Ruud *Achiever*® Series
Multi position Gas Furnaces



R92P- Series

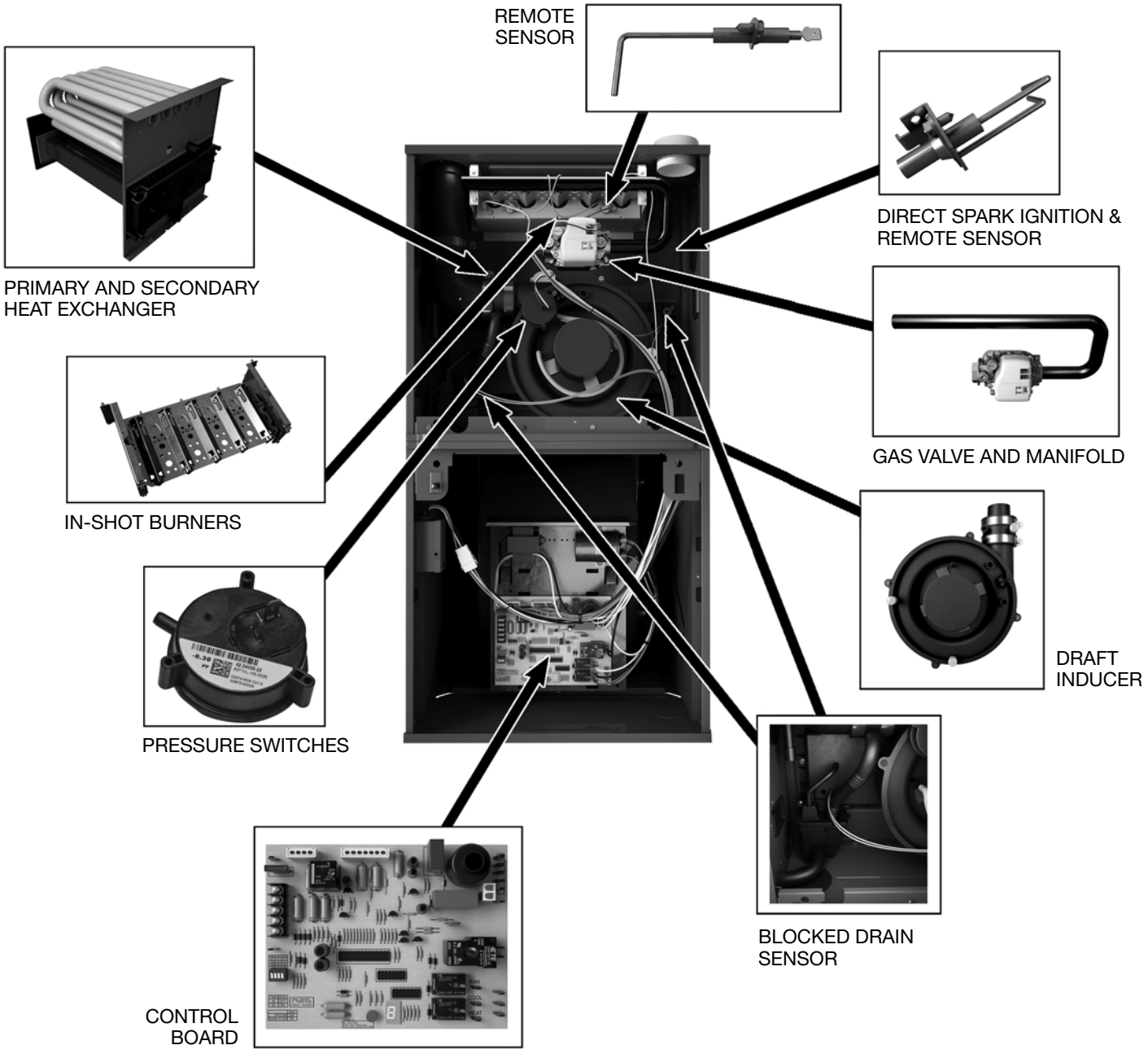
92% A.F.U.E.†
Input Rates from 40 to 115 kBTU
[11.72 to 33.71 kW]

†A.F.U.E. (Annual Fuel Utilization Efficiency) calculated in accordance with Department of Energy test procedures.

