX WINDING	
WIRES	12	
SHORT-CIRCUIT CURRENT	300%	350%
POLES	4	
INSULATION	CLASS H	
VOLTAGE REGULATION	± 1%	
PHASES	3+ N	
PROTECTION	IP 21	
AVR	DSR	

Control System

MODEL	DEEP SEA 7410
Manual Start	Y
Auto Start	Y
Set to Set Paralleling	N
Utility Paralleling	N
AUXILIARY SUPPLY	
Voltage	230
Via Connection Type	16A CFORM
Battery Charger	N
Coolant Heater	N
Enclosure Lighting ac	N
OUTPUT CIRCUIT BREAKER	
Make	SCHNEIDER
Model	NS160
Current Rating	160 Amp
Motorised	N
Trip Type	RCD
Bus Bars	Y
115A C Form 3 Phase Sockets	1
63A C Form 3 Phase Sockets	1
63A C Form single Phase Sockets	N
32A C Single Phase Sockets	4
16A C Single Phase Sockets	N
Road Towable Option	Y



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