



APH13H

PACKAGED HEAT PUMP

13 SEER / R-410A

2 TO 5 TONS

COOLING CAPACITY: 24,000 - 57,500 BTU/H

HEATING CAPACITY: 22,000 - 54,500 BTU/H

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Standard Features

- Energy-efficient compressor with internal relief valve
- PSC blower motor; EEM blower motor on 5-ton units
- Quiet horizontal discharge
- Copper tube/aluminum fin coil
- Totally enclosed, permanently lubricated condenser fan motor
- Fully charged system
- Electric heat kit available as a field-installed option
- AHRI Certified; ETL Listed

Cabinet Features

- Heavy-gauge galvanized-steel cabinet with attractive Architectural Gray powder-paint finish
- Fully insulated blower compartment with convenient access panels
- Louvered condenser coil protection
- One footprint; three heights



* Complete warranty details available from your local dealer or at www.amana-hac.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec.

NOMENCLATURE

	A	P	H	13	36	H	4	1	*	*	
	1	2	3	4,5	6,7	8	9	10	11	12	
Brand	A Amana® Brand									Engineering	
										Minor Revision	
Product Category	P Packaged Unit									Engineering	
										Major Revision	
Type	C Air Conditioner H Heat Pump									Voltage Designator	
										1 208-230/1/60	
										3 208-230/3/60	
										4 460/3/60	
Efficiency	13 13 SEER 15 15 SEER									Refrigerant	
										4 R-410A	
Nominal Capacity	24 2 Tons 42 3½ Tons 30 2½ Tons 48 4 Tons 36 3 Tons 60 5 Tons									Configuration	
										H Horizontal	
										M Multi-position	



SPECIFICATIONS

	APH13 24H41C*	APH13 30H41C*	APH13 36H41C*	APH13 42H41C*	APH13 48H41D*	APH13 60H41D*
COOLING CAPACITY						
Total BTU/h	24,000	28,000	35,000	40,500	46,000	57,500
Sensible BTU/h	19,200	22,300	26,400	29,400	35,700	42,700
SEER / EER	13.0 / 11.0	13.0 / 11.0	13.0 / 11.0	13.0 / 11.0	13.0 / 11.0	13.0 / 11.0
Decibels	76	76	78	78	80	80
AHRI Numbers	6682972	6682973	6682974	6682975	6682976	6682977
HEATING CAPACITY						
BTU/h (47°F)	22,000	27,400	33,600	38,000	44,500	54,500
C.O.P. (47°F)	3.4	3.4	3.4	3.6	3.6	3.6
BTU/h (17°F)	14,000	15,800	18,000	21,800	26,000	32,000
C.O.P. (17°F)	2.4	2.1	2.4	2.2	2.4	2.4
HSPF	7.7	7.7	7.7	7.7	7.7	7.7
EVAPORATOR MOTOR						
Type	DD	DD	DD	DD	DD	EEM
Wheel (D x W)	9 x 6	9 x 6	9 x 8	10 x 8	10 x 8	11 x 8
Nominal Cooling CFM	850	1,050	1,200	1,400	1,600	1,850
RLA / LRA	1.5 / 2.2	1.86 / 3.2	1.86 / 3.2	2.87 / 4.9	2.87 / 4.9	5.8 / -
No. of Speeds	3	3	3	3	3	5
Horsepower - RPM	¼ - 952	¼ - 1,020	¼ - 1,020	¼ - 1,050	¼ - 1,005	¼ - 1,005/Var
EVAPORATOR COIL						
Face Area (ft ²)	5.2	5.2	6.2	6.2	6.2	7.0
Rows Deep / Fins per Inch	3 / 14	3 / 14	4 / 14	4 / 14	4 / 14	4 / 14
Filter Size (ft ²)	20 x 20 x 1	20 x 25 x 1	25 x 25 x 1	(2) 20 x 20 x 1	(2) 20 x 20 x 1	(2) 20 x 25 x 1
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	105	105	120	140	170	170
CONDENSER FAN / COIL						
Horsepower - RPM	1/6 - 815	1/6 - 815	¼ - 830	¼ - 1075	¼ - 1075	¼ - 1075
RLA/LRA	1.1 / 1.7	1.1 / 1.7	1.5 / 3.0	1.4 / 2.9	1.4 / 2.9	1.4 / 2.9
Fan Diameter / # Fan Blades	22 / 3	22 / 3	22 / 4	22 / 4	22 / 4	22 / 4
Face Area (ft ²)	13.4	13.4	17	17	19.1	19.1
Rows Deep/ Fins per Inch	1 / 24	1 / 24	1 / 24	1 / 24	2 / 16	2 / 16
COMPRESSOR						
Quantity / Type	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll
Stage	Single	Single	Single	Single	Single	Single
Compressor RLA / LRA	12.8 / 58.3	14.1 / 73	16.7 / 79	17.9 / 112	19.9 / 109	26.4 / 134
ELECTRICAL DATA						
Voltage-Phase (60 Hz)	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1
Indoor Blower FLA	1.5	1.86	1.86	2.87	2.87	5.8
Outdoor Fan RLA	1.1	1.1	1.5	1.4	1.4	1.4
Total Unit Amps	15.4	17.06	20.06	22.2	24.17	33.6
Min. Circuit Ampacity ¹	18.6	20.6	24.2	26.6	29.2	40.2
Max. Overcurrent Protection ²	30	30	40	40	45	60
SHIP WEIGHT (LBS)	325	325	385	385	415	415

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

² Must use time-delay 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.

EXPANDED COOLING DATA — APH1324H41**

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	980	MBh	23.5	24.4	26.7	-	23.0	23.8	26.1	-	22.4	23.2	25.5	-	21.9	22.7	24.8	-	20.8	21.5	23.6	-	19.3	20.0	21.9	-
		S/T	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.91	0.76	0.53	-	0.92	0.77	0.53	-
		ΔT	18	15	12	-	18	15	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-
	875	kW	1.71	1.74	1.80	-	1.83	1.87	1.93	-	1.95	1.99	2.05	-	2.05	2.09	2.16	-	2.13	2.18	2.25	-	2.20	2.25	2.32	-
		Amps	7.2	7.4	7.6	-	7.7	7.9	8.1	-	8.3	8.5	8.8	-	8.8	9.0	9.3	-	9.3	9.5	9.8	-	9.8	10.0	10.3	-
		Hi PR	242	260	275	-	271	292	308	-	308	332	350	-	351	378	399	-	395	425	449	-	436	470	496	-
	770	Lo PR	112	119	130	-	118	126	137	-	123	131	143	-	129	137	150	-	135	144	157	-	140	149	163	-
		MBh	22.8	23.7	25.9	-	22.3	23.1	25.3	-	21.8	22.6	24.7	-	21.2	22.0	24.1	-	20.2	20.9	22.9	-	18.7	19.4	21.2	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
	770	ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		kW	1.69	1.73	1.78	-	1.82	1.86	1.92	-	1.93	1.97	2.03	-	2.03	2.07	2.14	-	2.11	2.16	2.23	-	2.18	2.23	2.31	-
		Amps	7.2	7.3	7.5	-	7.7	7.8	8.1	-	8.3	8.4	8.7	-	8.8	8.9	9.2	-	9.3	9.5	9.7	-	9.7	10.0	10.3	-
770	Hi PR	239	257	272	-	268	289	305	-	305	328	347	-	348	374	395	-	391	421	444	-	432	465	491	-	
	Lo PR	111	118	129	-	117	125	136	-	122	130	141	-	128	136	149	-	134	143	156	-	139	148	161	-	
	MBh	21.7	22.5	24.6	-	21.2	22.0	24.1	-	20.7	21.4	23.5	-	20.2	20.9	22.9	-	19.2	19.9	21.8	-	17.8	18.4	20.2	-	
770	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-	
	ΔT	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-	
	kW	1.67	1.70	1.75	-	1.79	1.83	1.89	-	1.90	1.94	2.00	-	2.00	2.04	2.10	-	2.08	2.12	2.19	-	2.15	2.20	2.27	-	
770	Amps	7.1	7.2	7.4	-	7.6	7.7	7.9	-	8.1	8.3	8.5	-	8.6	8.8	9.1	-	9.1	9.3	9.6	-	9.6	9.8	10.1	-	
	Hi PR	234	252	266	-	263	283	299	-	299	322	340	-	341	367	387	-	383	412	436	-	423	456	481	-	
	Lo PR	109	116	126	-	115	122	133	-	119	127	139	-	125	133	146	-	131	140	153	-	136	145	158	-	
75	980	MBh	23.9	24.6	26.7	28.6	23.4	24.1	26.0	27.9	22.8	23.5	25.4	27.3	22.2	22.9	24.8	26.6	21.1	21.8	23.6	25.3	19.6	20.2	21.8	23.4
		S/T	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	1.00	0.89	0.68	0.44	1.00	0.93	0.70	0.45	1.00	0.94	0.71	0.46
		ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	20	19	16	11	18	18	14
	875	kW	1.72	1.76	1.81	1.87	1.85	1.89	1.95	2.01	1.96	2.00	2.07	2.13	2.06	2.11	2.17	2.25	2.15	2.19	2.27	2.34	2.22	2.27	2.34	2.42
		Amps	7.3	7.5	7.7	7.9	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	8.9	9.1	9.4	9.7	9.4	9.6	9.9	10.2	9.9	10.1	10.4	10.8
		Hi PR	244	263	277	289	274	295	311	325	311	335	354	369	355	382	403	420	399	429	453	473	441	474	501	523
	770	Lo PR	113	120	131	140	120	127	139	148	124	132	144	154	131	139	152	161	137	146	159	169	142	151	164	175
		MBh	23.2	23.9	25.9	27.8	22.7	23.4	25.3	27.1	22.1	22.8	24.7	26.5	21.6	22.2	24.1	25.8	20.5	21.1	22.9	24.5	19.0	19.6	21.2	22.7
		S/T	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.92	0.83	0.63	0.40	0.95	0.85	0.65	0.42	0.99	0.88	0.67	0.43	1.00	0.89	0.68	0.43
	770	ΔT	21	20	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		kW	1.71	1.74	1.80	1.85	1.83	1.87	1.93	1.99	1.95	1.99	2.05	2.12	2.05	2.09	2.16	2.23	2.13	2.18	2.25	2.32	2.20	2.25	2.32	2.40
		Amps	7.2	7.4	7.6	7.8	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.0	8.8	9.0	9.3	9.6	9.3	9.5	9.8	10.2	9.8	10.0	10.3	10.7
770	Hi PR	242	260	275	286	271	292	308	321	308	332	350	365	351	378	399	416	395	425	449	468	437	470	496	517	
	Lo PR	112	119	130	139	118	126	138	146	123	131	143	152	129	138	150	160	135	144	157	168	140	149	163	173	
	MBh	22.1	22.7	24.6	26.4	21.5	22.2	24.0	25.8	21.0	21.7	23.4	25.2	20.5	21.1	22.9	24.5	19.5	20.1	21.7	23.3	18.1	18.6	20.1	21.6	
770	S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.38	0.88	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.85	0.65	0.42	
	ΔT	22	20	17	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	11	21	19	16	11	
	kW	1.68	1.72	1.77	1.82	1.81	1.84	1.90	1.96	1.92	1.96	2.02	2.08	2.01	2.06	2.12	2.19	2.10	2.14	2.21	2.28	2.17	2.21	2.29	2.36	
770	Amps	7.1	7.3	7.5	7.7	7.6	7.8	8.0	8.3	8.2	8.4	8.6	8.9	8.7	8.9	9.1	9.4	9.2	9.4	9.7	10.0	9.7	9.9	10.2	10.5	
	Hi PR	237	255	269	281	266	286	302	315	302	325	343	358	344	370	391	408	387	417	440	459	428	460	486	507	
	Lo PR	110	117	128	136	116	123	135	144	121	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ACCA (TVA) conditions
 kW = Total system power
 Amps = outdoor unit amps (comp. + fan)

