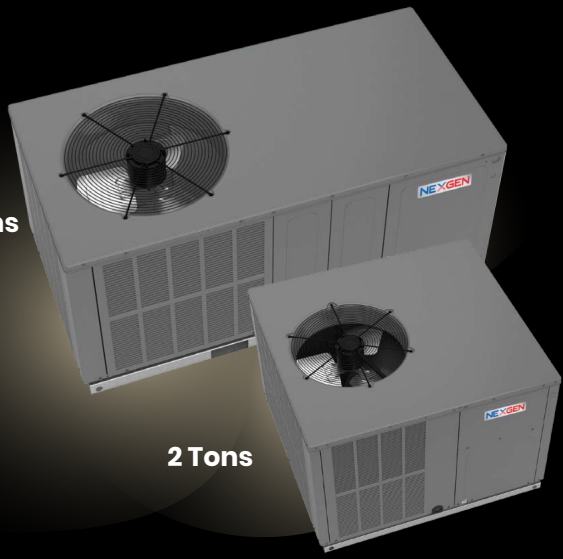


5 Tons



2 Tons

APH16M

High-Efficiency Packaged Heat Pump
2 to 5 Tons
Up to 16 SEER / 8.2 HSPF

Cooling Capacity: 24,000 – 58,000BTU/h
Heating Capacity: 22,800 – 55,000BTU/h

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Standard Features

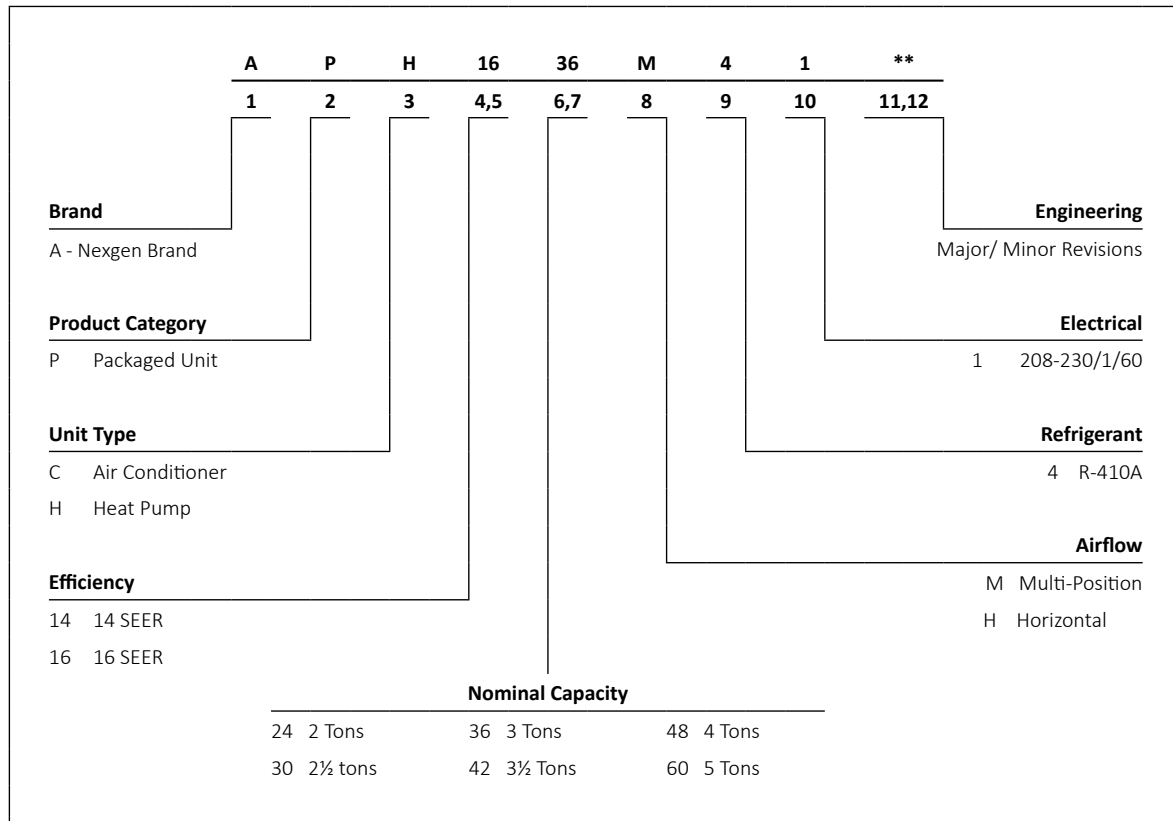
- Energy-efficient scroll compressor with internal relief valve
- Variable-speed ECM indoor blower motor
- Liquid-line filter drive
- Convertible airflow: horizontal or down flow
- Compressor sound blanket
- All-aluminum evaporator coil on 2- to 4-ton units
- Aluminum-copper evaporator coil on 5-ton units
- Totally enclosed, permanently lubricated condenser fan motor
- Electric heat kit available as a field-installed option




Cabinet Features

- Heavy-gauge galvanized-steel cabinet with attractive two-tone Architectural Gray powder-paint finish
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated air-handling compartment with convenient access panels
- Louvered condenser coil protection



Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.



	APH16 24M41A*	APH1624M41 A*+OTHPPKG	APH16 30M41A*	APH1630M41 A*+OTHPPKG	APH16 36M41A*	APH16 42M41A*	APH16 48M41**	APH16 60M41A
COOLING CAPACITY								
Total BTU/h	24,000	24,000	29,000	29,000	33,600	41,000	47,000	58,000
Sensible BTU/h	18,200	18,200	22,000	22,000	25,200	30,000	35,800	44,500
SEER / EER	16.0/ 12.5	16.0/ 12.5	15.5/ 12.0	15.5/ 12.0	16.0/ 12.0	16.0/ 12.0	16.0/ 12.0	16.0/ 12.0
Decibels	76	76	76	76	76	78	78	78
AHRI #s	8143320	10061987	8143321	10061988	8143322	8143323	8143324	9134481
HEATING CAPACITY								
BUT/h (47°F)	22,800	22,800	28,400	28,400	33,600	38,000	45,500	55,000
C.O.P (47°F)	3.6	3.6	3.5	3.5	3.6	3.6	3.7	3.7
BUT/h (17°F)	12,500	12,500	16,600	16,200	19,400	21,600	27,000	30,000
C.O.P (17°F)	2.3	2.3	2.4	2.4	2.4	2.3	2.4	2.4
HSPF	8.0	8.2	8.0	8.2	8.0	8.2	8.2	8.2
EVAPORATOR MOTOR								
Type	ECM	ECM	ECM	ECM	ECM	ECM	ECM	ECM
Wheel (D x W)	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9	11 x 10
Nominal Cooling CFM	850	850	1,050	1,050	1,200	1,300	1,600	1,850
FLA	4.3	4.3	4.3	4.3	4.3	5.8	5.8	7
No. of Speeds	Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable
Horsepower - RPM	½ -1,050	½ -1,050	½ -1,050	½ -1,050	½ -1,050	¾ - 1,050	¾ - 1,050	1 - 1,050
EVAPORATOR COIL								
Face Area (ft ²)	4.5	4.5	4.5	4.5	4.5	6.2	6.2	8.9
Rows Deep/ Fin per Inch	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 16
Expansion Device	TXV	TXV	TXV	TXV	TXV	TXV	TXV	TXV
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"
R-410A Refrigerant Charge (oz.)	137	137	137	137	137	170	170	240
CONDENSER FAN / COIL								
Horsepower - RPM	¼ - 850	¼ - 850	¼ - 850	¼ - 850	¼ - 850	¼ - 1,075	¼ - 1,075	1/3 - 1,090
FLA/LRA	1.5/ 3.0	1.5/ 3.0	1.5/ 3.0	1.5/ 3.0	1.5/ 3.0	1.4 / 2.9	1.4 / 2.9	2 / 4.4
Fan Diameter / # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3	22 / 4
Expansion Device	TXV	TXV	TXV	TXV	TXV	TXV	TXV	TXV
Face Area (ft ²)	15.5	15.5	15.5	15.5	15.5	19.4	19.4	19
Rows Deep/ Fin per Inch	2 / 16	2 / 16	2 / 16	2 / 16	2 / 16	2 / 16	2 / 16	2 / 20
COMPRESSOR								
Quantity	1	1	1	1	1	1	1	1
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Stage	Two	Two	Two	Two	Two	Two	Two	Two
ELECTRICAL DATA								
Voltage/ Phase (60 Hz)	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1
Compressor RLA/ LRA	11.7 / 58.3	11.7 / 58.3	13.1 / 73	13.1 / 73	15.3 / 83	17.9 / 96	21.2 / 104	26.9 / 152.9
Indoor Blower FLA	4.3	4.3	4.3	4.3	4.3	5.8	5.8	7
Total Unit Amps	17.5	17.5	18.9	18.9	21.1	25.1	28.4	35.9
Min. Circuit Ampacity ¹	20.4	20.4	22.2	22.2	24.9	29.6	33.7	42.6
Max. Overcurrent Protection ²	30	30	35	35	40	45	50	60
SHIPPING WEIGHT (LBS)								
	376	376	385	385	438	492	490	612
ENERGY STAR® CERTIFIED								
	NO	NO	NO	NO				NO