- 92% residential gas furnace CSA certified
- 4 way multi-poise design
- PlusOne™ Diagnostics 7-Segment LED all units
- PlusOne™ Ignition System – DSI for reliability and longevity
- PlusOne™ Water Management System with patented Blocked Drain Sensor
- Heat exchanger is removable for improved serviceability. Aluminized steel primary and stainless steel secondary construction provide maximum corrosion resistance and thermal fatigue reliability.
- Low profile "34 inch" cabinet ideal for space constrained installations.
- Blower Shelf design – serviceable in all furnace orientations
- Pre marked hoses – insures proper system drainage
- Vent with 2" or 3" PVC
- Replaceable Collector box
- Hemmed edges on cabinet and doors
- Quarter turn fasteners for tool less access
- Integrated control boards feature dip switches for easy system set up
- Self priming condensate trap

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STANDARD EQUIPMENT

Completely assembled and wired; blocked drain sensor, 7 segment LED and marked hoses; heat exchanger; primary: aluminized steel, secondary: 29-4C stainless steel; induced draft; pressure switches; redundant main gas control; blower compartment door safety switch; solid state time on/off blower control; limit controls; manual shut-off valve; 100% safety lock out; cool fan off delay; field selectable heat fan off delay; one hour automatic retry; power and self-test diagnostics; flame sense current diagnostics; electronic air cleaner connections; twinning (built-in) features; humidifier connections; humidifier on/off delay; low speed continuous fan option; single speed option for heating and cooling applications; transformer; direct drive, multi-speed blower motor. (Please note: a thermostat is not included as standard equipment.)

OPTIONAL EQUIPMENT

Side and bottom filter racks; return air cabinet for all sizes.

NOTE: Furnace is not listed for use with fuels other than natural or L.P. (propane) gas.

All models can be converted by a qualified distributor or local service dealer to use L.P. (propane) gas without changing burners. Factory approved kits must be used to convert from natural to L.P. (propane) gas and may be ordered as optional accessories from a parts distributor.

For L.P. (propane) operation, refer to Conversion Kit Index Form.

WARNING

THIS FURNACE IS NOT APPROVED
OR RECOMMENDED
FOR USE IN MOBILE HOMES

Physical Data and Specifications—Upflow Models

U.S. and Canadian Models

MODEL NUMBERS	R92PA0401317MSA	R92PA0601317MSA	R92PA0701317MSA	R92PA0851521MSA	R92PA1001521MSA	R92PA1151524MSA
HIGH FIRE INPUT BTU/HR [kW] ①	42,000 [12.31]	56,000 [16.41]	70,000 [20.50]	84,000 [24.61]	98,000 [28.72]	112,000 [32.82]
HEATING CAPACITY BTU/HR [kW]	39,000 [11.43]	52,000 [15.24]	65,000 [19.05]	78,000 [22.86]	91,000 [26.67]	104,000 [30.48]
HIGH ALTITUDE OUTPUT 10% DERATE [kW] ②	35,154 [10.30]	46,872 [13.74]	58,590 [17.17]	70,308 [26.60]	82,026 [24.03]	93,744 [27.47]
BLOWER (D x W) [mm]	11 x 7 [279 x 178]	11 x 8 [279 x 203]	11 x 8 [279 x 203]	11 x 10 [279 x 254]	11 x 10 [279 x 254]	11 x 11 [279 x 279]
MOTOR H.P. [W]– TYPE	1/4 [187]-4-PSC	1/2 [373]-4-PSC	1/2 [373]-4-PSC	3/4 [559]-4-PSC	3/4 [559]-4-PSC	3/4 [559]-4-PSC
MIN. CIRCUIT AMPACITY	8	11	11	13	13	13
MIN. OVERLOAD PROTECTION DEVICE	15	15	15	15	15	15
MAX. OVERLOAD PROTECTION DEVICE	15	15	15	20	20	20
HEATING SPEED	MED-HIGH	MED-HIGH	MED-HIGH	MED-HIGH	MED-HIGH	MED-HIGH
COOLING SPEED	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH
MINIMUM EXT. STATIC PRESSURE (IN. W.C.) [kPa]	.18 [.045]	.20 [.050]	.23 [.057]	.28 [.070]	.28 [.070]	.28 [.070]
MAXIMUM EXT. STATIC PRESSURE (IN. W.C.) [kPa]	0.8 [0.19]	0.8 [0.19]	0.8 [0.19]	0.8 [0.19]	0.8 [0.19]	0.8 [0.19]
HEATING CFM @ .2" [.049 kPa] W.C. E.S.P. [L/s]	1049 [494]	1139 [537]	1211 [571]	1704 [804]	1748 [825]	1750 [825]
COOLING CFM @ .5" [.124 kPa] W.C. E.S.P. [L/s]	1121 [528]	1232 [581]	1318 [622]	1742 [822]	1782 [841]	1934 [912]
TEMPERATURE RISE-HIGH FIRE RANGE IN DEGREES °F [°C]	25 - 55 [14 -31]	35 - 65 [19 - 36]	40 - 70 [22 - 39]	35 - 65 [19 - 36]	35 - 65 [19 - 36]	45 - 75 [25 - 42]
APPROX. SHIPPING WEIGHT (LBS.) [kg]	123.5 [56]	128 [58]	132 [60]	147.5 [67]	152 [69]	165 [75]
AFUE ③	92.00%	92.00%	92.00%	92.00%	92.00%	92.00%

