

Load Control Center/Power Management System Upgrade

Most high wattage "creature comforts" normally require a large and expensive generator to meet the demands of a larger home. Now you can manage the "high demand" appliances of even the most power hungry home with this affordable upgrade, exclusively from Rheem. Featuring patented computer-controlled technology, the system makes the SEREGEN® 100 and 300 Series the most efficient standby generator in its class.

- Load Control Center increases the effective kW rating of the generator by temporarily shedding non-essential loads to free up power for devices with high starting power requirements, such as air conditioning units.
- As power becomes available after startup, non-essential circuits are automatically switched back on.
- Prevents generator overload due to unmanaged power demand.
- Includes a rainproof NEMA 3R outdoor enclosure.

THE BENEFITS OF HIGH EFFICIENCY POWER MANAGEMENT

- ✓ **Power Management Technology** – Advanced computer controls manage the same essential and high watt appliances as a larger 30kW liquid cooled for up to half the cost.
- ✓ **Maximum Fuel Economy** – Smart use of power results in up to 50% less fuel consumption.
- ✓ **Space-Saving Design** – Compact, efficient design allows for location flexibility and lower installation costs.
- ✓ **Exclusive Overload Protection** – Advanced controls prevent generator overload due to unmanaged power demand.
- ✓ **Smart Home Compatible** – Provides clean, safe power for other smart home appliances and sensitive electronics.

PART NO	NUMBER OF POWER CIRCUIT CONTACTORS	POLES PER POWER CIRCUIT CONTACTOR	TOTAL NUMBER OF POWER CIRCUIT CIRCUIT POLES	MAXIMUM NUMBER OF 120V POWER CIRCUITS	MAXIMUM NUMBER OF 240V POWER CIRCUITS	POWER CIRCUIT RATING VOLTAGE (V)	POWER CIRCUIT RATING GENERAL (A)	POWER CIRCUIT RATING MOTOR (HP)	DIMENSIONS LxWxH (IN)
71035	4	2	8	8	4	120/240	20/50	2	24x14x6

Whole House Backup Power

High Efficiency Whole House Backup Power Controls

Managed Power

- ✓ Water Well Pump
- ✓ Range/Stove
- ✓ Hot Tub
- ✓ Water Heater
- ✓ Clothes Dryer
- ✓ Pool Heater
- ✓ 5-ton Central Air 1
- ✓ 5-ton Central Air 2

High Efficiency Power Management System

SEREGEN Series Generator

With advanced computer controls, SEREGEN® Series generators can manage as many or more items as a larger, more expensive liquid cooled generator while consuming significantly less fuel.

Premium-Grade Power

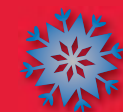
At the heart of each SEREGEN® Series Home Generator System is a Briggs & Stratton Commercial Power Vanguard™ or GM Vortec™ Engine. These durable, commercial grade engines feature superior balance and low vibration for extended life, minimal maintenance and easier starting and – perfect for years of dependable standby power.



Premium Performance Only From Rheem

AC POWER CONTROL MODULE™

All 12-20kW SEREGEN® Series (GEN 10–20) include this exclusive new upgrade. Run up to two 4-ton central air conditioners in addition to essential items, while protecting against AC overload.



Performance Upgrades Available

COLD WEATHER PACKAGE An oil heater and battery warmer are both thermostatically controlled to heat up when the temperature drops, ensuring smooth starting and engine operation. Model #6030 for GEN 10–20



MAINTENANCE KIT Includes special UL air filter, pre-cleaner, spark plugs, oil filter, and oil. See Product Chart for the corresponding Maintenance Kit number for each Model Series.



Rheem helps you give your customers the **value, performance and features** they want. From our tried and true tank-type water heaters to our space-saving tankless solutions that provide continuous hot water, Rheem has something to **satisfy the budgets** and lifestyles of every customer.

In addition to our large selection of **water heating solutions**, Rheem also has a full line of **heating and cooling** products, parts and accessories for warm winter nights, cool summer days and hot water all year long.



The new degree of comfort.™

In keeping with its policy of continuous progress and improvement, Rheem reserves the right to make changes without notice.

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The new degree of comfort.™

HOME GENERATOR SYSTEMS

STANDBY SOLUTIONS PRODUCTS





The new degree of comfort.™

NO POWER NO PROBLEM

COMPUTER-CONTROLLED MAXIMUM EFFICIENCY

Air-Cooled Generators

Rheem is proud to offer the **Air-Cooled SEREGEN® 50 thru 300 Series**, 10-20kW, Home Generator Systems. Boasting a Briggs & Stratton Professional Series or a Commercial Vanguard™ engine, the systems offer whole house comfort and control in an extremely compact and affordable package. When the power goes out, these systems offer fully automatic operation whether you are home or away and provide a permanent connection to natural gas or propane for uninterrupted operation. Computer controls actively manage your whole house power consumption so you can run both essential and high-wattage items such as central air conditioning while preventing against overload.



