

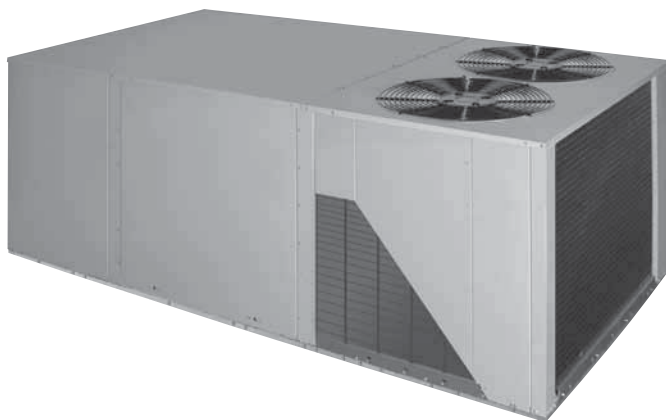
TECHNICAL SPECIFICATIONS

R6GP Series

6, 7½ and 10 Ton Packaged Gas/Electric Units, with R-410A

11.2 EER Commercial System

These units are designed specifically for retrofit applications and compatibility with most standard footprints. They take less time to install and retrofit, making the contractor's job more profitable. These units offer flexibility in the replacement market. This unit is compliant with the 2007 requirements of ASHRAE 90.1 ADDENDUM S.



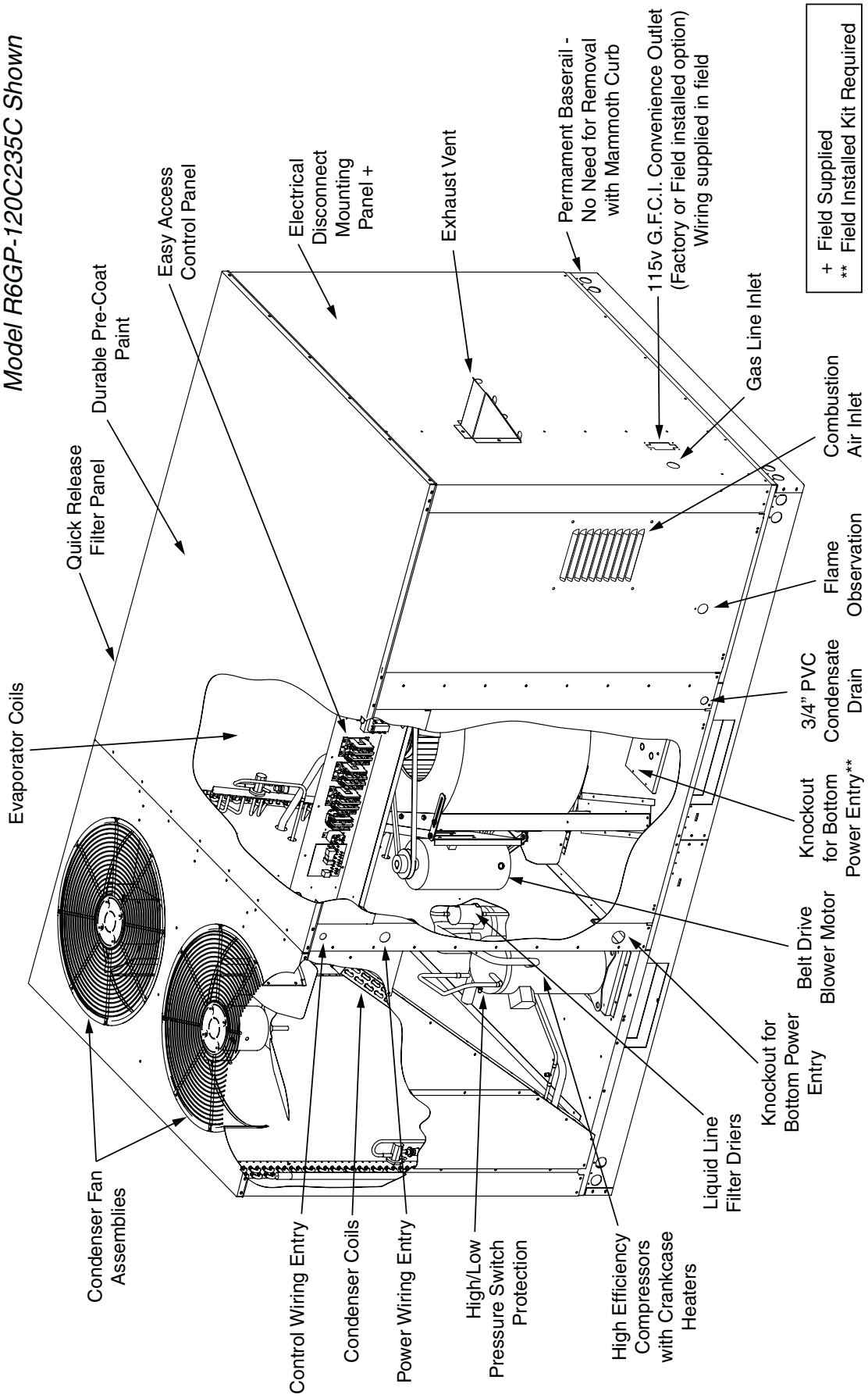
WARRANTY

- 1 year limited parts
- 5 year compressor
- 10 year limited heat exchanger.

FEATURES and BENEFITS

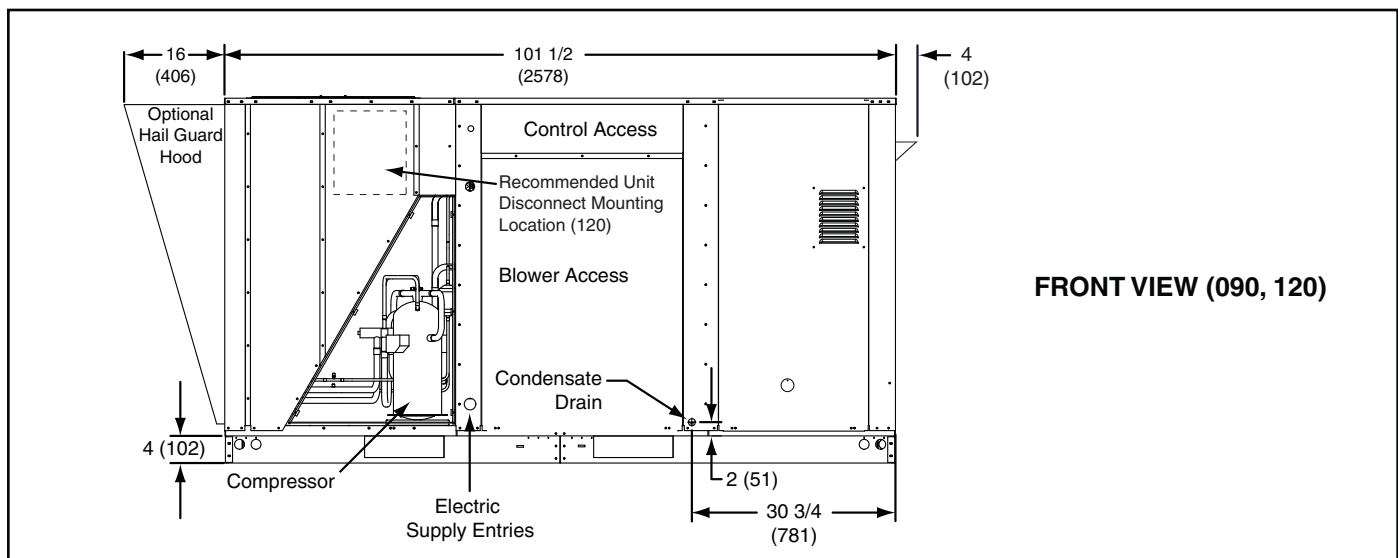
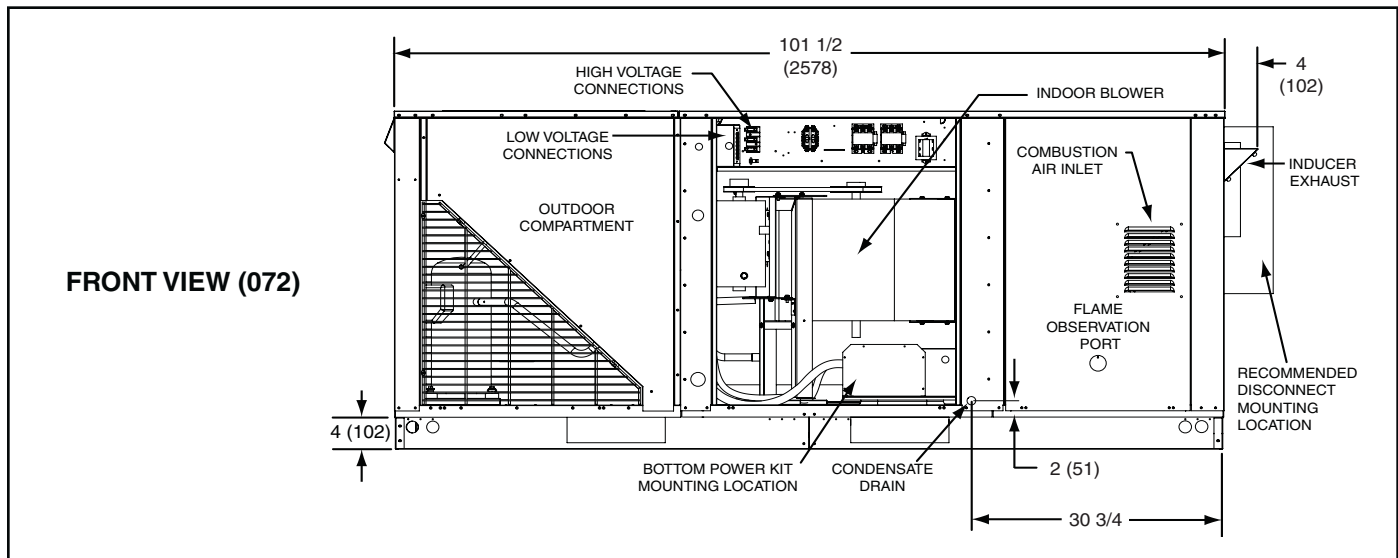
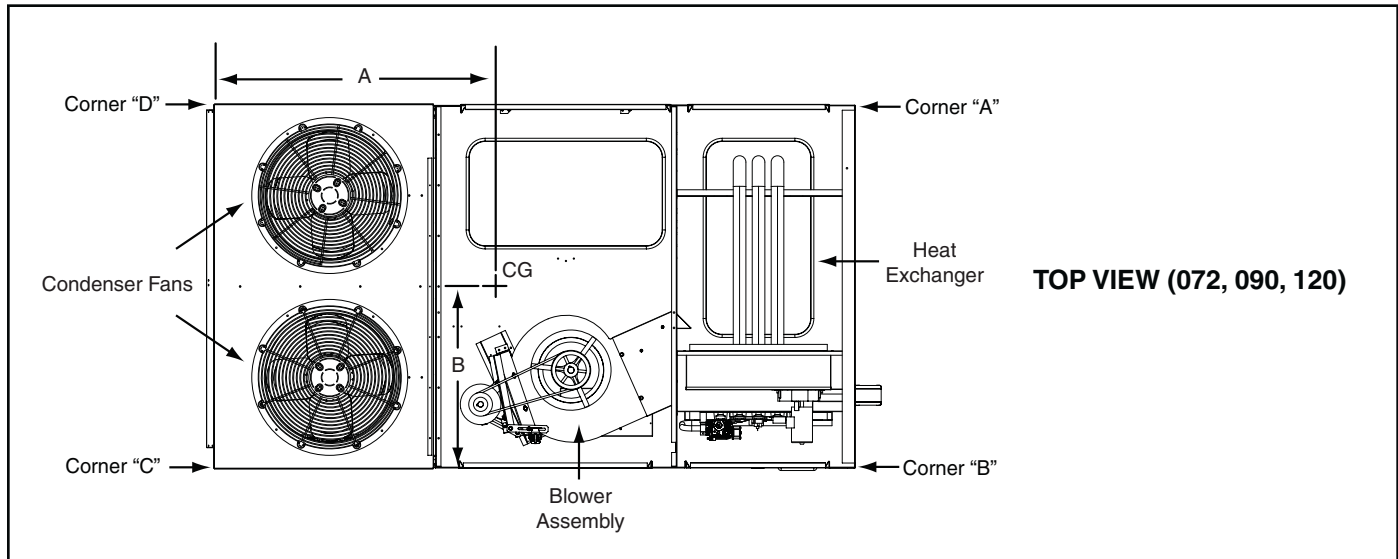
- **Quality Compressor:** State of the art scroll compressor is standard equipment.
- **R-410A refrigerant:** Earth friendly non-ozone depleting refrigerant.
- **7 ½ & 10 Ton Feature Two-Stage Heating and Cooling.**
- **6 Ton Features Two Stage Heating and Single Stage Cooling.**
- **Hi/Low Pressure Switches:** Ensure long compressor life. Featuring manual reset high pressure control.
- **Copper Tube / Aluminum Fin Coils:** Both indoor and outdoor coils are designed to optimize heat transfer, minimize size and cost, and increase durability and reliability.
- **Plastic Mesh Hail Guard:** A guard that will never rust and protects the units coil from being damaged.
- **For Easy Service:** Hi/low service ports allow quick access without disrupting operation.
- **Permanently Lubricated Motor:** A heavy duty PSC motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow.
- **75 VA Transformer:** Includes 4 Amp circuit breaker to protect low voltage circuit.
- **Liquid Line Filter Driers:** Factory installed for convenience.
- **Crankcase Heater:** Protection from liquid floodback and future compressor failures.
- **Freeze protection thermostats:** Provide reliable compressor operation.
- **Easy Compressor and Control Access:** Designed to make servicing easier for the contractor, access panels are provided to all controls and the compressor from the side of the unit.
- **Convertible Air Delivery with Kit:** Easily converts to horizontal airflow with side panel including duct flange and bottom close off panels.
- **Quick-Release Filter Access Panels:** Requires no special servicing tools.
- **Fully Insulated Bottom Pan:** Helps ensure quiet operation and prevents condensation.
- **Removable Top Grille Assembly:** Allows ease of service to the fan motor.
- **Full Perimeter Base rail System:** Base rails have rigging holes and do not need to be removed for curb applications. Base rails have fork truck slots on three sides.
- **Durable, Attractive Cabinet:** Designed using 20 gauge galvanized steel with a polyester urethane finish. The 950 hour salt spray finish is 1.5 mil thick and resists corrosion 50% better than comparable units.
- **Compatibility:** Fits most standard rooftop applications— can be easily adapted for exceptions. Footprint database available for cross-reference at www.rooftopsystems.com under the “Adapter Quote” tab.

