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Silent Inverter Generators

Open Frame Inverter Generators

Portable Generators

Big Portable Generators

Home Standby Generators



GENERATORS



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Silent Inverter Generators

Light, quiet, and safe for sensitive electronics. The RATO® silent inverter generators are perfect for camping, RV travels or other backup power needs.

- Sheet metal frame structure, long life time and more durable.
- Dual-impeller cooling, professional air channel design.
- Low noise and long life.
- Easy to use and maintain, 5 sides can be independently maintained, saving time and effort.
- Good rain resistance.



R SERIES

Silent Inverter Generators



- Lower running temperature by innovative air intake & cooling system design provided longer life.
- Reliable power (THD<2%) for computers, TV and other sensitive equipment.
- Double your power with build-in parallel capability.
- Build-in oil-alert and circuit breaker protected your machine.
- Optional control panel design for difference applications.

									
MODEL (New)	GS1350	GS2450	GS2950	GS3900	GS4500E-R	GS4900E-R	GS6500E	GS8800E	GS11700E-RA
MODEL (Old)	R1250iS(P)	R2000iS(P)	R2500iS(P)	R3100iS(P)	R3500iE(P)	R4000iE(P)	R6000iE(P)	R8000iE(P)	R9000iE(P)
Engine Type	-----Single cylinder,4-Stroke(OHV)-----					Single cylinder, 4-Stroke(OHV)	Single cylinder, 4-Stroke(OHV)	Single cylinder, 4-Stroke(OHV)	Single cylinder, 4-Stroke(OHV)
Bore x Stroke (mm)	45x38	48.6 x43	60x43	70x55	70x55	72x55	80x58	90x66	94x72
Displacement (cc)	60	79.7	122	185	212	225	292	420	500
Compression ratio	8.2:1	8.7:1	8.2:1	8.0:1	8.0:1	8.0:1	8.7:1	8.5:1	8.8:1
Rated Frequency (Hz)	50 /60	50 /60	50 /60	50 /60	50 /60	50 /60	50 /60	50 /60	50 /60
Rated Voltage (V)	220/230 /120	220/230 /120	220/230 /120	220/230 /120	220/230 /120/240	220/230 /120/240	220/230 /120/240	220/230 /120/240	220/230 /120/240
Rated Power (kW)	1.0	1.8	2.3	3.0	3.2	3.8	5.0	6.8	9.0
Max. Power (kW)	1.1	2.0	2.5	3.3	3.5	4.0	5.5	7.5	9.5
DC Output	12V/5A	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A	12V/8.3A
Starting System	Recoil	Recoil	Recoil	Recoil / Electric	Recoil / Electric	Recoil / Electric	Recoil / Electric	Recoil / Electric	Recoil / Electric
Fuel Tank Capacity (L)	2.6	4.2	4.5	5.5	8.3	8.3	22.4	25	33
Running Time (Full load) (H)	3.5	4	3	4.5	5	5	6	4.5	6
Running Time (1/2 load) (H)	5.2	6	5	7	8.5	8.5	12	8.5	10
Noise (dB@7m)	65	67	67	66	66	66	70	70	70
Dimensions (L x W x H)(mm)	450x240x395	498x290x459	520x320x450	588x435x531	605x432x493	605x432x493	746x635x605	870x725x685	848x645x710
Net Weight (kg)	13.5	22	25	29.5	44.5	46.5	66.5	95	105
Loading Qty (20GP/40GP/40HQ)	672/1368/1584	340/700/875	340/700/875	204/424/424	160/336/336	160/336/336	140/280/280	80/164/164	60/126/126

HIGH SPEED SERIES

Silent Inverter Generators

- Lighter weight but higher output power for easy carry and your outdoor living.
- Reliable power for computers, TV and other sensitive equipment.
- Double your power with parallel capability.
- Variable speed by inverter technology saved up to 30% fuel.
- Compare with traditional generator.
- Build-in oil-alert protected your machine.