EXPANDED COOLING DATA — APH1324H41** (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT 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
80	MBh	24.3	24.9	26.6	28.4	23.8	24.3	26.0	27.7	23.2	23.7	25.3	27.1	22.6	23.1	24.7	26.4	21.5	22.0	23.5	25.1	21.5	22.0	23.5	25.1
	S/T	1.00	0.94	0.76	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.84	0.63	1.00	1.00	0.87	0.65	1.00	1.00	0.87	0.65
	ΔT	23	22	19	15	22	23	19	15	22	22	19	15	21	22	19	16	20	21	19	15	20	21	19	15
	kW	1.73	1.77	1.82	1.88	1.86	1.90	1.96	2.03	1.98	2.02	2.08	2.15	2.08	2.12	2.19	2.26	2.17	2.21	2.28	2.36	2.24	2.29	2.36	2.44
	Amps	7.4	7.5	7.7	8.0	7.9	8.0	8.3	8.5	8.5	8.6	8.9	9.2	9.0	9.2	9.4	9.8	9.5	9.7	10.0	10.3	10.0	10.2	10.5	10.9
980	MBh	24.6	26.5	28.0	29.2	27.7	29.8	31.4	32.8	31.5	33.9	35.7	37.3	35.8	38.6	40.7	42.5	40.3	43.4	45.8	47.8	44.5	47.9	50.6	52.8
	Hi PR	114	122	133	141	121	129	140	149	126	134	146	155	132	140	153	163	138	147	161	171	143	152	166	177
	Lo PR	23.6	24.1	25.8	27.6	23.1	23.6	25.2	26.9	22.5	23.0	24.6	26.3	22.0	22.5	24.0	25.7	20.9	21.3	22.8	24.4	19.3	19.8	21.1	22.6
	S/T	0.95	0.89	0.73	0.54	0.99	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.98	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.62
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	22	22	20	16	20	21	19	15
770	kW	1.72	1.76	1.81	1.87	1.85	1.89	1.95	2.01	1.96	2.00	2.07	2.14	2.06	2.11	2.18	2.25	2.15	2.19	2.27	2.34	2.22	2.27	2.34	2.42
	Amps	7.3	7.5	7.7	7.9	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	8.9	9.1	9.4	9.7	9.4	9.6	9.9	10.2	9.9	10.1	10.4	10.8
	Hi PR	244	263	277	289	274	295	311	325	311	335	354	369	355	382	403	420	399	429	453	473	441	474	501	523
	Lo PR	113	120	131	140	120	127	139	148	124	132	144	154	131	139	152	162	137	146	159	169	142	151	164	175
	Lo PR	22.5	22.9	24.5	26.2	21.9	22.4	23.9	25.6	21.4	21.9	23.4	25.0	20.9	21.3	22.8	24.4	19.8	20.3	21.7	23.2	18.4	18.8	20.1	21.4
85	MBh	24.8	25.2	26.4	28.2	24.2	24.7	25.8	27.6	23.6	24.1	25.2	26.9	23.0	23.5	24.6	26.2	21.9	22.3	23.4	24.9	20.3	20.7	21.6	23.1
	S/T	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.97	0.79	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
	ΔT	23	24	23	20	23	23	23	20	22	23	23	20	22	22	23	20	21	21	22	20	19	19	20	18
	kW	1.75	1.78	1.84	1.90	1.88	1.92	1.98	2.04	1.99	2.04	2.10	2.17	2.10	2.14	2.21	2.28	2.18	2.23	2.30	2.38	2.26	2.31	2.38	2.46
	Amps	7.4	7.6	7.8	8.0	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.0	9.2	9.5	9.8	9.6	9.8	10.1	10.4	10.1	10.3	10.6	11.0
980	MBh	24.0	24.5	25.7	27.4	23.5	23.9	25.1	26.8	22.9	23.4	24.5	26.1	22.4	22.8	23.9	25.5	21.2	21.7	22.7	24.2	19.7	20.1	21.0	22.4
	S/T	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
	ΔT	25	25	23	20	25	25	24	21	24	25	24	21	24	24	24	21	22	23	24	20	21	21	22	19
	kW	1.73	1.77	1.82	1.88	1.86	1.90	1.96	2.03	1.98	2.02	2.08	2.15	2.08	2.12	2.19	2.26	2.17	2.21	2.28	2.36	2.24	2.29	2.36	2.44
	Amps	7.4	7.5	7.7	8.0	7.9	8.0	8.3	8.5	8.5	8.6	8.9	9.2	9.0	9.2	9.4	9.8	9.5	9.7	10.0	10.3	10.0	10.2	10.5	10.9
770	MBh	24.6	26.5	28.0	29.2	27.7	29.8	31.4	32.8	31.5	33.9	35.7	37.3	35.8	38.6	40.7	42.5	40.3	43.4	45.8	47.8	44.5	47.9	50.6	52.8
	Hi PR	114	122	133	141	121	129	140	149	126	134	146	155	132	140	153	163	138	147	161	171	143	152	166	177
	Lo PR	22.8	23.3	24.4	26.0	22.3	22.7	23.8	25.4	21.8	22.2	23.3	24.8	21.2	21.7	22.7	24.2	20.2	20.6	21.6	23.0	18.7	19.1	20.0	21.3
	S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	1.00	0.78
	ΔT	26	26	24	21	26	26	25	22	26	26	25	22	25	26	25	22	24	25	24	21	22	23	23	20
85	kW	1.71	1.74	1.80	1.85	1.83	1.87	1.93	1.99	1.95	1.99	2.05	2.12	2.05	2.09	2.16	2.23	2.13	2.18	2.25	2.32	2.20	2.25	2.32	2.40
	Amps	7.2	7.4	7.6	7.8	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.0	8.8	9.0	9.3	9.6	9.3	9.5	9.8	10.2	9.8	10.0	10.3	10.7
	Hi PR	242	260	275	286	271	292	308	321	308	332	350	365	351	378	399	416	395	425	449	468	436	470	496	517
	Lo PR	112	119	130	139	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	168	140	149	163	173
	Lo PR	22.5	22.9	24.5	26.2	21.9	22.4	23.9	25.6	21.4	21.9	23.4	25.0	20.9	21.3	22.8	24.4	19.8	20.3	21.7	23.2	18.4	18.8	20.1	21.4

kW = Total system power
Amps = outdoor unit amps (comp.+fan)

Shaded area reflects AHRI conditions

IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.

EXPANDED COOLING DATA — APH1330H41**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																																																																							
		65°F						75°F						85°F						95°F						105°F						115°F																																									
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79																																				
70	MBh	27.6	28.6	31.4	-	27.0	28.0	30.7	-	26.3	27.3	29.9	-	25.7	26.6	29.2	-	24.4	25.3	27.7	-	22.6	23.4	25.7	-	24.4	25.3	27.7	-	22.6	23.4	25.7	-	24.4	25.3	27.7	-	22.6	23.4	25.7	-	24.4	25.3	27.7	-	22.6	23.4	25.7	-	24.4	25.3	27.7	-	22.6	23.4	25.7	-	24.4	25.3	27.7	-	22.6	23.4	25.7	-								
	S/T	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.85	0.71	0.49	-	0.87	0.73	0.51	-	0.91	0.76	0.52	-	0.91	0.76	0.53	-	0.91	0.76	0.52	-	0.91	0.76	0.53	-	0.91	0.76	0.52	-	0.91	0.76	0.53	-	0.91	0.76	0.52	-	0.91	0.76	0.53	-	0.91	0.76	0.52	-	0.91	0.76	0.53	-	0.91	0.76	0.52	-	0.91	0.76	0.53	-	0.91	0.76	0.52	-	0.91	0.76	0.53	-
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	18	15	11	-	17	15	11	-	16	14	11	-	17	15	11	-	16	14	11	-	17	15	11	-	16	14	11	-	17	15	11	-	16	14	11	-	17	15	11	-	16	14	11	-	17	15	11	-	16	14	11	-	17	15	11	-	16	14	11	-
	kW	2.03	2.07	2.13	-	2.18	2.22	2.29	-	2.31	2.36	2.43	-	2.43	2.48	2.56	-	2.53	2.58	2.66	-	2.61	2.67	2.75	-	2.53	2.58	2.66	-	2.61	2.67	2.75	-	2.53	2.58	2.66	-	2.61	2.67	2.75	-	2.53	2.58	2.66	-	2.61	2.67	2.75	-	2.53	2.58	2.66	-	2.61	2.67	2.75	-	2.53	2.58	2.66	-	2.61	2.67	2.75	-	2.53	2.58	2.66	-	2.61	2.67	2.75	-
	HI PR	247	265	280	-	277	298	314	-	315	339	358	-	358	386	407	-	403	434	458	-	446	479	506	-	403	434	458	-	446	479	506	-	403	434	458	-	446	479	506	-	403	434	458	-	446	479	506	-	403	434	458	-	446	479	506	-	403	434	458	-	446	479	506	-	403	434	458	-	446	479	506	-
Lo PR	112	119	130	-	118	126	137	-	123	131	143	-	129	137	150	-	135	144	157	-	140	149	162	-	135	144	157	-	140	149	162	-	135	144	157	-	140	149	162	-	135	144	157	-	140	149	162	-	135	144	157	-	140	149	162	-	135	144	157	-	140	149	162	-									

