



Water Cooled



50 Hz



Easy  
Maintenance



Three Phase



Diesel



Warning System  
for Fuel Level

## GENERAL FEATURES

## PRIME

## STANDBY

Power	KVA	20.2	22.5
Power	KW	16	18
Power	(cos Phi=0,8) A	29	32.4
Standard Voltage	V	400/230	
Revolutions per minute	r.p.m	1500	
Rated at power factor	Cos Phi	0,8	

Our company has ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 10002:2018 quality certificates. Fe Power generators comply with the CE marking, which includes the following directives:

- 2006/42/EC, Machinery safety
- 2006/95/EC, Low Voltage (LVD) Directive
- TS EN 60204-1, TS EN 88528-11, TS 12650, TS ISO 8528-1, TS ISO 8528-2, TS ISO 8528-3, TS ISO 8528-4, TS ISO 8528-5, TS ISO 8528 - 6, TS ISO 8528 – 8, TS ISO 8528-12, TS 3033 EN 60529, TS EN 60034-22, TS EN 88528-11, TS HD 60364-5-551

## STANDARD FEATURES

- 4 Stroke, 1500 RPM, water-cooled heavy-duty diesel engine
- Dry type replaceable air filter
- Radiator capable of cooling up to 50 ° C
- Flexible oil pipes and oil draining valve
- Pre-heater
- 4 Poles, synchronize, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis.
- Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- User manual and operating manual

## OPTIONAL FEATURES

- Soundproof canopy
- Automatic transfer switch
- Circuit breaker
- Trailer / Land transport
- External fuel tank
- Heating system for fuel tank
- Oil heater
- Fuel filling system
- (Automatic / Manual)
- Analogue indicators
- 1 - 3 Phase switch plugs
- Alarm system for fuel level
- Remote control monitoring system

## ENGINE SPECIFICATION

Brand		YANGDONG
Model		YND485D
Standby / Prime	(kW)	19/25.48
Revolutions Per Minute	(r.p.m.)	1500
Cylinder Displacement	(L)	2.21
Number of Cylinder		4 IN LINE
Bore x Stroke	(mm x mm)	84 x 100
Compression Rate		23.3: 1
Governor Type		MECHANICAL
Cooling System		TURBO CHARGER INTERCOOLED
Spray Shape		DIRECT
Cooling Shape		WATER COOLED
Electric System	(V)	12
Lubrication Oil Capacity	(L)	5.5
Engine Coolant Capacity	(L)	7
Fuel Tank	(L)	75
Fuel Consumption 50%	(L/h)	3.46
Fuel Consumption 75%	(L/h)	4.36
Fuel Consumption 100%	(L/h)	5.2

\* Replaceable cylinder jacket \* Dry type replaceable oil filter \*Heat –resistant radiator for 50 °C

## ALTERNATOR SPECIFICATIONS

Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		H
Protection		IP 22
Efficiency	(%)	92.4
Overloading		%110 FOR 1 HOURS
Power Factor	(cos Ph)	0.8
Total Harmonic Distortion Rate		THF < 2 %
Connection Type		STAR
Number of Pole		4
Number of Bearing		SINGLE

\*4 Poles, Self – Excitation and Self-Cooled, Brushless, Synchro type alternator \*Electronic type automatic voltage regulator [ AVR]

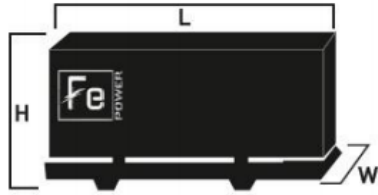
### STANDBY POWER;

It is the limited time operating power under variable load. Used as backup power at mains power failure. Overloads are not allowed.

### PRIME POWER;

It is the continuous operating power under variable load. According to ISO 3046, 10% overload is allowed for 1 hour per 12 hours.

**SPECIFICATION WITH CABIN**



Length (L)	mm	1950
Height (H)	mm	1130
Width (W)	mm	880
Wet weight	kg	585
Fuel Tank Capacity	L	75

**GENSET CONTROLLERS**

**deep sea 6120**