HIGH SPEED SERIES

Silent Inverter Generators



MODEL (New)	GS2680	GS3850	GS6550E
MODEL (Old)	R2200iS(P)	R3250iS(P)-HS	R5750iS(P)--HS
Engine Type	-----Single cylinder,4-Stroke(OHV)-----		
Bore x Stroke (mm)	52x46	62X50	68.5X61
Displacement (cc)	99	151	225
Compression Ratio	10.5 : 1	9.0:1	8.6:1
Rated Frequency (Hz)	50 /60	50 /60	50 /60
Rated Voltage (V)	220/230 /120	220/230 /120/240	220/230 /120/240
Rated Power (kW)	2.0	3.0	5.0
Max. Power (kW)	2.2	3.3	5.5
DC Output	12V/8.3A	12V/8.3A	12V/8.3A
Starting System	Recoil	Recoil / Electric	Recoil / Electric
Fuel Tank Capacity (L)	4	5.2	15
Running Time (Full load) (H)	3	3	3
Running Time (1/2 load) (H)	4.5	6	6
Noise (dB@7m)	70	75	77
Dimensions (L x W x H)(mm)	440x290x440	490X310X450	593X404X563
Net Weight (kg)	19	22	43.5
Loading Qty (20GP/40GP/40HQ)	380/780/975	220/440/550	180/279/372



R6 SERIES

Silent Inverter Generators



MODEL (New)	GS2450-6
MODEL (Old)	R2000iS(P)-6
Engine Type	Single cylinder, 4-Stroke(OHV)
Bore x Stroke (mm)	48.6 x 43
Displacement (cc)	79.7
Compression Ratio	10.5 : 1
Rated Frequency (Hz)	50 /60
Rated Voltage (V)	220/230 /120
Rated Power (kW)	1.9
Max. Power (kW)	2.0
DC Output	12V/8.3A
Starting System	Recoil
Fuel Tank Capacity (L)	4
Running Time (Full load) (H)	3
Running Time (1/2 load) (H)	4.5
Noise (dB@7m)	70
Dimensions (L x W x H)(mm)	440x290x440
Net Weight (kg)	17
Loading Qty (20GP/40GP/40HQ)	380/780/975



