

MODEL: IGNITE POWER IPY-20



20 kVA / 16 kW
POWERED BY YDO

DIESEL GENERATING SET 400/230V, 380/220V - 50 Hz

MODEL		IGNITE POWER IPY-20	
Power Pf. 0.8	Standby	kVA	22
		kW	18
	Prime	kVA	20
		kW	16

- 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

YDO		
Model	Y490D	
Specification of Diesel Engine		
Aspiration and Cooling		Water Cooling
Total Displacement	Litre	2.67
No. of Cylinders and Build		4 - Vertical
Engine Speed	rpm	1500
Bore and Stroke	mmxmm	90 x 105
Compression Ratio		18:1
Governor		Mechanical
Fuel Consumption at full load	L/hr	5.0 (approx)
Fuel Tank Capacity	Litre	60 Liters
Oil Capacity	Litre	08
Flywheel Size		SAE 7.5"
Cooling Method		Forced Watercooling
Combustion Chamber Type		Direct Injector
Exhaust Temperature	(°C)	500

- 🔧 YDO diesel engine
- 🔧 Four stroke, water cooled, turbo charged
- 🔧 Direct injection fuel system
- 🔧 Mechanical governor system
- 🔧 12/24V starter motor
- 🔧 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

ALTERNATOR



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 < 1.5 - 3%.
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 IP21/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