UPY13 | Industrial Range Powered by Yanmar

General Performance Data

Engine	Brand	Yanmar
	Model	3TNV88-GGE
Control module		Deep Sea 4520
Starting voltage	V	12
Frequency	Hz	50
Number of phases		3

		Prime	Standby
Power kVA		12	13
Power kW		9,6	10,4
Rated speed	r.p.m	1500	
Standard voltage	V	220	127
Available voltages	V	380	220
Power factor	Cos Phi	0,8	

Open

Dimension		
Length (L)	mm	1390
Height (H)	mm	995
Width (W)	mm	825
Weight	Kg	544
Fuel Tank	L	24

Silent

Dimension		
Length (L)	mm	1390
Height (H)	mm	995
Width (W)	mm	825
Weight	Kg	630
Fuel Tank	L	24

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	3
100% Prime	0000	2,8
75% Prime	0000	ND
50% Prime	0000	ND
25% Prime	0000	ND

Standards Followed

ISO9001	ISO14001
ISO8528	ISO12100
ISO13849	EN12601
GB12786	GB/T2820
IEC60034	IEC60204
CE	RETIE

Generador Profesional

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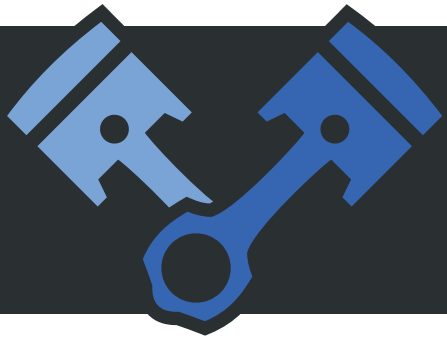
General Engine Data

Engine brand		Yanmar
Engine ref.		3TNV88-GGE
Engine type		4-stroke diesel
Governor type		Mechanic
Injection		Direct
Aspiration		normally aspirated
Number of cylinders and arrangement		3 - L
Bore and stroke	mm	88 x 90
Displacement	L	1.642
Cooling system		Water
Lube oil consumption with full load		0.5%-1%of fuel
Compression ratio		19.1:1
Engine oil capacity	L	6.7
Total coolant capacity	L	2
Air filter	Type	Dry

Optionals

- Diesel engine
- 4-stroke cycle
- Water-cooled
- 12V electrical system
- Water separator filter
- Dry air filter
- Radiator with pusher fan
- Electronic governor
- Hot parts protection
- Moving parts protection
- Water jacked heater
- Radiator water level sensor
- Oil heater
- Heavy duty air filter

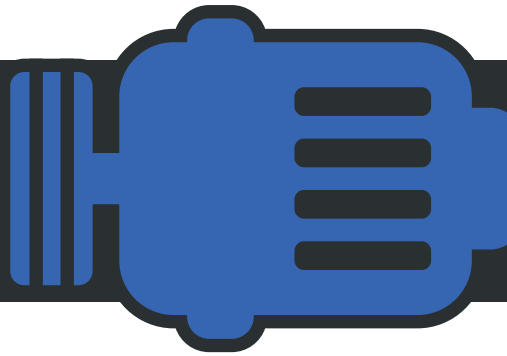


Alternator Specifications

Number of phase	3
Power factor	0.8
Poles	4
Winding Connections (standard)	Star-Serie
Insulation	H class
Enclosure (according IEC-34-5)	IP21
Excitation system	Auxiliary coil, brushless
Voltage regulator	Electronic
No. of bearings	Single bearing
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)

Optionals

- Self-excited and self-regulated
- IP23 protection
- H class insulation
- Alternator pre-heater
- Winding temp. measuring instrument
- PMG / AREP / MAUX



Generador Profesional

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Application Data

Fuel system		Open	Silent
Fuel oil specifications		Diesel	
Standard fuel tank capacity	L	24	24

Exhaust system		
Maximum exhaust temperature	ºC	82,22
Exhaust gas flow	L/s	60
Maximum allowed back pressure	kPa	12,7

Air system		
Intake air flow	L/s	ND
Cooling air flow	m³/s	ND

Starting system		
Starting power	kW	1.7
Recommended battery	Ah	TBD
Number of batteries		1
Auxiliary voltage	Vdc	12

Genset version

- Steel chasis
- Emergency stop button
- Anti-vibration shock absorbers
- Chassis with integrated fuel tank
- Fuel level gauge
- High mechanical strength
- Epoxy polyester powder coating
- Fuel tank drain plug
- Steel residential silencer - 20dbA attenuation
- Battery charger

Optionals

- Trailer type

Water-cooled | Three phase | 50 Hz | Diesel | Stackable canopy

Standard reference conditions

Ambient conditions of reference according to ISO 8528-1:2018 normative: 1000 mbar, 25ºC, 30% relative humidity.

Weights and dimensions based on standard products. Illustrations may include optional equipment.
Technical data described in this catalogue correspond to the available information at the moment of printing.

Control Panel Data

Features of the control panel	Basic Model (Standard)	Advanced Model (Optional)
Voltage between phases	o	o
Voltage between neutral and phase	o	o
Current intensities	o	o
Frequency	o	o
Apparent power (kVA)	o	o
Active power (kW)	o	o
Reactive power (kVAr)	o	o
Power factor	o	o
Voltage between phases	o	o
Emergency stop	o	o
Binary inputs	6/6	7/7
Analog inputs	3	3
2x10A Current outputs	o	-
I/O Configuration	o/o	o/o
D+ Function	o	o
Speed sensor	o	o
Amf/Mrs	o/o	o/o
GCB/MCB	o/o	o/o
3ph voltage measurement Gen./Mains	o/o	o
3ph current measurement	o	o
kW / kWh / kVA	o	o
Engine reading	o	o
Engine protection	o	o
Alternator protection	o	o
Earth current protection	o	o
History file	150	350
RTC/Battery	o/-	o/o
PLC	-	-
4G	x	-
Airgate	-	x
ECU CAN	o	o
MODBUS	x	x
MODBUS IP	x	x
SNMP	-	x
SNMP TRAPS	-	-
RS232	x	x
RS485	x	x
GSM/GPRS modem	x	x
Remote screen	x	x
Software for PC	x	x

Standard: o Optional: x Not Available: -