

**PROTECTOR™ SERIES**  
AUTOMATIC STANDBY DIESEL GENERATOR

**15-50 kW**







# PROTECTOR™ SERIES

## AUTOMATIC STANDBY DIESEL GENERATOR

All the conveniences of modern living—heat, central air, refrigeration, communication—are nothing without power. When the power supply is disrupted, our lives and businesses can come to a sudden halt. An automatic standby generator protects you from power failures, restoring power within seconds of an outage, so you can have peace of mind and the power you need.

Generac's new Protector™ Series diesel generators raise the bar for residential and light commercial diesel generators.

### FEATURES:



**EVOLUTION™ CONTROLLER** – The next generation of intuitive controllers featuring a multilingual, two-line LCD text display with color-coded, backlit buttons.



**QUIET-TEST™** – Protector Series diesel generator with Quiet-Test, a weekly self-test mode that runs at a lower RPM, is quieter, and consumes less fuel.



**3-YEAR LIMITED WARRANTY** – We are proud of our innovative product design, high quality and first-class reliability so we stand behind them with a strong 3-year limited warranty.



## ADDITIONAL FEATURES:

- Ease of installation and service
  - External viewing window for easy inspection of generator status and breaker position
  - Removable doors for easy service and fuel fill access
- Isochronous Governor – electronic governor control for tight and precise load response and voltage (+/- 1%) and frequency regulation

## SPECIFICATIONS

50Hz Models	15 kVA	20 kVA	30 kVA	50 kVA
Model Number	RD012	RD016	RD024	RD040
Engine/Alternator RPM	1500/1500			
Engine	In-line 4-cylinder			
Fuel Type	Diesel			
Output amperage 110/220 V, 1Ø, 1.0 pf	55	73	109	182
Output amperage 231/400 V, 3Ø, 0.8 pf	n/a		43	72
Fuel Consumption @ 1/2 load - gal/hr (L/hr)	0.63 (2.38)	0.84 (3.18)	1.16 (4.39)	1.72 (6.51)
Fuel Consumption @ full load - gal/hr (L/hr)	1.19 (4.50)	1.59 (6.02)	2.19 (8.29)	3.18 (12.04)
Quiet-Test Mode	Yes			
db(A) at exercise	65			
db(A) at normal operating load	70			
Enclosure	Steel			
Enclosure Color	Gray			
Warranty	3-year limited			
Dimensions L x W x H (in/cm)	63 x 31 x 51 158 x 78 x 130		77 x 35 x 54 193 x 89 x 137	
Weight (lbs./kg)	1449 / 656	1474 / 667	1685 / 763	2066 / 936

Weight measurements are approximate.

60Hz Models	15 kW	20 kW	30 kW	48 / 50 kW
Model Number	RD015	RD020	RD030	RD048* / RD050
Engine/Alternator RPM	1800/1800			
Engine	In-line 4-cylinder			
Fuel Type	Diesel			
Output Amperage 120/240 V, 1Ø, 1.0 pf	62	83	125	200
Output Amperage 120/208 V, 3Ø, 0.8 pf	52	69	104	173
Output Amperage 120/240 V, 3Ø, 0.8 pf	45	60	90	150
Output Amperage 277/480 V, 3Ø, 0.8 pf	n/a	n/a	45	75
Fuel Consumption @ 1/2 load - gal/hr (L/hr)	0.79 (2.99)	1.05 (3.97)	1.45 (5.5)	2.15 (8.14)
Fuel Consumption @ full load - gal/hr (L/hr)	1.48 (5.58)	1.98 (7.48)	2.74 (10.4)	3.98 (15.07)
Quiet-Test Mode	Yes			
db(A) at exercise	65			
db(A) at normal operating load	70			
Enclosure	Steel			
Enclosure Color	Gray			
Warranty	3-year limited			
Dimensions L x W x H (in/cm)	63 x 31 x 51 158 x 78 x 130		77 x 35 x 54 193 x 89 x 137	
Weight (lbs./kg)	1449 / 656	1474 / 667	1685 / 763	2066 / 936

Weight measurements are approximate.

\*1Ø only

## Dedicated to Service

Generac's commitment to service includes scheduled maintenance programs, warranty assistance and emergency service to ensure that Generac customers are never left powerless. Generac has factory-trained technicians on staff and maintains large inventories of Generac parts, components and accessories. Find a dealer near you at [generac.com](http://generac.com).

**GENERAC®**