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																																																																							
		65°F						75°F						85°F						95°F						105°F						115°F																																									
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79																																				
75	MBh	28.1	28.9	31.3	33.6	27.4	28.3	30.6	32.8	26.0	26.8	29.0	31.1	25.4	26.13	28.3	30.4	24.1	24.8	26.9	28.8	22.3	23.0	24.9	26.7	24.1	24.8	26.9	28.8	22.3	23.0	24.9	26.7	24.1	24.8	26.9	28.8	22.3	23.0	24.9	26.7	24.1	24.8	26.9	28.8	22.3	23.0	24.9	26.7	24.1	24.8	26.9	28.8	22.3	23.0	24.9	26.7	24.1	24.8	26.9	28.8	22.3	23.0	24.9	26.7	24.1	24.8	26.9	28.8	22.3	23.0	24.9	26.7
	S/T	0.91	0.81	0.61	0.39	0.94	0.84	0.64	0.41	0.96	0.86	0.65	0.42	0.95	0.85	0.64	0.41	0.98	0.88	0.67	0.43	0.99	0.89	0.67	0.43	0.95	0.85	0.64	0.41	0.98	0.88	0.67	0.43	0.95	0.85	0.64	0.41	0.98	0.88	0.67	0.43	0.95	0.85	0.64	0.41	0.98	0.88	0.67	0.43	0.95	0.85	0.64	0.41	0.98	0.88	0.67	0.43	0.95	0.85	0.64	0.41	0.98	0.88	0.67	0.43								
	ΔT	20	18	15	10	20	18	15	10	20	19	15	10	20	19	15	10	21	19	16	11	21	20	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11																
	kW	2.04	2.09	2.15	2.22	2.20	2.24	2.31	2.38	2.45	2.33	2.38	2.45	2.53	2.43	2.48	2.56	2.64	2.53	2.58	2.66	2.75	2.61	2.67	2.75	2.53	2.58	2.66	2.75	2.61	2.67	2.75	2.85	2.53	2.58	2.66	2.75	2.61	2.67	2.75	2.85	2.53	2.58	2.66	2.75	2.61	2.67	2.75	2.85	2.53	2.58	2.66	2.75	2.61	2.67	2.75	2.85																
	HI PR	249	268	283	295	280	301	318	331	318	342	361	377	362	390	411	429	450	407	438	463	483	450	484	511	533	407	438	463	483	450	484	511	533	407	438	463	483	450	484	511	533	407	438	463	483	450	484	511	533	407	438	463	483	450	484	511	533															
Lo PR	113	120	131	140	119	127	139	148	124	132	144	153	130	139	151	161	136	145	158	169	141	150	164	175	136	145	158	169	141	150	164	175	136	145	158	169	141	150	164	175	136	145	158	169	141	150	164	175																									

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ACCA (TVA) conditions
 kW = Total system power
 Amps = outdoor unit amps (comp.+fan)

EXPANDED COOLING DATA — APH1336H41**

IDB		OUTDOOR AMBIENT 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
1350	MBh	34.3	35.5	38.9	-	33.5	34.7	38.0	-	32.7	33.9	37.1	-	31.9	33.1	36.2	-	30.3	31.4	34.4	-	28.1	29.1	31.9	-
	S/T	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.81	0.67	0.47	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.87	0.73	0.50	-
	ΔT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-
	kW	2.61	2.66	2.74	-	2.80	2.85	2.94	-	2.96	3.02	3.12	-	3.11	3.18	3.27	-	3.23	3.30	3.41	-	3.34	3.41	3.52	-
	Amps	11.1	11.3	11.6	-	11.8	12.1	12.4	-	12.7	13.0	13.3	-	13.4	13.7	14.1	-	14.2	14.5	14.9	-	14.9	15.2	15.7	-
	Hi PR	247	266	281	-	277	298	315	-	315	339	358	-	359	387	408	-	404	435	459	-	446	480	507	-
Lo PR	110	117	128	-	116	124	135	-	121	129	140	-	127	135	148	-	133	142	155	-	138	146	160	-	
70	MBh	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.1	-	31.0	32.1	35.2	-	29.4	30.5	33.4	-	27.3	28.3	31.0	-
	S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
	ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
	kW	2.59	2.64	2.72	-	2.78	2.83	2.92	-	2.94	3.00	3.09	-	3.09	3.15	3.25	-	3.21	3.28	3.38	-	3.32	3.39	3.49	-
	Amps	11.0	11.2	11.5	-	11.8	12.0	12.3	-	12.6	12.9	13.2	-	13.3	13.6	14.0	-	14.1	14.4	14.8	-	14.8	15.1	15.6	-
	Hi PR	245	263	278	-	275	295	312	-	312	336	355	-	356	383	404	-	400	431	455	-	442	476	502	-
Lo PR	109	116	127	-	115	123	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-	
1050	MBh	30.7	31.9	34.9	-	30.0	31.1	34.1	-	29.3	30.4	33.3	-	28.6	29.6	32.5	-	27.2	28.2	30.8	-	25.2	26.1	28.6	-
	S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
	ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-
	kW	2.53	2.58	2.66	-	2.71	2.77	2.85	-	2.87	2.93	3.02	-	3.01	3.08	3.17	-	3.13	3.20	3.30	-	3.24	3.30	3.41	-
	Amps	10.8	11.0	11.3	-	11.5	11.7	12.0	-	12.3	12.6	12.9	-	13.0	13.3	13.7	-	13.7	14.0	14.4	-	14.4	14.8	15.2	-
	Hi PR	237	255	270	-	266	287	303	-	303	326	344	-	345	371	392	-	388	418	441	-	429	461	487	-
Lo PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	148	-	132	141	154	-	

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

EXPANDED COOLING DATA — APH1342H41**

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	1585	MBh	39.7	41.1	45.1	-	38.8	40.2	44.0	-	37.8	39.2	43.0	-	36.9	38.3	41.9	-	35.1	36.4	39.8	-	32.5	33.7	36.9	-	
		S/T	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.81	0.67	0.47	-	0.83	0.70	0.48	-	0.87	0.72	0.50	-	0.87	0.73	0.50	-	
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-	
	1410	kW	2.82	2.88	2.96	-	3.02	3.08	3.17	-	3.20	3.26	3.36	-	3.35	3.42	3.52	-	3.48	3.55	3.66	-	3.59	3.67	3.78	-	
		Amps	12.4	12.6	13.0	-	13.2	13.5	13.8	-	14.2	14.4	14.8	-	15.0	15.3	15.7	-	15.8	16.1	16.6	-	16.6	16.9	17.4	-	
		Hi PR	235	253	267	-	264	284	300	-	300	323	341	-	342	368	388	-	384	414	437	-	425	457	483	-	
	1236	Lo PR	113	120	132	-	120	127	139	-	124	132	144	-	131	139	152	-	137	146	159	-	142	151	164	-	
		MBh	38.5	39.9	43.8	-	37.6	39.0	42.7	-	36.7	38.1	41.7	-	35.8	37.1	40.7	-	34.1	35.3	38.7	-	31.5	32.7	35.8	-	
		S/T	0.72	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.83	0.69	0.48	-	0.83	0.69	0.48	-	
	75	1585	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
			kW	2.85	2.90	2.98	3.07	3.04	3.10	3.20	3.29	3.22	3.29	3.38	3.49	3.38	3.44	3.55	3.66	3.51	3.58	3.69	3.81	3.62	3.70	3.81	3.93
			Amps	12.5	12.7	13.1	13.5	13.3	13.6	13.9	14.4	14.3	14.6	15.0	15.4	15.1	15.4	15.8	16.4	16.4	15.9	16.2	16.7	17.3	16.7	17.1	17.6
1410		Hi PR	238	256	270	282	267	287	303	316	303	326	344	359	345	372	392	409	388	418	441	460	429	462	488	509	
		Lo PR	114	122	133	141	121	129	140	149	126	134	146	155	132	140	153	163	138	147	161	171	143	152	166	177	
		MBh	39.2	40.3	43.7	46.9	38.3	39.4	42.7	45.8	37.4	38.5	41.6	44.7	36.5	37.5	40.6	43.6	34.6	35.7	38.6	41.4	32.1	33.0	35.7	38.4	
1236		S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.95	0.85	0.64	0.41	
		ΔT	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	20	16	11	20	18	15	10	
		kW	2.82	2.88	2.96	3.05	3.02	3.08	3.17	3.27	3.20	3.26	3.36	3.46	3.35	3.42	3.52	3.63	3.48	3.55	3.66	3.78	3.59	3.67	3.78	3.90	
75		1236	Amps	12.4	12.6	13.0	13.4	13.2	13.5	13.8	14.3	14.2	14.4	14.8	15.3	15.0	15.3	15.7	16.2	15.8	16.1	16.6	17.1	16.6	16.9	17.4	18.0
			Hi PR	235	253	267	279	264	284	300	313	300	323	341	356	342	368	388	405	385	414	437	456	425	457	483	504
			Lo PR	113	120	132	140	120	127	139	148	124	132	144	154	131	139	152	162	137	146	159	169	142	151	164	175
75	1236	MBh	36.2	37.2	40.3	43.3	35.3	36.4	39.4	42.3	34.5	35.5	38.4	41.2	33.6	34.6	37.5	40.2	32.0	32.9	35.6	38.2	29.6	30.5	33.0	35.4	
		S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.82	0.62	0.40	
		ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	18	15	10	
75	1236	kW	2.76	2.82	2.90	2.98	2.96	3.01	3.10	3.19	3.12	3.19	3.28	3.38	3.27	3.34	3.44	3.55	3.40	3.47	3.58	3.69	3.51	3.58	3.69	3.81	
		Amps	12.1	12.4	12.7	13.1	12.9	13.2	13.5	13.9	13.8	14.1	14.5	15.0	14.6	14.9	15.3	15.8	15.4	15.7	16.2	16.7	16.2	16.5	17.0	17.6	
		Hi PR	228	245	259	270	256	275	291	303	291	313	331	345	332	357	377	393	373	401	424	442	412	444	468	488	
75	1236	Lo PR	110	117	128	136	116	123	135	144	121	128	140	149	127	135	147	157	133	141	154	164	137	146	160	170	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ACCA (TVA) conditions
 kW = Total system power
 Amps = outdoor unit amps (comp.+fan)