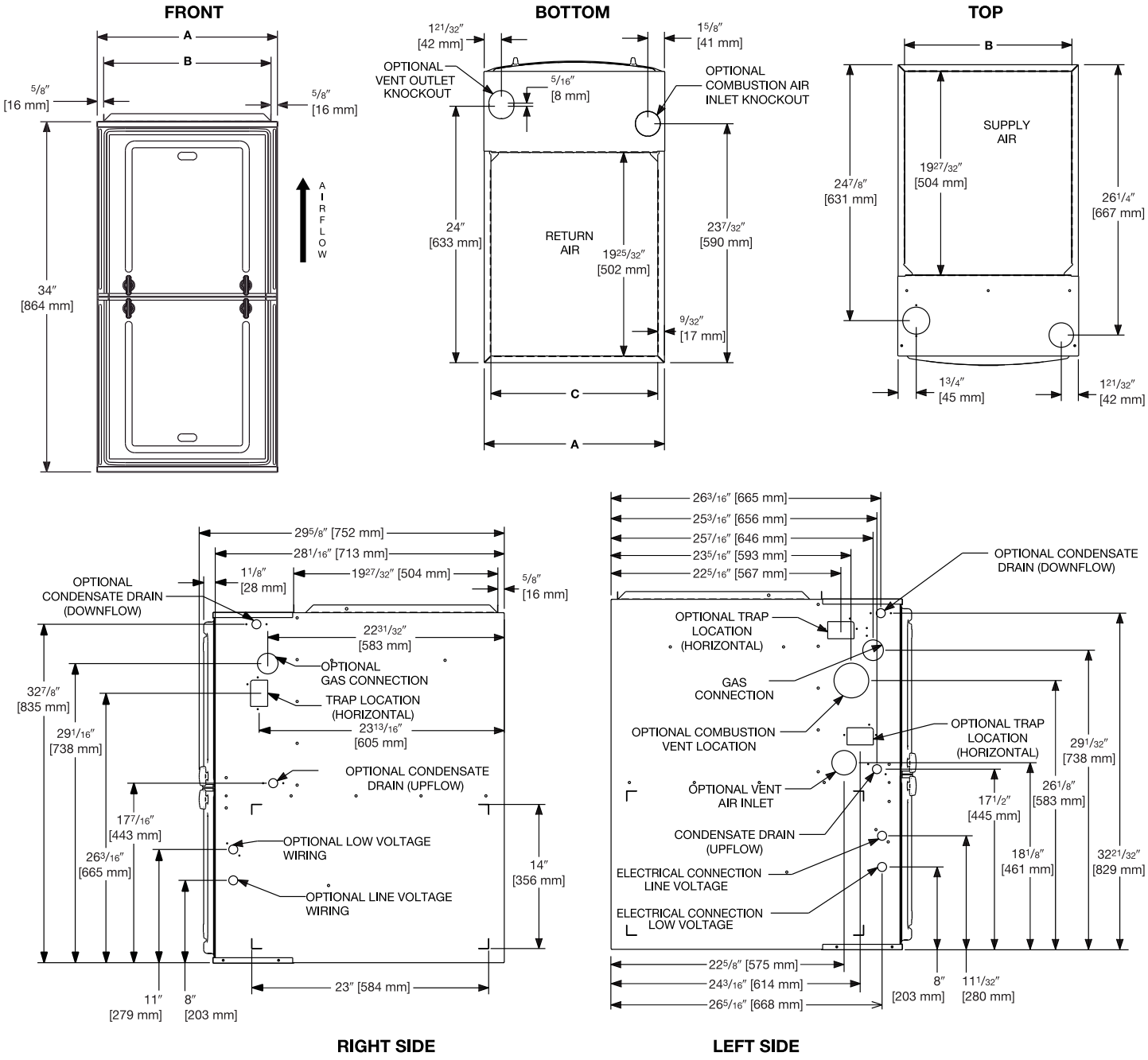
NOTES: All models are 115V, 60HZ, 1 phase Gas connection size for all models is 1/2" [13 mm] N.P.T.
① Installation instructions for high altitude derate.
② Canadian installations only.
③ In accordance with D.O.E. test procedures.
*S=Standard Models
NOTE: Standard model complies with California low nox requirements.