Model R6GP-120C235C Shown

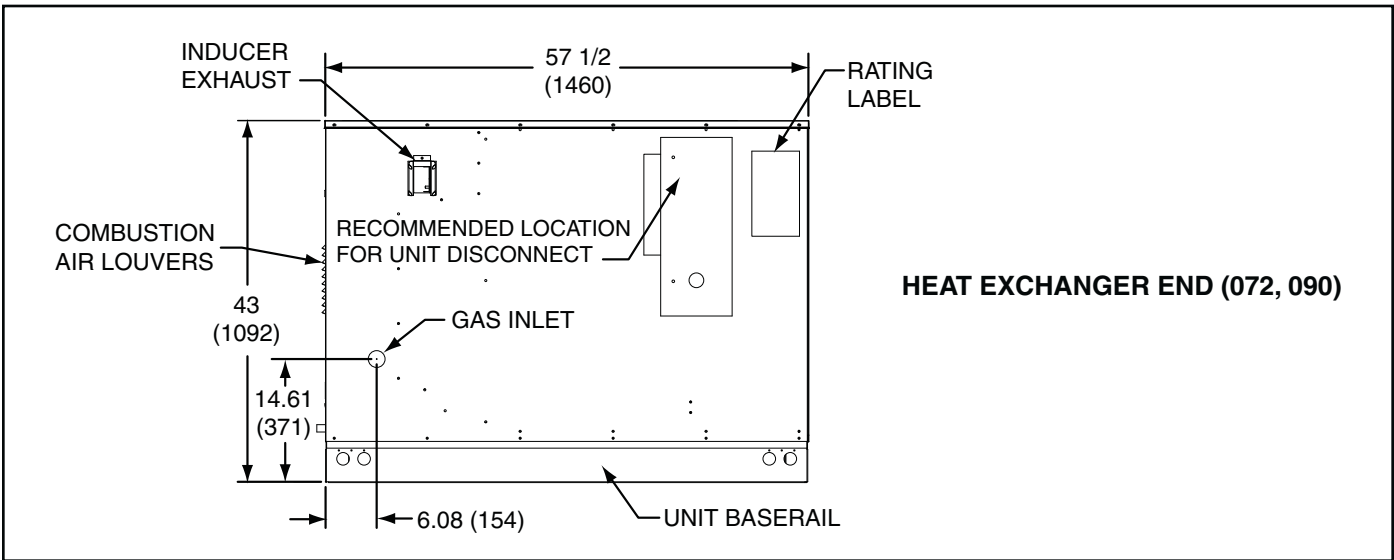
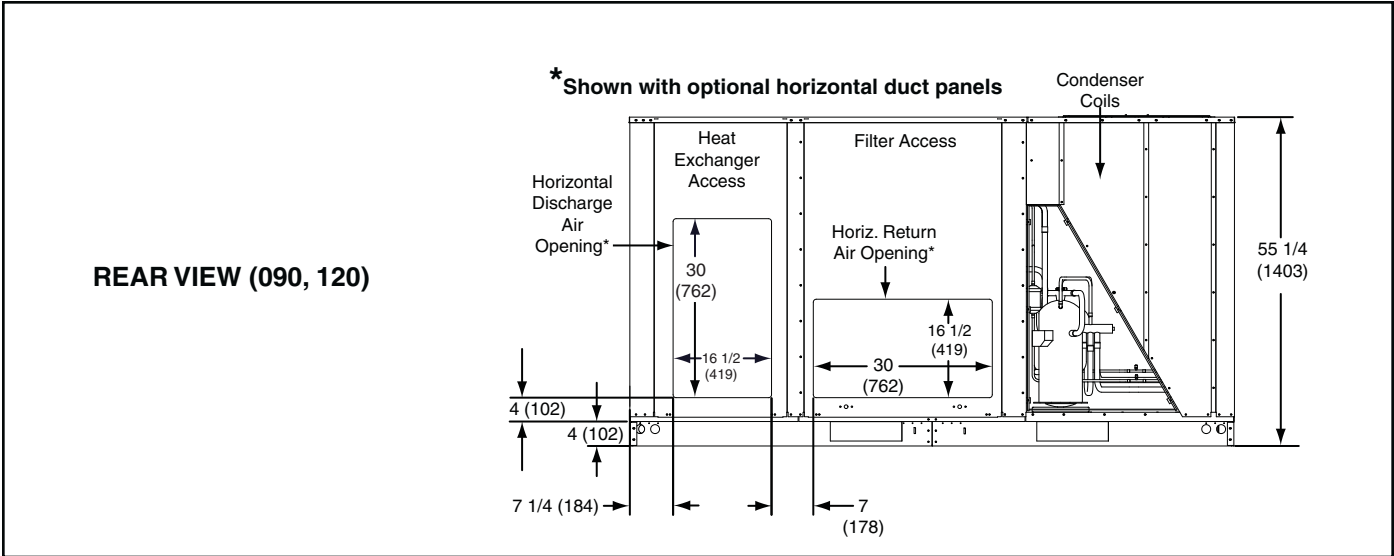
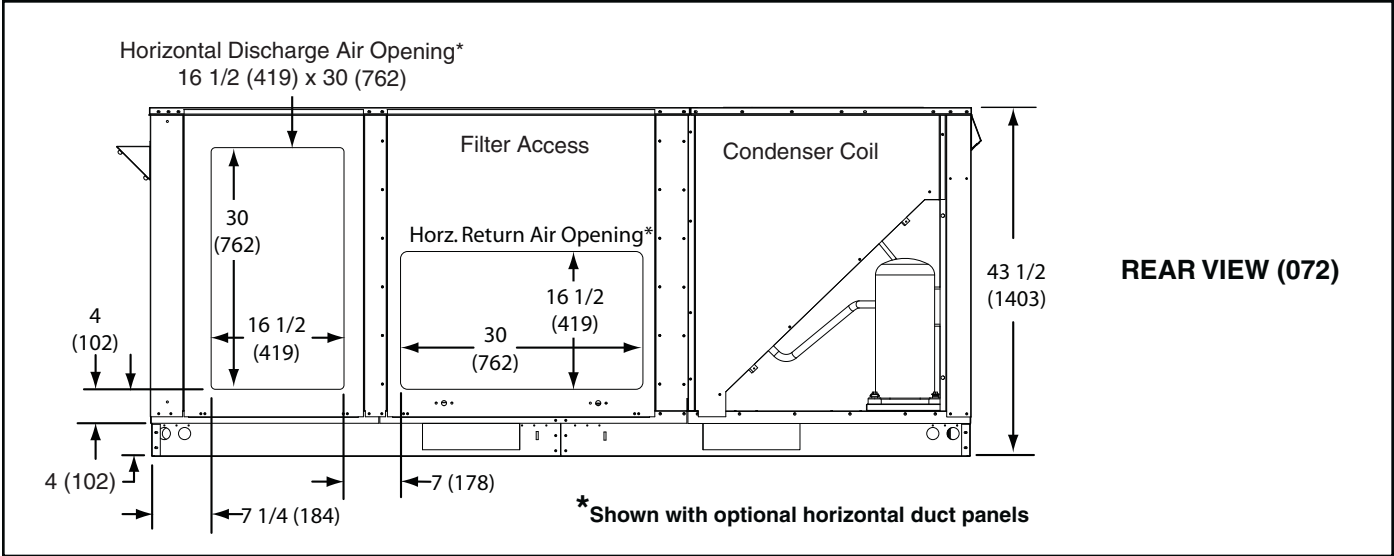