EXPANDED COOLING DATA — APH1348H41** (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																																	
		65°F					75°F					85°F					95°F					105°F					115°F								
		59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75				
80	1800	MBh	46.7	47.7	50.9	54.4	45.6	46.6	49.7	53.2	44.5	45.5	48.6	51.9	43.4	44.3	47.4	50.6	41.2	42.1	45.0	48.1	38.2	39.0	41.7	44.6	42.0	42.8	44.8	47.8	38.9	39.6	41.5	44.3	
		S/T	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.84	0.63	1.00	1.00	0.85	0.64	1.00	1.00	0.96	0.78	1.00	1.00	0.96	0.78
		ΔT	23	22	19	15	23	22	20	16	22	22	22	20	16	22	23	20	16	21	22	19	15	20	20	18	14	21	22	24	21	22	22	22	22
	1600	kW	3.14	3.20	3.29	3.39	3.36	3.42	3.52	3.63	3.55	3.62	3.73	3.84	3.72	3.80	3.91	4.03	3.86	3.94	4.07	4.19	3.99	4.07	4.20	4.33	4.03	4.11	4.21	4.31	4.03	4.11	4.21	4.31	
		Amps	13.8	14.0	14.4	14.9	14.7	15.0	15.4	15.9	15.7	16.0	16.5	17.0	16.6	17.0	17.4	18.0	17.5	17.9	18.4	19.0	18.4	18.8	19.3	20.0	18.4	18.8	19.3	19.8	18.4	18.8	19.3	19.8	
		Hi PR	232	250	264	275	261	281	296	309	324	297	319	337	351	338	363	384	400	380	409	432	450	420	452	477	498	420	452	477	498	420	452	477	498
	1400	Lo PR	112	119	130	138	118	125	137	146	123	130	142	152	129	137	149	159	135	143	157	167	140	148	162	173	140	148	162	173	140	148	162	173	
		MBh	45.3	46.3	49.5	52.9	44.2	45.2	48.3	51.6	43.2	44.1	47.2	50.4	42.1	43.1	46.0	49.2	40.0	40.9	43.7	46.7	37.1	37.9	40.5	43.3	40.0	40.9	43.7	46.7	37.1	37.9	40.5	43.3	
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.98	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	0.99	0.80	0.60	1.00	1.00	0.81	0.61	1.00	0.99	0.80	0.60	1.00	1.00	0.81	0.61	
	85	1800	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	24	21	17	25	24	21	17	25	24	21	15	25	24	21	17	25	24	21	15
			kW	3.16	3.22	3.31	3.41	3.38	3.45	3.55	3.66	3.58	3.65	3.76	3.87	3.75	3.82	3.94	4.06	3.89	3.98	4.10	4.23	4.02	4.10	4.23	4.37	4.06	4.14	4.24	4.34	4.06	4.14	4.24	4.34
			Amps	13.9	14.2	14.5	15.0	14.8	15.1	15.5	16.0	15.8	16.2	16.6	17.1	16.7	17.1	17.6	18.1	17.7	18.0	18.5	19.1	18.5	18.9	19.5	20.1	18.5	18.9	19.5	20.1	18.5	18.9	19.5	20.1
1600		Hi PR	235	253	267	278	263	283	299	312	300	322	340	355	341	367	388	404	384	413	436	455	424	456	482	503	424	456	482	503	424	456	482	503	
		Lo PR	113	120	131	139	119	127	138	147	124	132	144	153	130	138	151	161	136	145	158	169	141	150	164	174	141	150	164	174	141	150	164	174	
		MBh	46.1	47.0	49.2	52.5	45.0	45.9	48.1	51.3	43.9	44.8	46.9	50.1	42.9	43.7	45.8	48.8	40.7	41.5	43.5	46.4	37.7	38.5	40.3	43.0	40.7	41.5	43.5	46.4	37.7	38.5	40.3	43.0	
1400		S/T	0.97	0.94	0.84	0.69	1.00	0.97	0.88	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79	
		ΔT	26	25	24	21	26	26	24	21	25	26	24	21	25	25	24	21	23	24	24	21	22	22	22	19	23	24	21	19	22	22	22	19	
		kW	3.14	3.20	3.29	3.39	3.36	3.42	3.52	3.63	3.55	3.62	3.73	3.84	3.72	3.80	3.91	4.03	3.86	3.94	4.07	4.19	3.99	4.07	4.20	4.33	4.03	4.11	4.21	4.31	4.03	4.11	4.21	4.31	
85		1400	Amps	13.8	14.0	14.4	14.9	14.7	15.0	15.4	15.9	15.7	16.0	16.5	17.0	16.6	17.0	17.4	18.0	17.5	17.9	18.4	19.0	18.4	18.8	19.3	20.0	18.4	18.8	19.3	19.8	18.4	18.8	19.3	19.8
			Hi PR	232	250	264	275	261	281	296	309	297	319	337	351	338	363	384	400	380	409	432	450	420	452	477	498	420	452	477	498	420	452	477	498
			Lo PR	112	119	130	138	118	125	137	146	123	130	142	152	129	137	149	159	135	143	157	167	140	148	162	173	140	148	162	173	140	148	162	173

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects AHRI conditions
 kW = Total system power
 Amps = outdoor unit amps (comp. - fan)

EXPANDED COOLING DATA — APH1360H41**

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	2079	MBh	56.3	58.4	64.0	-	55.0	57.0	62.5	-	53.7	55.7	61.0	-	52.4	54.3	59.5	-	49.8	51.6	56.5	-	46.1	47.8	52.4	-
		S/T	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.71	0.50	-
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
	1850	kW	3.85	3.93	4.06	-	4.15	4.24	4.37	-	4.41	4.50	4.65	-	4.64	4.74	4.89	-	4.83	4.94	5.10	-	5.00	5.11	5.28	-
		Amps	16.2	16.5	17.0	-	17.4	17.7	18.3	-	18.7	19.1	19.7	-	19.9	20.3	20.9	-	21.0	21.5	22.2	-	22.2	22.7	23.4	-
		Hi PR	233	250	264	-	261	281	296	-	297	319	337	-	338	364	384	-	380	409	432	-	420	452	477	-
	1621	Lo PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-
MBh		54.7	56.7	62.1	-	53.4	55.4	60.7	-	52.2	54.1	59.2	-	50.9	52.7	57.8	-	48.3	50.1	54.9	-	44.8	46.4	50.9	-	
S/T		0.71	0.59	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-	
75	2079	ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		kW	3.82	3.90	4.03	-	4.11	4.20	4.34	-	4.37	4.47	4.61	-	4.60	4.70	4.85	-	4.79	4.90	5.06	-	4.96	5.07	5.23	-
		Amps	16.1	16.4	16.9	-	17.2	17.6	18.1	-	18.5	19.0	19.5	-	19.7	20.1	20.7	-	20.8	21.3	22.0	-	22.0	22.5	23.2	-
	1850	Hi PR	230	248	262	-	258	278	294	-	294	316	334	-	335	360	380	-	376	405	428	-	416	448	473	-
		Lo PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
		MBh	50.5	52.3	57.3	-	49.3	51.1	56.0	-	48.1	49.9	54.7	-	47.0	48.7	53.3	-	44.6	46.2	50.7	-	41.3	42.8	46.9	-
	1621	S/T	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-
ΔT		20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-	
kW		3.73	3.81	3.93	-	4.02	4.10	4.23	-	4.27	4.36	4.50	-	4.48	4.58	4.73	-	4.67	4.77	4.93	-	4.83	4.94	5.10	-	
75	2079	Amps	15.7	16.0	16.5	-	16.8	17.2	17.7	-	18.1	18.5	19.0	-	19.2	19.6	20.2	-	20.3	20.8	21.4	-	21.4	21.9	22.6	-
		Hi PR	223	240	254	-	251	270	285	-	285	307	324	-	325	349	369	-	365	393	415	-	403	434	458	-
		Lo PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-
	1850	MBh	57.3	59.0	63.9	68.5	56.0	57.6	62.4	66.9	54.6	56.3	60.9	65.3	53.3	54.9	59.4	63.8	50.6	52.1	56.4	60.6	46.9	48.3	52.3	56.1
		S/T	0.85	0.76	0.57	0.37	0.88	0.79	0.59	0.38	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.40	0.97	0.86	0.65	0.42	0.97	0.87	0.66	0.42
		ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	22	20	16	11	22	20	15	11
	1621	kW	3.89	3.97	4.09	4.22	4.18	4.27	4.41	4.55	4.44	4.54	4.69	4.84	4.67	4.78	4.93	5.10	4.87	4.98	5.14	5.32	5.04	5.15	5.32	5.50
Amps		16.3	16.7	17.2	17.7	17.5	17.9	18.4	19.0	18.9	19.3	19.9	20.5	20.0	20.5	21.1	21.8	21.2	21.7	22.3	23.1	22.4	22.9	23.6	24.4	
Hi PR		235	253	267	278	264	284	300	312	300	323	341	355	341	367	388	405	384	413	436	455	424	457	482	503	
75	2079	Lo PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
		MBh	55.6	57.3	62.0	66.5	54.3	55.9	60.6	65.0	53.0	54.6	59.1	63.4	51.8	53.3	57.7	61.9	49.2	50.6	54.8	58.8	45.5	46.9	50.8	54.5
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
	1850	ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	22	21	17	12	21	19	16	11
		kW	3.85	3.94	4.06	4.19	4.15	4.24	4.37	4.51	4.41	4.50	4.65	4.80	4.64	4.74	4.89	5.06	4.83	4.94	5.10	5.27	5.00	5.11	5.28	5.46
		Amps	16.2	16.5	17.0	17.6	17.4	17.7	18.3	18.9	18.7	19.1	19.7	20.4	19.9	20.3	20.9	21.6	21.0	21.5	22.2	22.9	22.2	22.7	23.4	24.2
	1621	Hi PR	233	250	264	276	261	281	297	309	297	319	337	352	338	364	384	401	380	409	432	451	420	452	477	498
Lo PR		107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166	
MBh		51.3	52.9	57.2	61.4	50.2	51.6	55.9	60.0	49.0	50.4	54.6	58.6	47.8	49.2	53.2	57.1	45.4	46.7	50.6	54.3	42.0	43.3	46.8	50.3	
1621	S/T	0.78	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.76	0.58	0.37	0.89	0.79	0.60	0.39	0.89	0.80	0.61	0.39	
	ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	20	16	11	
	kW	3.76	3.84	3.96	4.09	4.05	4.13	4.27	4.40	4.30	4.39	4.53	4.68	4.52	4.62	4.77	4.93	4.71	4.81	4.97	5.14	4.87	4.98	5.15	5.32	
1621	Amps	15.8	16.1	16.6	17.2	16.9	17.3	17.8	18.4	18.2	18.6	19.2	19.8	19.4	19.8	20.4	21.1	20.5	20.9	21.6	22.3	21.6	22.1	22.8	23.6	
	Hi PR	226	243	256	267	253	272	288	300	288	310	327	341	328	353	373	389	369	397	419	437	408	439	463	483	
	Lo PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161	

