

MODEL: IGNITE POWER IPC-150

Ignite Power



(Picture is for illustration purpose only)

**150 kVA / 120 kW
POWERED by Cummins**

DIESEL GENERATING SET 400/230V - 50 Hz, 1500RPM

MODEL		IGNITE POWER IPC-150	
Power Pf. 0.8	Standby	kVA	165
		kW	132
	Prime	kVA	150
		kW	120

- High quality, reliable and complete power unit
- Compact design
- Easy start and maintenance possibility
- Every generating set is subject to a comprehensive test program which includes full load testing, checking and provision of all control and safety shut down functions testing
- Fully engineered with a wide range of options and accessories: Canopy, sound proof canopy and on - road trailer



ENGINE

Ignite Power

Cummins		
Model		6BTAA5.9 - G2
Engine Power Output at rated rpm	kWm	130.0
	HP	174.0
Aspiration and Cooling		Turbocharged
Total Displacement	Litre	5.9
No. of Cylinders and Build		6 - Vertical Inline
Engine Speed	rpm	1500
Bore and Stroke	mmxmm	102 x 120
Compression Ratio		17.3:1
Governor		Electronic
Fuel Consumption at full load	L/hr	30.0
Fuel Tank Capacity	Litre	8 Hours
Oil Capacity	Litre	16.4
Coolant Capacity	Litre	21
Radiator Cooling Air	m ³ /min	222
Air Intake – Engine	L/sec	120
Exhaust Gas Flow	L/sec	328

- Heavy duty Cummins diesel engine
- Four stroke, water, cooled, turbo charged
- Direct injection fuel system
- Electronic Governor system
- 12/24 V D.C. starter and charge alternator
- Replaceable fuel filter, oil filter and dry element air filter

- Cooling radiator and fan
- Starter battery including Rack and Cables
- Flexible fuel connection hoses and manual oil sump drain valve
- Industrial capacity exhaust silencer and steel bellows
- Jacket water heater(at automatic models) Optional
- Operation manuals and circuit diagram documents

ALTERNATOR

STAMFORD
power generation

LEROY SOMER

Design	Brushless single bearing, revolving field
Stator	2/3 pitch
Rotor	Single bearing, flexible disc
Insulation System	Class H
Standard Temperature Rise	125 - 163°C Continuous
Exciter Type	Self Excited
Phase Rotation	Clockwise
Alternator Cooling	Direct drive centrifugal blower fan
AC Waveform Total Harmonic Distortion	No load < 3.5%. Non distorting balanced linear load < 5%
Telephone Influence Factor (TIF)	<50
Telephone Harmonic Factor (THF)	<2%

- Brushless, single bearing system, flexible disc, 4 poles
- Insulation class H
- Standard degree of protection IP23
- Self-exciting and self-regulating

- Impregnation with tropicalised epoxy varnish
- Solid state Automatic Voltage Regulator
- Stator winding with 2/3 pitch for improved harmonics

CONTROL SYSTEM

Ignite Power

Control supervision and protection panel is mounted on the genset base frame. The control panel varies depending on requirement, in general Ignite Power generators are equipped with **Deep Sea UK DSE4520**. The main features for Deep Sea are as follows:

KEY BENEFITS

Hours counter provides accurate information for monitoring and maintenance periods

User-friendly set-up and button layout for ease of use

Multiple parameters are monitored simultaneously which are clearly displayed on a large back-lit icon display

- The module can be configured to suit a wide range of applications

Compatible with a wide range of CAN engines, including tier 4 engine support

- Uses DSE Configuration Suite PC Software for simplified configuration

Licence-free PC software

IP65 rating (with optional gasket) offers increased resistance to water ingress

KEY FEATURES

Large back-lit icon display
Heated display option available

- Fully configurable via the fascia or PC using USB

communication

Efficient power save mode

3 phase generator sensing

3 phase mains (utility) sensing (DSE6620 only)

Generator/load power monitoring (kW, kV A, kV Ar, pf)

Generator overload protection

Generator/load current

monitoring and protection

Breaker control via fascia

buttons

Fuel and start outputs

(configurable when using CAN)

- 4 configurable DC outputs

- 4 configurable analogue/digital

inputs

- 6 configurable digital inputs

- Configurable staged loading

outputs

CAN, MPU and alternator speed sensing in one variant
3 engine maintenance alarms

Engine speed protection

Engine hours counter

Engine pre-heat

Engine run-time scheduler

Engine idle control for

starting & stopping

Fuel pump control

Real time clock

options available

Battery voltage

monitoring

Start on low battery

voltage

- Configurable remote

start input

- 1 alternative configuration

Comprehensive warning,

electrical trip or shutdown

protection upon fault condition

LCD and LED alarm indication

- Configurable event log (50)



Also Gensets can be equipped with different control panels depending on usage such as:

DSE 6610: Basic Autostart operation with stand alone application

DSE 7310: advanced Autostart operation with high protections

DSE 7320: advanced auto mains failure operation with high protection

DSE 8610: for synchronization application/solution

OPTIONAL EQUIPMENTS

Diesel Engine

- Oil heater

Alternator

- 3/4 Pole Output Circuit Breaker

- Anti - condensation Heater

Panel

- Charge ammeter

- Transfer Switch 3 Pole

- Transfer Switch 4 Pole

- Earth Fault, single set

Accessories

- Bulk fuel tank

- Automatic filling system

- Fuel - water separator filter

- Low fuel level alarm

- Residential silencer

- Enclosure or sound proof canopy

- Trailer

- Manual oil drain pump

- Tool kit for maintenance