TECHNICAL
SPECIFICATIONS

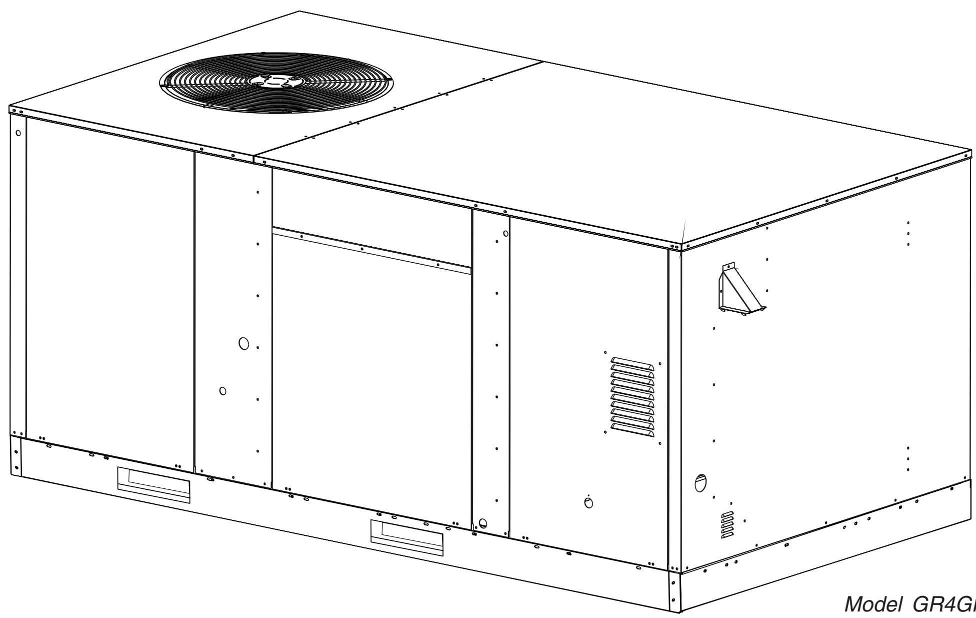
Mammoth

GR4GN Series

Single Packaged Gas/Electric Units

GR4GN 10.1 EER Commercial System
7½ and 10 Ton Units

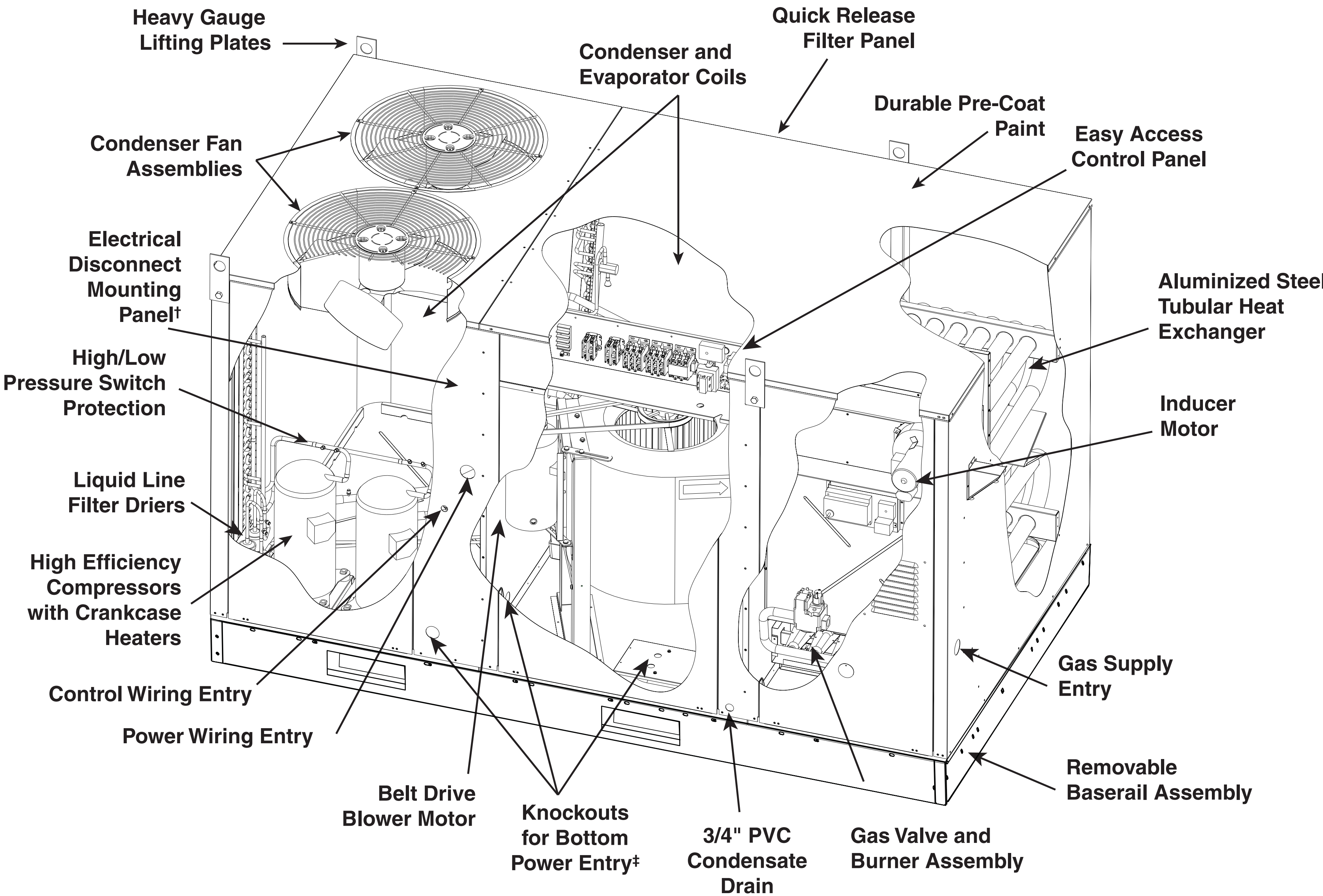
The GR4GN is designed specifically for retrofit applications and compatibility with most standard footprints. The GR4GN takes less time to install and retrofit, making the contractor's job more profitable. The GR4GN offers flexibility in the replacement market by utilizing a database of major manufacturer's unit footprints and offers roof curb transitions to meet virtually any configuration.