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE												
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	2201	MBh	57.5	59.6	65.3	-	56.2	58.2	63.8	-	54.8	56.8	62.3	-	53.5	55.5	60.8	-	50.8	52.7	57.7	-	47.1	48.8	53.5	-
		S/T	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.88	0.74	0.51	-
	ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	
	kW	3.82	3.89	4.01	-	4.10	4.19	4.32	-	4.35	4.44	4.58	-	4.57	4.67	4.82	-	4.76	4.86	5.02	-	4.92	5.03	5.19	-	
	Amps	16.3	16.7	17.2	-	17.5	17.9	18.4	-	18.8	19.2	19.8	-	20.0	20.4	21.0	-	21.1	21.6	22.2	-	22.3	22.8	23.5	-	
	Hi PR	225	242	256	-	252	272	287	-	287	309	326	-	327	352	372	-	368	396	418	-	407	438	462	-	
	Lo PR	111	118	129	-	118	125	137	-	122	130	142	-	128	137	149	-	135	143	156	-	139	148	162	-	
	1961	MBh	55.8	57.9	63.4	-	54.5	56.5	61.9	-	53.2	55.2	60.5	-	51.9	53.8	59.0	-	49.3	51.1	56.0	-	45.7	47.4	51.9	-
		S/T	0.73	0.61	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.48	-	0.84	0.70	0.49	-
	1736	MBh	53.0	55.0	60.2	-	51.8	53.7	58.8	-	50.6	52.4	57.4	-	49.3	51.1	56.0	-	46.9	48.6	53.2	-	43.4	45.0	49.3	-
S/T		0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-	

75	2201	MBh	58.5	60.2	65.2	70.0	57.1	58.8	63.7	68.3	55.8	57.4	62.1	66.7	54.4	56.0	60.6	65.1	51.7	53.2	57.6	61.8	47.9	49.3	53.4	57.3
		S/T	0.88	0.78	0.59	0.38	0.91	0.81	0.61	0.40	0.93	0.83	0.63	0.41	0.96	0.86	0.65	0.42	1.00	0.89	0.67	0.43	1.00	0.90	0.68	0.44
	ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	19	15	10	
	kW	3.85	3.93	4.05	4.17	4.13	4.22	4.35	4.49	4.39	4.48	4.62	4.77	4.61	4.71	4.86	5.02	4.80	4.90	5.06	5.23	4.96	5.07	5.24	5.41	
	Amps	16.5	16.8	17.3	17.9	17.6	18.0	18.5	19.1	19.0	19.4	20.0	20.6	20.1	20.6	21.2	21.9	21.3	21.8	22.4	23.2	22.5	23.0	23.7	24.5	
	Hi PR	227	245	258	269	255	274	290	302	290	312	330	344	330	356	375	392	372	400	422	441	411	442	467	487	
	Lo PR	112	120	131	139	119	126	138	147	123	131	143	153	130	138	151	160	136	145	158	168	141	150	163	174	
	1961	MBh	56.8	58.5	63.3	67.9	55.5	57.1	61.8	66.3	54.1	55.7	60.3	64.8	52.8	54.4	58.9	63.2	50.2	51.7	55.9	60.0	46.5	47.9	51.8	55.6
		S/T	0.84	0.75	0.57	0.36	0.87	0.77	0.59	0.38	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
	1736	MBh	53.9	55.5	60.1	64.5	52.7	54.2	58.7	63.0	51.4	53.0	57.3	61.5	50.2	51.7	55.9	60.0	47.7	49.1	53.1	57.0	44.2	45.5	49.2	52.8
S/T		0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.78	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling: 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat: 15-18°F @ the compressor suction access fitting connection.

Shaded area reflects ACCA (TVA) conditions.
 kW = Total system power
 Amps = outdoor unit amps (comp.+fan)

APH1624M41**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	28.7	27.1	25.5	23.9	22.8	22.1	20.5	18.9	15.6	14.4	13.2	12.5	12.0	10.8	9.6	8.4	7.1	5.8
T/R	31.2	29.6	27.8	26.0	24.8	24.1	22.4	20.6	17.0	15.7	14.4	13.6	13.1	11.8	10.4	9.1	7.8	6.4
kW	1.96	1.92	1.88	1.84	1.82	1.80	1.76	1.72	1.68	1.64	1.60	1.58	1.56	1.52	1.49	1.45	1.41	1.37
Amps	10.0	9.4	8.8	8.4	8.1	8.0	7.6	7.3	7.0	6.7	6.5	6.3	6.3	6.0	5.7	5.4	5.1	4.7
COP	4.28	4.14	3.98	3.80	3.67	3.59	3.41	3.21	2.71	2.57	2.42	2.32	2.25	2.07	1.89	1.69	1.48	1.25
HI PR	397	381	366	350	342	336	323	310	297	283	272	265	261	251	241	231	223	215
LO PR	142	132	123	113	107	103	95	84	76	68	60	55	53	45	39	33	29	23

APH1630M41**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	35.7	33.8	31.8	29.7	28.4	27.5	25.6	23.6	20.7	19.1	17.6	16.6	16.0	14.3	12.7	11.1	9.5	7.8
T/R	31.5	29.8	28.0	26.2	25.0	24.3	22.5	20.8	18.2	16.8	15.5	14.6	14.1	12.6	11.2	9.8	8.3	6.8
kW	2.56	2.51	2.45	2.40	2.37	2.35	2.30	2.25	2.25	2.20	2.15	2.12	2.09	2.04	1.99	1.94	1.88	1.83
Amps	12.9	12.0	11.3	10.7	10.4	10.2	9.7	9.2	8.9	8.5	8.2	8.0	7.9	7.6	7.2	6.8	6.4	5.9
COP	4.08	3.95	3.79	3.62	3.50	3.43	3.25	3.07	2.69	2.54	2.40	2.30	2.23	2.06	1.87	1.68	1.47	1.24
HI PR	416	399	383	366	358	351	337	324	310	296	284	278	273	262	252	242	233	225
LO PR	135	125	117	108	102	98	90	80	72	65	57	53	51	43	37	31	27	21

APH1636M41**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	42.1	39.9	37.5	35.1	33.5	32.5	30.2	27.8	24.2	22.4	20.6	19.4	18.7	16.8	14.9	13.0	11.1	9.1
T/R	32.5	30.8	29.0	27.1	25.8	25.0	23.3	21.5	18.7	17.2	15.9	15.0	14.4	13.0	11.5	10.0	8.5	7.0
kW	2.85	2.79	2.73	2.67	2.64	2.62	2.56	2.50	2.48	2.42	2.37	2.33	2.31	2.25	2.19	2.14	2.08	2.02
Amps	14.5	13.6	12.8	12.1	11.7	11.5	11.0	10.5	10.1	9.7	9.3	9.1	9.0	8.7	8.2	7.8	7.3	6.7
COP	4.33	4.18	4.02	3.84	3.71	3.63	3.45	3.25	2.85	2.70	2.54	2.44	2.37	2.18	1.99	1.78	1.56	1.31
HI PR	399	383	368	352	344	337	324	311	298	285	273	267	262	252	242	232	224	216
LO PR	134	124	116	107	101	97	89	79	72	64	56	52	50	43	37	31	27	21

Notes

Above information is for nominal CFM and 70-degree indoor dry bulb. Instantaneous capacity listed.

High pressure is measured at the liquid line access fitting.

Low pressure is measured at the compressor suction access fitting.

Amps: Unit amps (comp.+ evaporator motor + condenser fan motor)

kW = Total system power

APH1642M41**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	47.8	45.2	42.6	39.8	38.0	36.8	34.2	31.5	26.8	24.7	22.8	21.5	20.7	18.6	16.5	14.4	12.3	10.0
T/R	34.0	32.2	30.3	28.3	27.1	26.2	24.4	22.5	19.1	17.6	16.2	15.3	14.7	13.2	11.7	10.2	8.7	7.2
kW	3.53	3.46	3.38	3.31	3.27	3.24	3.17	3.10	2.94	2.87	2.80	2.76	2.73	2.66	2.59	2.53	2.46	2.39
Amps	17.8	16.6	15.6	14.8	14.3	14.0	13.3	12.7	12.2	11.7	11.2	11.0	10.9	10.4	9.8	9.3	8.7	8.0
COP	3.96	3.83	3.68	3.51	3.40	3.33	3.16	2.98	2.67	2.52	2.38	2.28	2.22	2.04	1.86	1.66	1.46	1.23
HI PR	417	399	384	367	359	352	338	324	311	297	285	278	273	263	253	242	234	226
LO PR	135	125	117	108	102	98	90	80	72	65	57	53	51	43	37	31	27	21

APH1648M41**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	57.2	54.1	51.0	47.6	45.5	44.1	41.0	37.8	33.6	31.1	28.6	27.0	26.0	23.3	20.7	18.0	15.4	12.6
T/R	33.1	31.3	29.5	27.6	26.3	25.5	23.7	21.9	19.5	18.0	16.5	15.6	15.0	13.5	12.0	10.4	8.9	7.3
kW	3.94	3.86	3.78	3.71	3.66	3.63	3.55	3.47	3.36	3.28	3.21	3.16	3.13	3.05	2.98	2.90	2.82	2.75
Amps	20.8	19.4	18.2	17.2	16.6	16.3	15.5	14.8	14.2	13.6	13.0	12.7	12.6	12.0	11.3	10.7	10.0	9.1
COP	4.25	4.10	3.94	3.76	3.64	3.56	3.37	3.18	2.93	2.77	2.61	2.50	2.43	2.24	2.03	1.82	1.59	1.34
HI PR	404	387	372	356	348	341	328	315	301	288	276	270	265	255	245	235	227	219
LO PR	133	124	116	106	100	97	89	79	71	64	56	52	50	42	37	31	27	21

APH1660M41**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	69.7	66.0	62.1	58.0	55.4	53.7	49.9	46.0	38.2	35.3	32.5	30.7	29.5	26.5	23.5	20.5	17.5	14.3
T/R	32.9	31.1	29.3	27.4	26.2	25.4	23.5	21.7	18.0	16.6	15.3	14.5	13.9	12.5	11.1	9.7	8.3	6.8
kW	4.54	4.45	4.36	4.28	4.23	4.19	4.11	4.02	3.94	3.85	3.77	3.72	3.68	3.59	3.51	3.42	3.34	3.25
Amps	23.7	22.1	20.8	19.7	19.0	18.7	17.8	17.0	16.3	15.7	15.0	14.7	14.6	13.9	13.1	12.5	11.7	10.7
COP	4.49	4.34	4.16	3.97	3.84	3.75	3.56	3.35	2.84	2.68	2.52	2.42	2.35	2.16	1.96	1.75	1.53	1.29
HI PR	295	283	272	260	254	249	239	230	220	210	202	197	193	186	179	171	165	160
LO PR	133	124	116	106	101	97	89	79	71	64	56	52	50	43	37	31	27	21

Notes

Above information is for nominal CFM and 70-degree indoor dry bulb. Instantaneous capacity listed.