A SERIES

Commercial Silent Inverter Generators

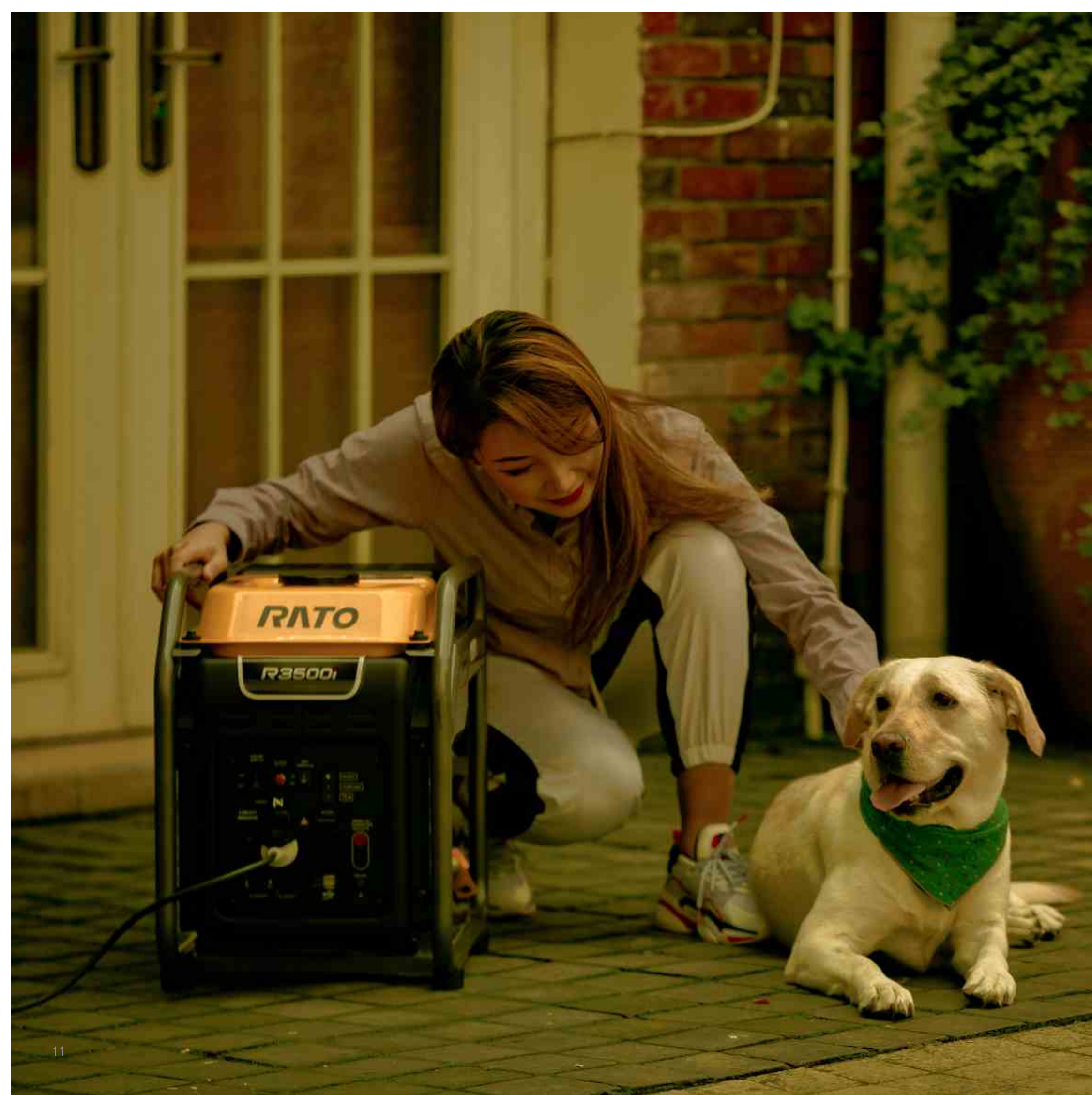


MODEL (New)	GS1350-A	GS2450-A	GS2950-A
MODEL (Old)	R1250iS(P)-A	R2000iS(P)-A	R2500iSP-A
Engine Type	Single cylinder, 4-Stroke(OHV)	Single cylinder, 4-Stroke(OHV)	Single cylinder, 4-Stroke(OHV)
Bore x Stroke (mm)	45x38	48.6x43	60x43
Displacement (cc)	60	79.7	122
Compression Ratio	8.2:1	8.7:1	8.2:1
Rated Frequency (Hz)	50 /60	50 /60	50 /60
Rated Voltage (V)	220/230 /120	220/230 /120	220/230 /120
Rated Power (kW)	1.0	1.8	2.3
Max. Power (kW)	1.1	2.0	2.5
DC Output	12V/5A	12V/8.3A	12V/8.3A
Starting System	Recoil	Recoil	Recoil
Fuel Tank Capacity (L)	3	4	4.5
Running Time (Full load) (H)	4	3.5	3
Running Time (1/2 load) (H)	6	6	5
Noise (dB@7m)	63	67	67
Dimensions (L x W x H)(mm)	459x292x415	497x318x460	510x340x460
Net Weight (kg)	15	23	28
Loading Qty (20GP/40GP/40HQ)	420/875/1050	385/840/840	330/690/690

Open Frame Inverter Generators

Compared with portable generators, the open-frame inverter generator has a new appearance, significantly higher power output, smaller size, lighter weight, lower THD, stable frequency and lower fuel consumption.

- Precisely controlled ignition, intelligent control of engine speed, high efficiency, saving fuel consumption.
- Integrated humanized design, inverter control, clearly visible, easy-to-operate.
- Intelligent circuit protection, safe and reliable.
- Low oil level alarm and automatic shutdown to protect the engine from working at low oil level.
- All-direction wheel movement, easy to operate.