Model GR4GN-090C200C Shown

FEATURES AND BENEFITS

- **Lifting Lugs**
  Eliminates need for spacer bar and complicated rigging — helps protect the unit during installation.
- **Convertible Air Delivery**
  Fits most standard applications and easily converts to horizontal airflow with kit.
- **Compatibility**
  Fits most standard rooftop applications — can be easily adapted for exceptions.
  Footprint database available for cross-reference.
- **Mesh Hail Guard**
  Will never rust and protects the coil from hail.
- **Fully Insulated Bottom Pan**
  Helps ensure quiet operation and prevents condensation.
- **Quick-Release Filter Access Panels** Requires no special servicing tools.
- **20-Gauge Precoated Paint**
  Promotes corrosion resistance and long life.
- **Two-Stage Heating and Cooling**
  Offers heat ranges from 120,000 to 235,000 Btu/h.
  Offers cooling ranges from 45,000/90,000 to 57,000/115,000 Btu/h.
  Dual refrigeration circuits.
- **For Easy Service**
  Hi/low service ports allow quick access without disrupting operation.
  Hi/low pressure switches ensure long compressor life.
  Proven, industry standard components for service and availability.
- **Commercial Warranty**
  1 year limited parts
  5 year compressor
  10 year limited heat exchanger.
- **Removable Baserail System**
  Designed for one piece removal. Baserail must be removed for curb applications.

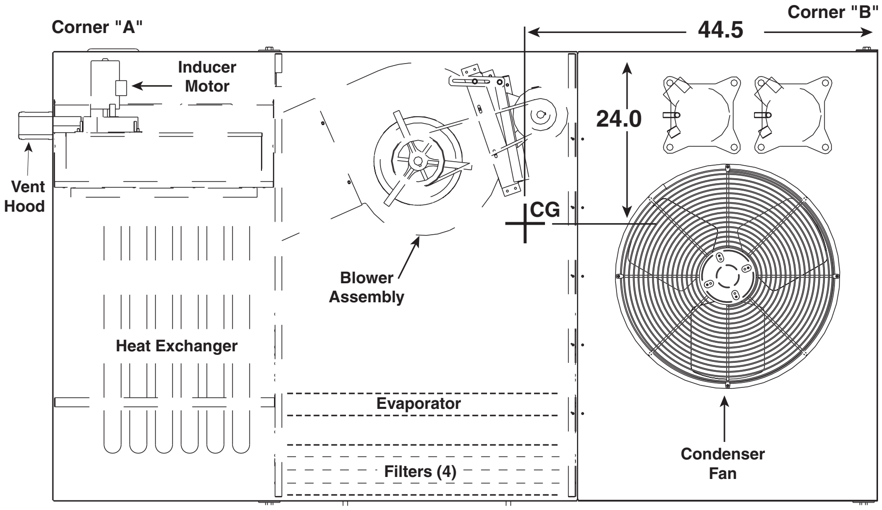


†Field Supplied
‡Field Installed Kit Required

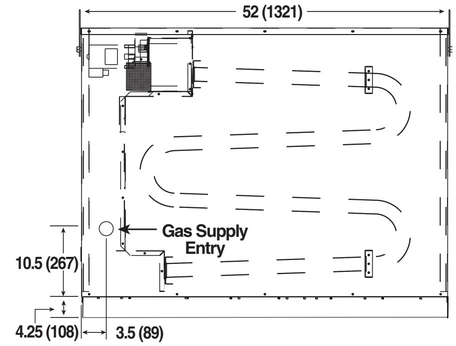
Model GR4GN-120C235C Shown

GR4GN-090 SERIES – PHYSICAL DATA

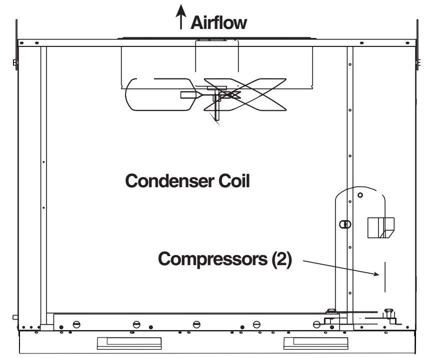
Dimensions shown in inches (mm)



