YDH21E3/S3

YANGDONG series

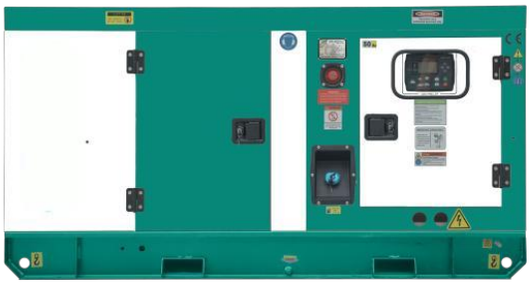

PHOTO FOR REFERENCE ONLY

Standard Accessories

- Radiator 50℃ max，fans are driven by belt, with safety guard
- Dry type air filter, fuel filter, oil filter
- Ripple flex exhaust pipe, exhaust siphon (only silent type)
- Muffler
- Shock absorber
- Forklift hole
- Standard packed by stretch film
- Varta/Sail brand battery
- Breaker: DELIXI
- Bottom fuel tank
- Standard digital control panel
- Denyo type/trailer type/enlarge bottom fuel tank type for optional
- User manual

Generator Features

- Good ventilation system and prevent heat radiation measures to ensure that the unit is always working in a suitable environment temperature.
- Large capacity base fuel tank, available for 8 to 12 hours continuous load operation.
- Dedicated noise reduction silencer material, to a great extent suppression of mechanical noise.
- The efficient damping measures to ensure the smooth running of the diesel generator set.
- The appropriate location of the muffler shell dedicated observation window and emergency stop button, convenient to use operation and observation unit operating status.

Generator Specification	
Model	YDH21E3/S3
Standby Power	17KW/21KVA
Prime Power	15KW/19KVA
Rated Voltage/ Frequency	400V 50HZ
Phase	Three
Current	27A
Engine Model	YND490D
Alternator Model	Y184ED
Control Panel	DEIF-SGC420
ATS	For optional
Fuel Tank Capacity (L)	About 8 hours fuel tank
Altitude Condition	≦1000M
Ambient Temperature	-25 - 40℃
Relative Humidity	≤60%

- Voltage Available:

50Hz: 380-400-415V/220-230-240V;
60Hz: 220-380-416-440-480V/110-208-220-240V
Any special voltage is also available as client's request.

- Prime Power:

Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97 (eqv ISO8528); A 10% overload capability is available for a period of 1 hour within a 12 hour period of operation.

- Standby Power:

The standby power rating is applicable for supply emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage, operation capability is available at the rating.

Dimensions and Weight				
Model	Length mm	Width mm	Height mm	Weight kg
Open type	1300	750	960	550
Silent type	1950	910	1170	742

Notice: The size and weight are only for reference.

Engine Data	
Brand	YANGDONG
Model	YND490D
Frequency/Speed	50HZ/1500RPM
Rated Power (KW)	20
Compression Ratio	18
Bore and Stroke (MM)	90*95
Displacement (L)	2.42
Engine Character	In-line,4 strokes,direct injection
Cooling system	Forced water-cooled
Cylinder (L)	4
Governor	Mechanical
Start Mode	Electric start
Intake Way	Naturally aspirated
Fuel Consumption Rate (G/KWH)	245
Oil Capacity (L)	7

Alternator Data	
Brand	CHINESE BRAND
Model	Y184ED
Frequency/Speed	50HZ/1500RPM
Rated Power (KW)	15KW/19KVA
Standby Power (KW)	17KW/21KVA
Phase	Three
Connection	4 Wire
Bearing Number	1
Protection Class	IP23
Insulation Class	H
Power Factor	0.8
Excitation	Brushless, self-excitation
Winding/ Pitch	100% Copper，2/3 Pitch
Voltage-regulating System	AVR
Steady State Voltage Regulation	≦±1%

Standard Control Panel

DEIF-SGC420

Brief Introduction:

The DEIF-SGC420 controller front panel consists of four parts: LCD screen, direction navigation key, mode selection key and start/stop key.The controller has no manual mode button, and the default mode is manual mode. Pressing the stop button in automatic mode will switch to manual mode.

Function:

◇High/Low Voltage Alarm
◇High Temperature Alarm
◇Overspeed Alarm
◇Low Oil Pressure Alarm
◇Start Failure Alarm
◇Data Measurement

Controller Options

ATS Option

Note: Our factory have Smartgen, Deep sea, Comap or other brand controller and ATS for our customer's choice,If you need these equipment, please contact our salesman for relative cost ,thanks.

Service & Warranty

1.Warranty is according to our standard conditions: 12 months or 1,000 running hours, subject to the earlier one.
2.We take charge of all troubles caused by the fault of gensets and repair according to the regulation stipulated by original plants.
3.Factors are not in accordance with the regulation of original plants such as fragile parts, daily consumed components, wrong operating, lack of maintenance are not including in the quality guarantee.