Shaded area reflects ACCA (TVA) conditions

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

kW = Total system power

Amps = outdoor unit amps (comp. + fan)

EXPANDED HEATING DATA

APH1324H41**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	27.7	26.2	24.6	23.0	22.0	21.3	19.8	18.3	17.4	16.1	14.8	14.0	13.5	12.1	10.7	9.4	8.0	6.5
T/R	29.3	27.7	26.1	24.4	23.3	22.6	21.0	19.3	18.5	17.0	15.7	14.8	14.3	12.8	11.3	9.9	8.4	6.9
kW	2.01	1.97	1.94	1.90	1.88	1.86	1.82	1.78	1.82	1.78	1.74	1.72	1.70	1.66	1.62	1.58	1.54	1.50
Amps	9.6	9.0	8.5	8.1	7.8	7.7	7.3	7.0	6.7	6.5	6.2	6.1	6.0	5.8	5.5	5.2	4.9	4.5
COP	4.02	3.88	3.73	3.55	3.43	3.36	3.18	3.00	2.81	2.65	2.50	2.39	2.32	2.13	1.94	1.73	1.52	1.28
EER	13.7	13.3	12.7	12.1	11.7	11.5	10.9	10.2	9.6	9.1	8.5	8.2	7.9	7.3	6.6	5.9	5.2	4.4
Hi PR	366	351	337	323	315	309	297	285	273	261	251	245	240	231	222	213	205	198
Lo PR	132	122	114	105	99	95	88	78	70	63	55	51	50	42	36	31	27	21

APH1330H41**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	33.9	32.1	30.2	28.3	27.0	26.2	24.3	22.4	19.8	18.2	16.8	15.9	15.3	13.7	12.1	10.6	9.0	7.4
T/R	29.9	28.3	26.7	24.9	23.8	23.1	21.4	19.8	17.4	16.1	14.8	14.0	13.5	12.1	10.7	9.3	8.0	6.5
kW	2.43	2.39	2.34	2.29	2.27	2.25	2.20	2.16	2.50	2.44	2.38	2.35	2.33	2.27	2.21	2.16	2.10	2.04
Amps	12.1	11.3	10.7	10.1	9.8	9.6	9.2	8.8	8.5	8.1	7.8	7.7	7.6	7.2	6.9	6.5	6.1	5.7
COP	4.08	3.94	3.78	3.61	3.49	3.41	3.23	3.04	2.32	2.19	2.06	1.98	1.92	1.77	1.61	1.44	1.26	1.06
EER	14.0	13.5	12.9	12.3	11.9	11.6	11.0	10.4	7.9	7.5	7.0	6.7	6.6	6.0	5.5	4.9	4.3	3.6
Hi PR	384	368	354	338	331	324	312	299	287	274	263	256	252	242	233	223	215	208
Lo PR	132	122	115	105	99	96	88	78	71	63	55	52	50	42	36	31	27	21

APH1336H41**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	42.2	40.0	37.6	35.2	33.6	32.6	30.2	27.9	22.4	20.7	19.1	18.0	17.3	15.6	13.8	12.0	10.3	8.4
T/R	32.6	30.9	29.0	27.1	25.9	25.1	23.3	21.5	17.3	16.0	14.7	13.9	13.4	12.0	10.6	9.3	7.9	6.5
kW	2.99	2.94	2.88	2.82	2.79	2.77	2.72	2.66	2.76	2.70	2.64	2.61	2.58	2.52	2.47	2.41	2.35	2.29
Amps	14.8	13.9	13.1	12.5	12.1	11.9	11.3	10.8	10.5	10.1	9.7	9.5	9.4	9.0	8.6	8.2	7.7	7.1
COP	4.13	3.99	3.82	3.64	3.52	3.44	3.26	3.07	2.38	2.24	2.11	2.02	1.96	1.80	1.64	1.46	1.28	1.07
EER	14.1	13.6	13.1	12.5	12.0	11.8	11.1	10.5	8.1	7.7	7.2	6.9	6.7	6.2	5.6	5.0	4.4	3.7
Hi PR	368	353	339	324	317	311	299	287	274	262	252	246	241	232	223	214	206	199
Lo PR	134	125	117	107	101	97	90	80	72	64	57	53	51	43	37	31	27	21

Above information is for nominal CFM and 70° indoor dry bulb. Instantaneous capacity listed.
 High pressure is measured at the liquid line access fitting. kW = Total system power

Amps = Unit amps (comp.+ evaporator motor + condenser fan motor)
 Low pressure is measured at the compressor suction access fitting.

EXPANDED HEATING DATA (CONT.)

APH1342H41**

	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	27.4	25.3	23.3	22.0	21.2	19.0	16.9	14.7	12.5	10.3
T/R	31.4	29.7	27.9	26.1	25.0	24.2	22.5	20.7	18.0	16.6	15.3	14.4	13.9	12.5	11.1	9.7	8.2	6.7
kW	3.27	3.21	3.15	3.09	3.06	3.04	2.98	2.92	3.03	2.97	2.90	2.87	2.84	2.78	2.71	2.65	2.59	2.53
Amps	11.9	11.2	10.7	10.2	9.9	9.8	9.4	9.0	8.8	8.5	8.2	8.1	8.0	7.8	7.4	7.1	6.8	6.4
COP	4.27	4.12	3.95	3.76	3.63	3.55	3.36	3.16	2.65	2.50	2.35	2.25	2.18	2.00	1.82	1.62	1.42	1.19
EER	14.6	14.1	13.5	12.9	12.4	12.1	11.5	10.8	9.0	8.5	8.0	7.7	7.5	6.8	6.2	5.5	4.8	4.1
Hi PR	355	341	327	313	306	300	288	277	265	253	243	237	233	224	216	207	199	192
Lo PR	130	121	113	104	98	94	87	77	70	62	55	51	49	41	36	30	26	21

APH1348H41**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	55.9	53.0	49.8	46.6	44.5	43.1	40.1	36.9	32.4	29.9	27.5	26.0	25.0	22.5	19.9	17.4	14.8	12.1
T/R	32.4	30.6	28.8	27.0	25.8	25.0	23.2	21.4	18.7	17.3	15.9	15.0	14.5	13.0	11.5	10.1	8.6	7.0
kW	3.72	3.65	3.58	3.52	3.48	3.45	3.38	3.32	3.40	3.33	3.26	3.22	3.19	3.12	3.05	2.98	2.90	2.83
Amps	19.1	17.9	16.9	16.1	15.6	15.4	14.6	14.0	13.5	13.1	12.6	12.3	12.2	11.7	11.1	10.6	10.0	9.3
COP	4.40	4.24	4.07	3.88	3.74	3.66	3.46	3.26	2.79	2.63	2.47	2.37	2.30	2.11	1.91	1.71	1.49	1.25
EER	15.0	14.5	13.9	13.2	12.8	12.5	11.8	11.1	9.5	9.0	8.4	8.1	7.9	7.2	6.5	5.8	5.1	4.3
Hi PR	366	351	337	323	315	309	297	285	273	261	250	244	240	231	222	213	205	198
Lo PR	130	121	113	104	98	94	87	77	70	62	55	51	49	41	36	30	26	21

