



APH15M

PACKAGED HEAT PUMP
UP TO 15 SEER / 8.0 HSPF
2 TO 5 TONS

COOLING CAPACITY: 24,000 - 55,500 BTU/H

HEATING CAPACITY: 23,400 - 56,000 BTU/H



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Standard Features

- Energy-efficient compressor with internal relief valve
- Two-stage heating & cooling on 4-, and 5-ton units
- Fully charged R-410A system
- ECM blower motor
- Liquid-line filter drier
- Convertible airflow: horizontal or downflow
- Copper tube/aluminum fin coils
- 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
- Fully insulated air-handling compartment with convenient access panels
- Louvered condenser coil protection
- One footprint; two heights



* Complete warranty details available from your local dealer or at www.amana-hac.com. To receive the Lifetime Compressor Limited Warranty (good for as long as you own your home) and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec.



SPECIFICATIONS

	APH15 24M41C*	APH15 30M41C*	APH15 36M41C*	APH15 43M41C*	APH15 49M41C*	APH15 60M41C*
COOLING CAPACITY						
Total BTU/h	24,000	29,000	35,400	40,000	46,000	55,500
Sensible BTU/h	18,000	22,200	26,700	28,000	31,000	39,300
SEER / EER	15.0/ 12.0	14.5/ 11.5	14.5/ 12	15.0/ 12.0	15.0/ 11.7	14.0/ 10.2
Decibels	76	76	76	78	78	78
AHRI #s	6710589	6710590	6710591	6710592	6710593	6710594
HEATING CAPACITY						
BTU/h (47°F)	23,400	27,400	35,400	39,000	45,500	56,000
C.O.P (47°F)	3.6	3.5	3.4	3.7	3.6	3.4
BUT/h (17°F)	12,400	15,200	18,600	22,000	25,000	31,400
C.O.P (17°F)	2.0	2.2	2.4	2.3	2.2	2.2
HSPF	8.0	8.0	8.0	8.0	8.0	8.0
EVAPORATOR MOTOR						
Type	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
Nominal Cooling CFM	860	1,000	1,200	1,300	1,600	1,950
FLA	4.3	4.3	4.3	2.9	2.9	7
No. of Speeds	5	5	5	5	5	5
Horsepower - RPM	½ -1,050	½ -1,050	½ -1,050	¾ - 1,050	¾ - 1,050	1-1,050
EVAPORATOR COIL						
Face Area (ft²)	4.5	4.5	4.5	6.2	6.2	6.2
Rows Deep/ Fin per Inch	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14
Expansion Device	TXV	TXV	TXV	TXV	TXV	TXV
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"
R-410A Refrigerant Charge (oz.)	120	128	175	213	195	195
CONDENSER FAN / COIL						
Horsepower - RPM	¼ - 850	¼ - 850	¼ - 850	¼ - 1,075	¼ - 1,075	⅓ - 1,075
FLA/LRA	1.5/ 3.0	1.5/ 3.0	1.5/ 3.0	1.4 / 2.9	1.4 / 2.9	2.4/ 5.2
Fan Diameter / # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3
Face Area (ft²)	17.2	17.2	17.2	15	15	15
Rows Deep/ Fin per Inch	1 / 22	1 / 22	2 / 16	2 / 16	2 / 16	2 / 18
COMPRESSOR						
Quantity	1	1	1	1	1	1
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Single	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
Compressor RLA/ LRA	12.8 / 58.3	14.1 / 73	16.7 / 79	17.9 / 112	21.2 / 104	27.1 / 152.9
Indoor Blower FLA	4.3	4.3	4.3	2.9	2.9	7
Total Unit Amps	18.6	19.9	22.5	22.2	25.5	36.6
Min. Circuit Ampacity ¹	21.8	23.4	26.6	26.7	30.8	43.4
Max. Overcurrent Protection ²	30	35	40	40	50	70
SHIPPING WEIGHT (LBS)	366	375	428	472	470	483

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.

