

# 100kVA Generator

## Model: GX112FE



### Generator Set Data

	50Hz	60Hz		50Hz
VOLTAGE (V)	415/240V	n/a	POWER FACTOR	cos $\phi$ 0,8
RPM	1500	n/a	FUEL CONSUMPTION @ 100%	22.6 L/H
PRIME RATING	100 kVA	n/a	@ 80%	18.5 L\H
	80 kwe	n/a	@ 50%	13.4 L\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.			BUNDED DAY TANK	185L
STANDBY RATING	110 kVA	n/a	DIMENSIONS	2850 (L)
	88 kwe	n/a		1130 (W)
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.				1640 (H)
CONTINUOUS RATING	100 kVA	n/a	WEIGHT	1650 Kg (Without Fuel)
	80 kwe	n/a		1935 Kg (With Fuel)
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.			MAXIMUM OPERATING AMBIENT	40°C
			SOUND LEVEL	@ 100% load
				85 dBa @1m
				68 dBa @7m
			LIFTING ARRANGEMENTS	
			Single Point Lift	Y
			Fork Pockets	Y

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### Engine

	1500rpm
MODEL	IVECO NEF45 TE 2F
MAX POWER @ 50HZ	___ KWm
STANDBY POWER	___ KWm
ASPIRATION	TURBO
COOLING SYSTEM	WATER
SPEED GOVERNOR	ELECTRONIC
CYLINDERS NUMBER	4
DISPLACEMENT	4500 cm <sup>3</sup>

### Alternator

	1500rpm
MODEL	ECP34-TP
MAXIMUM POWER @ 50HZ	110 kVA
MAX EFFICIENCY	92 %
EXCITER	AUX WINDING
WIRES	12
SHORT-CIRCUIT CURRENT	300 %
POLES	4
INSULATION	CLASS H
VOLTAGE REGULATION	± 1%
PHASES	3+ N
PROTECTION	IP21
AVR	DSR

### Control System

MODEL	DEEP SEA 7310
CONTROL FUNCTIONS	
Manual Start	Y
Auto Start	Y
Set to Set Paralleling	N
Utility Paralleling	N
AUXILIARY SUPPLY	
Voltage	230V 10
Via Connection Type	16A CFORM
Battery Charger	Y
Coolant Heater	Y
Enclosure Lighting ac	Y
OUTPUT CIRCUIT BREAKER	
Make	SCHNEIDER
Model	NSX160E
Current Rating	160 AMP
Motorised	N
Trip Type	D
Bus Bars	Y
125A C Form 3 Phase Sockets	Y
63A C Form 3 Phase Sockets	N
63A C Form single Phase Sockets	N
32A C Single Phase Sockets	N



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