[ ] Designates Metric Conversions

Model Number Identification

R	92	P	A	—	040	1	3	17	M	S	A
Ruud	Series 92% Efficient	Motor - PSC	Design Series A = 1st Design		Input BTU/HR 040 = 42,000 [12.31 kW] 060 = 56,000 [16.41 kW] 070 = 70,000 [20.51 kW] 085 = 84,000 [24.62 kW] 100 = 98,000 [28.72 kW] 115 = 112,000 [32.82 kW]	Stage - Single	Airflow 3 - Up to 3 Tons 5 - Up to 5 Tons	Cabinet Width 17 = 17.5" 21 =21.0" 24 =24.5"	Configuration - Multi-Position	S = Standard	Revision - Marketing (A - First Time Release)

[ ] Designates Metric Conversions



UNIT DIMENSIONS (CLEARANCE TO COMBUSTIBLES)

MODEL R92P	LEFT SIDE	MINIMUM CLEARANCE (IN.) [mm]					SHIP WGTS. (LBS.) [kg]	FLANGE DIMENSIONS		
		RIGHT SIDE	BACK	TOP	FRONT	VENT		A	B	C
040	0	0	0	1 [25]	2 [51]	0	123.5 [56]	17 1/2 [445]	16 17/64 [413]	16 13/64 [412]
060	0	0	0	1 [25]	2 [51]	0	128 [58]	17 1/2 [445]	16 17/64 [413]	16 13/64 [412]
070	0	0	0	1 [25]	2 [51]	0	132 [60]	17 1/2 [445]	16 17/64 [413]	16 13/64 [412]
085	0	0	0	1 [25]	2 [51]	0	147.5 [67]	21 [533]	19 49/64 [502]	19 45/64 [500]
100	0	0	0	1 [25]	2 [51]	0	152 [69]	21 [533]	19 49/64 [502]	19 45/64 [500]
115	0	0	0	1 [25]	2 [51]	0	165 [75]	24 1/2 [662]	23 17/64 [591]	23 13/64 [589]

*A service clearance of at least 24" is recommended in front of all furnaces
Supply and return depicted as upflow configuration.
Flange configuration will vary depending on installation orientation.