EXPANDED COOLING DATA — APH1524M41**

		OUTDOOR AMBIENT TEMPERATURE																															
		65°F				75°F				85°F				95°F				105°F				115°F											
		ENTERING INDOOR WET BULB TEMPERATURE																															
IDB	AIRFLOW	59	63	67	71	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	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	-	18.7	19.4	21.2	-	18.7	19.4	21.2	-
	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	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-	17	15	11	-	17	15	11	-
	kW	1.60	1.63	1.68	-	1.72	1.76	1.81	-	1.82	1.86	1.92	-	1.91	1.96	2.02	-	1.99	2.04	2.10	-	2.06	2.10	2.17	-	2.04	2.09	2.15	-	2.04	2.09	2.15	-
	Amps	7.5	7.7	7.9	-	8.0	8.2	8.4	-	8.5	8.7	8.9	-	9.0	9.2	9.4	-	9.5	9.7	9.9	-	9.9	10.1	10.4	-	9.8	10.0	10.3	-	9.8	10.0	10.3	-
75	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	-	18.7	19.4	21.2	-	18.7	19.4	21.2	-
	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	0.48	-	0.84	0.70	0.48	-	0.84	0.70	0.48	-
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-	17	15	11	-
	kW	1.59	1.62	1.67	-	1.71	1.74	1.80	-	1.81	1.85	1.90	-	1.90	1.94	2.00	-	1.98	2.02	2.08	-	2.04	2.09	2.15	-	2.04	2.09	2.15	-	2.04	2.09	2.15	-
	Amps	7.5	7.6	7.8	-	8.0	8.1	8.3	-	8.5	8.6	8.9	-	8.9	9.1	9.4	-	9.4	9.6	9.8	-	9.6	9.8	10.1	-	9.8	10.0	10.3	-	9.8	10.0	10.3	-
970	MBh	21.1	21.8	23.9	-	20.6	21.3	23.4	-	20.1	20.8	22.8	-	19.6	20.3	22.3	-	18.6	19.3	21.1	-	17.3	17.9	19.6	-	17.3	17.9	19.6	-	17.3	17.9	19.6	-
	S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.67	0.47	-	0.81	0.67	0.47	-	0.81	0.67	0.47	-
	ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-	17	15	11	-
	kW	1.55	1.59	1.63	-	1.67	1.70	1.75	-	1.77	1.80	1.86	-	1.85	1.89	1.95	-	1.93	1.97	2.03	-	1.99	2.04	2.10	-	1.99	2.04	2.10	-	1.99	2.04	2.10	-
	Amps	7.3	7.5	7.7	-	7.8	7.9	8.1	-	8.3	8.5	8.7	-	8.7	8.9	9.1	-	9.2	9.4	9.6	-	9.6	9.8	10.1	-	9.6	9.8	10.1	-	9.6	9.8	10.1	-
750	MBh	20.7	22.3	23.5	-	23.2	25.0	26.4	-	26.4	28.5	30.0	-	30.1	32.4	34.2	-	33.9	36.5	38.5	-	37.4	40.3	42.5	-	37.4	40.3	42.5	-	37.4	40.3	42.5	-
	S/T	0.70	0.60	0.42	-	0.72	0.62	0.43	-	0.74	0.64	0.45	-	0.76	0.66	0.46	-	0.78	0.68	0.48	-	0.78	0.68	0.48	-	0.78	0.68	0.48	-	0.78	0.68	0.48	-
	ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-	18	15	11	-	18	15	11	-	18	15	11	-
	kW	1.52	1.56	1.60	-	1.60	1.64	1.68	-	1.64	1.68	1.72	-	1.68	1.72	1.76	-	1.66	1.70	1.74	-	1.64	1.68	1.72	-	1.64	1.68	1.72	-	1.64	1.68	1.72	-
	Amps	7.2	7.4	7.6	-	7.3	7.5	7.7	-	7.4	7.6	7.8	-	7.4	7.6	7.8	-	7.4	7.6	7.8	-	7.4	7.6	7.8	-	7.4	7.6	7.8	-	7.4	7.6	7.8	-