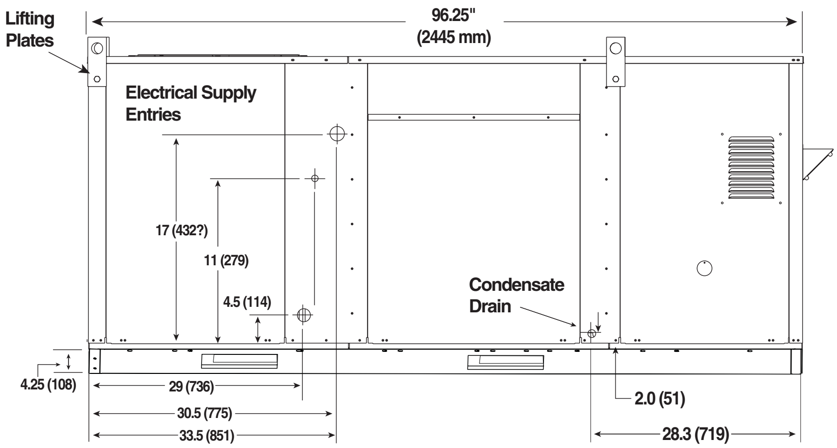
TOP VIEW



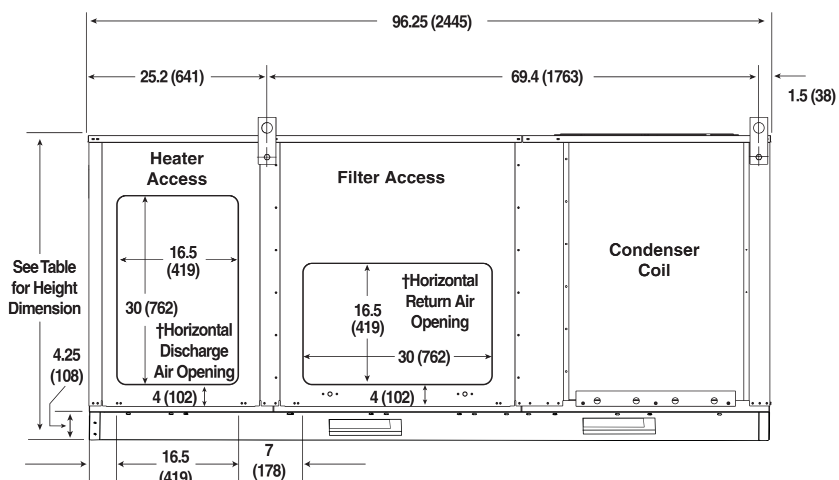
HEAT EXCHANGER END



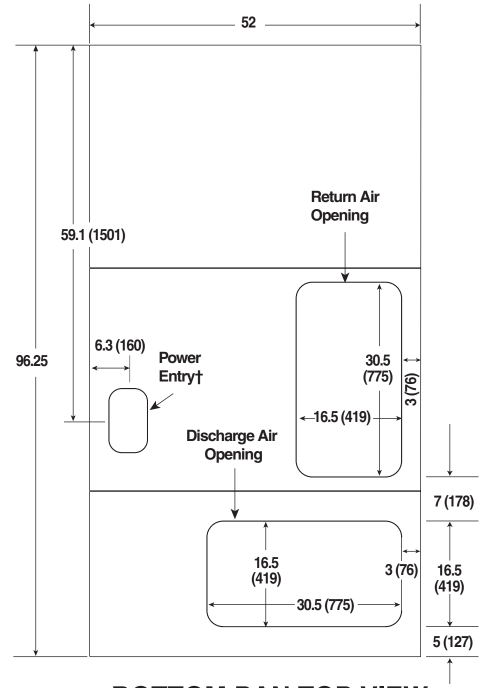
CONDENSER END



FRONT VIEW



REAR VIEW



BOTTOM PAN TOP VIEW

Model No.	Unit Weight‡		Shipping Weight		Center of Gravity Inches (mm)		Corner Weights								Unit Height	
							A		B		C		D		without Baserails	with Baserails
	Lbs.	Kg.	Lbs.	Kg	A	B	Lbs.	Kg	Lbs.	Kg	Lbs.	Kg	Lbs.	Kg		
GR4GN-090C200C	943	427	1150	521	44.5 (1130)	24 (610)	236	107	292	133	188	85.5	226	103	39 (991)	43.25 (1098)
GR4GN-090D200C	943	427	1150	521	44.5 (1130)	24 (610)	236	107	292	133	188	85.5	226	103	39 (991)	43.25 (1098)
GR4GN-090N200C	943	427	1150	521	44.5 (1130)	24 (610)	236	107	292	133	188	85.5	226	103	39 (991)	43.25 (1098)

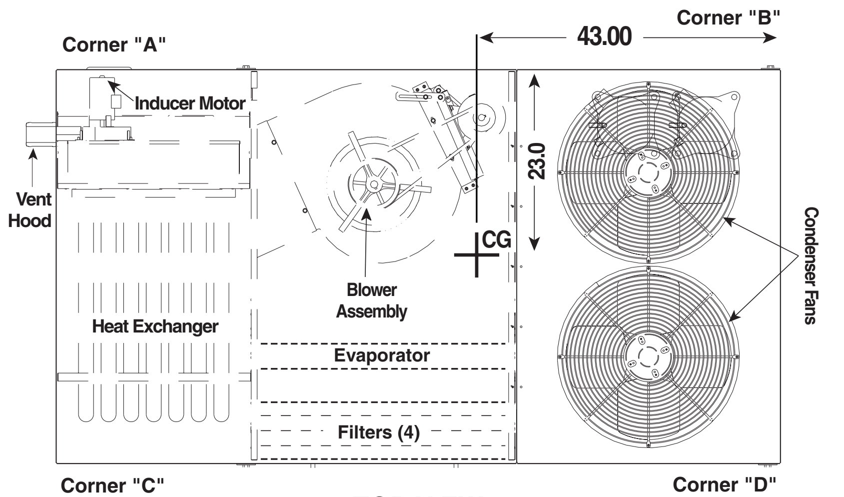
‡ Unit weight without packaging or field installed accessories.

† Field installed kit

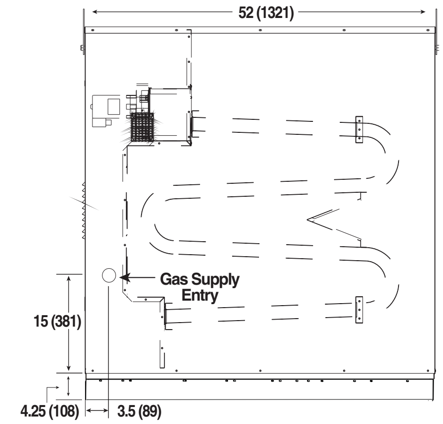
†† Unit weight with Baserails, without packaging or field installed accessories.

GR4GN-120 SERIES – PHYSICAL DATA

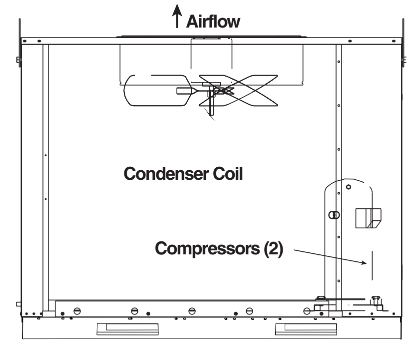
Dimensions shown in inches (mm)



