

**AIR COOLED  
DIESEL  
GENERATORS**

**YDG series**

**YANMAR**



Photograph may show optional equipment.

# The New YDG from Yanmar — For Power and Economy

If you are looking for a silent, compact, power source, with minimum fluctuations, the new 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: the YDG-S

A single tankful of diesel will keep these air-cooled gensets on the go for 6 ~ 15 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-A 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.

## Silent Operation Makes the YDG-S a More Popular Form of Power

The noise-proofing enclosure of the YDG-S makes it welcome in any location, especially at night. Exhaust noise is dampened by a large silencer while engine sounds are contained by a double-wall structure and absorbed by a sound deadening liner. To reduce vibration and noise there are the same high efficiency inclined engine mounts as the YDG. and the whole genset is compactly housed in a single cabinet.

## 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.

## Recoil Starter

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

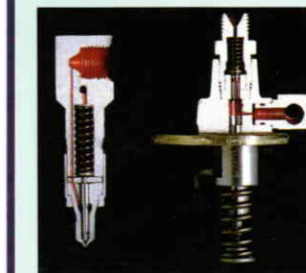
Fewer parts mean fewer maintenance worries — inspection is easy and adjustments simple. Forced lubrication feeds oil to vital parts, and high quality materials give first-class durability.



## AIR-COOLED DIESEL ENGINE L-A SERIES

Its secret is Yanmar's micro-sized 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 its 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.

## SPECIFICATIONS

Model	Open frame type								Silent type																					
	YDG2700E		YDG3700E		YDG5500E		YDG6600TE		YDG2001SE-E		YDG2501SE-E		YDG3501SE-E		YDG5001SE-E		YDG6001TSE-E													
GENERATOR	Type	Revolving field type 2 pole generator																												
	Frequency	Hz	50	60	50	60	50	60	50	50	60	50	60	50	60	50	60	50												
	Max. AC output	kVA	2.2	2.7	3.2	3.7	4.6	5.5	5.5	1.9	2.2	2.2	2.5	3.2	3.5	4.6	5.5	5.5												
	Cont. AC output	kVA	2.0	2.5	3.0	3.5	4.2	5.0	5.0(1.7)	1.7	2.0	2.0	2.4	3.0	3.4	4.2	5.0	5.0												
	DC output (generator & charger)	V-A	12-8.3								12-8.3																			
	Voltage	V	120, 220, 230, 240, 110/220, 120/240								230(230), 380(220), 400(230)																			
	Rated power factor	%	100								80(100)																			
	Phase		Single phase								3-phase(single)																			
ENGINE	Excitation system	Self-excitation								Self & separate excitation																				
	Model	L48AE-D(E)GY		L70AE-D(E)GY		L100AE-DEGY		L100AE-DEGYT		L40AE-DEGS		L48AE-DEGS		L70AE-DEGS		L100AE-DEGS														
	Type	Vertical, 4-cycle, air-cooled diesel engine																												
	Displacement	cc(cu.in.)	211(12.88)				296(18.06)				406(24.78)				199(12.14)				211(12.88)				296(18.06)				406(24.78)			
	Cont. output	hp/rpm	3.8/3000	4.2/3600	5.5/3000	6.0/3600	7.7/3000	9.0/3600	7.7/3000	3.4/3000	3.8/3600	3.8/3000	4.2/3600	5.5/3000	6.0/3600	7.7/3000	9.0/3600	7.7/3000												
	Starting system		Recoil or Recoil/Electric								Electric																			
	Combustion system		Direct injection																											
	Governor system		Centrifugal weight system																											
UNIT	Fuel oil	Diesel oil (BS-A1 or equivalent)																												
	Fuel tank capacity	lit.(U.S.gal.)	7.2(1.9)				13(3.4)				12.5(3.3)								16(4.2)											
	Lube oil capacity	lit.(U.S.gal.)	0.8(0.21)		1.1(0.29)		1.65(0.44)		0.8(0.21)								1.1(0.29)		1.65(0.44)											
	Operation capacity (One tankful)* approx.	hr.	7.0	6.5	9.5	8.0	7.0	6.0	7.0	14.5	12.5	13.0	11.0	9.0	8.0	9.0	7.0	9.0												
	Noise level at 7m (approx.)		79	80	81	82	84	85	84	67	68	68	69	70	71	69	70	69												
	Dimensions L×W×H (Recoil)	mm(in.)	590×416×500 (22.23×16.38×19.69)				650×496×530 (582:EU) (25.59×19.53×20.83)				720×480×578 (28.35×18.90×22.76)				—															
	Dry weight	kg(lbs.)	54(119)				67(148)				95(209)				—															
	Dimensions L×W×H (Electric)	mm(in.)	649×416×500 (25.55×16.38×19.69)				650×496×530 (582:EU) (25.59×19.53×20.83)				720×480×578 (28.35×18.90×22.76)				713×596×687 (28.07×23.46×27.05)								910×520×740 (35.83×20.47×29.13)							
Dry weight (Electric)		63(139)		79(174)		108(238)		119(262)		121(267)		131(289)		165(363)		167(367)														

\* Estimate only, based on rated load

## ACCESSORIES

○: Standard ●: Option —: Not available

Model	Open frame type				Silent type				
	YDG2700E	YDG3700E	YDG5500E	YDG6600TE	YDG2001SE-E	YDG2501SE-E	YDG3501SE-E	YDG5001SE-E	YDG6001TSE-E
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	○	○	○	○	○	○	○	○	○

Note: All data subject to alteration without notice.



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