APH1360H41**

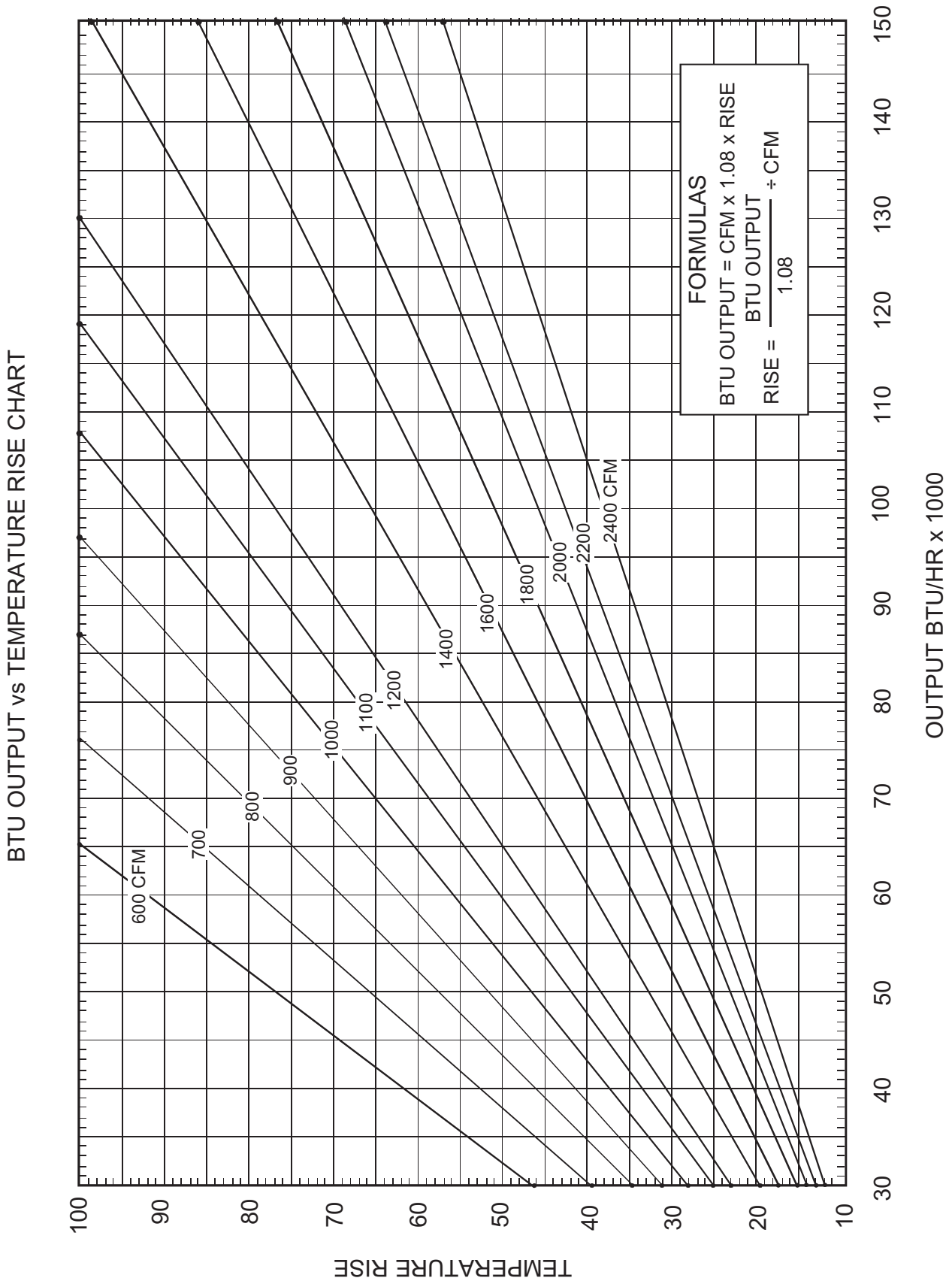
	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	68.5	64.9	61.0	57.1	54.5	52.8	49.1	45.2	39.9	36.8	33.9	32.0	30.8	27.6	24.5	21.4	18.2	14.9
T/R	34.3	32.5	30.6	28.6	27.3	26.4	24.5	22.6	20.0	18.4	17.0	16.0	15.4	13.8	12.3	10.7	9.1	7.5
kW	5.30	5.19	5.09	4.98	4.92	4.87	4.77	4.67	41.89	40.71	39.57	38.88	38.42	37.24	36.10	34.96	33.78	32.64
Amps	22.8	21.3	20.1	19.0	18.4	18.0	17.1	16.3	15.7	15.1	14.5	14.2	14.0	13.4	12.6	12.0	11.2	10.3
COP	3.78	3.65	3.51	3.35	3.24	3.17	3.01	2.84	0.28	0.26	0.25	0.24	0.23	0.22	0.20	0.18	0.16	0.13
EER	12.9	12.5	12.0	11.5	11.1	10.8	10.3	9.7	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.5	0.5
Hi PR	370	354	341	326	318	312	300	288	276	263	253	247	242	233	224	215	207	200
Lo PR	125	116	108	99	94	90	83	74	67	60	52	49	47	40	34	29	25	20

Above information is for nominal CFM and 70° indoor dry bulb. Instantaneous capacity listed.
High pressure is measured at the liquid line access fitting.

kW = Total system power

Amps = Unit amps (comp.+ evaporator motor + condenser fan motor)
Low pressure is measured at the compressor suction access fitting.

TEMPERATURE RISE RANGE CHART



AIRFLOW DATA

MODEL	SPEED	VOLTS		E.S.P (In. of H ₂ O)							
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
APH13 24H41**	Low	230	CFM	680	640	590	555	505	440	340	-
			Watts	155	150	145	140	130	120	110	-
	Med	230	CFM	895	855	815	755	700	630	545	390
			Watts	230	220	215	205	195	180	170	145
	High	230	CFM	1,185	1,130	1,070	1,010	930	850	760	650
			Watts	350	340	325	310	295	280	265	245
APH13 30H41**	Low	230	CFM	1,150	1,080	1,025	975	925	845	-	-
			Watts	340	330	315	305	295	280	-	-
	Med	230	CFM	1,335	1,275	1,205	1,135	1,075	985	910	845
			Watts	425	415	400	385	370	350	330	310
	High	230	CFM	1,435	1,355	1,290	1,210	1,130	1,040	960	885
			Watts	485	465	455	435	415	400	385	370
APH13 36H41**	Low	230	CFM	1,180	1,125	1,075	1,020	955	875	655	-
			Watts	335	325	315	305	295	275	240	-
	Med	230	CFM	1,350	1,280	1,205	1,130	1,050	985	910	845
			Watts	435	420	405	385	375	350	330	310
	High	230	CFM	1,450	1,370	1,290	1,205	1,130	1,040	960	885
			Watts	495	480	465	440	425	400	385	370
APH13 42H41**	Low	230	CFM	1,425	1,410	1,355	1,310	1,245	1,170	1,080	-
			Watts	450	445	430	420	405	390	370	-
	Med	230	CFM	1,620	1,595	1,545	1,485	1,425	1,345	1,250	1,160
			Watts	550	540	525	510	495	475	450	425
	High	230	CFM	1,945	1,935	1,875	1,800	1,730	1,635	1,535	1,440
			Watts	765	755	735	715	695	670	640	615
APH13 48H41**	Low	230	CFM	1,425	1,410	1,355	1,310	1,245	1,170	1,080	-
			Watts	450	445	430	420	405	390	370	-
	Med	230	CFM	1,720	1,660	1,585	1,520	1,460	1,365	1,270	-
			Watts	560	555	540	530	520	490	470	-
	High	230	CFM	2,110	2,060	1,980	1,895	1,795	1,705	1,590	1,500
			Watts	785	780	765	745	720	705	665	625
APH13 60H41**	Low	230	CFM	1,750	1,702	1,654	1,606	1,557	1,509	1,461	1,413
			Watts	334	342	349	357	365	373	381	388
	Med	230	CFM	1,967	1,919	1,871	1,823	1,774	1,726	1,678	1,630
			Watts	482	490	498	506	513	521	529	537
	High	230	CFM	2,106	2,058	2,009	1,961	1,913	1,865	1,817	1,768
			Watts	577	585	592	600	608	616	624	631

NOTES

- Data shown is dry coil. Wet coil pressure drop is approximately 0.1" H₂O, for two-row indoor coil; 0.2" H₂O, for three-row indoor coil; and 0.3" H₂O, for four-row indoor coil.
- Data shown does not include filter pressure drop, approx. 0.08" H₂O.
- ALL MODELS SHOULD RUN NO LESS THAN 350 CFM/TON. USE HIGHER SPEED TAP OR NEXT SIZE LARGER BLOWER ASM. See Repair Parts list.
- Reduce airflow by 2% for 208-volt operation.

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

MODEL AND HEAT KIT USAGE	CIRCUIT #1		CIRCUIT #2		SINGLE-POINT KIT		ACTUAL kW / BTU@ 240V
	MCA ¹	MOP ²	MCA ¹	MOP ²	MCA ¹	MOP ²	
APH1324H41**	1.9	---	---	---	--	--	---
HKR-05*, HKR-05A*	21 / 25	25 / 25	---	---	43	50	4.75 / 16,200
HKR-08*, HKR-08A*	32 / 36	35 / 40	---	---	55	60	7 / 23,800
HKR-10*, HKR-10A*	43 / 49	45 / 50	---	---	68	70	9.5 / 32,400
APH1330H41**	2.3	---	---	---	--	--	---
HKR-05*, HKR-05A*	21 / 25	25 / 25	--	--	45	50	4.75 / 16,200
HKR-08*, HKR-08A*	32 / 36	35 / 40	--	--	57	60	7 / 23,800
HKR-10*, HKR-10A*	43 / 49	45 / 50	--	--	70	80	9.5 / 32,400
HKP-15A*	43 / 49	45 / 50	21 / 25	25 / 25	95	100	14.25 / 48,600
APH1336H41**	2.3	---	---	---	--	--	---
HKR-05*, HKR-05A*	21 / 25	25 / 25	---	---	49	60	4.75 / 16,200
HKR-08*, HKR-08A*	32 / 36	35 / 40	---	---	61	70	7 / 23,800
HKR-10*, HKR-10A*	43 / 49	45 / 50	---	---	74	80	9.5 / 32,400
HKP-15A*	43 / 49	45 / 50	21 / 25	25 / 25	98	100	14.25 / 48,600
APH1342H41**	3.6	---	---	---	--	--	---
HKR-05*, HKR-05A*	21 / 25	25 / 25	--	--	51	60	4.75 / 16,200
HKR-08*, HKR-08A*	32 / 36	35 / 40	--	--	63	70	7 / 23,800
HKR-10*, HKR-10A*	43 / 49	45 / 50	--	--	76	80	9.5 / 32,400
HKP-15A*	43 / 49	45 / 50	21 / 25	25 / 25	101	110	14.25 / 48,600
HKP-20A*	43 / 49	45 / 50	43 / 49	45 / 50	128	150	19.0 / 64,800
APH1348H41**	3.6	---	---	---	--	--	---
HKR-05*, HKR-05A*	21 / 25	25 / 25	---	---	54	60	4.75 / 16,200
HKR-08*, HKR-08A*	32 / 36	35 / 40	---	---	66	70	7 / 23,800
HKR-10*, HKR-10A*	43 / 49	45 / 50	---	---	79	80	9.5 / 32,400
HKP-15A*	43 / 49	45 / 50	21 / 25	25 / 25	103	110	14.25 / 48,600
HKP-20A*	43 / 49	45 / 50	43 / 49	45 / 50	131	150	19.0 / 64,800
APH1360H41**	7.5	---	---	---	--	--	---
HKR-05*, HKR-05A*	21 / 25	25 / 25	---	---	65	80	4.75 / 16,200
HKR-08*, HKR-08A*	32 / 36	35 / 40	---	---	77	90	7 / 23,800
HKR-10*, HKR-10A*	43 / 49	45 / 50	---	---	90	100	9.5 / 32,400
HKP-15A*	43 / 49	45 / 50	21 / 25	25 / 25	114	125	14.25 / 48,600
HKP-20A*	43 / 49	45 / 50	43 / 49	45 / 50	142	150	19.0 / 64,800