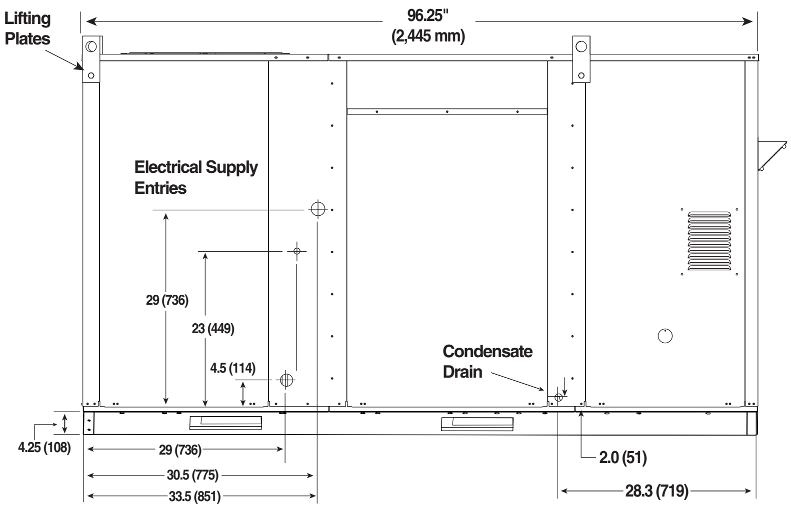
TOP VIEW



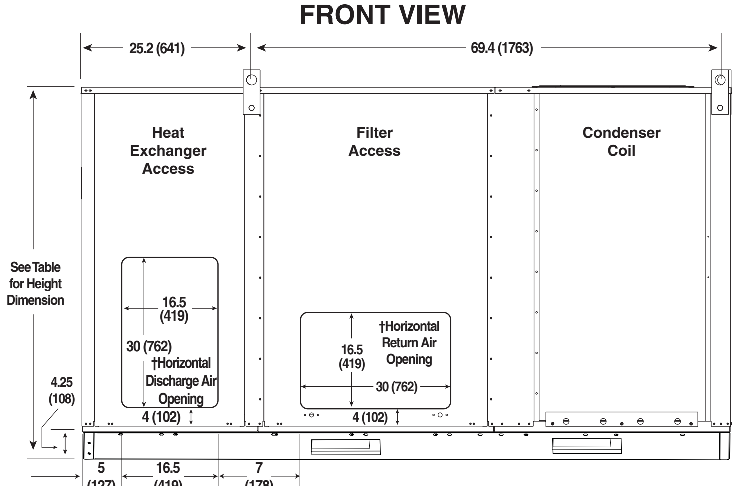
HEAT EXCHANGER END



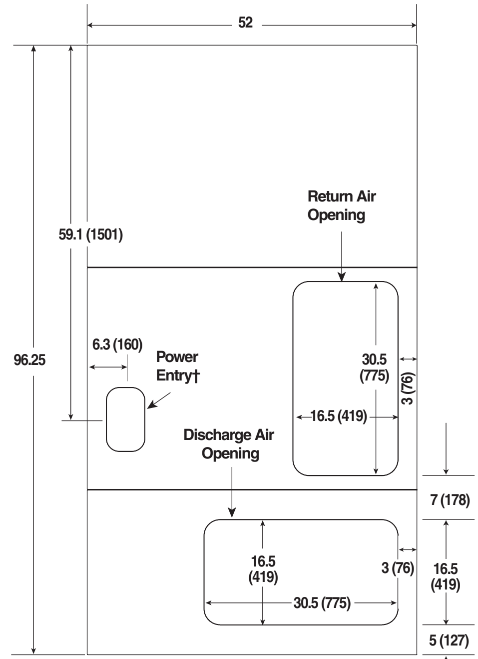
CONDENSER END



FRONT VIEW



REAR VIEW



BOTTOM PAN TOP VIEW

Model No.	Unit Weight‡		Shipping Weight		Center of Gravity Inches (mm)		Corner Weights								Unit Height	
							A		B		C		D		without Baserails	with Baserails
	Lbs.	Kg.	Lbs.	Kg	A	B	Lbs.	Kg	Lbs.	Kg	Lbs.	Kg	Lbs.	Kg		
GR4GN-120C235C	1272	578	1482	673	43 (1092)	23 (584)	318	144	394	181	254	115	305	138	51 (1295)	55.25 (1403)
GR4GN-120D235C	1272	578	1482	673	43 (1092)	23 (584)	318	144	394	181	254	115	305	138	51 (1295)	55.25 (1403)
GR4GN-120N235C	1272	578	1482	673	43 (1092)	23 (584)	318	144	394	181	254	115	305	138	51 (1295)	55.25 (1403)

‡ Unit weight without packaging or field installed accessories.

† Field installed kit

†† Unit weight with Baserails, without packaging or field installed accessories.

SPECIFICATIONS AND ELECTRICAL DATA

Model GR4GN-	090C200C	090D200C	090N200C	120C235C	120D235C	120N235C
Performance						
Heating Input BTUH (High)-Nat.	200,000	200,000	200,000	235,000	235,000	235,000
Heating Output BTUH (High)-Nat.	156,000	156,000	156,000	185,000	185,000	185,000
Heating Input BTUH (Low)-Nat.	120,000	120,000	120,000	150,000	150,000	150,000
Heating Output BTUH (Low)-Nat.	95,000	95,000	95,000	120,000	120,000	120,000
Heating Input BTUH (High)-L.P.	175,000	175,000	175,000	205,000	205,000	205,000
Heating Output BTUH (High)-L.P.	136,000	136,000	136,000	160,000	160,000	160,000
Heating Input BTUH (Low)-L.P.	105,000	105,000	105,000	125,000	125,000	125,000
Heating Output BTUH (Low)-L.P.	82,000	82,000	82,000	98,000	98,000	98,000
Capacity-Cooling BTUH (High)	90,000	90,000	90,000	115,000	115,000	115,000
Capacity-Cooling BTUH (Low)	45,000	45,000	45,000	58,000	58,000	58,000
Heating-Steady State Efficiency	78.5%	78.5%	78.5%	80.0%	80.0%	80.0%
Cooling-Efficiency (ASHRAE 90.1)	10.1 EER (MIN)			10.1 EER (MIN)		
Electrical Rating - 60 Hz.						
Phase	3	3	3	3	3	3
Operating Voltage	187-253	414-506	517-632	187-253	414-506	517-632
Maximum Rated Ampacity	40	18.9	16	52.5	26.1	21
Minimum Circuit Ampacity (MCA)	43.5	20.5	17.3	56.6	28.2	22.7
Max. Overcurrent Protection (MOP)	60	30	25	70	35	30
Compressor Data	**2 ea.**	**2 ea.**	**2 ea.**	**2 ea.**	**2 ea.**	**2 ea.**
Volts	208/230	460	575	208/230	460	575
Rated Load Amps	13.9	6.4	5.4	16.4	8.2	6.6
Lock Rotor Amps	88	44	34	124	60	49
Indoor Blower - Belt Drive						
Wheel Diameter	12 x 12	12 x 12	12 x 12	15 x 15	15 x 15	15 x 15
Motor-HP/RPM	2 / 1725	2 / 1725	2 / 1725	3 / 1725	3 / 1725	3 / 1725
Motor Amps	6.3	3.1	2.4	9.1	4.4	3.4
Airflow Range (CFM)	2800 - 3800			3500 - 4400		
Outdoor Fan(s)	**1 ea.**	**1 ea.**	**1 ea.**	**2 ea.**	**2 ea.**	**2 ea.**
Motor-HP/RPM	3/4-1060	3/4-1060	3/4-1060	1/2 - 1075	1/2 - 1075	1/2 - 1075
Motor Amps	3.7	1.9	1.7	2.8	1.4	1.2
Fan Diameter/CFM	24" / 5200	24" / 5200	24" / 5200	22" / 8600	22" / 8600	22" / 8600
Refrigerant Charge - oz.						
Stage 1 Circuit	108	108	108	156	156	156
Stage 2 Circuit	108	108	108	156	156	156
High Pressure Switch (PSIG)	425 ± 10 Manual Reset			425 ± 10 Manual Reset		
Loss of Charge Switch (PSIG)	Cut Out: 5 ± 5			Cut Out: 5 ± 5		
	Cut In: 20 ± 5			Cut In: 20 ± 5		
Freeze Protection Thermostat	Opens (°F): 28 ± 5			Opens (°F): 28 ± 5		
	Closes (°F): 57 ± 6			Closes (°F): 57 ± 6		
Filters						
Style	Disposable - 2" Pleated			Disposable - 2" Pleated		
Size (Qty.)	16" x 20" x 2" (4)			16" x 25" x 2" (4)		
Gas Supply Size	3/4"			3/4"		

GR4GN-090(*) COOLING (With One Compressor Operating)

