BI660T

INDUSTRIAL RANGE
Powered by FPT_IVECO

SERVICE		PRP	ESP
POWER	kVA	598	657
POWER	kW	478	525
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, 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
- NON REQUIRED 97/68
- 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.

BI660T

BENZA®

Engine Specifications | 1.500 r.p.m.

Rated Output (PRP)	kW	504
Rated Output (ESP)	kW	556
Manufacturer		FPT_IVECO
Model		CR16 TE1W
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	141 x 170
Displacement	L	15,9
Cooling System		Liquid (water + 50% glycol)
Lube Oil Specifications		ACEA E3 - E5
Compression Ratio		16,5:1

Lube oil consumption with full load		0,2 % of fuel consumption
Total oil capacity including tubes, filters	L	38
Total coolant capacity	L	66,5
Heat dissipated by coolant	kW	200
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		HCI544E
Poles	No.	4
Connection type (standard)		Star-series
Mounting type		S-1 14"
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)

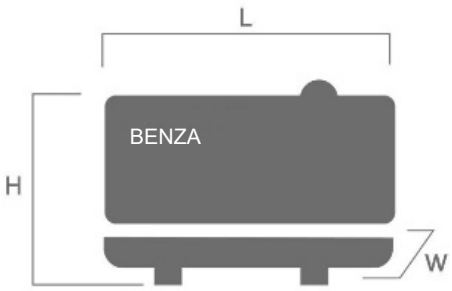
- Self-excited and self-regulated
- 4 poles
- AVR governor
- IP23 protection
- H class insulation
- Single drive-shaft
- Flexible disc coupling

BENZA®

BI660T

WEIGHT AND DIMENSIONS

		Standard Version
Length (L)	mm	4.500
Height (H)	mm	2.340
Width (W)	mm	1.800
Maximum shipping volume	m³	18,95
Weight with liquids in radiator and sump	Kg	5305
Fuel tank capacity	L	740
Autonomy (100% PRP)	Hours	6
		Steel tank



SOUND LEVEL

Sound power level 2000/14/CE	LwA 108 dB
Sound pressure level dB(A)@7m	79 ± 2,4

APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	557
Maximum allowed back pressure	kPa	7
Exhaust Flange Size (external diameter)	mm	160
Heat dissipated by exhaust pipe	kW	378

NECESSARY AMOUNT OF AIR

Intake air flow	m³/h	2630
Cooling Air Flow	m³/s	10,53
Alternator fan air flow	m³/s	1,035

FUEL CONSUMPTION

Fuel Consumption ESP	l/h	128,6
Fuel Consumption 100% PRP	l/h	115,12
Fuel Consumption 70 % PRP	l/h	80,82
Fuel Consumption 50 % PRP	l/h	58,49

FUEL SYSTEM

Fuel Oil Specifications		Diesel
Fuel Tank	L	740

STARTING SYSTEM

Starting power	kW	5,5
Starting power	CV	7,48
Recommended battery	Ah	185
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
- 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