

## YNZ-30 Natural Gas/LP Gas Genset



\*enclosed (sound) unit

### Generator Set Ratings- NG

Voltage	PH	Hz	Standby Output kW (kVA)	Prime Output kW (kVA)	Standby Max Amp Output	Prime Max Amp Output	# of Wires
120/240	1	60	31.6 (31.6)	28.4 (28.4)	132	118	4
120/240	1	60	21 (21)	21 (21)	87.5	87.5	12
120/208	3	60	31.6 (39.5)	28.4 (35.5)	110	99	12
120/240	3	60	31.6 (39.5)	28.4 (25.5)	95	86	12
277/480	3	60	31.6 (39.5)	28.4 (35.5)	48	43	12

Stand-by ratings are applicable for the duration of any power outage. No overload is available at these ratings. Prime ratings are continuous per BS 5514, DIN 6271, ISO3046 & IEC 34-1. Overload capacity on prime-power ratings is 10% for one hour in each twelve hours of operation. All single phase ratings are based on a 1.0 power factor, three (3) phase ratings based on a .8 power factor. Ratings are established based on 85°F ( 29°C ) and an elevation of 1,000 feet (305 meters ).

### Standard Enclosed Generator Set Features

- Zenith Natural Gas/ Propane Model ZPP NA 428 2.8 L Engine Single Bearing Direct Coupled Alternator With Class 'H' insulation, Sized for 125°C Temperature Rise.
- Weather Protective Sound Attenuated Enclosure constructed of Steel with Powder Coat Paint Finish & Stainless Steel Hardware. 67-69 DBA Sound Level.
- Enclosure includes:
  - Critical Rated Interior Mounted Exhaust Silencer & Stainless Steel Flex Connection
  - Oil & Coolant Drain Lines w/ Ball Valves
  - Hinged / Removable / Keyed Alike Doors
- DSE 6020 Control Panel Mounted Inside Enclosure with access window to allow exterior viewing.
- Mounted on Steel Sub-Base with four (4) vibration isolators, Lifting Eyes and opening for Electrical Stub-up.
- Radiator sized for 120°F Ambient Temperature
- Dry Type Air Cleaner
- 12-Volt Starter, Engine Mounted Battery Charging Alternator, Battery Cables, and Rack along with Grounding Strap.
- Full Load Factory Test with Safety Shutdown.
- One Complete Operation and Maintenance Manual

### Standard Open Generator Set Features

- Zenith Power Products ZPP NA 428 2.8 L NG Engine Single Bearing Direct Coupled Alternator With Class 'H' insulation, Sized for 150°F Temperature Rise
- Vertical Industrial Exhaust Muffler with Rain Cap, (Loose)
- Four (4) Corner Lifting Eyes and four (4) Vibration Isolators
- Radiator sized for 120°F Ambient Temperature
- DSE 6020 Control Panel with Auto Start/Stop
- Dry Type Air cleaner
- 12-Volt Starter, Engine Mounted Battery Charging Alternator, Battery Cables, and Rack
- Full Load Factory Run Test With Safety Shutdown
- One Complete Operation and Maintenance Manual

### Optional Equipment

- Thermostatically Controlled Jacket Water Heaters
- Starting Batteries
- Critical Rated Exhaust Silencers
- Remote Annunciators.
- Automatic Transfer Switches
- Water Separator Fuel Filters

## Engine Specifications - CARB & EPA Certified

### Model: Zenith ZPPNA416

Prime Power: NG: 28.4kW @ 1800 rpm  
LP: 30.9 kW @ 1800 rpm

Size: 2.8 Liter

Bore and Stroke: 3.874" x 3.583" (98.4 mm x 91.0 mm)

Naturally Aspirated, 4 cylinder in-line

Direct Injected, 4 Cylinder in-Line

Governor Type - Electronic

Freq. Regulation: Isochronous, Steady-State Electrical system: Starter, 12-volt. Alternator 80 amp

Recommended Battery Size: 640 CCA

### Fluids:

Oil capacity - 3.8 Liters / 4.0 Qts

Oil Filter - Dry type, Spin-on

Coolant capacity - 2 gal

**Fuel Consumption** LP: 19.9 lb/hr @ 1800 RPM

NG: 19.6 lb/hr @ 1800 RPM

## Alternator Specifications

**Alternator:** Yanan SLG184H3W

Power Factor:	0.8
Phase:	3
Connection:	3P 4W, Y
Winding Pitch:	connection 2/3
Insulation Class:	H/H
Tel. Influence:	TIF: <50
Harmonic:	THF: <2%
Coefficient Voltage:	≥±5%

Rate Power:	37.5 kW
Voltage:	480, 208, 240 V
Frequency:	60 Hz
Bearing:	Single Bearing
Protection:	IP21
Class:	80.70%
Efficiency:	±1.0%
Voltage:	YN440
Regulation AVR:	Self Excited

## Panel Specifications and Functions



Operational features:

- Alternator over/under voltage warning & shutdown
- Alternator over/under frequency warning & shutdown
- Engine over/under speed warning & shutdown
- Low oil pressure warning & shutdown
- High engine temperature warning & shutdown
- High/Low battery voltage warning
- Over-current warning/electrical trip/shutdown
- Built-in adjustable exercise scheduler
- Event logging of shutdown events
- External remote start input (on or off load)
- Magnetic pick-up or alternator monitoring
- 6 digital inputs—fully user configurable
- 3 configurable relay outputs

### DeepSea 6020 Digital Control with auto-logic

J1939 Compatible

Can bus RS485 & 232 interface connections

Graphic Icon Based LCD lighted Display

## Dimensional and Mounting Specifications

### Open Style Unit

LxWxH: 90.6"x43.3"x46"

Weight: ~ 1300 lbs

### Enclosed Style Unit

LxWxH: 90.6"x43.3"x50.4"

Weight: ~ 2000 lbs

Authorized Dealer:

Specifications are subject to change without notice