O.D.T			65°F			75°F			85°F			95°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.
	75	62	46.3	41.7	4.41	44.8	40.3	4.68	43.1	38.8	4.98	41.3	37.2	5.34
	75	67	49.0	32.3	4.45	47.2	31.7	4.71	45.2	31.0	5.02	43.0	30.3	5.37
	75	72	52.7	19.2	4.50	50.7	18.7	4.76	48.5	18.1	5.07	46.2	17.5	5.43
	80	62	49.5	44.6	4.44	47.9	44.3	4.71	46.2	45.0	5.02	44.3	43.9	5.38
3000	80	67	50.1	43.7	4.45	48.1	43.1	4.71	46.3	41.6	5.02	44.4	40.0	5.38
	80	72	53.4	31.8	4.50	51.4	31.2	4.76	49.3	30.6	5.07	47.0	29.9	5.43
	85	62	52.8	48.1	4.48	51.2	47.7	4.75	49.3	46.8	5.06	47.3	45.5	5.42
	85	67	52.9	47.6	4.48	51.2	46.1	4.75	49.4	44.4	5.06	47.4	42.6	5.43
	85	72	54.0	43.8	4.49	52.1	43.1	4.76	50.0	42.2	5.07	47.7	41.2	5.43
	75	62	47.4	42.6	4.42	45.8	41.2	4.69	44.1	39.6	5.00	42.1	37.9	5.35
	75	67	49.5	34.5	4.45	47.7	33.8	4.72	45.7	33.1	5.02	43.5	32.3	5.38
	75	72	53.1	20.0	4.51	51.1	19.5	4.77	48.9	18.9	5.08	46.5	18.3	5.43
	80	62	50.7	45.6	4.46	49.0	46.6	4.73	47.2	46.0	5.04	45.2	45.2	5.40
3375	80	67	50.8	45.7	4.46	49.2	44.2	4.73	47.3	42.6	5.04	45.4	40.8	5.40
	80	72	53.9	34.0	4.51	51.9	33.4	4.77	49.8	32.7	5.08	47.4	32.0	5.44
	85	62	54.1	50.7	4.50	52.4	49.9	4.77	50.5	48.7	5.08	48.4	47.1	5.44
	85	67	54.2	48.7	4.50	52.5	47.2	4.77	50.5	45.5	5.08	48.4	43.6	5.44
	85	72	54.8	46.6	4.51	52.9	45.6	4.77	50.8	44.3	5.08	48.3	43.5	5.44
	75	62	48.2	43.4	4.44	46.6	42.0	4.70	44.8	40.3	5.01	42.8	38.5	5.37
	75	67	50.0	36.5	4.46	48.1	35.8	4.72	46.1	35.1	5.03	43.8	34.2	5.38
	75	72	53.4	20.9	4.51	51.4	20.3	4.78	49.2	19.7	5.08	46.8	19.0	5.44
	80	62	51.7	47.8	4.47	50.0	47.5	4.74	48.1	48.1	5.05	46.0	46.0	5.41
3750	80	67	51.8	46.6	4.47	50.1	45.1	4.74	48.2	43.4	5.05	46.1	41.5	5.41
	80	72	54.4	36.1	4.51	52.4	35.5	4.78	50.1	34.8	5.08	47.8	34.0	5.44
	85	62	55.2	53.4	4.51	53.4	52.2	4.78	51.4	50.5	5.09	49.3	48.7	5.46
	85	67	55.2	49.7	4.51	53.5	48.1	4.78	51.5	46.3	5.10	49.3	44.4	5.46
	85	72	55.0	49.3	4.51	53.4	48.0	4.78	51.4	46.2	5.09	49.2	44.3	5.46

GR4GN-090(*) COOLING (With Two Compressors Operating)

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.
	75	62	84.6	62.2	7.91	81.3	60.9	8.62	77.6	59.4	9.42	72.9	57.6	10.41
	75	67	91.5	47.1	8.02	87.7	45.9	8.72	83.7	44.5	9.55	78.4	42.8	10.52
	75	72	101.1	31.5	8.18	97.0	30.4	8.89	92.5	29.3	9.73	86.4	27.7	10.72
	80	62	86.2	75.4	7.92	82.9	75.6	8.63	79.4	77.4	9.45	75.2	74.5	10.42
3000	80	67	92.2	61.2	8.01	88.6	59.9	8.72	84.6	58.5	9.56	79.3	56.7	10.53
	80	72	99.4	46.2	8.14	95.4	45.0	8.85	91.0	43.7	9.69	85.2	41.7	10.68
	85	62	90.4	82.3	7.97	87.4	81.5	8.69	84.1	79.9	9.53	79.7	76.7	10.53
	85	67	93.3	74.9	8.02	89.7	73.6	8.73	85.7	72.0	9.57	80.6	69.9	10.55
	85	72	100.2	59.9	8.14	96.3	58.7	8.85	91.9	57.4	9.69	86.0	55.6	10.69
	75	62	86.3	66.5	7.94	82.8	65.1	8.64	79.1	63.6	9.46	74.3	61.6	10.45
	75	67	92.9	49.7	8.04	89.1	48.5	8.75	85.0	47.1	9.58	79.5	45.3	10.55
	75	72	102.5	32.6	8.20	98.2	31.5	8.91	93.6	30.4	9.75	87.1	28.8	10.74
	80	62	88.4	79.6	7.96	85.3	81.1	8.67	82.0	79.9	9.50	77.6	77.6	10.49
3375	80	67	93.9	65.5	8.04	90.1	64.2	8.75	86.0	62.8	9.58	80.6	60.9	10.56
	80	72	101.1	48.5	8.16	96.9	47.3	8.88	92.5	46.0	9.72	86.4	44.2	10.71
	85	62	93.7	87.8	8.03	90.5	86.2	8.75	87.0	83.9	9.59	82.3	80.1	10.58
	85	67	95.4	80.5	8.06	91.7	79.0	8.77	87.7	77.0	9.61	82.4	74.2	10.58
	85	72	101.9	64.2	8.17	97.8	63.0	8.88	93.4	61.7	9.72	87.3	59.8	10.72
	75	62	87.7	70.6	7.96	84.2	69.1	8.66	80.4	67.5	9.48	75.5	65.2	10.44
	75	67	94.2	52.4	8.06	90.3	51.1	8.77	86.0	49.7	9.60	80.5	47.9	10.57
	75	72	103.4	33.7	8.22	99.0	32.6	8.93	94.2	31.4	9.77	87.6	29.8	10.75
	80	62	90.9	84.1	7.99	87.7	83.3	8.71	84.2	84.2	9.55	79.5	79.5	10.54
3750	80	67	95.3	69.7	8.07	91.5	68.4	8.78	87.3	66.9	9.61	81.7	64.9	10.58
	80	72	102.3	51.0	8.19	98.1	49.8	8.90	93.5	48.5	9.74	87.3	46.7	10.73
	85	62	96.4	93.4	8.07	93.1	90.9	8.79	89.4	87.8	9.64	84.5	83.3	10.65
	85	67	97.4	85.3	8.09	93.8	83.1	8.81	89.6	80.6	9.64	84.6	76.1	10.65
	85	72	103.3	68.5	8.19	99.1	67.2	8.91	94.5	65.8	9.75	88.4	63.9	10.75

T.C.- Total net cooling capacity (mbtuh). S.C.- Sensible cooling capacity (mbtuh).

