BI175T

INDUSTRIAL RANGE
Powered by FPT_IVECO

SERVICE		PRP	ESP
POWER	kVA	160	175
POWER	kW	127	140
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 Company with quality certification ISO 9001
INTERNACO 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, 25°C, 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

STAGE 2

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.

BI175T

Engine Specifications | 1.500 r.p.m.

Rated Output (PRP)	kW	135,9
Rated Output (ESP)	kW	150,2
Manufacturer		FPT_IVECO
Model		NEF67TM3A
Engine Type		4-stroke diesel
Injection Type		Direct
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		ACEA E3 - E5
Compression Ratio		17,5 : 1

Lube oil consumption with full load		0,5 % of fuel consumption
Total oil capacity including tubes, filters	L	17,2
Total coolant capacity	L	25,5
Governor	Type	Mechanical
Air Filter	Type	Dry
Inner diameter exhaust pipe	mm	70

- Diesel engine
- 4-stroke cycle
- Water-cooled
- 12V electrical system
- Water separator filter (no visible level)
- Dry air filter
- Radiator with pusher fan
- Mechanical governor
- Hot parts protection
- Moving parts protection
- Radiator water level sensor (Opcional).
- HTW sender (Opcional).
- LOP sender (Opcional).

Generator Specifications | STAMFORD

Manufacturer		STAMFORD
Model		UCI274F
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)

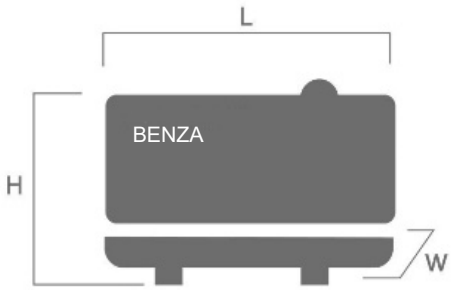
- Self-excited and self-regulated
- 4 poles
- AVR governor
- IP23 protection
- H class insulation
- Single drive-shaft
- Flexible disc coupling

BENZA®

BI175T

WEIGHT AND DIMENSIONS

		Standard Version
Length (L)	mm	3.300
Height (H)	mm	1.800
Width (W)	mm	1.200
Maximum shipping volume	m³	7,75
Weight with liquids in radiator and sump	Kg	2210
Fuel tank capacity	L	450
Autonomy (100% PRP)	Hours	12
		Plastic tank



SOUND LEVEL

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

APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	570
Exhaust Gas Flow	kg/s	0,205
Maximum allowed back pressure	kPa	5
Exhaust Flange Size (external diameter)	mm	120
Heat dissipated by exhaust pipe	KCal/Kwh	688,9

NECESSARY AMOUNT OF AIR

Intake air flow	m³/h	586
Cooling Air Flow	m³/s	3,8
Alternator fan air flow	m³/s	0,514

FUEL CONSUMPTION

Fuel Consumption ESP	l/h	39
Fuel Consumption 100% PRP	l/h	36
Fuel Consumption 70 % PRP	l/h	25,33
Fuel Consumption 50 % PRP	l/h	18

FUEL SYSTEM

Fuel Oil Specifications		Diesel
Fuel Tank	L	450

STARTING SYSTEM

Starting power	kW	3
Starting power	CV	4,08
Recommended battery	Ah	100
Auxiliary Voltage	Vdc	12

- 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
- Full access for maintenance (water, oil and filters, no need to remove the canopy)
- 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