Liquid-Cooled Generators

Rheem is proud to offer the **Liquid-Cooled SEREGEN® 400 Series**, 30 and 45kW, Home Generator Systems. Boasting a GM Vortec™ engine and up to 56,000 watts of starting power, these systems offer whole house comfort and control in an extremely compact, quiet and affordable package. The standard 30 and 45kW packages supply enough automatic backup power to manage two 5-ton AC units. The optional Power Management System (71035) upgrade optimizes the SEREGEN 400 Series with advanced computer-controlled power for maximum efficiency.



The new degree of comfort.™



PART NUMBER	GEN10AD	GEN12AD-V	GEN15AD	GEN20AD	GEN30WD	GEN45WD
Model Series	SEREGEN 50	SEREGEN 100	SEREGEN 100	SEREGEN 300	SEREGEN 400	SEREGEN 400
Nominal Output Capacity LP / Natural Gas (kW)	10.0 / 9.0	12.0 / 11.0	15.0 / 14.0	20.0 / 18.0	30.0 / 30.0	45.0 / 45.0
Surge Output Capacity LP / Natural Gas (kW)	12.5 / 11.2	15.0 / 13.7	18.7 / 17.5	25 / 22.5	37.5 / 33.0	56.0 / 53.0
Output Voltage (V)	240/120	240/120	240/120	240/120	240/120	240/120
Output Frequency (Hz)	60	60	60	60	60	60
Nominal Output Current on LP / Natural Gas (A)	41.6 / 37.5	50.0 / 45.8	62.5 / 58.3	83.3 / 75.0	125.0 / 125.0	187.5 / 187.5
Natural Gas Fuel Consumption at 50% / 100% Load (cu ft/hr)	84.0 / 162.0	119.0 / 196.9	124.9 / 243.0	160.0 / 293.0	263.0 / 431.0	429.0 / 717.0
LP Fuel Consumption at 50% / 100% Load (gal/hr)	0.94 / 1.81	1.42 / 2.37	1.56 / 2.99	1.97 / 3.93	2.80 / 4.40	4.5 / 7.7
Sound Rating (normal operation)	71	74.5	68	68	66	68
Size – L x W x H (in)	30-1/2 x 22-1/2 x 32-1/2	35 x 40 x 39	48 x 33 x 30-1/2	48 x 33 x 30-1/2	84-1/2 x 29-1/2 x 41-1/2	98-1/2 x 39-1/2 x 44-1/2
Weight (lbs)	355	535	544	563	1800	1890
Engine Type	504cc Vanguard V-Twin	803cc Briggs & Stratton Professional Series	895cc Vanguard V-Twin	Briggs & Stratton Vanguard "BIG BLOCK" V-Twin	GM Vortec 3.0L inline 4 cylinder	GM Vortec 5.0L inline V-8
Engine Cooling	Air Cooled	Air Cooled	Air Cooled	Air Cooled	Water Cooled	Water Cooled
Maintenance Kit	6035	6179	6036	6036	6167	6168
Cold Weather Kit	6030	6030	6030	6030	—	—
Transfer Switch Options	TS509C	TS100AD, TS200A, TS200AD, TS100A16	TS100AD, TS200A, TS200AD, TS100A16	TS100AD, TS200A, TS200AD, TS100A16, TS400AD-SPLIT	TS200ADW, TS400, TS400AD-SPLIT	TS200ADW, TS400, TS400AD-SPLIT
Load Control Center Options	—	71035	71035	71035	71035	71035
Breaker Size (A)	50	60	70	100	150	200
Limited Warranty	3	3	4	4	4	4

SEREGEN® 50 thru 300 Series Air-Cooled Generators (GEN 10 – GEN 20)

FULLY AUTOMATIC Advanced electronics will detect a utility power outage and automatically start the generator whether you are home or away.

BRIGGS & STRATTON ENGINE Briggs & Stratton air-cooled engine provides powerful, quiet, durable performance for large, power hungry homes — perfect for years of heavy-duty standby power.

CONTEMPORARY, SPACE-SAVING DESIGN Offers a compact yet functional design for location flexibility and an attractive, subtle yard presence.

CONTINUOUS FUEL SUPPLY A permanent connection to natural gas or propane delivers uninterrupted performance with no messy gasoline storage and refueling.