GR4GN-0120(*) COOLING (With One Compressor Operating)

O.D.T			65°F			75°F			85°F			95°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.
3750	75	62	58.4	43.2	5.38	56.5	42.6	5.67	54.4	41.3	6.01	52.1	40.1	6.41
	75	67	61.2	34.2	5.40	59.1	33.8	5.69	56.6	33.4	6.03	53.9	32.8	6.42
	75	72	67.1	27.8	5.45	64.7	27.1	5.73	62.0	26.4	6.06	59.0	25.5	6.45
	80	62	62.7	52.6	5.39	60.8	51.5	5.69	58.5	50.1	6.02	56.1	48.8	6.42
	80	67	62.8	42.7	5.39	60.8	42.5	5.69	58.6	42.3	6.02	56.2	41.3	6.42
	80	72	66.9	34.2	5.44	64.8	33.8	5.72	62.1	33.4	6.05	59.1	32.9	6.44
	85	62	67.0	63.7	5.42	65.1	62.7	5.70	62.8	61.0	6.04	60.2	58.9	6.43
	85	67	67.1	51.7	5.42	65.2	51.0	5.70	62.9	49.8	6.04	60.3	48.4	6.43
	85	72	68.1	41.7	5.42	66.0	41.0	5.72	63.4	39.8	6.04	60.3	38.6	6.43
4250	75	62	59.9	47.4	5.39	57.9	46.5	5.68	55.8	45.4	6.02	53.4	44.2	6.42
	75	67	62.1	37.5	5.41	59.8	37.0	5.69	57.3	36.5	6.03	54.5	35.9	6.42
	75	72	67.5	32.5	5.45	65.3	28.5	5.73	62.5	27.8	6.07	59.4	26.9	6.45
	80	62	64.4	58.2	5.41	62.4	56.7	5.70	60.0	55.3	6.04	57.5	53.4	6.43
	80	67	64.4	47.9	5.41	62.4	47.4	5.70	60.1	46.7	6.04	57.5	46.9	6.43
	80	72	67.8	37.5	5.43	65.5	37.1	5.72	62.8	36.6	6.05	59.8	36.1	6.44
	85	62	68.7	66.8	5.42	66.9	65.4	5.73	64.5	63.6	6.05	61.8	61.1	6.44
	85	67	68.8	57.7	5.42	67.0	56.7	5.73	64.5	55.2	6.05	61.9	53.3	6.44
	85	72	69.1	45.5	5.43	67.1	45.0	5.73	64.6	43.1	6.05	61.9	41.9	6.44
4750	75	62	61.1	51.0	5.40	59.2	50.3	5.69	56.9	48.9	6.03	54.4	48.3	6.42
	75	67	62.7	40.5	5.41	60.5	40.1	5.70	57.9	39.5	6.03	55.1	38.8	6.43
	75	72	67.9	30.5	5.45	65.5	29.9	5.74	62.6	29.1	6.07	59.6	28.2	6.45
	80	62	65.7	62.9	5.42	63.7	61.7	5.71	61.4	59.7	6.04	58.7	57.7	6.43
	80	67	65.8	52.3	5.42	63.8	52.3	5.71	61.4	51.9	6.04	58.8	51.2	6.43
	80	72	68.3	40.7	5.44	66.1	40.3	5.74	63.3	39.8	6.06	60.3	39.2	6.45
	85	62	70.1	69.3	5.44	68.4	68.1	5.73	65.9	65.6	6.06	63.2	63.0	6.45
	85	67	70.2	64.0	5.44	68.5	63.2	5.74	66.0	61.2	6.06	63.3	59.3	6.45
	85	72	70.2	49.9	5.44	68.6	49.3	5.74	66.0	48.5	6.06	63.3	46.9	6.45

GR4GN-0120(*) COOLING (With Two Compressors Operating)

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.
3750	75	62	108.6	84.0	10.15	103.7	82.0	11.07	98.4	80.0	12.14	92.8	77.7	13.39
	75	67	117.7	64.2	10.28	112.4	62.4	11.20	106.7	60.4	12.28	100.6	58.4	13.53
	75	72	129.3	43.8	10.46	123.4	42.1	11.38	117.2	40.3	12.45	110.7	38.5	13.71
	80	62	110.4	102.3	10.16	106.0	100.4	11.09	101.4	99.7	12.17	96.6	95.6	13.42
	80	67	118.6	82.8	10.28	113.2	80.9	11.20	107.5	78.9	12.27	101.5	76.8	13.52
	80	72	128.7	62.8	10.43	122.7	61.1	11.35	116.4	59.2	12.43	109.9	57.3	13.69
	85	62	116.7	108.5	10.24	112.3	106.4	11.17	107.6	103.4	12.26	102.6	99.6	13.52
	85	67	119.6	101.2	10.28	114.3	99.3	11.20	108.7	97.2	12.28	103.0	95.0	13.52
	85	72	129.2	81.3	10.42	123.3	79.5	11.35	117.2	77.6	12.43	110.8	75.7	13.69
4250	75	62	111.1	90.7	10.19	106.0	88.7	11.10	100.6	86.6	12.18	94.8	84.3	13.43
	75	67	119.8	68.2	10.31	114.3	66.4	11.23	108.5	64.4	12.31	102.3	62.3	13.55
	75	72	131.3	45.3	10.48	125.3	43.6	11.41	118.9	41.9	12.48	112.2	40.0	13.74
	80	62	114.7	106.6	10.22	110.2	106.3	11.15	105.3	103.5	12.24	100.2	100.2	13.51
	80	67	120.9	89.3	10.31	115.4	87.4	11.23	109.6	85.4	12.31	103.4	83.3	13.55
	80	72	130.5	66.8	10.46	124.5	65.0	11.39	118.2	63.1	12.46	111.6	61.2	13.72
	85	62	121.5	115.6	10.31	116.9	112.6	11.24	111.9	108.8	12.33	106.6	104.4	13.61
	85	67	122.6	110.3	10.32	117.3	108.1	11.25	112.1	104.2	12.34	106.8	99.3	13.61
	85	72	131.5	87.8	10.45	125.5	86.0	11.39	119.3	84.1	12.46	112.6	82.0	13.72
4750	75	62	113.1	97.3	10.21	107.9	95.3	11.14	102.5	93.1	12.21	96.7	89.9	13.44
	75	67	121.6	72.2	10.34	115.9	70.3	11.26	109.9	68.3	12.33	103.6	66.3	13.56
	75	72	132.7	46.9	10.51	126.6	45.2	11.43	120.1	43.4	12.51	113.2	41.4	13.77
	80	62	118.4	112.2	10.28	113.7	109.7	11.21	108.6	108.6	12.29	103.3	103.3	13.54
	80	67	122.9	95.9	10.34	117.3	93.9	11.26	111.3	91.9	12.34	105.1	89.7	13.59
	80	72	132.2	70.7	10.48	126.2	68.9	11.41	119.7	67.0	12.49	113.0	65.1	13.75
	85	62	125.6	122.6	10.37	120.7	118.5	11.31	115.5	113.9	12.40	109.9	108.8	13.67
	85	67	125.9	117.1	10.37	121.0	112.5	11.31	115.7	107.6	12.40	110.1	102.4	13.67
	85	72	133.4	94.2	10.49	127.4	92.4	11.42	121.0	90.5	12.49	114.1	88.4	13.76

T.C.- Total net cooling capacity (mbtuh). S.C.- Sensible cooling capacity (mbtuh).