R SERIES

Open Frame Inverter Generators

R SERIES

Open Frame Inverter Generators

- New appearance, significantly higher power output, smaller size, lighter weight, lower THD, stable frequency, lower fuel consumption.
- Precisely controlled ignition, intelligent control of engine speed, high efficiency, saving fuel consumption.
- Intelligent circuit protection, safe and reliable.
- Integrated humanized design, inverter control, clearly visible, easy-to-operate control panel.
- With parallel kit (only for R4000iP model), it has the functions of energy saving, recovery and protection, fault operation alarm and dual USB port.
- Low oil level alarm and automatic shutdown to protect the engine from working at low oil level.
- All-direction wheel movement, easy to operate.



MODEL (New)	Gi1350	Gi1560	Gi4500	Gi6600E	Gi8800E
MODEL (Old)	R1000i(P)	R1200i(P)	R3500i(P)	R5500i(P)	R8000i(P)
Engine Type	Single cylinder,4-Stroke(OHV)	Single cylinder,4-Stroke(OHV)	Single cylinder,4-Stroke(OHV)	Single cylinder,4-Stroke(OHV)	Single cylinder,4-Stroke(OHV)
Bore x Stroke (mm)	45x35	45x35	70x55	80x60	90x66
Displacement (cc)	60	60	212	301	420
Compression ratio	8.2:1	8.2:1	8.5:1	8.2:1	8.0:1
Rated Frequency (Hz)	50 /60	50 /60	50 /60	50 /60	50 /60
Rated Voltage (V)	220/230 /120	220/230 /120	220/230 /120/240	220/230 /120/240	220/230 /120/240
Rated Power (kW)	0.7	1.1	3.2	5.0	7.0
Max. Power (kW)	0.8	1.2	3.5	5.5	7.5
DC Output	/	12V/5A	12V/5A	12V/8.3A	12V/8.3A
Starting System	Recoil	Recoil	Recoil	Recoil/Electric	Recoil/Electric
Fuel Tank Capacity (L)	3	3	7	16	16
Running Time (Full load) (H)	4	4	4.3	5	3
Running Time (1/2 load) (H)	6	6	7	9	5
Noise (dB@7m)	62	62	74	77	82
Dimensions (L x W x H)(mm)	336x327x306	336x327x306	502x350x495	605x514x537	605x514x537
Net Weight (kg)	12.5	12.5	32	60	65
Loading Qty (20GP/40GP/40HQ)	672/1368/1584	672/1368/1584	264/528/660	148/300/300	148/300/300

R3 SERIES

Open Frame Inverter Generators

- Better mute performance and more intelligent and stable current output.
- Enlarged fuel tank, ultra-long endurance.
- Light weight appearance design, lighter weight and smaller size.
- Large control panel to meet larger socket layout requirements.

PRO+

R3 SERIES

Open Frame Inverter Generators

PRO+

- Heavy-duty frame protected for jobsite and home back up applications.
- Run up to 12hrs running hours by larger fuel tank capacity and lower fuel consumption.
- EFI system are available saving up to 30% fuel consumption.
- 3-in-1 choke and start system.
- 120 & 240V in one is available for using more industrial tools.
- One-touch start, remoted start and recoil start are available as your choice.
- Add more power by another RATO inverter generator with parallel kit.
- Bigger & flexible wheels and handle, move to any places for working and home-back applications.
- Build-in oil-alert and circuit breaker protected your machine.
- Optional control panel design for difference applications.
- Long life design meet RATO industrial level qualification.