¹ Minimum Circuit Ampacity @ 208 / 240 V

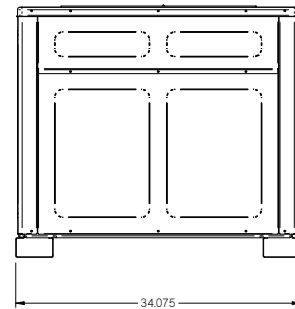
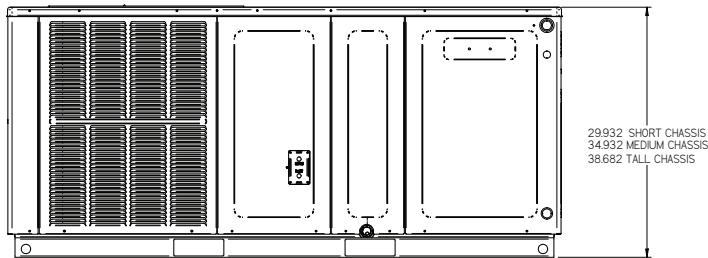
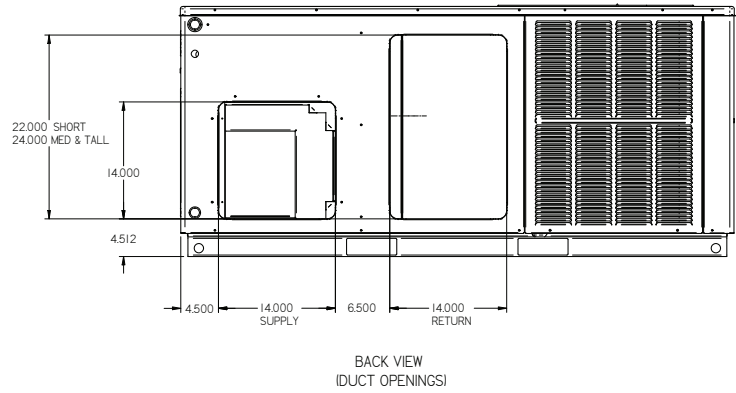
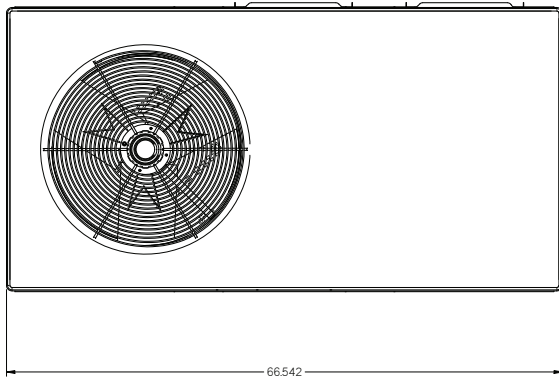
² Maximum Overcurrent Protection Device @ 208 / 240 V

* Revision level that may or may not be designated

C Circuit breaker option

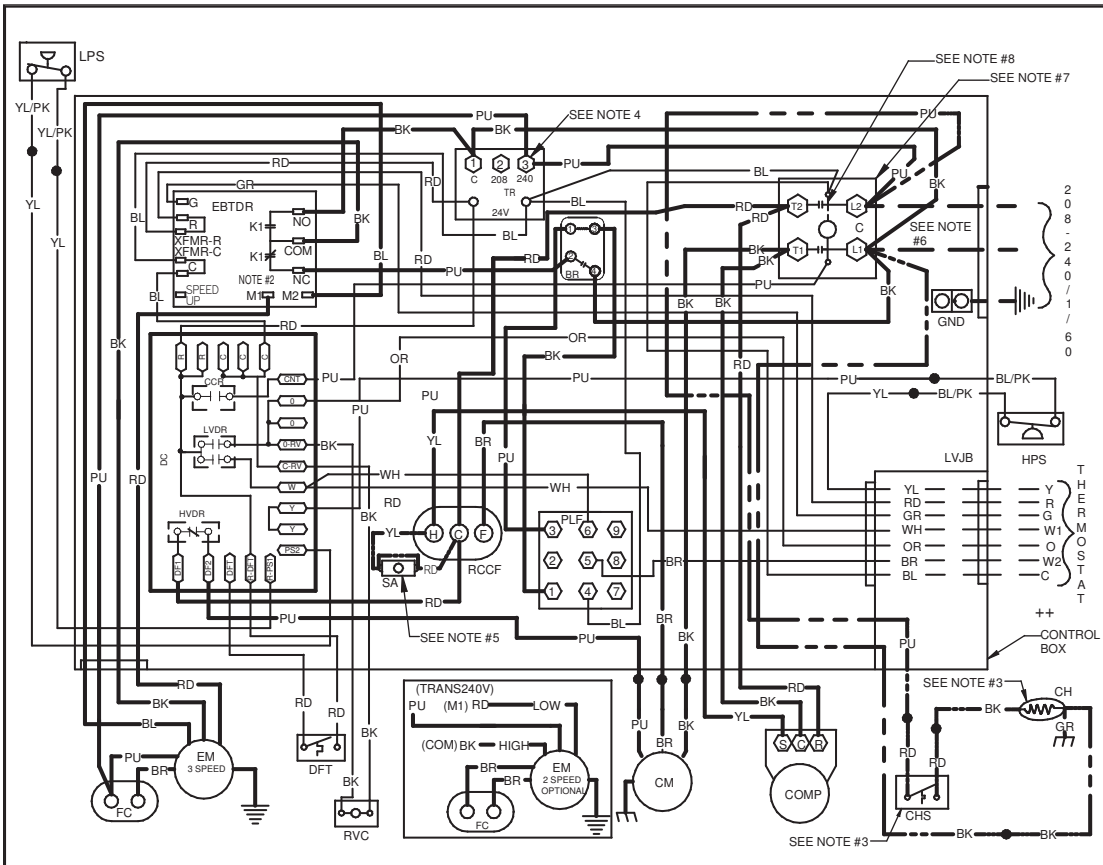
NOTE: HKP-15A* and HKP-20A* replace HKR-15C and HKR-20C respectively to meet new UL1995 requirements.

DIMENSIONS



MODEL	DIMENSIONS			CHASSIS SIZE		
	W"	D"	H"	SMALL	MED.	LARGE
APH1324H41**	66½	34	30	X		
APH1330H41**	66½	34	30	X		
APH1336H41**	66½	34	35		X	
APH1342H41**	66½	34	35		X	
APH1348H41**	66½	34	38⅝			X
APH1360H41**	66½	34	38⅝			X

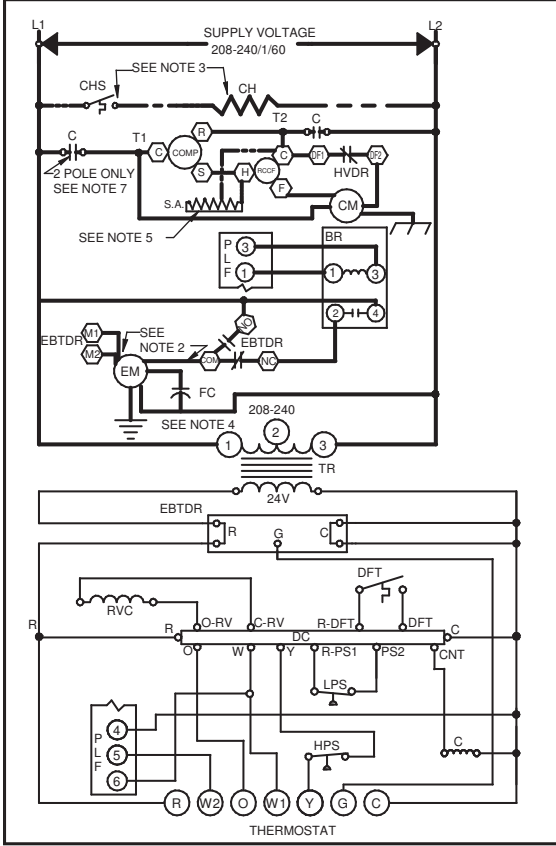
WIRING DIAGRAM — APH1324-48H41**



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.