970	MBh	10.2	10.9	11.9	-	10.8	11.5	12.5	-	11.2	11.9	13.0	-	11.8	12.5	13.7	-	12.4	13.1	14.3	-	12.8	13.6	14.8	-	12.8	13.6	14.8	-	12.8	13.6	14.8	-
	S/T	0.69	0.60	0.43	-	0.71	0.61	0.44	-	0.73	0.63	0.46	-	0.75	0.65	0.48	-	0.76	0.66	0.49	-	0.76	0.66	0.49	-	0.76	0.66	0.49	-	0.76	0.66	0.49	-
	ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-	18	15	11	-	18	15	11	-	18	15	11	-
	kW	1.50	1.54	1.58	-	1.54	1.58	1.62	-	1.54	1.58	1.62	-	1.54	1.58	1.62	-	1.52	1.56	1.60	-	1.50	1.54	1.58	-	1.50	1.54	1.58	-	1.50	1.54	1.58	-
	Amps	7.1	7.3	7.5	-	7.2	7.4	7.6	-	7.2	7.4	7.6	-	7.2	7.4	7.6	-	7.2	7.4	7.6	-	7.2	7.4	7.6	-	7.2	7.4	7.6	-	7.2	7.4	7.6	-
75	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	19.6	20.2	21.8	23.4	19.6	20.2	21.8	23.4
	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	1.00	0.89	0.67	0.43	1.00	0.90	0.68	0.44
	ΔT	20	18	15	10	20	19	15	10	20	19	15	10	20	19	15	10	20	18	15	10	19	17	14	10	19	17	14	10	19	17	14	10
	kW	1.62	1.65	1.70	1.75	1.73	1.77	1.82	1.88	1.84	1.88	1.94	2.00	1.93	1.97	2.03	2.10	2.01	2.05	2.12	2.19	2.08	2.12	2.19	2.26	2.08	2.12	2.19	2.26	2.08	2.12	2.19	2.26
	Amps	7.6	7.7	7.9	8.2	8.1	8.2	8.4	8.7	8.6	8.8	9.0	9.3	9.1	9.3	9.5	9.8	9.5	9.7	10.0	10.3	10.0	10.2	10.5	10.8	10.0	10.2	10.5	10.8	10.0	10.2	10.5	10.8
860	MBh	21.8	22.5	24.8	25.8	21.4	22.1	24.4	25.4	21.0	21.7	24.0	25.0	21.3	22.0	24.3	25.3	20.8	21.5	23.8	24.8	19.9	20.6	22.9	23.9	19.9	20.6	22.9	23.9	19.9	20.6	22.9	23.9
	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	0.96	0.85	0.64	0.41	0.96	0.86	0.65	0.42
	ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	18	15	10	21	19	16	11	21	18	15	10
	kW	1.60	1.64	1.68	1.74	1.72	1.76	1.81	1.87	1.82	1.86	1.92	1.98	1.92	1.96	2.02	2.08	1.99	2.04	2.10	2.17	2.06	2.10	2.17	2.24	2.06	2.10	2.17	2.24	2.06	2.10	2.17	2.24
	Amps	7.5	7.7	7.9	8.1	8.0	8.2	8.4	8.6	8.5	8.7	8.9	9.2	9.0	9.2	9.4	9.7	9.5	9.7	9.9	10.2	9.9	10.1	10.4	10.7	9.9	10.1	10.4	10.7	9.9	10.1	10.4	10.7
750	MBh	21.6	23.2	24.5	25.6	21.2	22.8	24.1	25.2	20.9	22.5	23.8	24.9	21.1	22.7	24.0	25.1	20.6	22.2	23.5	24.6	19.8	21.4	22.7	23.8	19.8	21.4	22.7	23.8	19.8	21.4	22.7	23.8
	S/T	0.81	0.72	0.55	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.92	0.82	0.62	0.40	0.92	0.83	0.63	0.40	0.92	0.82	0.62	0.40	0.92	0.83	0.63	0.40
	ΔT	21	19	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10	20	18	15	10	20	18	15	10
	kW	1.57	1.60	1.65	1.70	1.68	1.71	1.77	1.82	1.78	1.82	1.87	1.93	1.87	1.91	1.97	2.03	1.94	1.99	2.05	2.12	2.01	2.05	2.12	2.19	2.01	2.05	2.12	2.19	2.01	2.05	2.12	2.19
	Amps	7.4	7.5	7.7	7.9	7.8	8.0	8.2	8.4	8.4	8.5																						