MODEL (New)	Gi4900-3	Gi6000E-3	Gi11700E-3
MODEL (Old)	R4000i(P)-3	R6000iD(P)-3	R9500iD(P)-3
Engine Type	Single cylinder, 4-Stroke(OHV)	Single cylinder, 4-Stroke(OHV)	Single cylinder, 4-Stroke(OHV)
Bore x Stroke (mm)	72x55	80x58	94x72
Displacement (cc)	225	292	500
Compression ratio	8.5:1	8.5:1	8.5:1
Rated Frequency (Hz)	50 /60	50 /60	50 /60
Rated Voltage (V)	220/230 /120/240	220/230 /120/240	220/230 /120/240
Rated Power (kW)	3.8	5.0	9.0
Max. Power (kW)	4.3	5.5	9.5
DC Output	12V/5A	12V/8.3A	12V/8.3A
Starting System	Recoil	Recoil/Electric starter	Recoil/Electric starter
Fuel Tank Capacity (L)	14	20	36
Running Time (Full load) (H)	7.5	6	7
Running Time (1/2 load) (H)	12	10	12
Noise (dB@7m)	74	80	83
Dimensions (L x W x H)(mm)	530x450x462	625x485x500	665x550x590
Net Weight (kg)	34	51	78
Loading Qty (20GP/40GP/40HQ)	192/384/480	140/280/280	75/159/212

03

Portable Gasoline Generators

1000W~9500W

RATO generator products adopt multi-stage filtration system, adapt to the harshest use environment, industrial quality, durable.

Each power segment of the generator set, to meet your outdoor leisure, home, shop, construction site and other types of environment use.

Product design based on maintenance service orientation and ergonomics, and fully consider the convenience of maintenance. Meet the most stringent environmental protection and safety certification needs in Europe and the United States.



B2 SERIES

Portable Gasoline Generators

- RATO high performance generator special engine used for more powerful output.
- Larger capacity muffler with lower back pressure helps noise friendly and low emission.
- Heavy duty frame design as optional with lifting or hanger kit.
- Build-in smart AVR and Low THD (5%) are optional.
- Build-in LED light in panel helps night operation in field.
- 220/380 dual voltage for more application is optional.
- Build-in oil-alert and circuit breaker protected your machine.
- EFI system is optional as request.
- Long life design meet RATO industrial level qualified



L4 SERIES

Portable Gasoline Generators

- Simple and compact structure.
- The series adopts all-copper wire alternator with long service life.
- All models are equipped with automatic voltage regulator AVR .
- Convenient maintenance.





50Hz(60Hz)		50Hz		60Hz		Fuel Tank (L)	R Series		B2 Series	B2 Series	B3 Series		F Series		L3 Series		L4 Series	
Model New / Old	Displacement (cc)	Rated Power (kW)	Max. Power (kW)	Rated Power (kW)	Max. Power (kW)		Net Weight (kg)	Dimensions (L x W x H)(mm)	Net Weight (kg)	Dimensions (L x W x H)(mm)	Net Weight (kg)	Dimensions (L x W x H)(mm)	Net Weight (kg)	Dimensions (L x W x H)(mm)	Net Weight (kg)	Dimensions (L x W x H)(mm)	Net Weight (kg)	Dimensions (L x W x H)(mm)
GF1800 / R1000(R1100)	99	0.9	1.0	1.0	1.1	4.0	27.5	460x360x420	—	—	—	—	—	—	—	—	—	—
GF4700 / R3000(R3000)	212	2.0/2.7	2.2/3.0	2.8	3.0	12	45	593x465x458	49	600x471x492	49	590x465x462	45	593x465x458	41	590x440x457	42	590x430x420
GF4900 / R3500(R3800)	224	3.2	3.5	3.5	3.8	12	47	593x465x458	52	600x471x492	0	0	45	593x465x458	0	0	—	—
GF6900 / R5000(R5300)	292	4.5	5.0	4.8	5.3	17.5	55	593x500x477	0	0	0	0	0	0	0	0	—	—
GF7800 / R5500(R6000)	420	5.0	5.5	5.5	6.0	25	85	683x540x542	85	737x576x577	0	0	77	697x562x577	63	694x524x554	—	—
GF8500 / R6000(R6500)	420	5.5	6.0	6.0	6.5	25	87	683x540x542	85	737x576x577	80	717x562x564	80	697x562x577	65	694x524x554	78	694x524x554
GF9800E / R7500(R8000)	499	7.0	7.5	7.5	8.0	25	96	683x540x542	95	737x576x577	0	0	93	697x562x577	93	694x524x554	—	—
GF11700E / R8500(R9000)	499	8.0	8.5	8.5	9.0	25	98	683x540x542	97	737x576x577	96	717x562x564	95	697x562x577	95	694x524x554	—	—
GF12000E / R9500-	499	9.0	9.5	—	—	25	98	683x540x542	97	737x576x577	0	0	95	697x562x577	95	694x524x554	—	—