R6GP – PHYSICAL DATA

Dimensions shown in inches (mm)

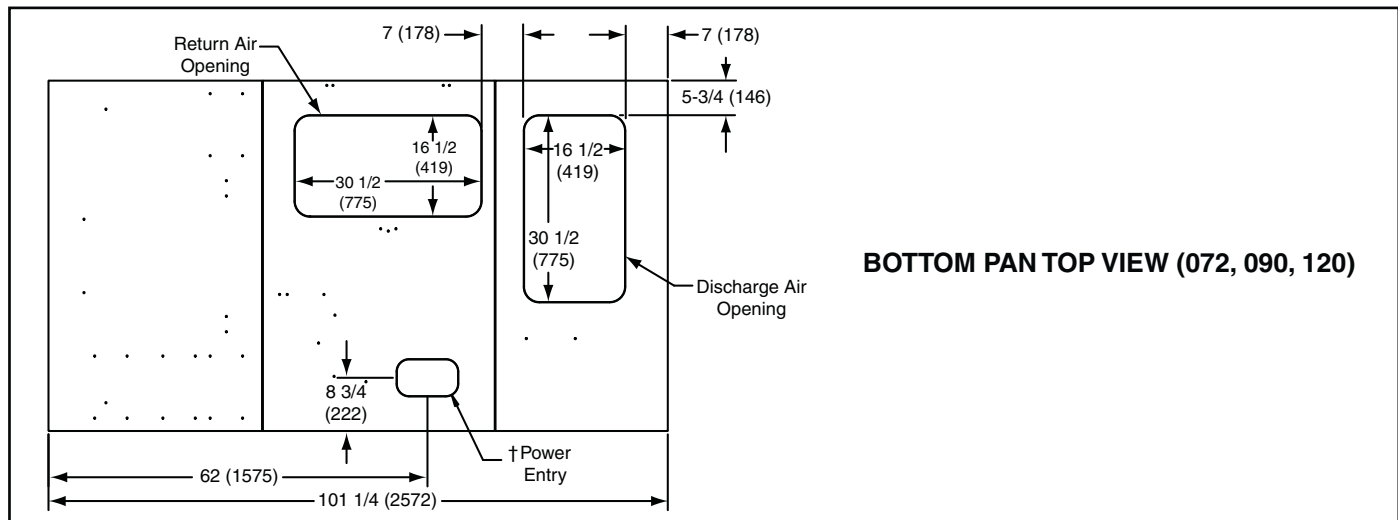
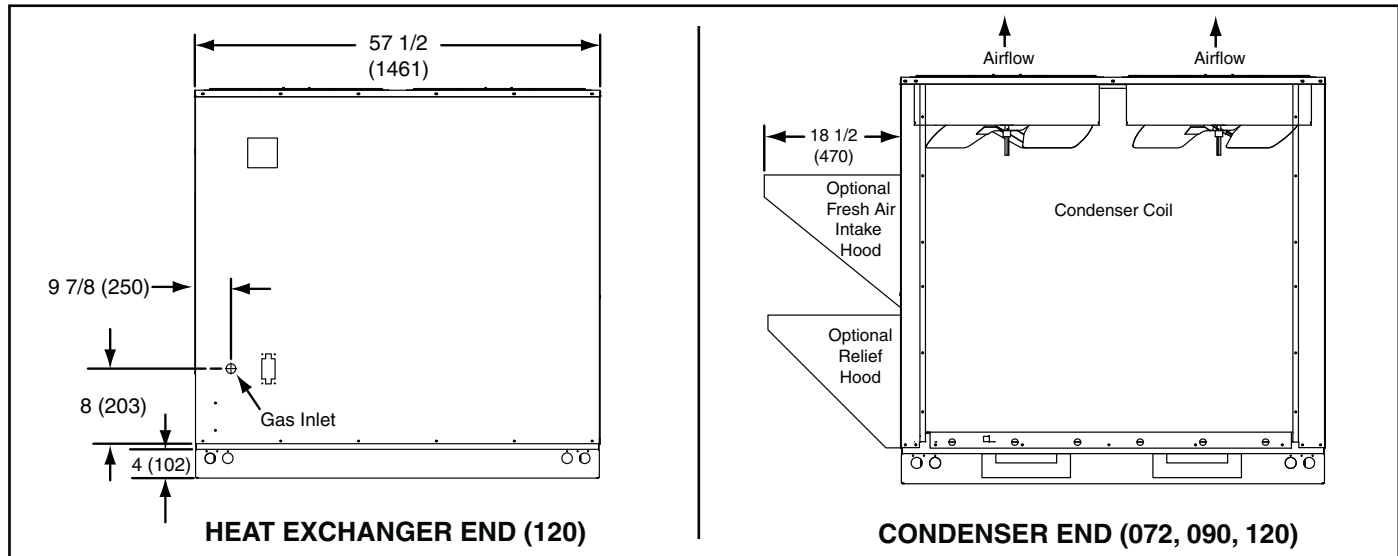


R6GP – PHYSICAL DATA (CONTINUED)
Dimensions shown in inches (mm)



R6GP – PHYSICAL DATA (CONTINUED)

Dimensions shown in inches (mm)

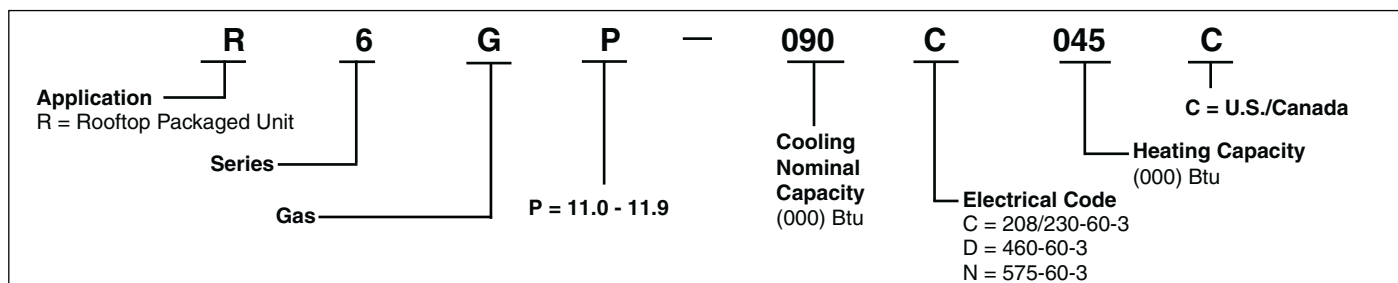


Model No.	Unit Weight ‡		Shipping Weight		Center of Gravity Inches (mm)		Corner Weights								Unit Height *	
							A		B		C		D		Horizontal Duct Applications	Vertical Duct Applications
	Lbs.	Kg.	Lbs.	Kg.	A	B	Lbs.	Kg.	Lbs.	Kg.	Lbs.	Kg.	Lbs.	Kg.		
R6GP-072*-100C	934	425	1069	486	48 (1219)	25-5/8 (651)	197	89	245	111	273	124	219	100	43-1/2 (1105)	38-1/4 (972)
R6GP-072*-166C	959	436	1094	497	49 (1245)	25-5/8 (651)	206	94	257	117	275	125	221	100	43-1/2 (1105)	38-1/4 (972)
R6GP-090*-200C	983	446	1118	507	55-3/8 (1407)	28 (711)	262	119	275	125	229	104	218	99	43-1/2 (1105)	38-1/4 (972)
R6GP-120*-235C	1301	590	1441	654	49 (1245)	30 (762)	300	136	328	149	351	159	322	146	55-1/4 (1403)	50 (1270)

* Bas rails are not intended to be removed. Information provided is total unit height for Horizontal duct applications or height dimension added to selected roof curb height for Vertical duct applications.

‡ Unit weight without packaging or field installed accessories.

