

YANMAR®

AIR COOLED DIESEL GENERATORS

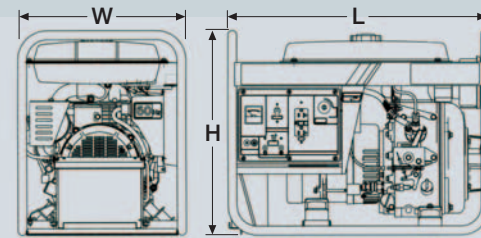
YDG series

MAX. AC Output
2.2~6.6kVA



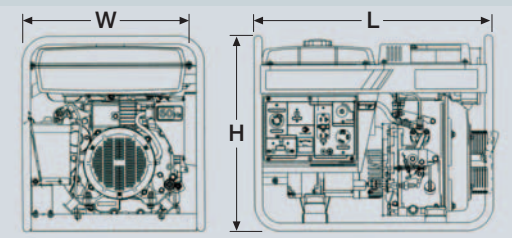
DIMENSIONS Unit:mm (in.)

YDG-2700N



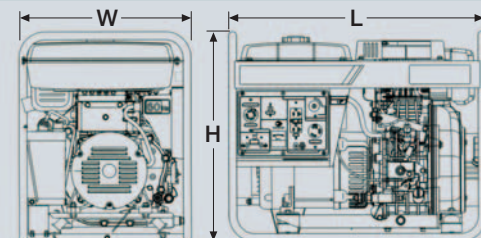
| | | L | W | H |
|-----------|------------|------------|------------|------------|
| YDG-2700N | (Recoil) | 590(23.23) | 416(16.38) | 500(19.69) |
| | (Electric) | 649(25.55) | 416(16.38) | 500(19.69) |

YDG-3700N



| | | L | W | H |
|-----------|------------|------------|------------|------------|
| YDG-3700N | (Recoil) | 650(25.59) | 496(19.53) | 530(20.87) |
| | (Electric) | 650(25.59) | 496(19.53) | 530(20.87) |

YDG-5500N / YDG-6600TN



| | | L | W | H |
|------------|------------|------------|------------|------------|
| YDG-5500N | (Recoil) | 720(28.35) | 480(18.90) | 578(22.76) |
| | (Electric) | 720(28.35) | 480(18.90) | 578(22.76) |
| YDG-6600TN | (Recoil) | - | - | - |
| | (Electric) | 720(28.35) | 480(18.90) | 578(22.76) |



Control panel: YDG3700N-E

ACCESSORIES

| Model | | YDG2700N | YDG3700N | YDG5500N | YDG6600TN |
|-----------------|--------|----------|----------|----------|-----------|
| AC dual voltage | | ● | ● | ● | - |
| AC breaker | | ○ | ○ | ○ | ○ |
| 12V DC output | | ○ | ○ | ○ | - |
| DC breaker | | ○ | ○ | ○ | - |
| Voltage meter | Single | ○ | ○ | ○ | ● |
| | Dual | ● | ● | ● | ○ |
| Pilot lamp | | - | - | - | - |
| Oil alert | | ○ | ○ | ○ | ○ |
| Fuel gauge | | ○ | ○ | ○ | ○ |
| Recoil start | | ○ | ○ | ○ | - |
| Electric start | | ● | ● | ● | ○ |
| Tool set | | ○ | ○ | ○ | ○ |

YANMAR CO.,LTD.

1-32, Chayamachi, Kita-ku, Osaka 530-8311, Japan
Telephone: +81-6-6376-6411 Facsimile: +81-6-6377-1243
www.yanmar.co.jp

Note: All data subject to alteration without notice.

The New YDG from Yanmar For Power and Economy

If you are looking for a silent, compact, power source, with minimum fluctuations, the YDG is waiting for you. Durability and long operation are designed in. Mobility approaches that of a gasoline generator. And the direct injection air-cooled diesels, the amongst smallest in the world, offer very good fuel savings. The power is high. The cost is low. Specifications and accessories are available for most markets. Listen carefully, or you might not even notice they're at work.

Versatile power

An AVR (Automatic Voltage Regulator) gives low-fluctuation power delivery at a selection of voltages from 110V to 240V. Each model also makes available 12V D.C - really useful for charging car/boat batteries.(excluding 3-phase models)

Dusk-to-dawn Operation without Fill-up

A single tankful of diesel will keep these air-cooled gensets on the go for 6~9.5 hours. The secret to such long operation is their low fuel consumption from features like direct injection- a major feat for this type of compact engine. These gensets give savings with every tankful of diesel. And they have a utility-size fuel tank, so you can leave them running all night.

Total Carry-around Convenience

The extra-lightweight YDG is as easy to move around as most gasoline units. And it's easy to store too. We've achieved it by linking together our small air-cooled diesel (the Yanmar L-N type) with a highly compact and light U-frame generator. The size and weight trimming allows you to take these ,open-type,sets anywhere.

