

GENSET MODEL	NPN-22KVA
Prime power	20kva
Standby power	22kva
Power factor (Cos Q)	0.8
Chasis	Heavy duty
Fuel tank	Fuel tank for 8 hour full load operation

# NORTHPOWER



### PRIME POWER

Means running in 70% average load in an unlimited time as a mains backup. 10% overload is permitted

### STANDBY POWER

Means running in variable load in limited period of time where the mains is good. Overload is not allowed

Diesel engine	
Brand	YANGDONG
Modell	Y485 BD
Engine speed	1500 d/dak.
Frequency	50 Hz.
Displacement	2,156 liter
Cycle	4
Cylinder number, arrangement of	4 line type
Injection system	Direct
Bore x stroke	95 mm x 100 mm
Governor System	Mechanical
Aspiration	Turbocharged
Cooling system	Water cooled and radiator
Fuel Consumption	
(100 % load)	4.4lt/h
Operation mode	Electric starting
Tank capacity	92lt
Electrical system	12 V DC

Alternator	
Synchronous, brushless, self excited, with AVR, damper windings	
Voltage	231/400 V
Frequency	50 Hz.
Phase number	3
Pole number	4
Insulation class	H
Drip proof	IP 23
Voltage regulation	+/-%1
Overload capability %100	92
Wiring lead	12
Insulation strenght	min 1800 volt
Short circuit current	%300 (10 sn)
Alternator: Mesmax Alternator model: LJS184E	
Dimensions and weight	
Open Type	Canopy
1350X1000X950	1800X1000X1320
Weight(Kg):600	Weight(Kg):750

### MANUEL CONTROL PANEL

1 quantity generator control unit (DATAKOM-D-300)  
1 quantity emergency stop button  
1 quantity 3 poles thermal magnetic breaker  
The required insurance and relays

### AUTOMATIC PANEL

1 quantity generator control unit (DATAKOM-D-300)  
1 quantity emergency stop button  
Transfer for generator and mains  
Battery charger  
The required insurance and relay

### CHASSIS

Diesel engine and alternator connected directly to each other with a flexible disc coupling, is mounted on the chassis are made for heavy duty. Chassis also has a specially designed lifting points

### CANOPY

Used robust and corrosion resistant construction, modular structure, easy transport and assembly capability, effective insulation and heat resistant insulating material with high density, open type doors on both sides for maintenance and fault interventions, glazed door for monitoring and control of the control board, heavy climatic conditions and corrosion-resistant paint.

### FUEL TANK

500 kVA and above groups are designed external fuel tank type, integrated with the chassis, at least 8 hours to run at full load capacity of generator is available in the group. There are fuel tanks on the fuel gauge, fuel filter and ventilation.

### SILENCER

Industrial type exhaust silencers. Compensator and flexible connection equipments which used in hardware are painted with heat-resistant, non-flammable paint and to be provided extraprotection with fiber glass fabric and aluminum foil.

### BATTERY

Used maintenance-free, dry, rechargeable type on battery.