MODEL IDENTIFICATION CODE



UNIT SPECIFICATIONS DATA

Model R6GP-	-072C -100C	-072D -100C	-072C -166C	-072D -166C	-090C -200C	-090D -200C	-120C -235C	-120D -235C
Performance Data								
Gross Cooling Capacity (High) - BTUH	73,300	73,300	73,300	73,300	93,500	93,500	125,000	125,000
¹ Rated Cooling Capacity (Net @ 95°) - BTUH	72,000	72,000	72,000	72,000	90,000	90,000	119,000	119,000
^{1,2} E.E.R. - Cooling Efficiency (Btu/Watt)	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
^{1,3} Cooling Capacity (IPLV, 2-Stage) - BTUH	n/a	n/a	n/a	n/a	101,000	101,000	132,000	132,000
^{1,3} Cooling Capacity (IPLV, 1-Stage) - BTUH	n/a	n/a	n/a	n/a	52,500	52,500	63,000	63,000
IEER	12.6	12.6	12.6	12.6	12.3	12.3	11.5	11.5
AHRI Rated Airflow - CFM	2,400	2,400	2,400	2,400	3,000	3,000	4,000	4,000
⁴ Heating - Steady State Efficiency	80%	80%	80%	80%	78%	78%	80%	80%
Natural Gas - Heating Input (High) - BTUH	100,000	100,000	166,000	166,000	200,000	200,000	235,000	235,000
Natural Gas - Heating Input (Low) - BTUH	65,000	65,000	108,000	108,000	95,000	95,000	150,000	150,000
LP Gas - Heating Input (High) - BTUH	85,000	85,000	141,000	141,000	175,000	175,000	205,000	205,000
LP Gas - Heating Input (Low) - BTUH	55,000	55,000	92,000	92,000	136,000	136,000	125,000	125,000
⁴ GAMA Rated E.S.P. (in-Wg)	0.25	0.25	0.25	0.25	0.25	0.25	0.3	0.3
Electrical Rating - 60 Hz.	w/ Standard Blower Drive							
Phase	3	3	3	3	3	3	3	3
Operating Voltage	187-253	414-506	187-253	414-506	187-253	414-506	187-253	414-506
Maximum Rated Ampacity	25.2	12.8	25.2	12.8	40.9	19.2	46.4	22.5
Minimum Circuit Ampacity (MCA)	30.0	15.2	30.0	15.2	44.2	20.7	50.9	24.7
Max. Overcurrent Protection (MOP)	45	20	45	20	50	25	60	30
Electrical Rating - 60 Hz.	w/ Medium or High Static Blower Drive							
Phase	3	3	3	3	3	3	3	3
Operating Voltage	187-253	414-506	187-253	414-506	187-253	414-506	187-253	414-506
Maximum Rated Ampacity	26.4	13.4	26.4	13.4	46.7	22.2	49.3	24
Minimum Circuit Ampacity (MCA)	31.2	15.8	31.2†	15.8†	50.0	23.7	53.8	26.2
Max. Overcurrent Protection (MOP)	50	25	50†	25†	60	25	60	30
Compressor Data	1 ea.	1 ea.	1 ea.	1 ea.	2 ea.	2 ea.	2 ea.	2 ea.
Compressors (Scrolls)	ZP61KCE	ZP61KCE	ZP61KCE	ZP61KCE	ZP39K5E	ZP39K5E	ZP51K5E	ZP51K5E
Volts	208/230	460	208/230	460	208/230	460	208/230	460
Rated Load Amps	21.2	10.9	21.2	10.9	13.1	6.1	17.8	8.6
Lock Rotor Amps	123.0	62.0	123.0	62.0	83.1	41.0	110.0	52.0
Indoor Blower - Belt Drive								
(Qty.) - Wheel Diameter	(1) - 12 x 12	(1) - 12 x 12	(1) - 12 x 12	(1) - 12 x 12	(1) - 12 x 12	(1) - 12 x 12	(1) - 15 x 15	(1) - 15 x 15
Standard Blower Drive Motor - HP / RPM	1 / 1755	1 / 1755	1 / 1755	1 / 1755	2 / 1725	2 / 1725	2 / 1725	2 / 1725
Standard Blower Drive Motor - Amps	3.2	1.5	3.2	1.5	6.2	2.9	6.2	2.9
Blower RPM Range	719 - 960		722 - 964		815-1114		672 - 952	
Blower ESP Range	0.2 - 0.9 in-WC		0.2 - 0.9 in-WC		0.1 - 0.9 in-WC		0.1 - 1.0 in-WC	
Med Static Blower Drive Motor - HP / RPM	1.5 / 1750	1.5 / 1750	1.5 / 1750 ‡	1.5 / 1750 ‡	3 / 1725	3 / 1725	N/A	
High Static Blower Drive Motor - Amps	4.4	2.1	4.4	2.1	9.1	4.4		
Blower RPM Range	920 - 1159		925 - 1187		1033-1330			
Blower ESP Range	0.9 - 1.6 in-WC		0.9 - 1.6 in-WC		0.8 - 1.6 in-WC			
High Static Blower Drive Motor - HP / RPM	N/A		N/A		3 / 1725	3 / 1725	3 / 1725	3 / 1725
High Static Blower Drive Motor - Amps					9.1	4.4	9.1	4.4
Blower RPM Range					1173-1419		848 - 1159	
Blower ESP Range					1.2 - 2.0 in-WC		1.0 - 2.0 in-WC	
Outdoor Fan Data	2 ea.	2 ea.	2 ea.	2 ea.	2 ea.	2 ea.	2 ea.	2 ea.
Motor - HP / RPM	1/3 - 1100	1/3 - 1100	1/3 - 1100	1/3 - 1100	1/3 - 1075	1/3 - 1075	1/3 - 1075	1/3 - 1075
Motor Amps (ea.)	1.5	0.8	1.5	0.8	2.3	1.2	2.3	1.2
Fan Diameter / CFM	20" / 7000	20" / 7000	20" / 7000	20" / 7000	24" / 8200	24" / 8200	24" / 8200	24" / 8200
Refrigerant Charge - oz. (R-410a)								
Stage 1 Circuit	240 Oz.				168 Oz.		216 Oz.	
Stage 2 Circuit	Not Applicable				168 Oz.		216 Oz.	
High Pressure Switch (PSIG)	Stage 1 - CO: 650 +/- 10 (Manual Reset)							
	Not Applicable				Stage 2 - CO: 650 +/- 10 (Manual Reset)			
Loss of Charge Switch (PSIG)	Cut Out: 5 +/- 5							
	Cut In: 20 +/- 5							
Freeze Protection Thermostats	Opens (°F): 28 +/- 5							
	Closes (°F): 57 +/- 6							
Filters								
Style	Disposable - 2" Pleated							
Size (Qty.)	16" x 20" x 2" (4)						16" x 25" x 2" (4)	

Notes:

- 1) Certified in accordance with A.R.I. Standard 340/360 at the minimum duct external static pressure allowed by the standard.
 - 2) E.E.R. - Energy Efficiency Ratio: The EER and Net Capacity is determined @ 95°F Outdoor DB & 80°F DB / 67°F WB Air entering the evaporator
 - 3) IEER - Integrated Energy Efficiency Ratio: a measure of merit for the part load performance of the unit.
 - 4) Units listed with Gas Heating Capacities @ 225,000 Btu/hr and greater Input rates are rated in accordance with GAMA certification program
- † For Horizontal applications of the R6GP-072*-166C, the MSD motor is 2 Hp - 1740 Rpm see electrical data table for MCA & MOP
‡ For Horizontal applications of the R6GP-072*-166C, the MSD motor is 2 Hp - 1740 Rpm see blower curve for Rpm & Static Range

R6GP - EXPANDED RATINGS, COOLING MODE

R6GP-072(C/D)-(100/166)C

O.D.T			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
2250	75	62	68.4	52.3	5.64	63.1	49.9	6.24	57.7	47.6	6.85	52.4	45.2	7.46
		67	76.1	41.1	5.73	70.6	39.0	6.33	65.0	36.8	6.92	59.5	34.7	7.52
		72	84.7	32.3	5.82	78.7	30.2	6.41	72.8	28.2	7.01	66.8	26.1	7.60
	80	62	68.7	63.0	5.65	63.7	60.5	6.21	58.6	57.9	6.78	54.4	54.2	7.47
		67	76.1	52.3	5.74	71.4	50.3	6.28	66.7	48.2	6.83	60.7	45.5	7.54
		72	84.1	41.5	5.85	78.8	39.4	6.37	73.4	37.2	6.89	67.0	34.5	7.55
2400	75	62	69.2	54.2	5.73	63.9	51.7	6.34	58.6	49.3	6.95	53.3	46.8	7.55
		67	77.1	42.4	5.81	71.6	40.0	6.41	66.2	37.6	7.01	60.7	35.2	7.61
		72	85.9	32.3	5.92	79.9	30.5	6.51	73.8	28.7	7.10	67.8	26.9	7.70
	80	62	69.7	64.4	5.75	65.1	61.4	6.35	60.5	58.5	6.95	55.9	55.6	7.55
		67	77.0	54.1	5.82	72.0	51.7	6.43	65.9	49.4	7.08	60.4	47.0	7.71
		72	85.1	42.7	5.92	79.5	40.3	6.50	73.9	37.9	7.09	68.2	35.5	7.67
2550	75	62	70.0	56.0	5.82	64.7	53.5	6.43	59.5	50.9	7.04	54.2	48.4	7.65
		67	78.0	43.7	5.89	72.7	41.0	6.50	67.3	38.4	7.10	61.9	35.7	7.71
		72	87.0	32.2	6.01	81.0	30.7	6.61	74.9	29.1	7.20	68.8	27.6	7.79
	80	62	70.6	65.8	5.85	66.2	62.8	6.45	62.5	60.9	6.97	57.3	56.9	7.63
		67	77.9	56.0	5.90	72.6	53.4	6.50	67.4	50.9	7.11	62.2	48.3	7.71
		72	86.1	43.9	5.98	80.6	41.4	6.59	75.0	38.9	7.19	69.5	36.4	7.79

R6GP-072(C/D)-(100/166)C

O.D.T			55°F			65°F			75°F			85°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW	T.C.	S.C.	kW
2250	75	62	78.6	57.9	4.49	75.2	56.0	4.87	71.8	54.2	5.25	68.4	52.3	5.64
		67	86.8	46.7	4.59	83.2	44.8	4.97	79.7	43.0	5.35	76.1	41.1	5.73
		72	95.0	36.1	4.70	91.6	34.8	5.07	88.1	33.6	5.45	84.7	32.3	5.82
	80	62	79.2	68.9	4.47	75.8	66.9	4.85	72.8	65.5	5.21	68.7	63.0	5.65
		67	87.3	58.2	4.57	83.8	56.3	4.95	80.6	54.9	5.31	76.1	52.3	5.74
		72	95.0	45.6	4.69	91.6	44.3	5.06	88.8	43.5	5.41	84.1	41.5	5.85
2400	75	62	79.6	59.7	4.58	76.1	57.8	4.97	72.6	56.0	5.35	69.2	54.2	5.73
		67	87.6	48.0	4.68	84.1	46.1	5.06	80.6	44.3	5.44	77.1	42.4	5.81
		72	95.6	36.0	4.79	92.4	34.8	5.17	89.1	33.5	5.54	85.9	32.3	5.92
	80	62	80.2	70.6	4.57	76.7	68.7	4.95	73.6	67.3	5.31	69.7	64.4	5.75
		67	88.1	59.5	4.66	84.6	57.6	5.03	81.5	56.2	5.39	77.0	54.1	5.82
		72	95.6	45.5	4.78	92.4	44.2	5.15	89.8	43.4	5.50	85.1	42.7	5.92
2550	75	62	80.5	61.5	4.68	77.0	59.6	5.06	73.5	57.8	5.44	70.0	56.0	5.82
		67	88.3	49.3	4.77	84.9	47.4	5.15	81.5	45.6	5.52	78.0	43.7	5.89
		72	96.2	35.9	4.88	93.1	34.7	5.26	90.1	33.4	5.64	87.0	32.2	6.01
	80	62	81.1	72.4	4.66	77.6	70.5	5.04	74.5	69.2	5.40	70.6	65.8	5.85
		67	88.8	60.8	4.75	85.5	58.9	5.12	82.4	57.5	5.48	77.9	56.0	5.90
		72	96.2	45.4	4.88	93.2	44.1	5.24	90.8	43.4	5.60	86.1	43.9	5.98

Notes:

- 1) T.C. = Total (Net) Cooling Capacity, S.C. = Sensible Cooling Capacity, kW = Kilowatts
- 2) Expanded Ratings are based on 230 Volt - 60 Hz operation
- 3) Ratings based on Factory Standard Blower Drive
- 4) Bolded Values indicate ARI rating points
- 5) Energy Efficiency Ratio (EER) = T.C. / kW

R6GP - EXPANDED RATINGS, COOLING MODE

R6GP-090(C/D) (Two Compressor Operation)

