BI275T

INDUSTRIAL RANGE
Powered by FPT_IVECO

SERVICE		PRP	ESP
POWER	kVA	250	275
POWER	kW	200	220
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. 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)
- 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.

G2 class load acceptance in accordance with ISO 8528-5:2018

STANDARD SOUNDPROOFING

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

Internaco has the right to modify any feature without prior notice.

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.

The illustrations and images are indicative and may not coincide in their entirety with the product.

Industrial design under patent.

BI275T

Engine Specifications | 1.500 r.p.m.

Rated Output (PRP)	kW	216,1
Rated Output (ESP)	kW	238,3
Manufacturer		FPT_IVECO
Model		N67.TE8P
Engine Type		4-stroke diesel
Injection Type		Direct, common rail
Aspiration Type		Turbocharged and after-cooled
Number of cylinders and arrangement		6-L
Bore and Stroke	mm	104 x 132
Displacement	L	6,7
Cooling System		Liquid (water + 50% glycol)
Lube Oil Specifications		10W-40 (API CJ-4, CK-4)
Compression Ratio		17:1

Lube oil consumption with full load		0,3 % of fuel consumption
Total oil capacity including tubes, filters	L	17
Total coolant capacity	L	27,6
Governor	Type	Electrical
Air Filter	Type	Dry

- Diesel engine
- 4-stroke cycle
- Water-cooled
- 24V electrical system
- Water separator filter (no visible level)
- Dry air filter
- Radiator with pusher fan
- Radiator water level sensor
- HTW sender
- LOP sender
- Electronic governor
- Hot parts protection
- Moving parts protection

Generator Specifications | STAMFORD

Manufacturer		STAMFORD
Model		UCDI274K
Poles	No.	4
Connection type (standard)		Star-series
Mounting type		S-3 11"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)

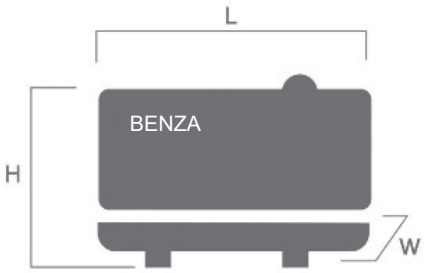
- Self-excited and self-regulated
- 4 poles
- AVR governor
- IP23 protection
- H class insulation
- Single drive-shaft
- Flexible disc coupling

BENZA®

BI275T

WEIGHT AND DIMENSIONS

		Standard Version
Length (L)	mm	3.800
Height (H)	mm	2.29
Width (W)	mm	1.400
Maximum shipping volume	m³	11,99
Weight with liquids in radiator and sump	Kg	3072
Fuel tank capacity	L	449
Autonomy (100% PRP)	Hours	9
		Steel tank



SOUND LEVEL

Sound power level 2000/14/CE	LwA 97 dB	
Sound pressure level	dB(A)@7m	68 ± 2,4

APPLICATION DATA

EXHAUST SYSTEM

Maximum allowed back pressure	kPa	0,02
Exhaust Flange Size (external diameter)	mm	140
Heat dissipated by exhaust pipe	KCal/Kwh	560

NECESSARY AMOUNT OF AIR

Intake air flow	m³/h	775,6
Cooling Air Flow	m³/s	3,97
Alternator fan air flow	m³/s	0,58

FUEL CONSUMPTION

Fuel Consumption ESP	l/h	59,7
Fuel Consumption 100% PRP	l/h	52,4
Fuel Consumption 70 % PRP	l/h	36,1
Fuel Consumption 50 % PRP	l/h	25,7

FUEL SYSTEM

Fuel Oil Specifications		Diesel
Fuel Tank	L	449

STARTING SYSTEM

Recommended battery	Ah	50 x 2
Auxiliary Voltage	Vdc	24

- Steel chassis
- Anti-vibration shock absorbers
- 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
- Reinforced lifting hooks for crane hoisting
- Watertight chassis (acts as a double barrier against liquid retention)
- Fuel tank drain plug
- Chassis drain plug
- Chassis ready for future mobile kit installation
- 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