BY9T

INDUSTRIAL RANGE
Powered by YANMAR

SERVICE		PRP	ESP
POWER	kVA	8,3	8,9
POWER	kW	6,7	7,2
RATED SPEED	r.p.m.	1.500	
STANDARD VOLTAGE	V	400/230	
AVAILABLE VOLTAGES	V	230/132 · 230 V (t)	
RATED AT POWER FACTOR	Cos Phi	0,8	

INDUSTRIAL RANGE

INTERNACO S.A. Company with quality certification ISO 9001
INTERNACO's gensets are compliant with EC mark which includes the following directives:

- 2006/42/CE Machinery safety.
- 2014/30/UE Electromagnetic compatibility.
- 2014/35/UE electrical equipment designed for use within certain voltage limits
- 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- 97/68/EC Emissions of gaseous and particulate pollutants. (amended by 2012/46/EU)
- EN 12100, EN 13857, EN 60204

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

Prime Power (PRP):
According to ISO 8528-1:2018, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24 h of operation shall not exceed 70 % of the PRP.

Emergency Standby Power (ESP):
According to ISO 8528-1:2018, Emergency standby power is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP

Continuous Power (COP): According to Standard ISO 8528-1:2018, this is the maximum power available for continuous loads for unlimited running hours a year between the maintenance times recommended by the manufacturer under the environmental conditions established by the same.

STANDARD SOUNDPROOFING

- WATER-COOLED
- THREE PHASE
- 50 HZ
- NON REQUIRED 97/68
- DIESEL

BENZA®

Engine Specifications | 1.500 r.p.m.

Rated Output (PRP)	kW	8,2
Rated Output (ESP)	kW	9
Manufacturer		YANMAR
Model		3TNV76
Engine Type		4-stroke diesel
Injection Type		Indirect
Aspiration Type		Natural
Number of cylinders and arrangement		3-L
Bore and Stroke	mm	76 x 82
Displacement	L	1,116
Cooling System		Coolant
Lube Oil Specifications		SAE 3 class 10W30 / API grade CD,CF
Compression Ratio		23,5

Lube oil consumption with full load	g/kWh	0,27
Total oil capacity	L	3,5
Total coolant capacity	L	3,7
Governor	Type	Mechanical
Air Filter	Type	Dry
Inner diameter exhaust pipe	mm	40

- Diesel engine
- 4-stroke cycle
- Water-cooled
- 12V electrical system
- Water separator filter (visible level)
- Dry air filter
- Radiator with pusher fan
- Mechanical governor
- Hot parts protection
- Moving parts protection

Generator Specifications | STAMFORD

Manufacturer		STAMFORD
Model		S0L1.H1
Poles	No.	4
Connection type (standard)		Star-series
Mounting type		S-5 7"1/2
Insulation	Class	H class

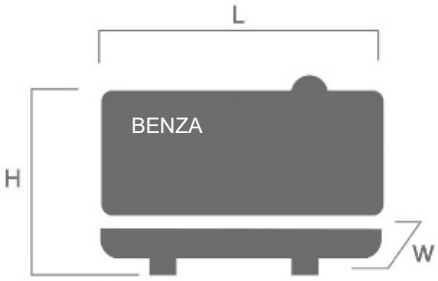
Enclosure (according IEC-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R. (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)

- Self-excited and self-regulated
- IP23 protection
- H class insulation

BY9T

WEIGHT AND DIMENSIONS

		Standard Version
Length (L)	mm	1.475
Height (H)	mm	1.110
Width (W)	mm	750
Maximum shipping volume	m³	1,22
Weight with liquids in radiator and sump	Kg	470
Fuel tank capacity	L	22
Autonomy	Hours	12
		Plastic tank



SOUND LEVEL

Sound power level 2000/14/CE	LwA 87dB	
Sound pressure level	dB(A)@7m	59 ± 2,4

APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	390
Exhaust Gas Flow	m³/min	2,08
Maximum allowed back pressure	mm H2o	1000
Exhaust Flange Size (external diameter)	mm	50

NECESSARY AMOUNT OF AIR

Intake air flow	m³/h	45,16
Cooling Air Flow	m³/s	0,583
Alternator fan air flow	m³/s	0,058

FUEL CONSUMPTION

Fuel Consumption 100% ESP	l/h	2,53
Fuel Consumption 100% PRP	l/h	2,31
Fuel Consumption 70 % PRP	l/h	1,7
Fuel Consumption 50 % PRP	l/h	1,4

FUEL SYSTEM

Fuel Oil Specifications		Diesel
Fuel Tank	L	22

STARTING SYSTEM

Starting power	kW	1,1
Starting power	CV	1,5
Recommended battery	Ah	66
Auxiliary Voltage	Vdc	12

- Steel chassis
- Anti-vibration shock absorbers
- Chassis with integrated fuel tank
- Fuel level gauge
- External emergency stop switch
- Bodywork made from high quality steel plate
- High mechanical strength
- Low noise emissions level
- Soundproofing provided by high-density volcanic rock wool
- Epoxy polyester powder coating
- Full access for maintenance (water, oil and filters, no need to remove the canopy)
- Watertight chassis (acts as a double barrier against liquid retention)
- Fuel tank drain plug
- Chassis drain plug
- Steel residential silencer -35db(A) attenuation.
- Oil sump extraction kit
- Versatility to assemble a high capacity chassis with a metallic fuel tank
- IP Protection according to ISO 8528-13:2016