O.D.T			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
2825	75	62	85.3	65.2	7.08	81.3	63.9	7.74	73.4	62.7	8.84	68.5	61.2	9.39
		67	93.3	52.4	7.19	88.8	51.2	7.84	80.1	50.0	8.94	74.8	48.6	9.46
		72	101.9	39.3	7.31	97.3	38.0	7.97	87.7	36.7	9.06	82.0	35.3	9.59
	80	62	86.0	76.5	7.09	82.2	75.5	7.75	74.3	74.5	8.85	69.8	73.6	9.40
		67	92.9	64.4	7.18	88.6	63.4	7.84	80.0	62.4	8.94	74.7	61.2	9.46
		72	101.7	51.4	7.31	97.0	50.4	7.96	87.5	49.3	9.06	81.6	48.1	9.58
3000	75	62	86.8	69.4	7.27	82.7	68.1	7.93	74.5	66.8	9.05	69.5	65.3	9.57
		67	94.6	55.2	7.38	90.0	54.0	8.03	80.9	52.7	9.14	75.3	51.3	9.64
		72	103.5	40.4	7.51	98.6	39.1	8.17	88.8	37.8	9.27	82.9	36.3	9.78
	80	62	87.9	81.9	7.29	84.3	81.8	7.96	76.6	80.3	9.08	72.2	76.4	9.60
		67	94.5	68.5	7.38	90.0	67.5	8.04	81.2	66.5	9.14	75.6	65.3	9.65
		72	103.1	54.2	7.51	98.2	53.1	8.16	88.4	52.0	9.26	82.5	50.9	9.78
3188	75	62	87.9	73.3	7.46	83.7	72.0	8.12	75.3	70.7	9.24	70.2	69.1	9.75
		67	95.3	57.8	7.57	90.3	56.5	8.22	81.2	55.1	9.32	75.7	53.6	9.82
		72	104.6	41.4	7.71	99.5	40.1	8.36	89.6	38.7	9.46	83.5	37.3	9.95
	80	62	90.3	88.4	7.50	86.7	86.3	8.16	78.7	78.3	8.49	74.0	73.7	9.80
		67	95.6	72.5	7.57	91.1	71.4	8.23	82.0	70.4	8.56	76.6	69.2	9.83
		72	104.1	56.8	7.70	98.9	55.7	8.35	88.9	54.7	8.68	82.4	53.4	9.95

R6GP-090(C/D) (One Compressor Operation)

O.D.T			55 °F			65 °F			75 °F			85 °F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	KW	T.C.	S.C.	KW	T.C.	S.C.	KW	T.C.	S.C.	KW
2825	75	62	58.5	52.6	3.74	52.5	47.2	3.88	48.0	44.1	4.10	45.0	43.2	4.42
		67	64.7	44.3	3.81	58.8	38.9	3.95	54.3	35.8	4.18	51.3	34.9	4.49
		72	71.7	35.0	3.90	65.8	29.7	4.04	61.3	26.6	4.26	58.2	25.7	4.57
	80	62	59.3	59.3	3.78	53.3	53.3	3.92	48.8	48.8	4.15	45.8	45.8	4.46
		67	64.6	57.4	3.85	58.7	52.0	3.98	54.2	48.9	4.21	51.1	48.0	4.52
		72	70.5	49.5	3.92	64.6	44.1	4.06	60.1	41.0	4.28	57.0	40.1	4.59
3000	75	62	59.0	53.7	3.77	53.1	48.3	3.91	48.6	45.2	4.14	45.5	44.3	4.45
		67	65.3	45.3	3.85	59.4	40.0	3.99	54.9	36.9	4.21	51.8	36.0	4.53
		72	72.2	36.1	3.93	66.3	30.8	4.07	61.8	27.6	4.30	58.8	26.8	4.61
	80	62	59.8	59.8	3.82	53.9	53.9	3.96	49.4	49.4	4.18	46.3	46.3	4.49
		67	65.1	58.4	3.88	59.2	53.1	4.02	54.7	50.0	4.24	51.6	49.1	4.56
		72	71.1	50.6	3.95	65.1	45.2	4.09	60.6	42.1	4.32	57.6	41.2	4.63
3190	75	62	59.5	55.3	3.77	53.6	50.0	3.90	49.1	46.8	4.13	46.0	46.0	4.44
		67	65.8	47.0	3.84	59.8	41.6	3.98	55.3	38.5	4.20	52.3	37.6	4.52
		72	72.7	37.8	3.92	66.8	32.4	4.06	62.3	29.3	4.29	59.2	28.4	4.60
	80	62	60.3	60.3	3.81	54.4	54.4	3.95	49.9	49.9	4.17	46.8	46.8	4.49
		67	65.6	60.1	3.87	59.7	54.7	4.01	55.2	51.6	4.24	52.1	50.7	4.55
		72	71.5	52.2	3.94	65.6	46.9	4.08	61.1	43.7	4.31	58.0	42.9	4.62

Notes:

- 1) T.C. = total (Net) cooling in kBtu/h; S.C. = Sensible Cooling in kBtu/h; kW = Kilowatts
- 2) Ratings are based on the Factory Standard blower drive combination
- 3) For 208-230V Units, the ratings shown reflect 230V operation
- 4) Bolded Values indicate AHRI rating points
- 5) Energy Efficiency Ratio (EER) = T.C./kW

R6GP - EXPANDED RATINGS, COOLING MODE

R6GP-120(C/D)-235C (Two Compressor Operation)

O.D.T			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
3500	75	62	112.7	86.5	9.36	107.5	84.9	10.24	97.0	83.3	11.68	90.5	81.3	12.41
		67	123.3	69.6	9.50	117.4	68.0	10.37	105.9	66.3	11.82	98.8	64.5	12.50
		72	134.7	52.2	9.67	128.6	50.5	10.53	115.9	48.7	11.98	108.4	46.9	12.68
	80	62	113.7	101.5	9.37	108.6	100.3	10.25	98.2	98.9	11.71	92.3	97.8	12.43
		67	122.8	85.5	9.49	117.2	84.2	10.36	105.7	82.8	11.82	98.8	81.3	12.51
		72	134.4	68.3	9.67	128.2	66.9	10.53	115.6	65.5	11.98	107.9	63.9	12.67
4000	75	62	114.8	92.1	9.62	109.3	90.4	10.49	98.5	88.7	11.96	91.8	86.7	12.65
		67	125.0	73.3	9.76	118.9	71.6	10.62	107.0	70.0	12.08	99.6	68.1	12.74
		72	136.8	53.6	9.93	130.3	51.9	10.80	117.4	50.1	12.25	109.6	48.2	12.93
	80	62	116.2	108.8	9.64	111.5	108.6	10.52	101.3	106.6	12.01	95.4	101.5	12.69
		67	124.9	91.0	9.75	119.0	89.6	10.62	107.3	88.3	12.09	100.0	86.7	12.75
		72	136.3	71.9	9.93	129.8	70.5	10.79	116.9	69.1	12.25	109.1	67.6	12.92
4500	75	62	116.2	97.4	9.87	110.7	95.6	10.74	99.6	93.9	12.22	92.8	91.8	12.89
		67	125.9	76.8	10.00	119.4	75.0	10.86	107.3	73.2	12.33	100.0	71.2	12.98
		72	138.2	55.0	10.19	131.6	53.2	11.05	118.4	51.4	12.51	110.4	49.5	13.16
	80	62	119.4	117.4	9.91	114.6	114.6	10.79	104.0	104.0	11.22	97.8	97.8	12.95
		67	126.4	96.2	10.01	120.4	94.9	10.88	108.5	93.5	11.31	101.2	91.9	13.00
		72	137.6	75.4	10.18	130.7	74.0	11.04	117.5	72.6	11.48	108.9	70.9	13.16

Notes:

1) T.C. = Total (Net) Cooling Capacity, S.C. = Sensible Cooling Capacity, kW = Kilowatts

2) Expanded Ratings are based on 230 Volt - 60 Hz operation

3) Bolded Values indicate ARI rating points

4) Energy Efficiency Ratio (EER) = T.C. / kW

BLOWER PERFORMANCE DATA

R6GP-072*-100C Series Downflow Configuration

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																							
		0.2			0.3			0.4			0.5			0.6			0.7			0.8			0.9		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
R6GP-072 100C (1 HP)	Fully Closed																								
	1/2 Turn Open																								
	1 Turn Open																		2528	936	0.97	2220	940	0.85	
	1.5 Turns Open															2582	908	0.98	2301	912	0.86	2111	908	0.79	
	2.0 Turns Open													2680	880	0.97	2399	884	0.86	2074	888	0.76	1796	895	0.68
	2.5 Turns Open											2727	854	0.95	2488	858	0.86	2177	862	0.76	1913	866	0.68		
Factory Standard Drive Kit	3.0 Turns Open										2582	831	0.86	2295	835	0.76	1955	839	0.66						
	3.5 Turns Open							2608	804	0.84	2381	808	0.75	2105	801	0.63	1756	806	0.55						
	4.0 Turns Open				2680	775	0.79	2453	780	0.72	2180	784	0.65	1860	786	0.54									
	4.5 Turns Open	2728	745	0.78	2528	749	0.72	2293	746	0.63	1982	750	0.56												
	*5 Turns Open	2588	719	0.72	2375	722	0.65	2110	726	0.57															

Model	Motor Sheave Position	0.9			1.0			1.1			1.2			1.3			1.4			1.50			1.60		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
R6GP-072 100C (1.5 HP) Medium Static Drive Kit	Fully Closed																								
	1/2 Turn Open																								
	1 Turn Open																			2450	1154	4.38	2292	1159	1.34
	1.5 Turns Open																2512	1125	1.38	2266	1129	1.23			
	2.0 Turns Open										2743	1089	1.48	2475	1094	1.28	2176	1099	1.16						
	2.5 Turns Open										2529	1065	1.27	2231	1069	1.13	2046	1074	1.08						
	3.0 Turns Open							2535	1035	1.23	2225	1039	1.06	2042	1043	1.01									
	3.5 Turns Open				2607	1008	1.23	2332	1012	1.11	2004	1016	0.97												
	4.0 Turns Open	2619	979	1.14	2312	984	1.06	2010	988	0.88															
	4.5 Turns Open	2336	951	0.96	2043	956	0.88																		
	*5 Turns Open	2096	924	0.86																					

R6GP-072*-100C Series Horizontal Configuration

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																							
		0.2			0.3			0.4			0.5			0.6			0.7			0.8			0.9		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
R6GP-072 100C (1 HP)	Fully Closed																								
	1/2 Turn Open																						2414	959	1.04
	1 Turn Open																		2545	931	1.02	2306	936	0.92	
	1.5 Turns Open																2563	903	1.00	2353	907	0.91	2046	912	0.79
	2.0 Turns Open													2626	877	0.99	2349	879	0.87	2100	833	0.78			
Low Static Drive Kit	2.5 Turns Open									2729	850	0.97	2462	853	0.87	2165	855	0.77	1862	858	0.68				
	3.0 Turns Open									2590	826	0.85	2298	829	0.76	2018	833	0.68							
	3.5 Turns Open							2663	795	0.85	2426	799	0.77	2026	800	0.64									
	4.0 Turns Open				2738	766	0.81	2514	769	0.74	2261	772	0.68	1957	775	0.58									
	4.5 Turns Open	2785	742	0.79	2558	745	0.72	2289	745	0.68	1995	746	0.60												
	*5 Turns Open	2615	720	0.69	2377	723	0.64	2085	727	0.56	1802	730	0.46												

Model	Motor Sheave Position	0.9			1.0			1.1			1.2			1.3			1.4			1.50			1.60		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
R6GP-072 100C (1.5 HP)	Fully Closed																								
	1/2 Turn Open																								
	1 Turn Open																			2569	1149	1.51	2307	1154	1.37
	1.5 Turns Open																2580	1122	1.46	2323	1125	1.33			
	2.0 Turns Open													2601	1094	1.36	2357	1099	1.25	2129	1104	1.16			
	2.5 Turns Open										2575	1062	1.31	2356	1066	1.18	2126	1071	1.12						
Medium Static Drive Kit	3.0 Turns Open							2562	1037	1.21	2328	1041	1.10	2048	1045	0.98									
	3.5 Turns Open				2577	1006	1.17	2361	1006	1.07	2085	1011	0.95												
	4.0 Turns Open	2618	975	1.12	2367	980	0.99	2085	983	0.93															
	4.5 Turns Open	2403	948	0.98	2073	952	0.88																		
	*5 Turns Open	2188	920	0.84	1865	924	0.70																		
NOTES:	* Denotes Factory sheave setting.										Low Static Drive Consists of: 1 Hp Motor; 1VP40 Motor Sheave; AK66 Blower Pulley & A-44 belt														
	All Performance Curve data collected at 230V										Med Static Drive Consists of: 1.5 Hp Motor; 1VP44 Motor Sheave; AK59 Blower Pulley & A-43 belt														
	Boldface type indicates factory recommended blower operating range.																								
	Values include losses for air filters, unit casing, and dry evaporator coil.																								
	See Accessory Performance Data for additional static pressure information.																								