[ ] Designates Metric Conversions

MODEL	BLOWER SIZE [mm]	MOTOR H.P. [W]	BLOWER SPEED	CFM [L/s] AIR DELIVERY EXTERNAL STATIC PRESSURE INCHES WATER COLUMN [kPa]							
				0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.19]
R92PA 0401317	11 x 7 [279 x 178]	1/4 [187]	LOW	732 [345]	695 [328]	669 [316]	639 [301]	605 [285]	547 [258]	512 [242]	487 [230]
			MED-LO	875 [413]	845 [399]	820 [387]	792 [374]	766 [361]	726 [342]	659 [311]	605 [286]
			MED-HI*	1073 [506]	1049 [495]	1004 [474]	975 [460]	943 [445]	900 [425]	864 [408]	798 [376]
			HIGH	1279 [603]	1239 [584]	1213 [572]	1174 [554]	1121 [529]	1069 [504]	1033 [487]	980 [462]
R92PA 0601317	11 x 8 [279 x 203]	1/2 [373]	LOW	830 [392]	793 [374]	755 [356]	705 [333]	654 [308]	599 [283]	544 [257]	496 [234]
			MED-LO	940 [443]	908 [428]	875 [413]	821 [387]	766 [361]	710 [333]	653 [308]	584 [275]
			MED-HI*	1168 [551]	1139 [537]	1109 [523]	1060 [500]	1010 [476]	942 [444]	874 [412]	802 [378]
			HIGH	1421 [670]	1385 [653]	1349 [636]	1291 [609]	1232 [581]	1147 [541]	1062 [501]	976 [460]
R92PA 0701317	11 x 8 [279 x 203]	1/2 [373]	LOW	852 [402]	827 [390]	802 [378]	752 [355]	701 [331]	662 [312]	623 [294]	580 [274]
			MED-LO	986 [465]	955 [450]	923 [435]	883 [417]	843 [398]	790 [373]	737 [348]	686 [324]
			MED-HI*	1238 [584]	1211 [571]	1183 [558]	1139 [537]	1094 [516]	1036 [489]	978 [461]	897 [423]
			HIGH	1493 [704]	1452 [685]	1410 [665]	1364 [643]	1318 [622]	1257 [593]	1195 [564]	1084 [511]
R92PA 0851521	11 x 10 [279 x 254]	3/4 [559]	LOW	1313 [619]	1275 [601]	1236 [583]	1221 [576]	1184 [558]	1141 [538]	1098 [518]	1053 [497]
			MED-LO	1488 [702]	1452 [685]	1415 [667]	1384 [653]	1328 [626]	1279 [603]	1229 [580]	1170 [552]
			MED-HI*	1732 [817]	1704 [804]	1676 [791]	1630 [769]	1579 [745]	1498 [707]	1417 [668]	1343 [633]
			HIGH	1983 [935]	1929 [910]	1874 [884]	1810 [854]	1742 [822]	1663 [784]	1583 [747]	1477 [697]
R92PA 1001521	11 x 10 [279 x 254]	3/4 [559]	LOW	1329 [627]	1313 [619]	1296 611]	1260 [594]	1224 [577]	1171 [552]	1117 [527]	1049 [495]
			MED-LO	1535 [724]	1498 [707]	1461 [689]	1422 [671]	1382 [652]	1325 [625]	1268 [598]	1203 [567]
			MED-HI*	1796 [847]	1748 [825]	1700 [802]	1656 [781]	1612 [760]	1536 [725]	1460 [689]	1370 [646]
			HIGH	2019 [952]	1961 [925]	1903 [898]	1843 [869]	1782 [841]	1687 [796]	1592 [751]	1489 [702]
R92PA 1151524	11 x 11 [279 x 279]	3/4 [559]	LOW	1249 [589]	1234 [582]	1219 [575]	1183 [558]	1146 [541]	1112 [525]	1078 [508]	1017 [480]
			MED-LO	1440 [679]	1429 [674]	1417 [668]	1381 [651]	1344 [634]	1313 [619]	1281 [604]	1221 [576]
			MED-HI*	1770 [835]	1750 [825]	1730 [816]	1696 [800]	1662 [784]	1611 [760]	1559 [735]	1463 [690]
			HIGH	2123 [1001]	2077 [980]	2031 [958]	1983 [935]	1934 [912]	1856 [875]	1777 [838]	1665 [785]

*Factory setting for heat all grey cells are valid heating settings. Do not use speed tabs and/or static pressure which do not fall into the grey cells on this table.
NOTE: Unit tested without filters.