GR4GN-090*-200C Series Fan Performance

Vertical Discharge

Air Volume (CFM)	External Static Pressure (Inches Water Column)							
	0.2	0.4	0.5	0.6	0.7	0.8	0.9	1.0
	BHP RPM (KW)	BHP RPM (KW)	BHP RPM (KW)	BHP RPM (KW)	BHP RPM (KW)	BHP RPM (KW)	BHP RPM (KW)	BHP RPM (KW)
2600			**1.00** **788** **0.91**	**1.04** **812** **0.95**	**1.10** **842** **1.00**	**1.19** **895** **1.08**	*1.29* *944* *1.17*	*1.38* *988* *1.26*
2800		**1.03** **756** **0.94**	**1.12** **816** **1.02**	**1.17** **845** **1.06**	**1.21** **875** **1.10**	**1.30** **912** **1.18**	*1.40* *950* *1.27*	*1.47* *991* *1.34*
3000	**1.07** **730** **0.97**	**1.18** **785** **1.07**	**1.29** **840** **1.17**	**1.34** **865** **1.22**	**1.38** **895** **1.26**	**1.49** **945** **1.36**	*1.58* *989* *1.44*	
3200	**1.17** **752** **1.06**	**1.31** **810** **1.19**	**1.44** **868** **1.31**	**1.49** **900** **1.36**	**1.56** **924** **1.42**	**1.68** **980** **1.53**	*1.77* *1030* *1.61*	
3400	**1.40** **808** **1.27**	**1.51** **864** **1.37**	**1.63** **910** **1.48**	**1.68** **932** **1.53**	**1.74** **955** **1.58**	*1.86* *1010* *1.69*		
3600	**1.63** **863** **1.48**	**1.71** **910** **1.56**	**1.80** **942** **1.64**	**1.86** **965** **1.69**	**1.90** **982** **1.73**			

Horizontal Discharge

Air Volume (CFM)	External Static Pressure (Inches Water Column)							
	0.2	0.4	0.5	0.6	0.7	0.8	0.9	1.0
	BHP RPM (KW)	BHP RPM (KW)	BHP RPM (KW)	BHP RPM (KW)	BHP RPM (KW)	BHP RPM (KW)	BHP RPM (KW)	BHP RPM (KW)
2600			**0.96** **758** **0.87**	**0.99** **785** **0.90**	**1.01** **815** **0.92**	**1.03** **850** **0.94**	**1.06** **905** **0.96**	*1.10* *940* *1*
2800		**0.99** **725** **0.90**	**1.03** **780** **0.94**	**1.06** **810** **0.96**	**1.07** **840** **0.97**	**1.12** **880** **1.02**	**1.21** **920** **1.10**	*1.25* *955* *1.14*
3000	**1.01** **700** **0.92**	**1.07** **755** **0.97**	**1.10** **805** **1.00**	**1.12** **830** **1.02**	**1.19** **860** **1.08**	**1.29** **905** **1.17**	**1.37** **940** **1.25**	*1.46* *970* *1.33*
3200	**1.10** **720** **1.00**	**1.12** **780** **1.02**	**1.21** **830** **1.10**	**1.25** **865** **1.14**	**1.35** **895** **1.23**	**1.49** **925** **1.36**	**1.58** **955** **1.44**	*1.65* *987* *1.5*
3400	**1.26** **752** **1.15**	**1.34** **820** **1.22**	**1.42** **855** **1.29**	**1.52** **880** **1.38**	**1.62** **910** **1.47**	**1.70** **950** **1.55**	**1.78** **985** **1.62**	
3600	**1.43** **810** **1.30**	**1.56** **875** **1.42**	**1.65** **905** **1.50**	**1.74** **935** **1.58**	**1.82** **960** **1.66**	**1.93** **982** **1.76**		

Notes:
1. BHP - Brake Horsepower Input to Fan
2. Boldface indicates factory recommended blower operating range.
3. Values include losses for air filters, unit casing, and dry evaporator coil.
   See Accessory Performance Data table for additional static pressure information.

GR4GN-120*-235C Series Fan Performance

Vertical Discharge

Air Volume (CFM)	External Static Pressure (Inches Water Column)																							
	0.2			0.4			0.5			0.6			0.7			0.8			0.9			1.0		
	RPM	BHP	(KW)	RPM	BHP	(KW)	RPM	BHP	(KW)	RPM	BHP	(KW)	RPM	BHP	(KW)	RPM	BHP	(KW)	RPM	BHP	(KW)	RPM	BHP	(KW)
3600										**752**	**1.56**	**1.42**	**780**	**1.63**	**1.48**	**810**	**1.69**	**1.54**	**835**	**1.76**	**1.60**			
3800							**751**	**1.63**	**1.48**	**778**	**1.69**	**1.54**	**805**	**1.78**	**1.62**	**830**	**1.89**	**1.72**	**855**	**1.99**	**1.81**	*881*	*2.09*	*1.90*
4000				**749**	**1.76**	**1.60**	**777**	**1.80**	**1.64**	**805**	**1.88**	**1.71**	**829**	**1.93**	**1.76**	**854**	**2.07**	**1.88**	**879**	**2.21**	**2.01**	*905*	*2.33*	*2.12*
4200	**720**	**1.71**	**1.56**	**773**	**1.92**	**1.75**	**800**	**1.98**	**1.80**	**827**	**2.04**	**1.86**	**850**	**2.18**	**1.98**	**875**	**2.32**	**2.11**	**900**	**2.41**	**2.19**	*926*	*2.50*	*2.27*
4400	**745**	**1.87**	**1.70**	**798**	**2.08**	**1.89**	**825**	**2.17**	**1.97**	**850**	**2.31**	**2.10**	**874**	**2.45**	**2.23**	**900**	**2.53**	**2.30**	**924**	**2.63**	**2.39**	*925*	*2.59*	*2.36*
4600	**767**	**2.03**	**1.85**	**824**	**2.23**	**2.03**	**848**	**2.42**	**2.20**	**872**	**2.57**	**2.34**	**898**	**2.66**	**2.42**	**923**	**2.75**	**2.50**	*950*	*2.86*	*2.60*			
4800	**790**	**2.23**	**2.03**	**846**	**2.53**	**2.30**	**870**	**2.68**	**2.44**	**896**	**2.79**	**2.54**	**922**	**2.89**	**2.63**	*950*	*2.99*	*2.72*						