BLOWER PERFORMANCE DATA

R6GP-072*-166C Series Downflow Configuration

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																							
		0.2			0.3			0.4			0.5			0.6			0.7			0.8			0.9		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
R6GP-072 166C (1 HP)	Fully Closed																								
	1/2 Turn Open																						2449	964	1.01
	1 Turn Open																		2525	937	1.01	2216	941	0.88	
	1.5 Turns Open															2625	909	1.01	2323	915	0.89	2004	919	0.79	
	2.0 Turns Open													2769	881	1.04	2395	887	0.86	2120	892	0.77			
	2.5 Turns Open													2544	860	0.90	2220	864	0.78	1920	868	0.68			
Factory Standard Drive Kit	3.0 Turns Open									2647	834	0.87	2318	838	0.77	2044	840	0.70							
	3.5 Turns Open							2708	804	0.87	2437	808	0.78	2107	811	0.67									
	4.0 Turns Open							2537	777	0.79	2227	782	0.68	1895	784	0.57									
	4.5 Turns Open				2613	751	0.76	2335	753	0.68	2016	756	0.59												
	*5 Turns Open	2674	722	0.74	2437	725	0.68	2132	728	0.57															

Model	Motor Sheave Position	0.9			1.0			1.1			1.2			1.3			1.4			1.50			1.60		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
R6GP-072 166C (1.5 HP)	Fully Closed																								
	1/2 Turn Open																						2502	1186	1.52
	1 Turn Open																			2443	1157	1.42	2344	1161	1.35
	1.5 Turns Open																2591	1124	1.41	2365	1128	1.39			
	2.0 Turns Open													2546	1098	1.35	2280	1102	1.25	2164	1108	1.18			
	2.5 Turns Open										2589	1066	1.32	2321	1072	1.21	2157	1078	1.10						
	3.0 Turns Open							2632	1037	1.25	2281	1041	1.12	2095	1046	1.07									
	3.5 Turns Open				2684	1009	1.22	2351	1013	1.07	2143	1019	0.98												
	4.0 Turns Open	2736	981	1.22	2443	985	1.01	2070	988	0.89															
	4.5 Turns Open	2468	953	1.04	2151	956	0.88																		
	*5 Turns Open	2200	925	0.85																					

R6GP-072*-166C Series Horizontal Configuration

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																							
		0.2			0.3			0.4			0.5			0.6			0.7			0.8			0.9		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
R6GP-072 166C (1 HP)	Fully Closed																								
	1/2 Turn Open																								
	1 Turn Open																								
	1.5 Turns Open																2668	912	1.05	2386	917	0.93	2303	942	0.95
	2.0 Turns Open													2745	884	1.02	2474	888	0.92	2200	894	0.79			
	2.5 Turns Open													2569	862	0.89	2285	865	0.80	1988	870	0.70			
Low Static Drive Kit	3.0 Turns Open									2655	837	0.89	2392	839	0.77	2095	842	0.69							
	3.5 Turns Open						2704	807	0.86	2457	811	0.78	2169	813	0.69										
	4.0 Turns Open						2529	781	0.75	2259	785	0.67	1946	786	0.60										
	4.5 Turns Open				2620	755	0.75	2366	757	0.68	2060	760	0.59												
	*5 Turns Open	2703	728	0.74	2469	731	0.66	2203	732	0.60															

Model	Motor Sheave Position	0.9			1.0			1.1			1.2			1.3			1.4			1.50			1.60		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
R6GP-072 166C (2 HP)	Fully Closed																								
	1/2 Turn Open																						2713	1187	1.66
	1 Turn Open																			2706	1159	1.54	2426	1166	1.43
	1.5 Turns Open																2696	1131	1.54	2473	1137	1.36	2232	1143	1.27
	2.0 Turns Open													2722	1103	1.44	2454	1105	1.31	2351	1107	1.23			
	2.5 Turns Open										2708	1073	1.41	2446	1077	1.26	2204	1082	1.11						
	3.0 Turns Open							2714	1042	1.31	2456	1047	1.21	2170	1051	1.08									
	3.5 Turns Open				2732	1013	1.28	2470	1017	1.14	2214	1021	1.02												
	4.0 Turns Open	2755	981	1.18	2511	987	1.09	2225	991	0.98															
	4.5 Turns Open	2510	956	1.04	2240	960	0.95																		
	*5 Turns Open	2265	930	0.90	1968	933	0.81																		

NOTES:	* Denotes Factory sheave setting.	Low Static Drive Consists of: 1 Hp Motor; 1VP40 Motor Sheave; AK66 Blower Pulley & A-44 belt																							
	All Performance Curve data collected at 230V	Med Static Drive Consists of: Horizontal 2 Hp Motor; 1VP44 Motor Sheave; AK54 Blower Pulley & A-43 belt																							
	Boldface type indicates factory recommended blower operating range.	Downflow 1/2 HP Motor; 1VP44 Motor Sheave; AK59 Blower Pulley & A43 Belt																							
	Values include losses for air filters, unit casing, and dry evaporator coil.																								
		See Accessory Performance Data for additional static pressure information.																							

BLOWER PERFORMANCE DATA

R6GP-090 Series Downflow Configuration

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																													
		0.1			0.2			0.3			0.4			0.5			0.6			0.7			0.8			0.9					
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw			
(2 HP) Low Static Drive Kit	Fully Closed																									3203	1114	1.74			
	1/2 Turn Open																								3266	1080	1.70	3025	1087	1.54	
	1 Turn Open																			3280	1052	1.62	3019	1057	1.47	2865	1059	1.34			
	1.5 Turns Open																3306	1021	1.55	3097	1026	1.49	2871	1030	1.30	2701	1032	1.26			
	2.0 Turns Open															3320	995	1.48	3161	996	1.37	2914	999	1.36	2722	1002	1.13	2537	1005	1.17	
	2.5 Turns Open													3388	965	1.46	3177	968	1.35	2997	969	1.24	2746	972	1.21	2546	975	1.05			
	3.0 Turns Open							3343	935	1.38	3203	938	1.31	3033	940	1.22	2833	942	1.11	2577	945	1.05									
	3.5 Turns Open										3056	909	1.18	2863	912	1.08	2628	914	1.00												
	4.0 Turns Open	3377	874	1.35	3239	876	1.19	3073	878	1.17	2908	880	1.06	2692	883	0.93	2422	886	0.89												
	*4.5 Turns Open	3244	845	1.21	3094	847	1.06	2926	849	1.01	2741	850	0.91	2500	854	0.81															
5.0 Turns Open	3110	815	1.06	2949	817	0.93	2779	819	0.85	2574	820	0.76																			

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																										
		0.8			0.9			1			1.1			1.2			1.3			1.40			1.50			1.60		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
(3 HP) Medium Static Drive Kit	Fully Closed																								3433	1330	2.57	
	1 Turn Open																		3348	1271	2.39	3182	1274	2.32	3026	1277	2.15	
	1.5 Turns Open															3298	1239	2.24	3147	1242	2.14	2966	1245	2.06	2804	1249	1.96	
	2.0 Turns Open									3431	1205	2.32	3294	1207	2.16	3113	1210	2.05	2946	1213	1.88	2750	1215	1.80				
	2.5 Turns Open									3244	1176	2.07	3096	1178	1.98	2917	1181	1.89	2742	1184	1.71							
	3.0 Turns Open							3240	1144	1.92	3056	1146	1.82	2898	1148	1.79	2721	1151	1.72									
	3.5 Turns Open				3259	1110	1.94	3047	1113	1.81	2862	1116	1.67	2677	1117	1.62												
	4.0 Turns Open	3198	1078	1.86	3013	1080	1.77	2853	1082	1.69	2667	1085	1.51	2456	1086	1.45												
	*4.5 Turns Open	3056	1056	1.70	2877	1058	1.62	2708	1060	1.51	2491	1063	1.38															
	5.0 Turns Open	2914	1033	1.54	2741	1036	1.47	2563	1038	1.33																		

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																											
		1.2			1.3			1.4			1.5			1.6			1.7			1.80			1.90			2.00			
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	
(3 HP) High Static Drive Kit	Fully Closed																												
	1 Turn Open																												
	1.5 Turns Open																												
	2.0 Turns Open																												
	2.5 Turns Open																												
	3.0 Turns Open																												
	3.5 Turns Open																												
	4.0 Turns Open																												
	*4.5 Turns Open																												
	5.0 Turns Onen																												

NOTES:	* Denotes Factory sheave setting.	Low Static Drive Consists of: 2 Hp Motor; 1VP40 Motor Sheave; AK59 Blower Pulley & A-43 belt
	Boldface type indicates factory recommended blower operating range.	Med Static Drive Consists of: 3 Hp Motor; 1VP44 Motor Sheave; AK 54 Blower Pulley & A-42 belt
	Values include losses for air filters, unit casing, and dry evaporator coil.	High Static Drive Consists of: 3 Hp Motor; 1VP50 Motor Sheave; AK 56 Blower Pulley & A-43 belt
	See Accessory Performance Data table for additional static pressure information.	