[ ] Designates Metric Conversions

VENT TERMINATION KITS: =

RXGY-E02: Vertical/Horizontal Concentric Vent Termination Kit 2" Pipe (US Only)

RXGY-E02A: Vertical/Horizontal Concentric Vent Termination Kit 2" Pipe (US & Canadian)

RXGY-E03: Vertical/Horizontal Concentric Vent Termination Kit 3" Pipe (US Only)

RXGY-E03A: Vertical/Horizontal Concentric Vent Termination Kit 3" Pipe (US & Canadian)

RXGY-G02: Direct Vent Furnace Side Wall Vent 2" or 3" (US Only)

RXGY-D05: Combustion Air Drain Kit 2"

RXGY-D06: Combustion Air Drain Kit 3"

NEUTRALIZER KIT: RXGY-A01
(Replacement Cartridge 54-22120-01)

EXTERNAL BOTTOM FILTER (UPFLOW/HORIZONTAL) RACK: RXGF-CB

EXTERNAL SIDE (UPFLOW) FILTER RACK: RXGF-CD

EXTERNAL (DOWNFLOW) FILTER RACK: RXGF-CC

FILTER RACK FILTER SIZES* INCHES [mm]			
MODEL	**RXGF-CB (UPFLOW/ HORIZONTAL)**	**RXGF-CD (UPFLOW)**	**RXGF-CC (DOWNFLOW)**
R92PA040	15 3/4 x 25 [400 x 635]	15 3/4 x 25 [400 x 635]	14 x 20 [356 x 508]
R92PA060	15 3/4 x 25 [400 x 635]	15 3/4 x 25 [400 x 635]	14 x 20 [356 x 508]
R92PA070	15 3/4 x 25 [400 x 635]	15 3/4 x 25 [400 x 635]	14 x 20 [356 x 508]
R92PA085	19 1/4 x 25 [489 x 635]	15 3/4 x 25 [400 x 635]	14 x 20 [356 x 508]
R92PA100	19 1/4 x 25 [489 x 635]	15 3/4 x 25 [400 x 635]	14 x 20 [356 x 508]
R92PA115	22 3/4 x 25 [578 x 635]	15 3/4 x 25 [400 x 635]	14 x 20 [356 x 508]

INDOOR COIL CASINGS

MODEL NUMBER
RXBC-D17A1
RXBC-D21A1
RXBC-D21B1
RXBC-D24A1

FOR HIGH ALTITUDES:

NOTE: For Canadian installations only, an optional derate (manifold gas pressure reduction) method may be used to adjust the furnace for altitude. See Installation Instructions for more information. This optional method may **NOT** be used for U.S. installations. See installation instructions as appropriate orifice change is required.

L.P. CONVERSION KIT: RXGJ-FP33

CONDENSATE PUMP KIT: PROSTOCK & 1PCB151TUL

DOWNFLOW/HORIZONTAL CONVERSION KIT: RXGY-CK

DOWNFLOW/HORIZONTAL LEFT ZERO CLEARANCE CONVERSION KIT: RXGY-ZK

COMBUSTIBLE FLOOR BASE: RXGC-B17
RXGC-B21
RXGC-B24

[ ] Designates Metric Conversions

GENERAL TERMS OF LIMITED WARRANTY*

Ruud will furnish a replacement for any part of this product which fails in normal use and service within the applicable period stated, in accordance with the terms of the limited warranty.

***For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.**

Conditional Parts
(Registration Required) .....Ten (10) Years
Heat Exchanger .....Twenty (20) Years

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

Ruud Heating, Cooling & Water Heating • P.O. Box 17010
Fort Smith, Arkansas 72917 • www.ruud.com

Ruud Canada • 125 Edgeware Road, Unit 1
Brampton, Ontario • L6Y 0P5

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