Horizontal Discharge

Air Volume (CFM)	External Static Pressure (Inches Water Column)																							
	0.2			0.4			0.5			0.6			0.7			0.8			0.9			1.0		
	RPM	BHP	(KW)	RPM	BHP	(KW)	RPM	BHP	(KW)	RPM	BHP	(KW)	RPM	BHP	(KW)	RPM	BHP	(KW)	RPM	BHP	(KW)	RPM	BHP	(KW)
3600										**735**	**1.48**	**1.35**	**760**	**1.59**	**1.45**	**783**	**1.67**	**1.52**	**805**	**1.76**	**1.60**			
3800							**740**	**1.54**	**1.40**	**759**	**1.65**	**1.50**	**782**	**1.75**	**1.59**	**805**	**1.82**	**1.66**	**830**	**1.91**	**1.74**	*855*	*2.02*	*1.84*
4000							**760**	**1.73**	**1.57**	**781**	**1.81**	**1.65**	**805**	**1.89**	**1.72**	**829**	**1.96**	**1.78**	**854**	**2.09**	**1.90**	*879*	*2.21*	*2.01*
4200				**758**	**1.81**	**1.65**	**779**	**1.89**	**1.72**	**803**	**1.98**	**1.80**	**827**	**2.07**	**1.88**	**850**	**2.20**	**2.00**	**877**	**2.34**	**2.13**	*901*	*2.41*	*2.19*
4400				**776**	**1.99**	**1.81**	**800**	**2.07**	**1.88**	**825**	**2.13**	**1.94**	**850**	**2.30**	**2.09**	**876**	**2.46**	**2.24**	**900**	**2.54**	**2.31**	*924*	*2.62*	*2.38*
4600	**774**	**2.10**	**1.91**	**799**	**2.17**	**1.97**	**823**	**2.23**	**2.03**	**848**	**2.37**	**2.16**	**874**	**2.52**	**2.29**	**898**	**2.65**	**2.41**	**921**	**2.75**	**2.50**			
4800	**773**	**2.18**	**1.98**	**822**	**2.34**	**2.13**	**850**	**2.50**	**2.27**	**872**	**2.65**	**2.41**	**895**	**2.77**	**2.52**	**919**	**2.88**	**2.62**						

Notes:
1. BHP - Brake Horsepower Input to Fan
2. Boldface indicates factory recommended blower operating range.
3. Values include losses for air filters, unit casing, and dry evaporator coil.
   See Accessory Performance Data table for additional static pressure information.

Accessory Performance Data

Model No.	Air Volume (CFM)	Total Resistance (inches water column)								
		Wet Evaporator Coil	Downflow Economizer	Horizontal Economizer	Step Down Diffuser System				Flush Mount Diffuser System	Throw Feet
					2 Ends Open	2 Ends Open w/1 Side Open	2 Ends Open w/2 Sides Open	Throw Feet		
GR4GN-090	2600	0.12	0.30	0.04	0.20	0.20	0.15	24-29	0.17	19-24
	2800	0.14	0.35	0.04	0.25	0.25	0.20	25-30	0.20	20-28
	3000	0.16	0.40	0.04	0.30	0.30	0.25	27-33	0.25	21-29
	3200	0.18	0.45	0.05	0.40	0.38	0.30	28-35	0.31	22-29
	3400	***0.20***	***0.50***	***0.05***	***0.50***	***0.46***	***0.40***	***30-37***	***0.37***	***22-30***
	3600	0.22	0.55	0.05	0.60	0.55	0.50	32-39	0.43	23-31

Model No.	Air Volume (CFM)	Total Resistance (inches water column)								
		Wet Evaporator Coil	Down Flow Economizer	Horizontal Economizer	Step Down Diffuser System				Flush Mount Diffuser System	Throw Feet
					2 Ends Open	2 Ends Open w/1 Side Open	2 Ends Open w/2 Sides Open	Throw Feet		
GR4GN-120	3600	0.12	0.20	0.04	0.35	0.25	0.20	25-33	0.17	22-29
	3800	0.13	0.22	0.04	0.40	0.30	0.25	27-35	0.18	22-30
	4000	0.14	0.24	0.04	0.45	0.35	0.30	29-37	0.21	24-33
	4200	***0.16***	***0.27***	***0.05***	***0.50***	***0.40***	***0.35***	***32-40***	***0.24***	***26-35***
	4400	0.18	0.30	0.05	0.55	0.45	0.40	34-42	0.27	28-37
	4600	0.20	0.33	0.05	0.60	0.50	0.45	36-44	0.30	30-39

Bold italicized numbers indicate factory blower setting.

ACCESSORIES - 7 1/2 AND 10 TON GR4GN

Nordyne Part #	Description	(*)R4GN -090	(*)R4GN -120
547860	Hinged Roof Curb 8" High - K/D	X	X
547861	Hinged Roof Curb 14" High - K/D	X	X
547862	Hinged Roof Curb 18" High - K/D	X	X
547863	Hinged Roof Curb 24" High - K/D	X	X
547864	0-35% Manual Outside Air Damper	X	
547865	0-35% Motorized Damper - Only (Requires either 547864 or 547874 Panel Kit)	X	X
547866	Economizer - Modulating w/ Relief, Adapts Horizontal	X	
547883	Economizer - 3 Position w/ Relief, Adapts Horizontal	X	
547884	Economizer - 3 Position w/ Relief, Adapts Horizontal		X
547875	Economizer - Modulating w/ Relief, Adapts Horizontal		X
547867	Power Exhaust - Prop (208/230v/3ph), Adapts Horizontal	X	
547868	Power Exhaust - Prop (460v/3ph), Adapts Horizontal	X	
547890	Power Exhaust - Prop (575v/3ph), Adapts Horizontal	X	
547869	20" Supply & Return Transition Round	X	
547870	20" Flush Mount Concentric Diffuser Round	X	
547871	20" Step Down Concentric Diffuser Round	X	
547872	Horizontal Supply & Return Kit	X	
547873	Hooded Hail Guard	X	
547848	CO_2 Sensor - 4-9v dc	X	X
547874	0-35% Manual Outside Air Damper		X
547876	Power Exhaust - Prop (208/230v/3ph), Adapts Horizontal		X
547877	Power Exhaust - Prop (460v/3ph), Adapts Horizontal		X
547891	Power Exhaust - Prop (575v/3ph), Adapts Horizontal		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
547881	Horizontal Supply & Return Kit		X
547882	Hooded Hail Guard		X
917159	Thermostat-2 stage Heat/Cool	X	X
918797	Low Ambient Kit	X	X
917164	LP Conversion Kit	X	X
917165	Bottom Power Entry Kit	X	X

We Encourage Professionalism Through Technician Certification by NATE

235B-0207 (Replaces 235B-0506)

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations. Printed in U.S.A. (02/07)

O'Fallon, MO NORDYNE