

**YANMAR®**

**DIESEL GENERATORS**

**YDG series**

**YDG2700EV  
YDG3700EV  
YDG5500EV**



Photograph may show optional equipment.



YDG Series
Diesel Generators
2.7 - 5.5 kW



YDG Diesel Generator

EPA Tier II Certified

Air Cooled Diesel Generator Specifications and Performance

Generator Model			Open Frame Type														
			YDG2700EV-6EH	YDG3700EV-6EI	YDG5500EV-6EI												
Output	AC	Max. (kW)	2.7	3.7	5.5												
		Rated (kW)	2.5	3.5	5.0												
	DC	V-A (W)	12V - 8.3A (100)														
Rated Voltage		Volts	120	120 / 240													
Rated Current		Amps	20.8	29.2 / 14.6	41.7 / 20.8												
Voltage Control System			With Automatic Voltage Regulator														
Number of Phases			Single Phase														
Type			Revolving Field, Brush Type AC Generator														
Excitation System			Self-Excitation														
Frequency		Hertz	60														
Rotation Speed		Rpm	3600														
Number of Poles			2														
Power Factor			1.0														
Insulation Class			Class B	Class E													
Bearing Type			Ball Bearing (Seal Type)														
Output receptacle	AC	V-A	125-20 GFCI	125-20 GFCI, 125-30 Twist Lock													
	DC			125-20 GFCI, 125 / 250-20 Twist Lock													
Breaker		AC	NFB-21A	NFB-16A (Tandem)	NFB-22A (Tandem)												
		DC	12 Amp Thermal Switch														
Voltmeter		V	120	120 / 240													
Pilot Lamp			None														
Grounding Terminal			1														
Revolution		No Load max.	3750 + or - 50 rpm														
Speed regulation	Transient Speed	%	Less than or Equal to 10														
	Speed Drop	%	Less than or Equal to 6														
	Setting Time	Seconds	Less than or Equal to 5														
Stability	Frequency Change	Hz	Less than, + or - 1														
Voltage Regulation		%	10														
Yanmar Engine Model			L48V6-GY	L70V6-GY	L100V6-GY												
Engine Type			1 Cyl., Direct Injected, Air Cooled Diesel														
Starting System			Electric Start with Recoil														
Lowest Starting Temperature (electric)		Degree F	Less than or equal to 14 F														
Protective Device			Low Oil Pressure Stop Device														
Capacity	Fuel oil	Quarts	7.6	13.7	13.7												
	Lube oil	Quarts	0.85	1.11	1.7												
Oil Supply Interval	Fuel oil	Hrs	6.5	8	5.5												
	Lube oil		58	65	70												
Inclination (continuous)		Degrees	Less than or Equal to 10														
Noise at Continuous Rated Output (Average in 4 Directions)	db(A)	At 1 M distance	92	93	96												
		at 7 M distance	80	82	85												
Generator Dimensions ( L X W X H )		Inches	25.6 X 16.4 X 19.7	25.6 X 19.5 X 20.9	28.3 X 18.9 X 22.8												
Dry Weight		Lbs	141	181	243												
<p>Note: the power rating standards of Yanmar diesel engines conform to JIS B8013. JIS ratings are based on normal atmospheric conditions, which are defined as follows:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Standard Atmospheric Conditions:</td> <td style="width: 33%;">JIS B8013-1977</td> <td style="width: 33%;">Reference:</td> </tr> <tr> <td>Intake Air Temperature</td> <td>293 K ( 20 degree C )</td> <td>ISO 3046/1-1986</td> </tr> <tr> <td>Barometric Pressure</td> <td>101.5 kPa (760 mm Hg)</td> <td>198 K (25 degree C)</td> </tr> <tr> <td>Relative Humidity</td> <td>65%</td> <td>100 kPa (750 mm Hg)</td> </tr> </table> <p>Diesel Fuel: No. 2-D, No. 1-D, or ASTM D975-94                      Lubricating oil: API grade CD or higher</p>						Standard Atmospheric Conditions:	JIS B8013-1977	Reference:	Intake Air Temperature	293 K ( 20 degree C )	ISO 3046/1-1986	Barometric Pressure	101.5 kPa (760 mm Hg)	198 K (25 degree C)	Relative Humidity	65%	100 kPa (750 mm Hg)
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