High pressure is measured at the liquid line access fitting.

Low pressure is measured at the compressor suction access fitting.

Amps: Unit amps (comp.+ evaporator motor + condenser fan motor)

kW = Total system power

APH1624M41						
CONDITIONS: 850 CFM; INDOOR AIR @ 70°F DB						
OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUXILIARY HEAT		UNIT CAPACITY WITH kW OF AUXILIARY HEAT			
	CAPACITY*	COP	4.8	9.6	14.4	19.2
65	28.66	4.28	45.04	61.42	---	---
60	27.13	4.14	43.51	59.90	---	---
55	25.54	3.97	41.92	58.30	---	---
50	23.87	3.79	40.25	56.64	---	---
45	22.09	3.58	38.48	54.86	---	---
40	20.52	3.40	36.90	53.28	---	---
35	18.92	3.21	35.31	51.69	---	---
30	15.58	2.72	31.96	48.34	---	---
25	14.38	2.57	30.76	47.14	---	---
20	13.24	2.42	29.62	46.00	---	---
15	12.04	2.25	28.42	44.80	---	---
10	10.80	2.07	27.18	43.56	---	---
5	9.58	1.88	25.96	42.34	---	---
0	8.35	1.68	24.73	41.11	---	---
-5	7.13	1.48	23.51	39.89	---	---
-10	5.84	1.24	22.22	38.60	---	---

* BTH/h

APH1630M41						
CONDITIONS: 1050 CFM; INDOOR AIR @ 70°F DB						
OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUXILIARY HEAT		UNIT CAPACITY WITH kW OF AUXILIARY HEAT			
	CAPACITY*	COP	4.8	9.6	14.4	19.2
65	35.70	4.09	52.08	68.46	84.85	---
60	33.80	3.95	50.18	66.56	82.94	---
55	31.81	3.80	48.19	64.57	80.96	---
50	29.73	3.63	46.12	62.50	78.88	---
45	27.52	3.43	43.90	60.28	76.67	---
40	25.56	3.26	41.94	58.32	74.71	---
35	23.57	3.07	39.95	56.34	72.72	---
30	20.68	2.68	37.07	53.45	69.83	---
25	19.09	2.53	35.47	51.85	68.24	---
20	17.58	2.39	33.96	50.34	66.73	---
15	15.99	2.23	32.37	48.75	65.13	---
10	14.34	2.05	30.72	47.11	63.49	---
5	12.72	1.87	29.10	45.48	61.86	---
0	11.09	1.67	27.47	43.85	60.24	---
-5	9.46	1.47	25.84	42.23	58.61	---
-10	7.75	1.24	24.13	40.52	56.90	---

* BTH/h

APH1636M41						
CONDITIONS: 1200 CFM; INDOOR AIR @ 70°F DB						
OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUXILIARY HEAT		UNIT CAPACITY WITH kW OF AUXILIARY HEAT			
	CAPACITY*	COP	4.8	9.6	14.4	19.2
65	42.11	4.33	58.49	74.87	91.26	---
60	39.87	4.18	56.25	72.63	89.01	---
55	37.52	4.02	53.90	70.28	86.67	---
50	35.07	3.84	51.46	67.84	84.22	---
45	32.46	3.63	48.84	65.23	81.61	---
40	30.15	3.45	46.53	62.91	79.30	---
35	27.81	3.25	44.19	60.57	76.95	---
30	24.22	2.86	40.60	56.99	73.37	---
25	22.36	2.70	38.74	55.12	71.50	---
20	20.59	2.55	36.97	53.35	69.73	---
15	18.72	2.37	35.10	51.49	67.87	---
10	16.80	2.19	33.18	49.56	65.94	---
5	14.89	1.99	31.27	47.66	64.04	---
0	12.99	1.78	29.37	45.75	62.13	---
-5	11.08	1.56	27.46	43.85	60.23	---
-10	9.08	1.32	25.46	41.84	58.23	---

* BTH/h

APH1642M41						
CONDITIONS: 1300 CFM; INDOOR AIR @ 70°F DB						
OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUXILIARY HEAT		UNIT CAPACITY WITH kW OF AUXILIARY HEAT			
	CAPACITY*	COP	4.8	9.6	14.4	19.2
65	47.77	3.99	64.15	80.53	96.91	---
60	45.22	3.85	61.60	77.98	94.37	---
55	42.56	3.69	58.94	75.32	91.71	---
50	39.79	3.52	56.17	72.55	88.93	---
45	36.82	3.32	53.20	69.59	85.97	---
40	34.20	3.15	50.58	66.96	83.35	---
35	31.54	2.96	47.92	64.30	80.69	---
30	26.91	2.70	43.30	59.68	76.06	---
25	24.84	2.55	41.22	57.60	73.99	---
20	22.87	2.39	39.26	55.64	72.02	---
15	20.80	2.22	37.18	53.57	69.95	---
10	18.66	2.04	35.04	51.43	67.81	---
5	16.55	1.85	32.93	49.31	65.69	---
0	14.43	1.65	30.81	47.19	63.58	---
-5	12.31	1.44	28.69	45.08	61.46	---
-10	10.09	1.21	26.47	42.85	59.23	---

* BTH/h

NOTES

- COP: Coefficient of performance
- To obtain BTU capacity of the unit with Kw of auxiliary heat, multiply by 1000 (example 39.01 x 1000 = 39,010 BTU'S)

APH1648M41						
CONDITIONS: 1600 CFM; INDOOR AIR @ 70°F DB						
OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUXILIARY HEAT		UNIT CAPACITY WITH KW OF AUXILIARY HEAT			
	CAPACITY*	COP	4.8	9.6	14.4	19.2
65	57.19	4.25	73.58	89.96	106.34	122.72
60	54.15	4.10	70.53	86.91	103.29	119.67
55	50.96	3.94	67.34	83.72	100.11	116.49
50	47.64	3.76	64.02	80.40	96.79	113.17
45	44.09	3.56	60.47	76.85	93.24	109.62
40	40.95	3.37	57.33	73.71	90.10	106.48
35	37.77	3.18	54.15	70.53	86.91	103.29
30	33.64	2.93	50.02	66.41	82.79	99.17
25	31.05	2.77	47.43	63.81	80.20	96.58
20	28.59	2.61	44.98	61.36	77.74	94.12
15	26.00	2.43	42.38	58.77	75.15	91.53
10	23.33	2.24	39.71	56.09	72.48	88.86
5	20.68	2.03	37.06	53.45	69.83	86.21
0	18.04	1.82	34.42	50.80	67.18	83.57
-5	15.39	1.60	31.77	48.15	64.54	80.92
-10	12.61	1.34	28.99	45.37	61.76	78.14

* BTH/h

APH1660M41					
CONDITION : 1850 CMF; INDOOR AIR @ 70 °F DB					
OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUXILIARY HEAT		UNIT CAPACITY WITH KW OF AUXILIARY HEAT		
	CAPACITY*	COP	10	15	20
65	69.70	4.49	84.31	223.38	279.28
60	66	4.34	80.61	219.68	275.58
55	62.10	4.16	76.71	215.78	271.68
50	58.00	3.97	72.61	211.68	267.58
45	53.70	3.75	68.31	207.38	263.28
40	49.90	3.56	64.51	203.58	259.48
35	46	3.35	60.61	199.68	255.58
30	38.20	2.84	52.81	191.88	247.78
25	35.30	2.68	49.91	188.98	244.88
20	32.50	2.52	47.11	186.18	242.08
15	29.50	2.35	44.11	183.18	239.08
10	26.50	2.16	41.11	180.18	236.08
5	23.50	1.96	38.11	177.18	233.08
0	20.50	1.75	35.11	174.18	230.08
-5	17.50	1.53	32.11	171.18	227.08
-10	14.30	1.29	28.91	167.98	223.88

* BTH/h

NOTES

- COP: Coefficient of Performance
- To obtain BTU capacity of the unit with Kw of auxiliary heat, multiply by 1000 (example 39.01 x 1000 = 39,010 BTU'S)