Peaceful power;the YDG

Engine and generator rest on inclined rubber blocks. This improved mounting system takes away both vertical and horizontal vibrations, leaving you with a smoothly purring engine. Noise prevention measures are taken at several levels; at intake, in the combustion system and through the well muffled exhaust system.

Alarm system

The chance of damage due to low oil level operation is reduced with a Yanmar genset. An alarm is activated and the engine stops as soon as the oil falls low. Besides, the sockets on the control panel are recessed and the muffler is enclosed with a cover.

Instant, No-effort Starts

With a short 70cm stroke of a recoil starter, the engine jumps into life. Auto-return decompression makes starting easier and quick even when the temperature is low.

Easy Maintenance, Long lasting

Fewer parts mean fewer maintenance worries - inspection is easy and adjustments simple. Forced lubrication feeds oil to vital parts, and high quality materials give first-class durability.



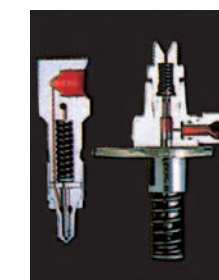
SPECIFICATIONS

| Model | YDG2700N | | YDG3700N | | YDG5500N | | YDG6600TN | | |
|---|---------------------------------------|---|----------|-----------------|----------|-----------------|-----------|----------------------------|-----------|
| Generator | Revolving field type 2 pole generator | | | | | | | | |
| Type | | | | | | | | | |
| Frequency | Hz | 50 | 60 | 50 | 60 | 50 | 60 | 50 | 60 |
| Max. AC output | kVA | 2.2 | 2.7 | 3.2 | 3.7 | 4.6 | 5.5 | 5.5 | 6.6 |
| Cont. AC output | kVA | 2.0 | 2.5 | 3.0 | 3.5 | 4.2 | 5.0 | 5.0 (1.7) | 6.0 (2.0) |
| DC output(generator&charger) | V-A | 12-8.3 | | | | | | - | |
| Voltage | V | 120, 220, 240, 110 / 220, 120 / 240 | | | | | | 380 (220) | |
| Rated power factor | % | 100 | | | | | | 80 (100) | |
| Phase | | Single phase | | | | | | 3-phase(single) | |
| Excitation system | | Self-excitation | | | | | | Self & separate excitation | |
| Model | | L48N5/6-G(E)Y | | L70N5/6-G(E)Y | | L100N5/6-G(E)Y | | L-100N5/6-GEYT | |
| Type | | Vertical, 4-cycle, air-cooled diesel engine | | | | | | | |
| Displacement | cc | 219 | | 320 | | 435 | | | |
| Cont. output | kW/min ¹ (rpm) | 2.8/3000 | 3.1/3600 | 4.1/3000 | 4.4/3600 | 5.7/3000 | 6.6/3600 | 5.7/3000 | 6.6/3600 |
| Starting system | | Recoil or Recoil / Electric | | | | | | Electric | |
| Combustion system | | Direct injection | | | | | | | |
| Governor system | | All speed by centrifugal weight | | | | | | | |
| Fuel oil | | Diesel fuel oil | | | | | | | |
| Fuel tank capacity | lit. | 7.2 | | 1.1 | | 1.65 | | | |
| Lube oil capacity | lit. | 0.8 | | | | | | | |
| Operation capacity (One tankful)* approx. | hr. | 7.0 | 6.5 | 9.5 | 8.0 | 7.0 | 6.0 | 5.5 | 4.9 |
| Noise level at 7m (approx.) | dB (A) | 79 | 80 | 81 | 82 | 84 | 85 | 84 | 85 |
| Dimensions L x W x H(Recoil) | mm | 590 x 416 x 500 | | 650 x 496 x 530 | | 720 x 480 x 578 | | - | |
| Dry weight (Recoil) | kg | 55 | | 70 | | 95 | | - | |
| Dimensions L x W x H(Electric) | mm | 649 x 416 x 500 | | 650 x 496 x 530 | | 720 x 480 x 578 | | - | |
| Dry weight (Electric) | kg | 64 | | 82 | | 108 | | - | |

AIR-COOLED DIESEL ENGINE L-N SERIES

Its secret is Yanmar's micro-size fuel injection system.

The fuel injection system, the heart of a diesel, has been refined through years of research and development at Yanmar. We have now succeeded in minimizing the weight and size of this equipment and simplifying the structure by adoption of a bushless pump and a smaller nozzle.



- Durable - because it is built by a specialist in large diesel technology.
- Convenient Recoil starter - a feature commonly associated with gasoline engines.
- Fuel costs dip to a new low with Yanmar's direct fuel injection system.
- Very low vibration and quiet running make it ideal, a popular choice for constantly operating machinery.