O Customizable

— Not optional

Big Portable Gasoline Generators

- All copper wire alternator, long life time.
- AVR automatic voltage adjustment.
- Equipped with circuit breaker protectors to intelligently protect alternator and electrical equipment.
- V-type two-cylinder engine, more stable performance, longer durability One-touch start, remote start, ATS and other optional configurations, which are more convenient and smarter to use.
- Large fuel tank to meet the demand of uninterrupted operation.



Big Portable Gasoline Generators

12000~20000W



Engine Features:

- Powerful RATO V-twin engine for long-life running and stable performance.
- One-touch start, remoted start and manual start are available as your choice.
- ATS ready for your optional choice.
- 220/380V dual voltage and 3-phase use for more applications.



MODEL (New)	GF15600E	GF26000E
MODEL (Old)	R14000	R19000 /R20000
Engine Type	V-twin, 4-Stroke(OHV)	V-twin, 4-Stroke(OHV)
Displacement (cc)	739	999
Bore x Stroke (mm)	82 x 70	90 x78.5
Compression ratio	8.5:1	8.5:1
Rated Frequency (Hz)	50	50 /60
Rated Voltage (V)	220/230	220/230 /120/240
Rated Power (kW)	12.0	18.0 /19.0
Max. Power (kW)	14.0	19.0 /20.0
DC Output	12V/8.3	12V/8.3A
Starting System	Electric	Electric
Fuel Tank Capacity (L)	30	50
Running Time (Full load) (H)	4.5	6 /5
Running Time (1/2 load) (H)	8.5	9 /8.5
Noise (dB@7m)	83	86 /88
Dimensions (L x W x H)(mm)	820x595x685	940x683x823
Net Weight (kg)	155	245
Loading Qty (20GP/40GP/40HQ)	48/104/156	28/60/60

Home Standby Generators

- RATO Commercial OHV V-twin Engine.
- LP or Natural Gas Fuel Type Generator.
- Electronic Governor.
- Tough, Durable Aluminium Enclosure.
- LCD Multilingual Digital Controller.

Home Standby Generators GH26000E-A



Engine Features:

- Full pressure lubrication system: pressurized lubrication to all vital bearings means better performance, less maintenance and longer engine life.
- Electronic ignition/spark advance: these features combine to assure smooth, quick starting every time.
- High temperature shutdown, prevents damage due to overheating.
- Low oil pressure shutdown system, shut down protection prevents catastrophic engine damage due to low oil.
- Cast iron cylinder sleeve: rigid construction and added durability provide long engine life.



MODEL (New)

MODEL (Old)

GH26000E-A

R19000EM /[R22000EPM](#)

Engine Type	V-twin			
Displacement (cc)	999			
Bore x Stroke (mm)	90x78.5			
Compression ratio	9.5 :1			
Rated frequency (Hz)	50		60	
Engine/alternator (rpm)	3000		3600	
Rated power (Gas)	---		---	
Rated power (Lpg)	17		20	
Max power (Lpg)	19.0		22	
Rated power (Ng)	16.0		18	
Max nower (Ng)	16.5		20	
Rated volt (V)	230	230/400	120/240	127/220
Rated current (Gas)	----		----	
Rated current (Lpg)	74	31	83	66
Rated current (Ng)	70	29	75	59
Phase	Single	Three	Single	Three
Power factor	1.0	0.8	1.0	0.8
Dimensions (L x W x H)(mm)	245 kg (no battery)		250 kg (no battery)	
Loading Qty (20GP/40GP/40HQ)	1282x670x720mm		1282x670x720mm	