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

MODEL AND HEAT KIT USAGE	CIRCUIT #1		CIRCUIT #2		ACTUAL kW / BTU@ 240V
	MCA ¹	MOP ²	MCA ¹	MOP ²	
APH1624M41**	4.3 / 4.3	---	---	---	---
HKP-05C*	24 / 27	30 / 30	---	---	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	---	---	7.0 / 23,800
HKP-10C*	45 / 52	60 / 60	---	---	9.5 / 32,400
APH1630M41**	4.3 / 4.3	---	---	---	---
HKP-05C*	24 / 27	30 / 30	---	---	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	---	---	7.0 / 23,800
HKP-10C*	45 / 52	60 / 60	---	---	9.5 / 32,400
HKP-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
APH1636M41**	4.3 / 4.3	---	---	---	---
HKP-05C*	24 / 27	30 / 30	---	---	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	---	---	7.0 / 23,800
HKP-10C*	45 / 52	60 / 60	---	---	9.5 / 32,400
HKP-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
APH1642M41**	5.8/5.8	---	---	---	---
HKP-05C*	24 / 27	30 / 30	---	---	4.75 / 16,200
HKR08A,CA	34 / 39	40 / 40	---	---	7.0 / 23,800
HKP-10C*	45 / 52	60 / 60	---	---	9.5 / 32,400
HKP-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
APH1648M41* *	5.8/5.8	---	---	---	---
HKP-05C*	25 / 28	30 / 30	---	---	4.75 / 16,200
HKR08A,CA	34 / 40	40 / 40	---	---	7.00 / 23,800
HKP-10C*	46 / 53	60 / 60	---	---	9.50 / 32,400
HKP-15C*	46 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
HKP-20C*	46 / 52	60 / 60	43 / 49	60 / 60	19.50 / 66,500

¹ Minimum Circuit Ampacity @ 240 V

² Maximum Overcurrent Protection device @ 240 V

* Revision level that may or may not be designated

C Circuit Breaker option

MODEL AND HEAT KIT USAGE	MCA ¹ @ 208 / 240V	MOP ² (AMPS) @ 208 / 240V	ACTUAL kW & BTU @ 240V	RECOMMENDED AIRFLOW RANGE
APH1660M41* *			---	---
EHK1-10	53 / 62	60 / 70	10 / 34,000	1750-2250 CFM
EHK1-15	76 / 88	80 / 90	15 / 51,000	1750-2250 CFM
EHK1-20	99 / 114	100 / 120	20 / 68,200	1850-2250 CFM

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection Device

KW CORRECTION FACTORS

KW CORRECTION FACTOR FOR 1- & 3-PHASE UNITS					
SUPPLY VOLTAGE	240	230	220	210	208
CORRECTION FACTOR	1	0.93	0.82	0.78	0.76

Multiply rated kW by correction factor to get actual kW

MINIMUM AIRFLOW FOR ELECTRIC HEAT

HEATER SIZE	MINIMUM CFM
10 kW	1,250
15 kW	1,400
20 kW	1,850

APH1624M41**					
COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	630	D	Minus	630
	Normal	700		Normal	700
	Plus	770		Plus	770
C	Minus	743	C	Minus	743
	Normal	825		Normal	825
	Plus	908		Plus	908
B	Minus	855	B	Minus	855
	Normal	950		Normal	950
	Plus	1,045		Plus	1,045
A	Minus	945	A	Minus	945
	Normal	1,050		Normal	1,050
	Plus	1,155		Plus	1,155

* @ 0.1 - 0.5 ESP
Factory default is "B" minus

APH1630M41**					
COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	720	D	Minus	720
	Normal	800		Normal	800
	Plus	880		Plus	880
C	Minus	900	C	Minus	900
	Normal	1,000		Normal	1,000
	Plus	1,100		Plus	1,100
B	Minus	990	B	Minus	990
	Normal	1,100		Normal	1,100
	Plus	1,210		Plus	1,210
A	Minus	1,125	A	Minus	1,125
	Normal	1,250		Normal	1,250
	Plus	1,375		Plus	1,375

* @ 0.1 - 0.8 ESP
Factory default is "C" normal

APH1636M41**					
COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	720	D	Minus	720
	Normal	800		Normal	800
	Plus	880		Plus	880
C	Minus	900	C	Minus	900
	Normal	1,000		Normal	1,000
	Plus	1,100		Plus	1,100
B	Minus	990	B	Minus	990
	Normal	1,100		Normal	1,100
	Plus	1,210		Plus	1,210
A	Minus	1,125	A	Minus	1,125
	Normal	1,250		Normal	1,250
	Plus	1,375		Plus	1,375

* @ 0.1 - 0.8 ESP
Factory default is "B" plus

APH1642M41 **					
COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	1,103	D	Minus	1,103
	Normal	1,225		Normal	1,225
	Plus	1,348		Plus	1,348
C	Minus	1,260	C	Minus	1,260
	Normal	1,400		Normal	1,400
	Plus	1,540		Plus	1,540
B	Minus	1,530	B	Minus	1,530
	Normal	1,700		Normal	1,700
	Plus	1,870		Plus	1,870
A	Minus	1,620	A	Minus	1,620
	Normal	1,800		Normal	1,800
	Plus	1,980		Plus	1,980

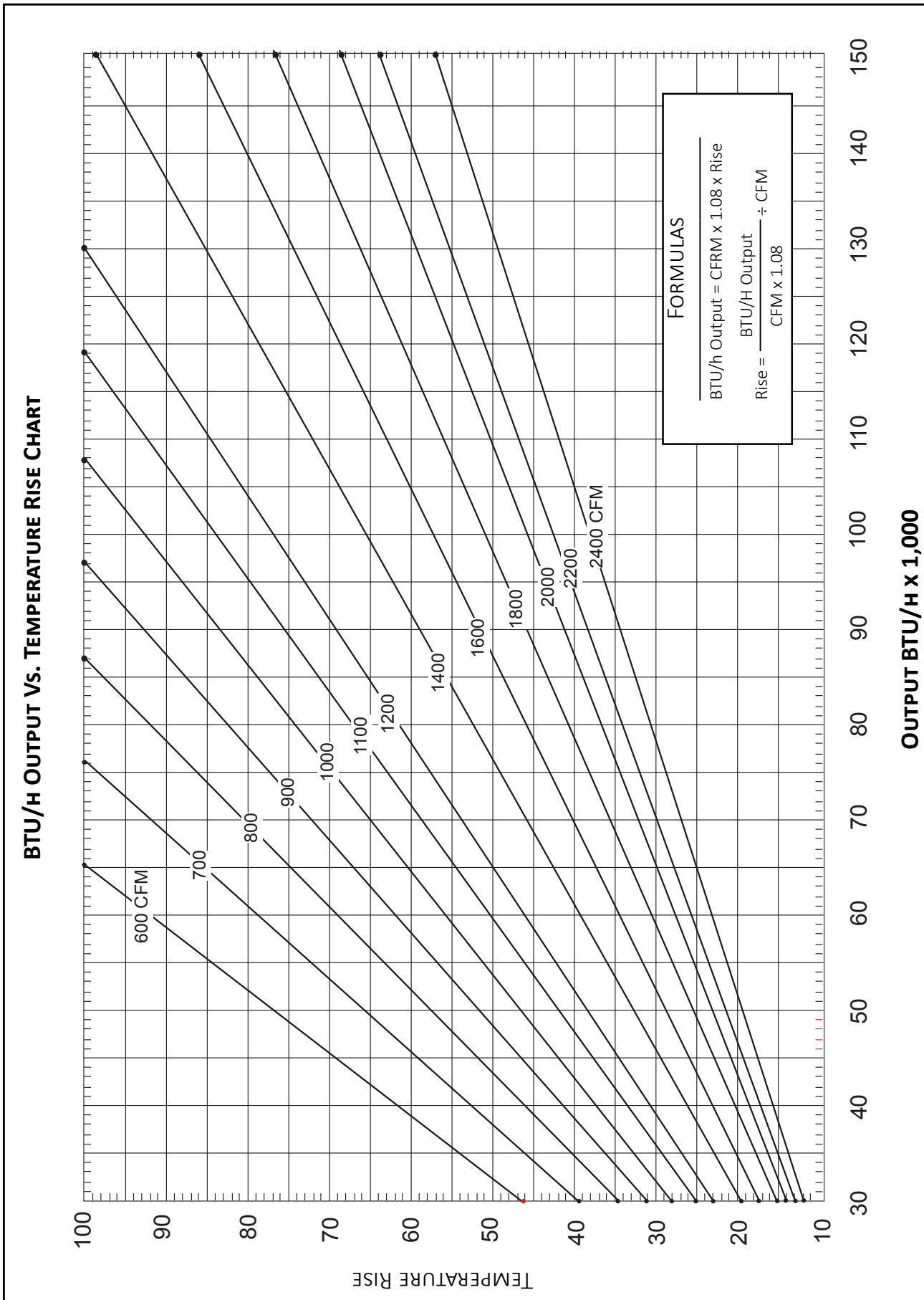
* @ 0.1 - 0.8 ESP
Factory default is "A" normal

APH1648M41**					
COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	1,103	D	Minus	1,103
	Normal	1,225		Normal	1,225
	Plus	1,348		Plus	1,348
C	Minus	1,260	C	Minus	1,260
	Normal	1,400		Normal	1,400
	Plus	1,540		Plus	1,540
B	Minus	1,530	B	Minus	1,530
	Normal	1,700		Normal	1,700
	Plus	1,870		Plus	1,870
A	Minus	1,620	A	Minus	1,620
	Normal	1,800		Normal	1,800
	Plus	1,980		Plus	1,980