BLOWER PERFORMANCE DATA

R6GP-090 Series Horizontal Configuration

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																												
		0.1			0.2			0.3			0.4			0.5			0.6			0.7			0.8			0.9				
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw		
(2 HP) Low Static Drive Kit	Fully Closed																									3532	1078	1.80		
	1/2 Turn Open																								3508	1054	1.70	3341	1058	1.60
	1 Turn Open																		3541	1025	1.70	3376	1030	1.60	3193	1035	1.50			
	1.5 Turns Open																3535	995	1.60	3353	999	1.50	3162	1002	1.40	2958	1008	1.30		
	2.0 Turns Open													3552	963	1.50	3358	969	1.40	3164	972	1.30	2947	974	1.20	2723	980	1.10		
	2.5 Turns Open										3559	936	1.45	3381	939	1.35	3186	943	1.25	2976	946	1.15	2745	948	1.08					
	3.0 Turns Open										3391	910	1.30	3210	914	1.20	3013	917	1.10	2787	920	1.00	2543	922	0.97					
	3.5 Turns Open								3423	881	1.25	3228	884	1.15	3036	887	1.08	2822	889	1.00	2577	892	0.90							
	4.0 Turns Open					3422	852	1.20	3268	854	1.10	3065	857	1.00	2862	860	0.95	2630	861	0.90										
	*4.5 Turns Open	3470	819	1.13	3276	821	1.10	3103	824	1.04	2891	827	0.91	2665	831	0.84														
5.0 Turns Open	3334	788	1.00	3129	790	1.00	2937	794	0.97	2717	797	0.83																		

Model	Motor Sheave Position	0.8			0.9			1			1.1			1.2			1.3			1.40			1.50			1.60		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
(3 HP) Medium Static Drive Kit	Fully Closed																											
	1 Turn Open																											
	1.5 Turns Open																						3520	1238	2.40	3317	1242	2.25
	2.0 Turns Open																			3502	1207	2.20	3281	1212	2.10	3063	1216	2.00
	2.5 Turns Open															3435	1172	2.10	3196	1179	1.95	2969	1184	1.85	2776	1189	1.75	
	3.0 Turns Open													3423	1140	2.00	3223	1144	1.80	2889	1150	1.70	2657	1155	1.60			
	3.5 Turns Open							3549	1102	2.00	3347	1108	1.90	3149	1112	1.75	2950	1118	1.60	2668	1126	1.40						
	4.0 Turns Open				3492	1066	1.90	3339	1074	1.80	3107	1080	1.70	2875	1084	1.50												
	*4.5 Turns Open	3310	1019	1.75	3185	1028	1.65	3020	1039	1.55	2808	1046	1.45	2583	1053	1.30												
	5.0 Turns Open	2993	979	1.50	2878	990	1.40	2700	1004	1.30	2508	1012	1.20															

Model	Motor Sheave Position	1.2			1.3			1.4			1.5			1.6			1.7			1.80			1.90			2.00		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
(3 HP) High Static Drive Kit	Fully Closed																											
	1 Turn Open																											
	1.5 Turns Open																									3543	1364	2.87
	2.0 Turns Open																									3447	1350	2.65
	2.5 Turns Open																			3538	1313	2.69	3383	1319	2.55	3181	1325	2.36
	3.0 Turns Open															3458	1282	2.54	3273	1289	2.39	3123	1296	2.24	2915	1299	2.07	
	3.5 Turns Open										3545	1247	2.53	3391	1254	2.37	3215	1260	2.28	3016	1265	1.92	2840	1272	1.74			
	4.0 Turns Open							3491	1220	2.41	3316	1226	2.27	3145	1232	2.14	2971	1237	2.01	2758	1241	1.44						
	*4.5 Turns Open				3495	1190	2.30	3339	1196	2.17	3137	1202	2.07	2941	1208	1.90	2736	1214	1.74									
	5.0 Turns Open	3524	1160	2.16	3344	1167	2.08	3186	1171	1.93	2958	1178	1.86	2736	1183	1.66												

NOTES:	* Denotes Factory sheave setting.	Low Static Drive Consists of: 2 Hp Motor; 1VP40 Motor Sheave; AK59 Blower Pulley & A-43 belt													
	Boldface type indicates factory recommended blower operating range.	Med Static Drive Consists of: 3 Hp Motor; 1VP44 Motor Sheave; AK 54 Blower Pulley & A-42 belt													
	Values include losses for air filters, unit casing, and dry evaporator coil.	High Static Drive Consists of: 3 Hp Motor; 1VP50 Motor Sheave; AK 56 Blower Pulley & A-43 belt													
	See Accessory Performance Data table for additional static pressure information.														

BLOWER PERFORMANCE DATA

R6GP-120 Series Downflow Configuration

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																	
		0.1			0.2			0.3			0.4			0.5			0.6		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
(2 HP) Low Static Drive Kit	1 Turn Open																		
	1.5 Turns Open																		
	2.0 Turns Open																4522	858	2.03
	2.5 Turns Open													4552	827	1.92	4370	833	1.82
	3.0 Turns Open										4502	780	1.70	4387	799	1.70	4217	808	1.60
	3.5 Turns Open										4438	773	1.70	4282	785	1.60	4080	792	1.50
	*4.0 Turns Open							4593	761	1.70	4373	766	1.70	4176	771	1.50	3943	775	1.40
	4.5 Turns Open				4361	716	1.45	4220	726	1.40	4035	735	1.40	3850	743	1.25	3625	750	1.20
	5.0 Turns Open	4083	658	1.20	3978	678	1.20	3846	691	1.10	3697	704	1.10	3523	714	1.00	3306	724	1.00

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																	
		0.7			0.8			0.9			1.0			1.1			1.2		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
(2 HP) Low Static Drive Kit	Fully Closed																4009	942	2.17
	1/2 Turn Open										4336	922	2.20	4100	927	6.05	3851	932	1.90
	1 Turn Open				4592	901	2.20	4392	905	2.10	4154	908	2.00	3911	913	1.80	3668	917	1.70
	1.5 Turns Open	4580	881	2.15	4376	883	2.00	4167	888	1.90	3922	891	1.80	3673	896	1.65	3410	900	1.50
	2.0 Turns Open	4357	862	1.90	4159	865	1.80	3942	870	1.70	3689	874	1.60	3434	879	1.50			
	2.5 Turns Open	4188	839	1.75	3988	844	1.65	3759	848	1.55	3490	853	1.40						
	3.0 Turns Open	4019	815	1.60	3816	823	1.50	3575	826	1.40	3291	831	1.20						
	3.5 Turns Open	3863	798	1.45	3611	804	1.35	3338	807	1.25									
	*4.0 Turns Open	3707	780	1.30	3406	785	1.20												
	4.5 Turns Open	3360	756	1.14															
	5.0 Turns Open																		

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																	
		0.9			1.0			1.1			1.2			1.3			1.4		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
(3 HP) High Static Drive Kit	2.5 Turns Open																		
	3.0 Turns Open																		
	3.5 Turns Open																4611	1039	2.95
	4.0 Turns Open													4630	1018	2.90	4394	1020	2.70
	4.5 Turns Open										4673	998	2.75	4429	1000	2.65	4191	1003	2.50
	5.0 Turns Open							4672	975	2.65	4466	979	2.50	4227	982	2.4	3988	985	2.30

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																	
		1.5			1.6			1.7			1.8			1.9			2.0		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
(3 HP) High Static Drive Kit	1 Turn Open																		
	1.5 Turns Open																4252	1130	3.10
	2.0 Turns Open													4278	1111	3.10	4016	1115	2.90
	2.5 Turns Open							4480	1087	3.10	4244	1089	2.90	4011	1093	2.80	3455	1097	2.50
	3.0 Turns Open	4613	1058	3.10	4379	1061	2.90	4233	1070	2.80	3996	1072	2.60	3744	1075	2.50			
	3.5 Turns Open	4391	1041	2.85	4181	1046	2.70	3976	1053	2.55	3683	1056	2.40						
	4.0 Turns Open	4168	1023	2.60	3982	1031	2.50	3718	1036	2.30	3370	1039	2.20						
	4.5 Turns Open	3714	1006	2.38	3257	1012	2.25												
	5.0 Turns Open	3260	989	2.15															

- NOTES:**
- * Denotes Factory sheave setting.
 - Low Static Drive Consists of: 2 Hp Motor; 1VP40 Motor Sheave; BK 75 Blower Pulley & B-49 belt
 - High Static Drive Consists of: 3 Hp Motor; 1VP50 Motor Sheave; BK 75 Blower Pulley & B-51 belt
 - Boldface type indicates factory recommended blower operating range.
 - Values include losses for air filters, unit casing, and dry evaporator coil.
 - See Accessory Performance Data table for additional static pressure information.

BLOWER PERFORMANCE DATA

R6GP-120 Series Horizontal Configuration

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																	
		0.1			0.2			0.3			0.4			0.5			0.6		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
(2 HP) Low Static Drive Kit	1.5 Turns Open																		
	2.0 Turns Open																4622	855	2.16
	2.5 Turns Open													4686	833	2.09	4482	837	1.98
	3.0 Turns Open													4560	814	1.90	4342	818	1.80
	3.5 Turns Open										4582	791	1.84	4383	794	1.76	4171	798	1.64
	*4.0 Turns Open							4632	767	1.77	4422	771	1.68	4206	774	1.61	4000	777	1.48
	4.5 Turns Open				4624	739	1.69	4424	745	1.60	4201	748	1.51	3979	753	1.43	3763	755	1.32
	5.0 Turns Open	4586	709	1.59	4407	715	1.50	4215	722	1.43	3979	724	1.34	3751	731	1.25	3526	732	1.16

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																	
		0.7			0.8			0.9			1.0			1.1			1.2		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
(2 HP) Low Static Drive Kit	Fully Closed																3965	939	2.19
	1/2 Turn Open													4105	924	2.20	3869	927	2.04
	1 Turn Open				4417	881	2.20	4260	891	2.12	4072	897	2.01	3979	916	1.98	3702	921	1.82
	1.5 Turns Open	4499	866	2.18	4329	872	2.08	4144	879	1.99	3939	884	1.87	3748	898	1.78	3462	903	1.63
	2.0 Turns Open	4441	860	2.07	4241	862	1.96	4027	867	1.85	3806	870	1.73	3516	879	1.58			
	2.5 Turns Open	4287	841	1.89	4076	844	1.78	3849	848	1.68	3598	851	1.54						
	3.0 Turns Open	4132	821	1.70	3910	825	1.60	3670	828	1.50	3389	832	1.34						
	3.5 Turns Open	3947	801	1.56	3702	805	1.45	3412	808	1.34									
	*4.0 Turns Open	3761	780	1.42	3494	784	1.30												
	4.5 Turns Open	3521	759	1.25															
	5.0 Turns Open																		

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																	
		0.9			1.0			1.1			1.2			1.3			1.4		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
(3 HP) High Static Drive Kit	2.5 Turns Open																		
	3.0 Turns Open																4569	1022	2.92
	3.5 Turns Open													4535	998	2.79	4318	1001	2.66
	4.0 Turns Open										4492	973	2.61	4305	976	2.52	4066	980	2.39
	4.5 Turns Open	4432	904	2.45	4293	913	2.39	4134	923	2.30	3978	933	2.21	3814	943	2.15	3608	952	2.05
	5.0 Turns Open	3817	848	1.92	3714	861	1.88	3576	876	1.85	3464	893	1.81	3323	910	1.78			

Model	Motor Sheave Position	External Static Pressures (Inches Water Column)																	
		1.5			1.6			1.7			1.8			11.9			2.0		
		CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw	CFM	RPM	Kw
(3 HP) High Static Drive Kit	1.5 Turns Open																		
	2.0 Turns Open													4345	1116	3.20	4115	1118	3.01
	2.5 Turns Open													4127	1098	2.96	3866	1101	2.76
	3.0 Turns Open							4422	1071	3.03	4177	1075	2.89	3908	1079	2.72	3616	1083	2.51
	3.5 Turns Open				4368	1050	2.89	4120	1053	2.74	3875	1056	2.58	3296	1063	2.31			
	4.0 Turns Open	4308	1027	2.76	4084	1030	2.61	3817	1034	2.44	3573	1037	2.27						
	4.5 Turns Open	4054	1006	2.49	3797	1009	2.34	3493	1014	2.17									
	5.0 Turns Open	3799	984	2.22	3510	988	2.07												
	5.5 Turns Open	3143	964	1.86															
	6.0 Turns Open																		

NOTES:

- * Denotes Factory sheave setting.
- Low Static Drive Consists of: 2 Hp Motor; 1VP40 Motor Sheave; BK 75 Blower Pulley & B-49 belt
- High Static Drive Consists of: 3 Hp Motor; 1VP50 Motor Sheave; BK 75 Blower Pulley & B-51 belt
- Boldface type indicates factory recommended blower operating range.
- Values include losses for air filters, unit casing, and dry evaporator coil.
- See Accessory Performance Data table for additional static pressure information.