SOUND SHIELD™ TECHNOLOGY Engineered air passages, an automotive-style exhaust system and acoustic foam dampeners ensure quiet operation.

DURABLE OUTDOOR ENCLOSURE Features professional rust-proofing and premium granite gray automotive paint for maximum durability and all-weather protection.

COMPUTER-FRIENDLY POWER Advanced alternator technology provides safe and stable power for computers and other sensitive electronics.

LEGENDARY SERVICE & SUPPORT From professional sizing and delivery, to installation and service, trust the proven expertise of Rheem dealers.

TURN-KEY EXTRAS Includes a battery charger, hour meter, and installation pad. The engine also comes pre-filled with synthetic oil and is broken in at the factory, saving you time and money.

SEREGEN® 400 Series Liquid-Cooled Generators (GEN 30 – GEN 45)

FULLY AUTOMATIC Advanced electronics will detect a utility power outage and automatically start the generator whether you are home or away.

WHOLE-HOUSE COMFORT The SEREGEN® 400 Series will supply enough power to manage up to two 5-ton air conditioners in addition to essential household power requirements.

GM VORTEC® ENGINE Tested and approved on trucks and SUVs, world class 4 and 8 cylinder GM Vortec engines provide sophisticated yet extremely durable industrial grade power — perfect for the high power demands of most larger homes or small businesses.

CONTINUOUS FUEL SUPPLY A permanent connection to natural gas or propane delivers uninterrupted performance with no messy gasoline storage and refueling.

SOUND SHIELD™ TECHNOLOGY Engineered air passages, an automotive-style exhaust system and acoustic foam dampeners ensure quiet operation. (66 to 68 dB(A) under normal operation)

PREMIUM WARRANTY 4 year limited warranty — your guarantee of quality and performance. Also warranted for commercial use.

LEGENDARY SERVICE & SUPPORT From professional sizing and delivery to installation and service, trust the proven expertise of Rheem dealers.

TURN-KEY EXTRAS Each system includes a battery charger, and hour meter. The factory tested engine, comes pre-filled with API oil and coolant, saving you time and money.

TRANSFER SWITCHES

HOW IT WORKS Automatically manages the transition between the electric utility service and generator as follows:

- Continually monitors the connection to local utility power.
- When utility power is disrupted, the transfer switch confirms a true power outage has occurred and signals the standby generator to start.
- Supplies backup power to the home in as little as 30 seconds.



PANELBOARD OPTION Some switches include a panelboard within the transfer switch enclosure; in cases where the Transfer Switch will not be used as the Service Disconnect, you may want to consider the option of choosing a Transfer Switch that includes a panelboard, since this will eliminate the need to purchase a separate subpanel.

OUTDOOR ENCLOSURE All transfer switches include a rainproof NEMA 3R outdoor enclosure.

TRANSFER SWITCHES

PART NO	GENERATOR SERIES COMPATIBILITY	SERVICE ENTRANCE DISCONNECT RATING	CURRENT CAPACITY (A)	PANELBOARD	ACCM	DIMENSIONS L x W x H (IN)	WEIGHT (LBS)	LIMITED WARRANTY
TS509C	50	No	50	9 Position	—	14-1/4 x 6 x 21	30	3
TS100A16	100/300	No	100	16 Position	Included	14 x 6 x 24	37	3
TS100AD	100/300	Yes	100	Not Included	Included	14 x 6 x 24	43	3
TS200A	100/300	No	200	Not Included	Included	16 x 7 x 22	48	3
TS200AD	100/300	Yes	200	Not Included	Included	16 x 7 x 30	59	3
TS200ADW	400	Yes	200	Not Included	Included	38 x 14 x 24	64	3
TS400	400	No	400	Not Included	—	46 x 24 x 15	190	2
TS400AD-SPLIT	400/300	Yes	400	Not Included	Included	37 x 7 x 24	111	3

CURRENT CAPACITY RATING OPTIONS Automatic transfer switches come in four sizes: 50A, 100A, 200A and 400A; if the Transfer Switch will also serve as the Service Disconnect, it will need to have a current capacity rating at least as great as the main breaker on the main panelboard. (Note: 200A main breakers are common in many new homes, while older homes often have 100A).

AIR CONDITION CONTROL MODULE (ACCM) Some switches contain an ACCM, a patented Power Management technology that supervises the power demands of up to two central air-conditioners while safeguarding against power overload.

SERVICE DISCONNECT OPTION Some switches are suitable for use as the Service Entrance Disconnect; these switches may be optionally connected directly after the home's utility watt-hour meter, instead of being connected downstream of the main panelboard.

LIMITED WARRANTY All transfer switches feature a 3-year limited warranty. Two year limited warranty for TS400.