WARNING

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



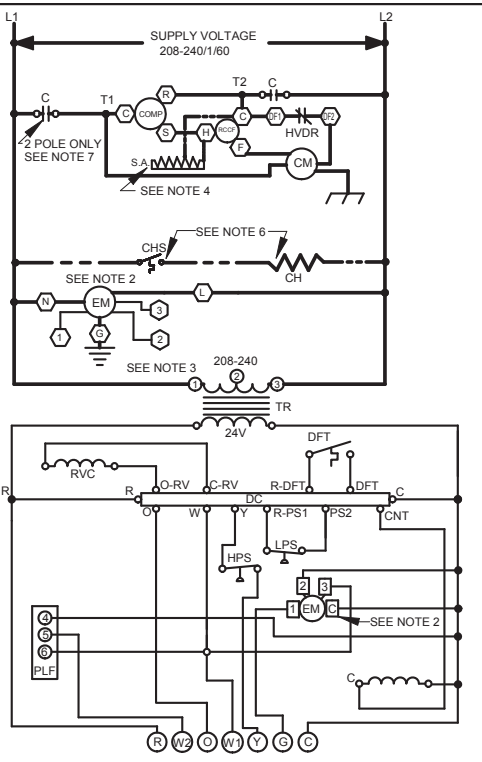
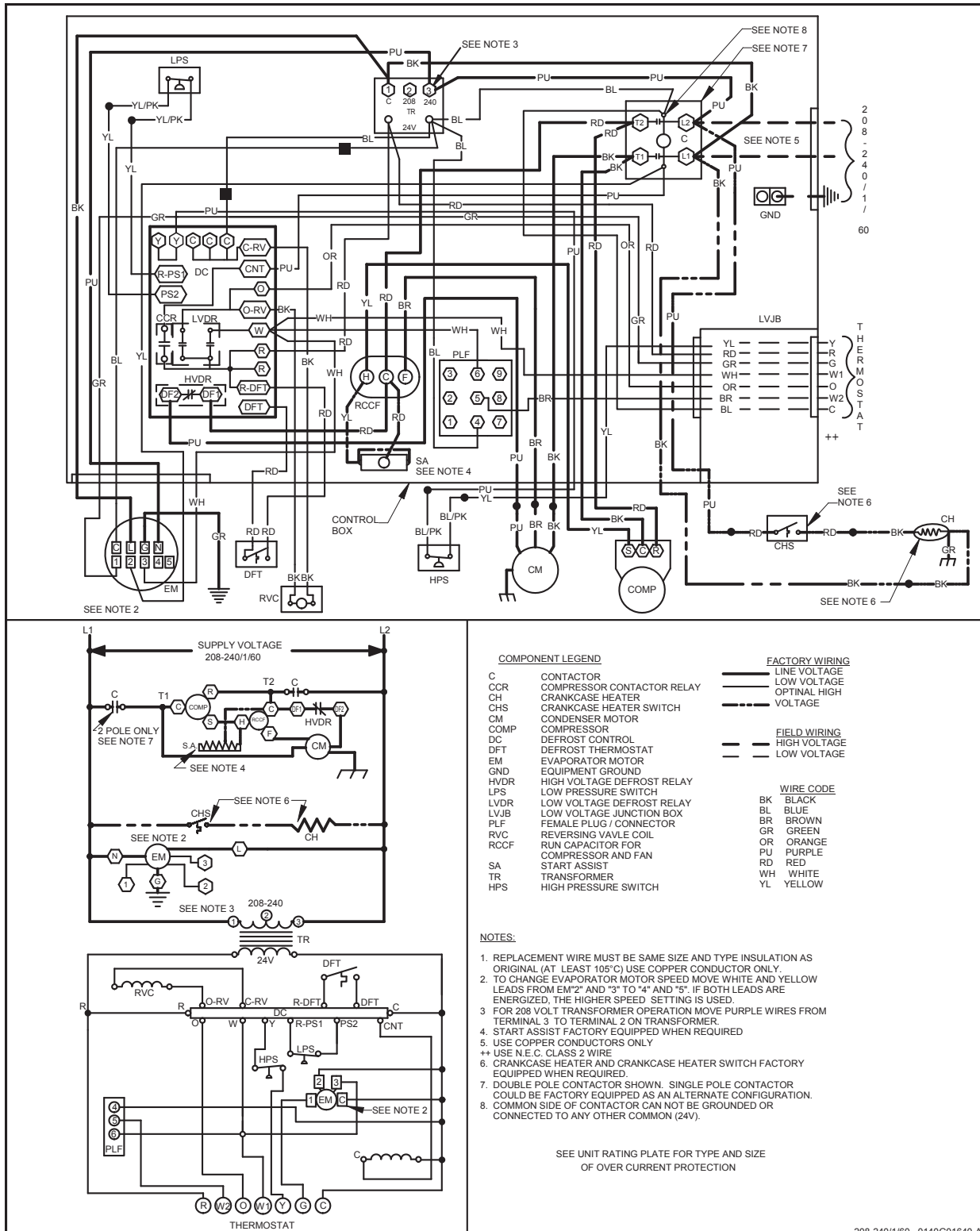
COMPONENT LEGEND		FACTORY WIRING
BR	BLOWER INTERLOCK RELAY	— LINE VOLTAGE
C	CONTACTOR	— LOW VOLTAGE
CCR	COMPRESSOR CONTACTOR RELAY	--- OPTIONAL HIGH VOLTAGE
CH	CRANKCASE HEATER	— FIELD WIRING
CHS	CRANKCASE HEATER SWITCH	--- HIGH VOLTAGE
CM	CONDENSER MOTOR	--- LOW VOLTAGE
COMP	COMPRESSOR	
DC	DEFROST CONTROL	
EBTDR	ELECTRONIC BLOWER TIME DELAY RELAY	
EM	EVAPORATOR MOTOR	
FC	FAN CAPACITOR	
GND	EQUIPMENT GROUND	
HPS	HIGH PRESSURE SWITCH	
HVDR	HIGH VOLTAGE DEFROST RELAY	
LPS	LOW PRESSURE SWITCH	
LVDR	LOW VOLTAGE DEFROST RELAY	
LVJB	LOW VOLTAGE JUNCTION BOX	
PLF	FEMALE PLUG / CONNECTOR	
RVC	REVERSING VALVE COIL	
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN	
SA	START ASSIST	
TR	TRANSFORMER	

- NOTES:
- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
 - TO CHANGE EVAPORATOR MOTOR SPEED REPLACE LEAD ON EBTDR *COM* WITH LEAD ON EBTDR *M1* OR *M2*.
 - CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
 - FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TERMINAL 2 ON TRANSFORMER.
 - START ASSIST FACTORY EQUIPPED WHEN REQUIRED.
 - USE COPPER CONDUCTORS ONLY ++ USE N.E.C. CLASS 2 WIRE.
 - DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.
 - COMMON SIDE OF CONTACTOR CAN NOT BE GROUNDED OR CONNECTED TO ANY OTHER COMMON (24V).

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

0140G01852-B

WIRING DIAGRAM — APH1360H41**



COMPONENT LEGEND		FACTORY WIRING		WIRE CODE	
C	CONTACTOR	—	LINE VOLTAGE	BK	BLACK
CCR	COMPRESSOR CONTACTOR RELAY	—	LOW VOLTAGE	BL	BLUE
CH	CRANKCASE HEATER	—	OPTIMAL HIGH	BR	BROWN
CHS	CRANKCASE HEATER SWITCH	—	VOLTAGE	GR	GREEN
CM	CONDENSER MOTOR	—	FIELD WIRING	OR	ORANGE
COMP	COMPRESSOR	—	HIGH VOLTAGE	PU	PURPLE
DC	DEFROST CONTROL	—	LOW VOLTAGE	RD	RED
DFT	DEFROST THERMOSTAT	—		WH	WHITE
EM	EVAPORATOR MOTOR			YL	YELLOW
GND	EQUIPMENT GROUND				
HVDR	HIGH VOLTAGE DEFROST RELAY				
LPS	LOW PRESSURE SWITCH				
LVDR	LOW VOLTAGE DEFROST RELAY				
LVJB	LOW VOLTAGE JUNCTION BOX				
PLF	FEMALE PLUG / CONNECTOR				
RVC	REVERSING VALVE COIL				
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN				
SA	START ASSIST				
TR	TRANSFORMER				
HPS	HIGH PRESSURE SWITCH				

- NOTES:**
- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
 - TO CHANGE EVAPORATOR MOTOR SPEED MOVE WHITE AND YELLOW LEADS FROM EM"2" AND "3" TO "4" AND "5". IF BOTH LEADS ARE ENERGIZED, THE HIGHER SPEED SETTING IS USED.
 - FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
 - START ASSIST FACTORY EQUIPPED WHEN REQUIRED
 - USE COPPER CONDUCTORS ONLY
 - USE N.E.C. CLASS 2 WIRE
 - CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
 - DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.
 - COMMON SIDE OF CONTACTOR CAN NOT BE GROUND OR CONNECTED TO ANY OTHER COMMON (24V).

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

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



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.



ACCESSORIES

ACCESSORY DESCRIPTION	ITEM NUMBER	
	SMALL CHASSIS	MEDIUM/LARGE CHASSIS
Downflow Economizer	PCE101	PCE102/103
Downflow Plenum Kit	PCP101	PCP102/103
Downflow Plenum Kit (R-8)	PCP101 R8	PCP102 R8 /103 RB
Elbow Flashing w/ R-8 Liner	PCEF101	PCEF102/103
Emergency Heat Relay	OT/EHR18-60	OT/EHR18-60
External Horizontal Filter Rack	GPGHFR101	GPGHFR102/103
Horizontal Economizer	DHZECNJPGCHM	DHZECNJPGCHM
Manual Damper	PCMD101	PCMD102/103
Horizontal Manual Damper	PCMDH101	PCMDH102/103
Motorized Damper	PCMDM101	PCMDM102/103
Outdoor Thermostat w/ Lockout Stat	OT18-60A	OT18-60A
Roof Curb	PCCP101	PCCP102/103
Square to Round	SQRPC101	SQRPC102/103
Square to Round for Horizontal Application	SQRPCH101	SQRPCH102/103

SINGLE-POINT KIT ACCESSORY KITS

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

MODEL	SINGLE-POINT KIT
APH1324H41**	SPK-30
APH1330H41**	SPK-35
APH1336H41**	SPK-40
APH1342H41**	SPK-40
APH1348H41**	SPK-50
APH1360H41**	SPK-60