* @ 0.1 - 0.8 ESP
Factory default is "A" minus

APH1660M41**					
COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	1,215	D	Minus	1,215
	Normal	1,350		Normal	1,350
	Plus	1,485		Plus	1,485
C	Minus	1,440	C	Minus	1,440
	Normal	1,600		Normal	1,600
	Plus	1,760		Plus	1,760
B	Minus	1,665	B	Minus	1,665
	Normal	1,850		Normal	1,850
	Plus	2,035		Plus	2,035
A	Minus	1,800	A	Minus	1,800
	Normal**	2,000		Normal**	2,000
	Plus	2,200		Plus	2,200

* @ 0.1 - 0.8 ESP
**Factory Default is "A" Plus



MODEL	SWITCH 1	SWITCH 2	ELECTRIC HEAT CFM	SPEED TAP
APH1624M41**	Off	Off	1,050	A
	On	Off	950	B
	Off	On	825	C
	On	On	700	D
APH1630M41**	Off	Off	1,250	A
	On	Off	1,100	B
	Off	On	1,000	C
	On	On	800	D
APH1636M41**	Off	Off	1,250	A
	On	Off	1,100	B
	Off	On	1,000	C
	On	On	800	D
APH1642M41**	Off	Off	1,800	A
	On	Off	1,700	B
	Off	On	1,400	C
	On	On	1,225	D
APH1648M41**	Off	Off	1,800	A
	On	Off	1,700	B
	Off	On	1,400	C
	On	On	1,225	D
APH1660M41**	Off	Off	2,000	A
	On	Off	1,850	B
	Off	On	1,600	C
	On	On	1,350	D

SWITCH 5	SWITCH 6	COOLING/HP CFM	SPEED TAP
Off	Off	1,050	A
On	Off	950	B
Off	On	825	C
On	On	700	D
Off	Off	1,250	A
On	Off	1,100	B
Off	On	1,000	C
On	On	800	D
Off	Off	1,250	A
On	Off	1,100	B
Off	On	1,000	C
On	On	800	D
Off	Off	1,800	A
On	Off	1,700	B
Off	On	1,400	C
On	On	1,225	D
Off	Off	1,800	A
On	Off	1,700	B
Off	On	1,400	C
On	On	1,225	D
Off	Off	2,000	A
On	Off	1,850	B
Off	On	1,600	C
On	On	1,350	D

Low-stage cool will be 70% of high-stage cool.

1	2	3	4	5	6	7	8
ECN: XXXXXX REV: A ZONE: XXXXX		DESCRIPTION		CHK ID: - GL: -		DATE	

Model	Dimensions			Chassis Size	
	W"	D"	H"	Med.	Large
APH1624M41	47	51	34 $\frac{3}{4}$	X	
APH1630M41	47	51	34 $\frac{3}{4}$	X	
APH1636M41	47	51	34 $\frac{3}{4}$	X	
APH1642M41	47	51	42 $\frac{3}{4}$		X
APH1648M41	47	51	42 $\frac{3}{4}$		X

Model	Dimensions	
	A	B
APH1624M41	32	16
APH1630M41	32	16
APH1636M41	32	16
APH1642M41	40	18
APH1648M41	40	18

Nextgen Air Conditioning Heating and Plumbing

APH16M

DATE: 10/11/10
 DRAWN BY: ENG:
 CHECKED BY: ENG:
 APPROVED BY: ENG:
 TOLERANCES:
 ANGLES: 1:1:1.5°
 SURF: 1:1:1.5°
 HOLE Ø: ±.015
 HOLE Ø: ±.005
 TUBE CUT TO: ±.003

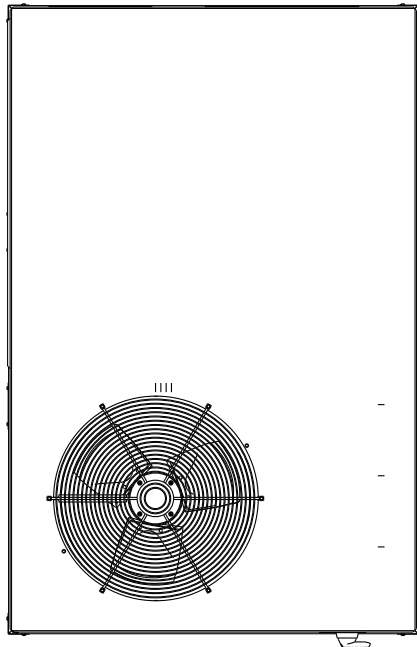
SPECIAL CHARACTERISTICS:

- ⊕ = 65 SIGMA
- ⊕ = CRITICAL CHARACTERISTIC
- ⊕ = SIGNIFICANT CHARACTERISTIC

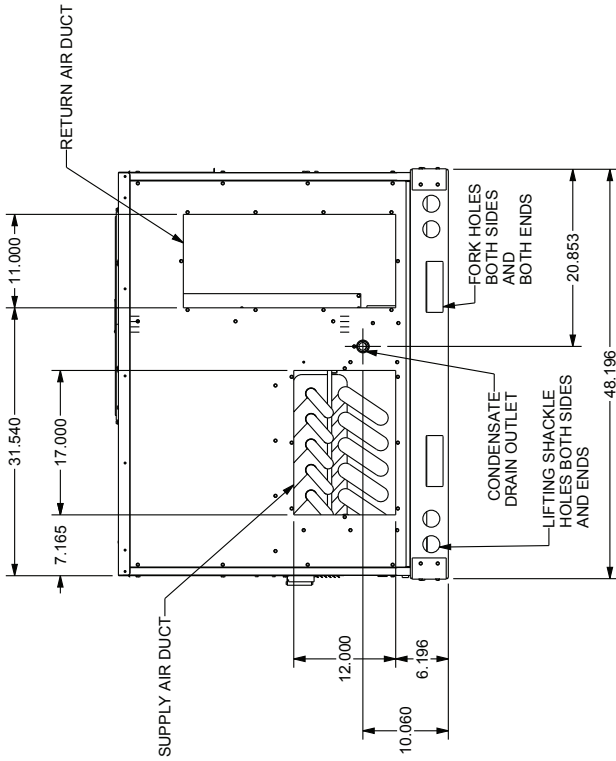
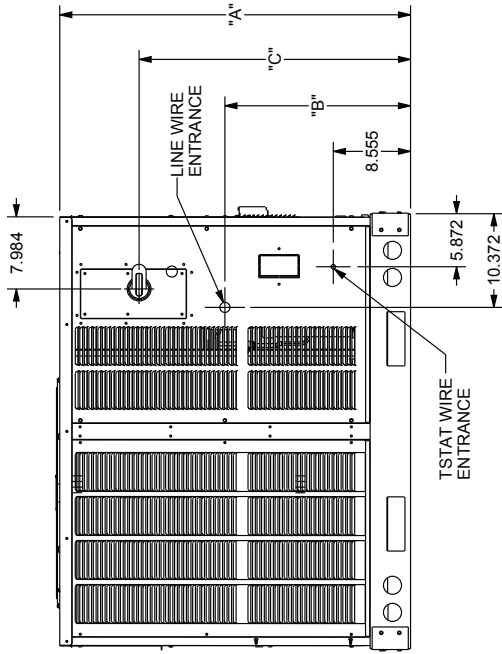
COMPONENTS AND MATERIALS SPECIFIED HEREIN WILL ALSO CONFORM TO THE APPLICABLE SECTION OF NEXGEN WSP 82401, WORKMANSHIP STANDARD FOR FIT, FEEL AND FINISH.

CONFIDENTIAL PROPERTY OF THE NEXGEN AIR CONDITIONING HEATING AND PLUMBING. NOT TO BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE EXCEPT AS AUTHORIZED IN WRITING. MUST BE RETURNED UPON DEMAND, ON COMPLETION OF ORDER, OR OTHER PURPOSE FOR WHICH IT WAS SILENT.

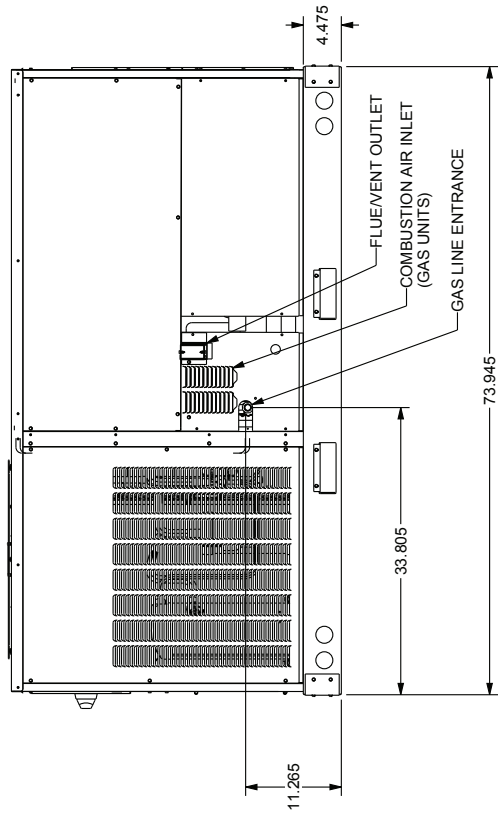
MODEL	A DIMENS	B DIMENS	C DIMENS
APH1660M41	42.840	20.555	30.055



TOP VIEW



RIGHT END VIEW

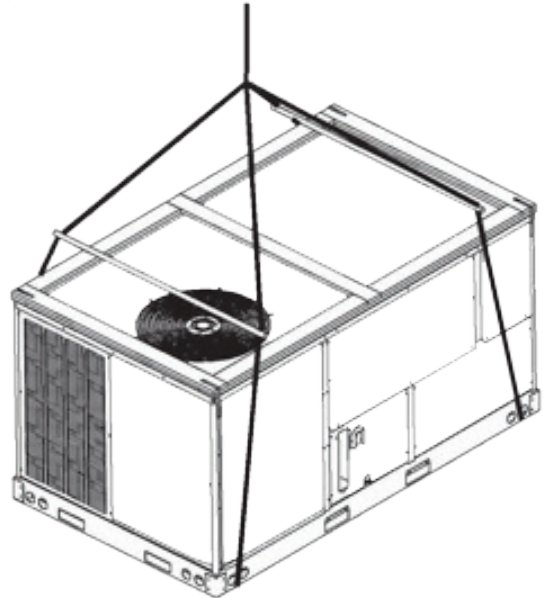


FRONT VIEW

ALL DIMENSIONS GIVEN ARE IN INCHES
ALL DIMENSIONS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

Provisions for forks have been included in the unit base frame. No other fork locations are approved.