ELECTRICAL INFORMATION

Model Number	Nominal Electric Supply	Voltage Range		Compressors			Outdoor motors (2) ea.	Indoor Motor	Single Circuit	
Factory Drive Data:										
R6GP		Min	Max	RLA	LRA	Qty.	FLA	FLA	MCA	MOP
-072C-100C	208-230/60/3	187	253	19	123	1	1.5	3.2	30.0	45
-072D-100C	460/60/3	414	506	9.7	62	1	0.8	1.5	16.0	20
-072C-166C	208-230/60/3	187	253	19	123	1	1.5	3.2	30.0	45
-072D-166C	460/60/3	414	506	9.7	62	1	0.8	1.5	16.0	20
-090C-200C	208-230/60/3	187	253	13.1	83.1	2	2.3	6.2	40.3	50
-090D-200C	460/60/3	414	506	6.1	41	2	1.2	2.9	19.0	25
-120C-235C	208-230/60/3	187	253	17.8	110	2	2.3	6.2	50.9	60
-120D-235C	460/60/3	414	506	8.6	52	2	1.2	2.9	24.7	30
Medium Static Drive Data:										
-072C-100C	208-230/60/3	187	253	19	123	1	1.5	4.4	31.2	50
-072D-100C	460/60/3	414	506	9.7	62	1	0.8	2.1	15.8	25
-072C-166C	208-230/60/3	187	253	19	123	1	1.5	4.4	31.2	50
†-072D-166C	460/60/3	414	506	9.7	62	1	0.8	2.1	15.8	25
‡-072C-166C	208-230/60/3	187	253	19	123	1	1.5	5.8	32.6	50
‡-072D-166C	460/60/3	414	506	9.7	62	1	0.8	2.8	16.5	25
-090C-200C	208-230/60/3	187	253	13.1	83.1	2	2.3	9.1	43.2	50
-090D-200C	460/60/3	414	506	6.1	41	2	1.2	4.4	20.5	25
-120C-235C	Not Applicable									
-120D-235C										
High Static Drive Data:										
-072C-100C	Not Applicable									
-072D-100C										
-072C-166C										
-072D-166C										
-090C-200C	208-230/60/3	187	253	13.1	83.1	2	2.3	9.1	43.2	50
-090D-200C	460/60/3	414	506	6.1	41	2	1.2	4.4	20.5	25
-120C-235C	208-230/60/3	187	253	17.8	110	2	2.3	9.1	53.8	60
-120D-235C	460/60/3	414	506	8.6	52	2	1.2	4.4	26.2	30

Notes:

FLA = Full Load Amps
RLA = Rated Load Amps
LRA = Locked Rotor Amps

† Down-Flow Configuration with 1.5 Hp Indoor Motor
‡ Horizontal-Flow Configuration with 2 Hp Indoor Motor
MCA = Minimum Circuit Ampacity
MOP = Maximum Over-Current Protection

ELECTRICAL DATA FOR POWER EXHAUST ACCESSORY KITS

Model	Part # †	Volts	HP	CFM	FLA	Fuse	MCA	MOP
R6GP-072 & 090	547867	230	1/2	2350	3.00	6A	3.75	6.75
R6GP-072 & 090	547868	460	1/2	2350	1.50	3A	1.88	3.38
R6GP-120	547876	230	3/4	4900	4.00	9A	5.00	9.00
R6GP-120	547877	460	3/4	4900	2.00	4A	2.50	4.50

† See Accessory List, pg 18

TEMPERATURE RISE/AIRFLOW

Unit Model	Gas Type	Heating Input	Heating Output	Heating Rise Range	CFM Range						
					SCFM	1950	2100	2250	2400	2550	2700
R6GP-072*-100C	Natural Gas	100,000	80,000	15 - 45	Rise (°F)*	38	35	33	31	29	27
	Propane (LP)	85,000	68,000			32	30	28	26	25	23
					SCFM	1950	2100	2250	2400	2550	2700
R6GP-072*-166C	Natural Gas	166,000	133,000	35 - 65	Rise (°F)*	63	59	55	51	48	46
	Propane (LP)	141,000	112,800			54	50	46	44	41	39
					SCFM	2425	2625	2800	3000	3188	3375
R6GP-090*-200C	Natural Gas	200,000	157,000	30 - 60	Rise (°F)*	60	55	52	48	46	43
	Propane (LP)	175,000	137,000			52	48	45	42	40	38
					SCFM	3250	3500	3750	4000	4250	4500
R6GP-120*-235C	Natural Gas	235,000	188,000	25 - 55	Rise (°F)*	54	50	46	44	41	39
	Propane (LP)	205,000	164,000			47	43	40	38	36	34

* At Elevations of 2000 Ft or less

ORIFICE OR DRILL SIZE FOR NATURAL AND PROPANE (LP) GASES.

Unit Model Number	Type Gas Fuel	Heating Input (Btuh)*	Number of Burners	Orifice Size for Increased Elevation (Above Sea Level)				
				0 - 2,000 Ft	2,001 - 4,000 Ft	4,001 -6,000 Ft	6,001 - 8,000 Ft	8,001 - 10,000 Ft
R6GP-072*-100C	Nat.	100,000	3	36	38	40	41	43
	L.P.	85,000		53	54	54	55	55
R6GP-072*-166C	Nat.	166,000	5	36	38	40	41	43
	L.P.	141,000		53	54	54	55	55
R6GP-090*-200C	Nat.	200,000	6	36	38	40	41	43
	L.P.	175,000		51	52	52	52	53
R6GP-120*-235C	Nat.	235,000	7	36	38	40	41	43
	L.P.	205,000		51	52	52	52	53

* Refer to Instructions for High Altitude Deration to determine heat-exchanger capacity at increased elevations.

ACCESSORIES - 6, 7 1/2 AND 10 TON R6GP

NORDYNE Part #	Description	072	090	120
559914	Horizontal Supply & Return Kit	X	X	
547881	Horizontal Supply & Return Kit			X
547860	Hinged Roof Curb 8" High - K/D	X	X	X
547861	Hinged Roof Curb 14" High - K/D	X	X	X
547862	Hinged Roof Curb 18" High - K/D	X	X	X
547863	Hinged Roof Curb 24" High - K/D	X	X	X
559411	Hooded Hail Guard	n/a	X	X
558857	Hooded Hail Guard			X
547864	0-35% Manual Outside Air Damper	X	X	
547874	0-35% Manual Outside Air Damper			X
547865	0-35% Motorized Damper - Only (Requires 547864 OR 547874 Panel Kit)	X	X	X
559375	Economizer - Modulating w/ Relief, Adapts Horizontal	X	X	
559374	Economizer - Modulating w/ Relief, Adapts Horizontal			X
920233	Sensor, Enthalpy, C7400A (For Economizer Differential Enthalpy Control)	X	X	X
547848	CO2 Sensor for economizer control - 4-9v dc	X	X	X
547867	Power Exhaust - Prop (208/230V - 3Ø), Adapts Horizontal See Note	X	X	
547868	Power Exhaust - Prop (460V - 3Ø), Adapts Horizontal See Note	X	X	
547876	Power Exhaust - Prop (208/230V - 3Ø), Adapts Horizontal See Note			X
547877	Power Exhaust - Prop (460V - 3Ø), Adapts Horizontal See Note			X
547869	20" Supply & Return Transition Round	X	X	
547870	20" Flush Mount Concentric Diffuser Round	X	X	
547871	20" Step Down Concentric Diffuser Round	X	X	
547878	18" x 28" Supply & Return Transition			X
547879	18" x 28" Flush Mount Concentric Diffuser			X
547880	18" x 28" Step Down Concentric Diffuser			X
558863	Duct Smoke Detector Photo Elect.	X	X	X
547893	Duct Smoke Detector, Remote Multi-signal control SSK 451	X	X	X
558864	Smoke Detector Sampling Tube DST3, 2-4 ft.	X	X	X
558865	Smoke Detector Sampling Tube DST5, 4-8 ft.	X	X	X
920463	Low Ambient Kit	X	X	X
920612	Natural Gas - High Altitude Application Kit	X	X	X
920610	LP Gas - Conversion & High Altitude Application Kit	X	X	X
920465	Bottom Power Entry Kit	X	X	
917165	Bottom Power Entry Kit			X
920619	Thermostat-3 Stage Heat/2 Stage Cool (requires "O" & "B" terminals)	X	X	X
920609	Medium Static Drive Kit, 6T - 100C HX (208/230/460V - 3Ø)	X		
920609	Medium Static Drive Kit, 6T - 166C HX, Down flow (208/230/460V - 3Ø)	X		
920618	Medium Static Drive Kit, 6T - 166C HX, Horizontal Flow (208/230/460V - 3Ø)	X		
920607	Medium Static Drive Kit, 7.5T (208/230V - 3Ø)		X	
920606	Medium Static Drive Kit, 7.5T (460V - 3Ø)		X	
920559	High Static Drive Kit, 7.5T (208/230V - 3Ø)		X	
920558	High Static Drive Kit, 7.5T (460V - 3Ø)		X	
920395	High Static Drive Kit, 10T (208/230V - 3Ø)			X
920396	High Static Drive Kit, 10T (460V - 3Ø)			X
920937	Flue Exhaust Extension Kit	X	X	X

Note:

Requires separate branch circuit, see table Electrical Data For Power Exhaust Accessory Kits, pg 16



NORDYNE
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