- Unit must be lifted by the four lifting holes located at the base frame corners.
- Lifting cables should be attached to the unit with shackles.
- The distance between the crane hook and the top of the unit must not be less than 60”.
- Two spreader bars must span over the unit to prevent damage to the cabinet by the lift cables. Spreader bars must be of sufficient length so that cables do not come in contact with the unit during transport. Remove wood struts mounted beneath unit base frame before setting unit on roof curb. These struts are intended to protect unit base frame from fork lift damage. To remove the struts, extract the sheet metal retainers and pull the struts through the base of the unit. Refer to rigging label on the unit.



Important: If using bottom discharge with roof curb, duct-work should be attached to the curb prior to installing the unit. Duct-work dimensions are shown in Roof Curb Installation Instructions Manual.

Refer to the Roof Curb Installation Instructions for proper curb installation. Curbing must be installed in compliance with the National Roofing Contractors Association Manual.

Lower unit carefully onto roof mounting curb. While rigging the unit, the center of gravity will cause the condenser end to be lower than the supply air end.

Bring condenser end of unit into alignment with the curb. With condenser end of the unit resting on curb member and using curb as a fulcrum, lower opposite end of the unit until entire unit is seated on the curb. When a rectangular cantilever curb is used, take care to center the unit. Check for proper alignment and orientation of supply and return openings with duct.

To assist in determining rigging requirements, unit weights are shown on the following page.

Curb installations must comply with local codes and should follow the established guidelines of the National Roofing Contractors Association.

Proper unit installation requires that the roof curb be firmly and permanently attached to the roof structure. Check for adequate fastening method prior to setting the unit on the curb.

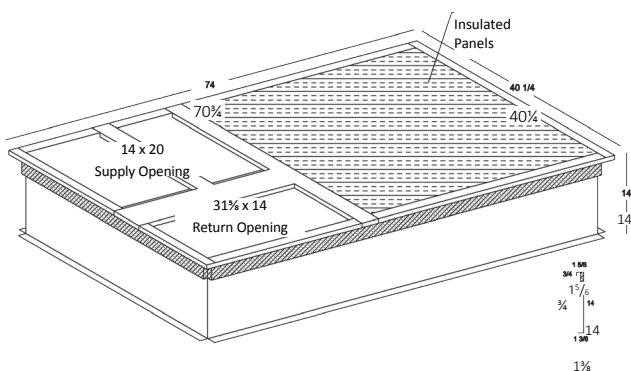
Full perimeter roof curbs are available from the factory and are shipped unassembled. The installing contractor is responsible for field assembly, squaring, leveling, and mounting on the roof structure. All required hardware necessary for the assembly of the sheet metal curb is included in the curb accessory package.

- Determine sufficient structural support before locating and mounting the curb and package unit.
- Duct-work must be constructed using industry guidelines. The duct-work must be placed into the roof curb before mounting the package unit. Our full perimeter curbs include duct connection frames to be assembled with the curb. Cantilevered-type curbs are not available from the factory.
- Contractor furnishes curb insulation, cant strips, flashing, and general roofing material.
- Support curbs on parallel sides with roof members. To prevent damage to the unit, the roof members cannot penetrate supply and return duct openings.

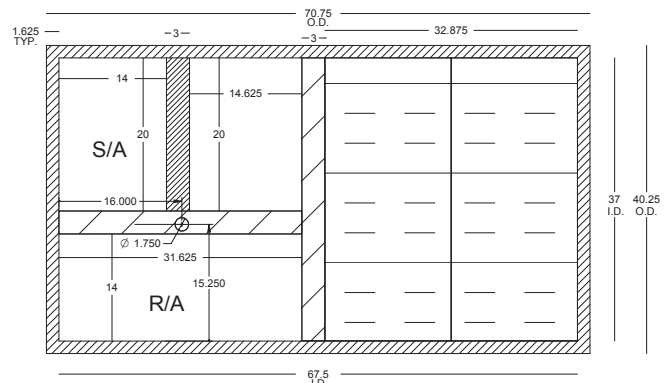
Note: The unit and curb accessories are designed to allow vertical duct installation before unit placement. Duct installation after unit placement is not recommended.

See the manual shipped with the roof curb for assembly and installation instructions.

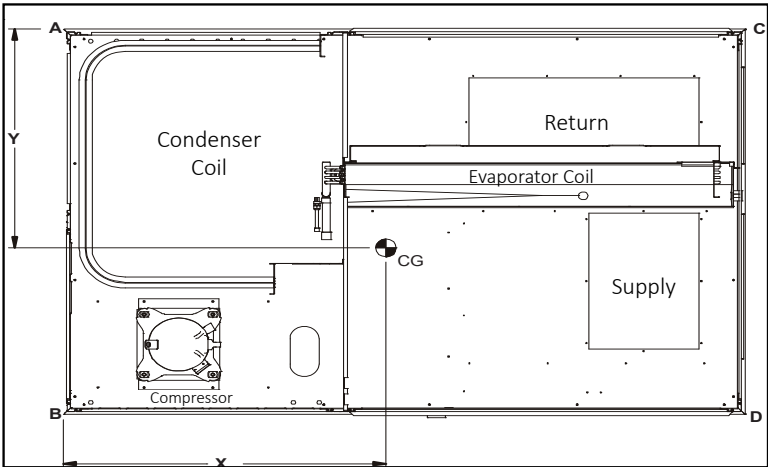
3-D VIEW



TOP VIEW



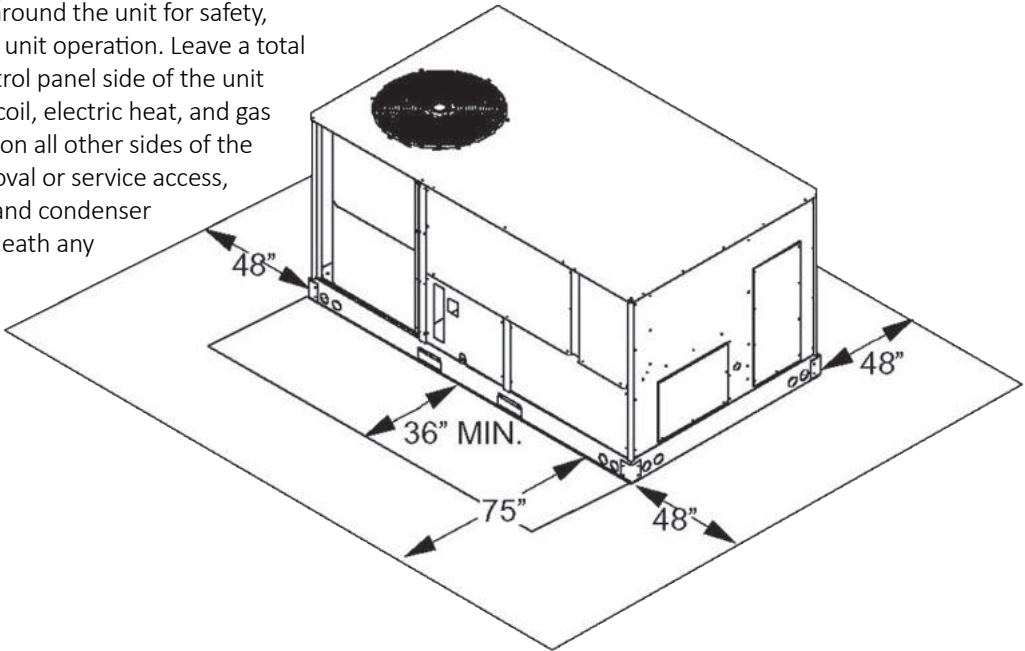
CORNER & CENTER-OF-GRAVITY LOCATIONS

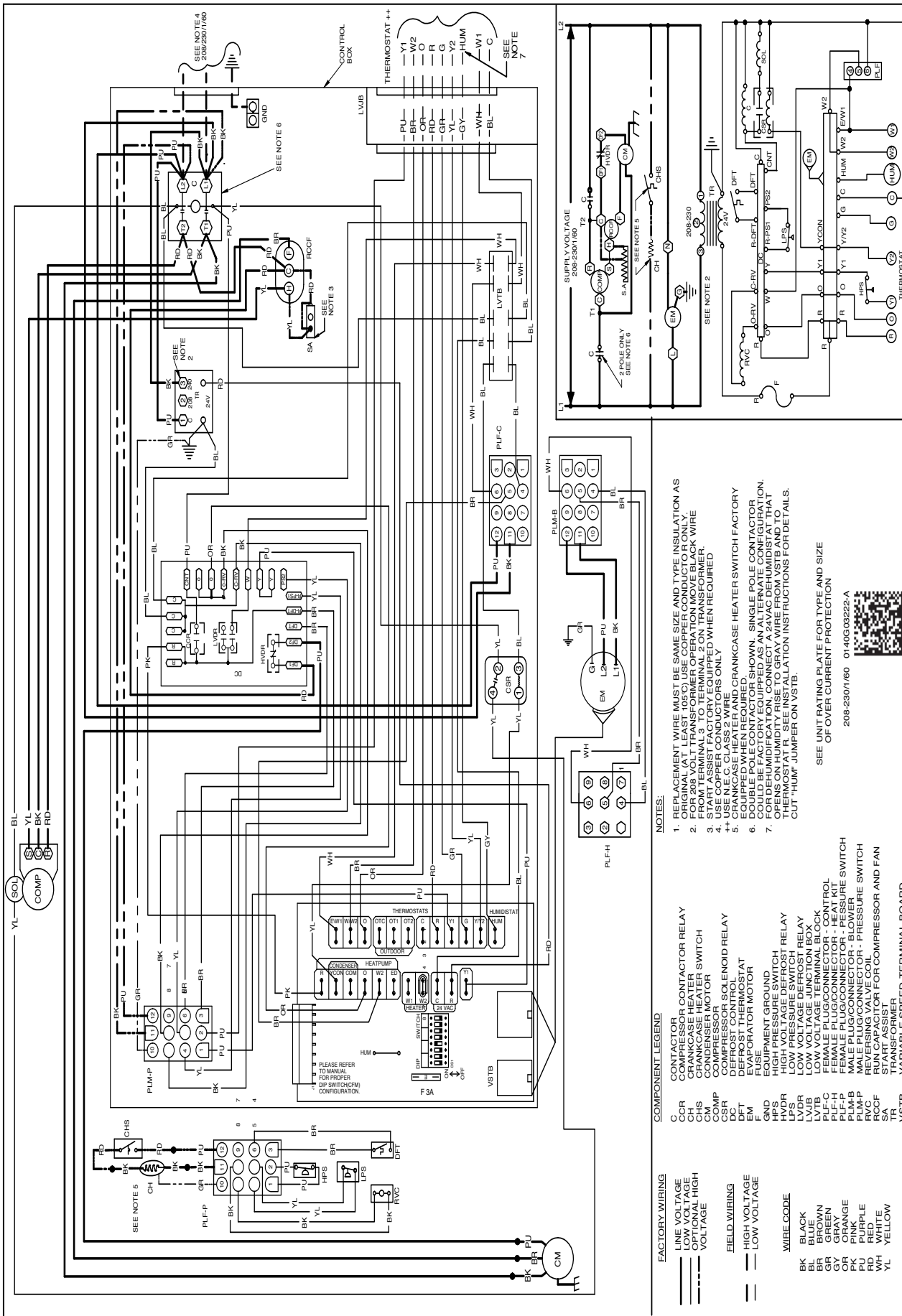


MODEL	X (IN)	Y (IN)	SHIPPING WEIGHT (LBS)	OPERATING WEIGHT (LBS)	CORNER WEIGHTS (LBS.)			
					A	B	C	D
APH1660M41**	40.0	25.1	612	583	204	113	72	194

UNIT CLEARANCES

Maintain an adequate clearance around the unit for safety, service, maintenance, and proper unit operation. Leave a total clearance of 75" on the main control panel side of the unit for possible removal of fan shaft, coil, electric heat, and gas furnace. Leave a clearance of 48" on all other sides of the unit for possible compressor removal or service access, and to ensure proper ventilation and condenser airflow. Do not install the unit beneath any obstruction. Install the unit away from all building exhausts to inhibit ingestion of exhaust air into the unit's fresh-air intake.





- NOTES:**
1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL. AT LEAST 105°C. USE COPPER CONDUCTOR ONLY.
 2. FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
 3. USE COPPER CONDUCTORS ONLY.
 4. USE N.E.C. CLASS 2 WIRE.
 5. CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION. FOR DEHUMIDIFICATION, CONNECT A 25VAC DEHUMIDISTAT THAT THERMOSTAT R. SEE INSTALLATION INSTRUCTIONS FOR DETAILS. CUT "HUM" JUMPER ON VSTB.

COMPONENT LEGEND:

C	COMPRESSOR
CCR	COMPRESSOR CONTACTOR RELAY
CH	CRANKCASE HEATER SWITCH
CHS	CONDENSER HEATER SWITCH
CM	CONDENSER MOTOR
COMP	COMPRESSOR
CSR	COMPRESSOR SOLENOID RELAY
DFT	DEFROST THERMOSTAT
EM	EVAPORATOR MOTOR
F	FUSE
FND	FAN
HVDR	HIGH VOLTAGE DEFROST RELAY
LPS	LOW PRESSURE SWITCH
LPT	LOW VOLTAGE DEFROST RELAY
LVB	LOW VOLTAGE TERMINAL BLOCK
LVTB	LOW VOLTAGE TERMINAL BLOCK
PLF-C	FEMALE PLUG/CONNECTOR - CONTROL
PLF-F	FEMALE PLUG/CONNECTOR - PRESSURE SWITCH
PLM-B	MALE PLUG/CONNECTOR - BLOWER
PLM-P	MALE PLUG/CONNECTOR - PRESSURE SWITCH
R	REVERSING VALVE COIL
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN
SA	START ASSIST
VSTB	VARIABLE SPEED TERMINAL BOARD

FACTORY WIRING:

---	LINE VOLTAGE
---	OPTIONAL HIGH VOLTAGE
---	FIELD WIRING
---	LOW VOLTAGE

WIRE CODE:

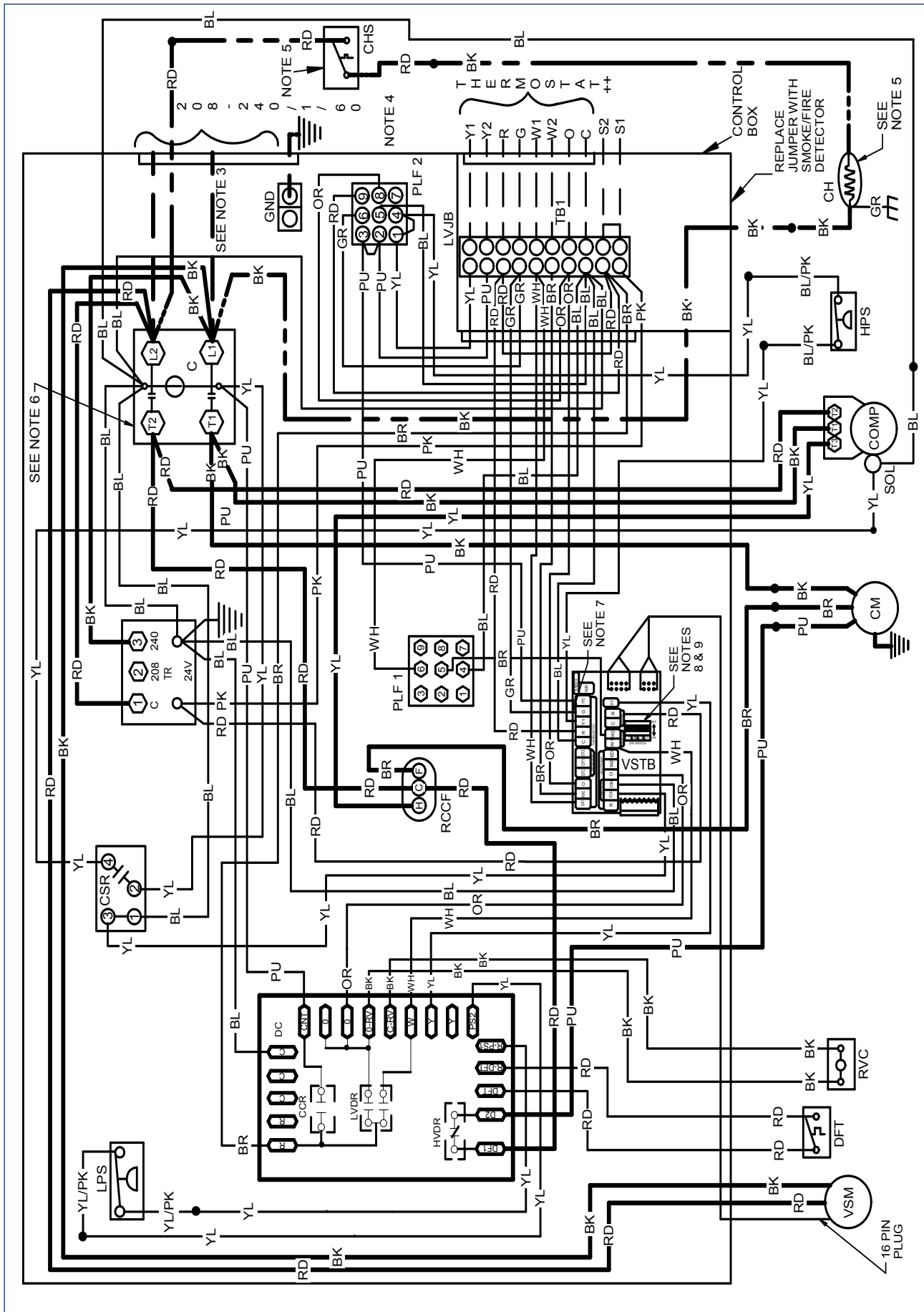
BK	BLACK
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION
208-230/160 0140G0222A



WARNING
High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

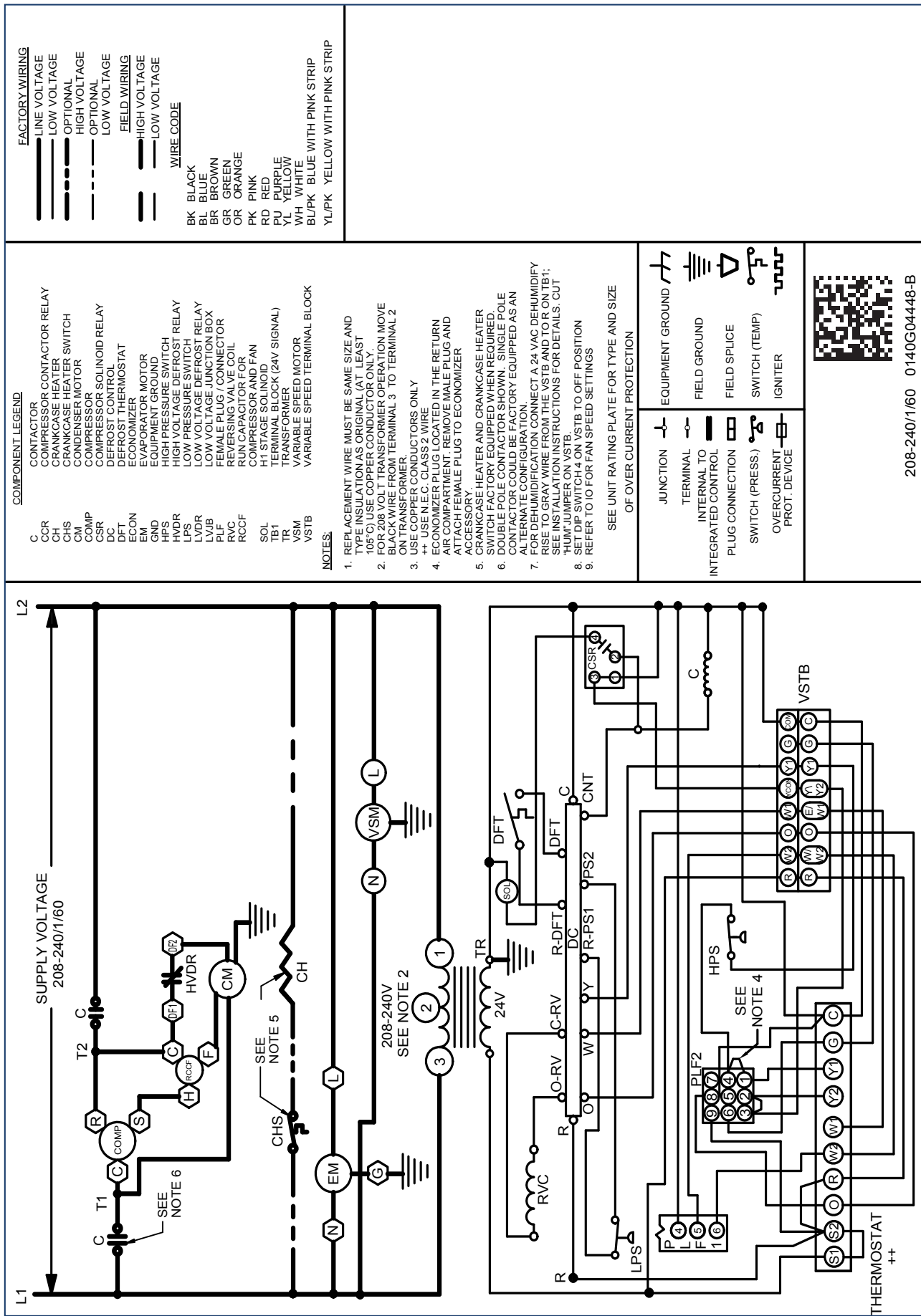
Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



COMPONENT LEGEND

C	CONTACTOR
CCR	COMPRESSOR CONTACTOR RELAY
CH	CRANKCASE HEATER
CHS	CRANKCASE HEATER SWITCH
CM	CONDENSER MOTOR
COMP	COMPRESSOR
CSR	COMPRESSOR SOLINOID RELAY
DFT	DEFROST CONTROL
DFT	DEFROST THERMOSTAT
ECON	ECONOMIZER
EM	EVAPORATOR MOTOR
EM	EQUIPMENT GROUND
HPS	HIGH PRESSURE SWITCH
HVDR	HIGH VOLTAGE DEFROST RELAY
LPS	LOW PRESSURE SWITCH
LVDR	LOW VOLTAGE DEFROST RELAY
LVJB	LOW VOLTAGE DEFROST RELAY JUNCTION BOX
PLF	FEMALE PLUG / CONNECTOR
RVC	REVERSING VALVE COIL
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN
SOL	H1 STAGE SOLINOID
TB1	TERMINAL BLOCK (24V SIGNAL)
TR	TRANSFORMER
VSM	VARIABLE SPEED MOTOR
VSTB	VARIABLE SPEED TERMINAL BLOCK

- NOTES:**
1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
 2. FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
 3. USE COPPER CONDUCTORS ONLY
 4. ++ USE N.E.C. CLASS 2 WIRE
 5. ECONOMIZER PLUG LOCATED IN THE RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO ECONOMIZER ACCESSORY.
 6. CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED. DOUBLE POLE COIL TO BE SHOWN. SINGLE POLE ALTERNATE CONFIGURATION.
 7. FOR DEHUMIDIFICATION CONNECT A 24 VAC DEHUMIDIFY RISE TO GRAY WIRE FROM THE VSTB AND TO R ON TB1. SEE INSTALLATION INSTRUCTIONS FOR DETAILS. CUT "HUM" JUMPER ON VSTB.
 8. SET DIP SWITCH 4 ON VSTB TO OFF POSITION
 9. REFER TO IO FOR FAN SPEED SETTINGS

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

JUNCTION	EQUIPMENT GROUND
TERMINAL	FIELD GROUND
INTERNAL TO INTEGRATED CONTROL	FIELD SPLICE
PLUG CONNECTION	SWITCH (TEMP)
SWITCH (PRESS.)	IGNITER
OVERCURRENT PROT. DEVICE	

208-240/1/60 0140G04448-B

FACTORY WIRING

—	LINE VOLTAGE
—	LOW VOLTAGE
—	OPTIONAL HIGH VOLTAGE
—	OPTIONAL LOW VOLTAGE
—	FIELD WIRING
—	HIGH VOLTAGE
—	LOW VOLTAGE

WIRE CODE

BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
RD	RED
PU	PURPLE
YL	YELLOW
WH	WHITE
BL/PK	BLUE WITH PINK STRIP
YL/PK	YELLOW WITH PINK STRIP

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

FOR THE APH1624-48M41 UNITS**

ACCESSORY DESCRIPTION	ITEM NUMBER	
	MEDIUM CHASSIS	LARGE CHASSIS
Concentric Kit	CDK36	CDK4872
Downflow Economizer	GPJMED102	GPJMED103
Downflow Internal Filter Rack	DDNIFRPCHMM	DDNIFRPCHML
Downflow Manual Damper	PGMDD101/102	PGMDD103
Downflow Motorized Damper	PGMDMD101/102	PGMDMD103
Downflow Square to Round	SQRPG101/102	SQRPG103
Economizer Wiring Harness	O259L00411	O259L00411
External Horizontal Filter Rack	DPHFRA	DPHFRA
Horizontal Duct Cover	20464501PDGK	20464502PDGK
Horizontal Economizer	DHZECNJPCHM	DHZECNJPCHL
Horizontal Manual Damper	PGMDH102	PGMDH103
Horizontal Motorized Damper	PGMDMH102	PGMDMH103
Horizontal Square to Round	SQRPGH102	SQRPGH103
Outdoor Thermostat & Emergency Heat Relay Kit	OT/EHR18-60	OT/EHR18-60
Outdoor Thermostat Kit w/ Lockout Stat	OT18-60A	OT18-60A
Outdoor Thermostat Kit (Used only with APH1624M41 and APH1630M41 models)	OTHPPKG-01	N/A
Roof Curb	D14CRBPGCHMA	D14CRBPGCHMA

FOR THE APH1660M41 UNITS**

DAIKIN MASTER ITEM #	DESCRIPTION
14CURB3672	14" Roof Curb
D25FD3672	25% Manual Fresh Air Damper
D25MFD3672	25% Motorized Fresh Air Damper
CDK4872	Concentric Duct Kit
DDNECNJ3672B	Low-leak Downflow Economizer
DDNECNJ3672NR	Downflow Economizer w/o Barometric Relief
DDNSQRD487218	Downflow Square-to-Round Adapter (18" Round)
DHZECN3672	Horizontal Economizer
GHRC-1	Hurricane Restraint Clips
DBRD3672	Barometric Relief Damper
EHK1-(10, 15, 20)	Electric Heat Kits
FSK01A	Freeze Stat Kit
GHRC-1	Hurricane Restraint Clips
LAKT01	Low-Ambient Kit

SINGLE-POINT KIT ACCESSORY KITS

Select the single-point kit accessory based on the unit model.

MODEL	SINGLE-POINT KIT
APH1624M41**	SPK-30
APH1630M41**	SPK-35
APH1636M41**	SPK-40
APH1642M41**	SPK-45
APH1648M41**	SPK-50
APH1660M41**	SPKT01/02