EXPANDED COOLING DATA — APH1524M41** (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																													
		65°F					75°F					85°F					95°F					105°F					115°F				
IDB	AIRFLOW	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	MBh	24.3	24.9	26.6	28.4	30.2	23.8	24.3	26.0	27.7	29.5	23.2	23.7	25.3	27.1	28.9	22.6	23.1	24.7	26.4	28.2	21.5	22.0	23.5	25.1	19.9	20.4	21.8	23.3	25.1	
	Hi PR	220	237	250	261	272	247	266	281	293	304	281	302	319	333	345	320	344	364	379	390	360	387	409	427	398	428	452	471	489	
	Lo PR	109	116	126	134	142	115	122	133	142	151	127	138	147	155	163	137	145	155	162	170	131	140	152	162	136	144	158	168	178	
	860	MBh	23.6	24.1	25.8	27.6	29.4	23.1	23.6	25.2	26.9	28.7	22.5	23.0	24.6	26.3	28.1	22.0	22.5	24.0	25.7	27.5	20.9	21.3	22.8	24.4	19.3	19.8	21.1	22.6	24.4
		Hi PR	218	235	248	258	269	245	263	278	290	302	278	299	316	330	341	317	341	360	375	386	356	384	405	422	394	424	447	467	485
Lo PR		107	114	125	133	141	114	121	132	140	148	126	137	146	154	162	136	144	153	161	170	130	138	151	161	134	143	156	166	176	
750		MBh	21.8	22.3	23.8	25.5	27.2	21.3	21.8	23.3	24.9	26.6	20.8	21.3	22.7	24.3	26.0	20.3	20.7	22.2	23.7	25.4	19.3	19.7	21.0	22.5	17.9	18.2	19.5	20.8	22.5
		Hi PR	211	228	240	251	261	237	255	270	281	291	270	290	307	320	331	307	331	349	364	379	346	372	393	410	382	411	434	453	471
	Lo PR	104	111	121	129	137	110	117	128	136	144	122	133	142	150	158	131	142	150	158	166	126	134	146	156	130	139	151	161	171	

970	MBh	24.8	25.2	26.4	28.2	30.0	24.2	24.7	25.8	27.6	29.4	23.6	24.1	25.2	26.9	28.7	23.0	23.5	24.6	26.2	28.0	21.9	22.3	23.4	24.9	20.3	20.7	21.6	23.1	24.9
	S/T	1.00	0.97	0.88	0.71	0.53	1.00	0.96	0.81	0.64	0.47	1.00	0.98	0.83	0.66	0.49	1.00	1.00	0.85	0.68	0.51	1.00	1.00	0.85	0.68	1.00	1.00	0.85	0.68	0.51
	ΔT	23	23	22	19	16	23	23	22	19	16	22	23	22	19	16	22	22	22	22	21	21	21	22	23	19	20	21	18	15
	kW	1.64	1.67	1.72	1.78	1.83	1.76	1.80	1.85	1.91	1.96	1.87	1.91	1.97	2.03	2.08	1.96	2.00	2.07	2.13	2.20	2.04	2.09	2.15	2.22	2.11	2.16	2.23	2.30	2.37
	Amps	7.7	7.8	8.0	8.3	8.5	8.2	8.3	8.5	8.8	9.0	8.7	8.9	9.1	9.4	9.6	9.2	9.4	9.6	9.9	10.2	9.7	9.9	10.1	10.5	10.2	10.4	10.6	11.0	11.3
860	MBh	24.0	24.5	25.7	27.4	29.2	23.5	23.9	25.1	26.8	28.5	22.9	23.4	24.5	26.1	27.8	22.4	22.8	23.9	25.5	27.2	21.2	21.7	22.7	24.2	19.7	20.1	21.0	22.4	24.2
	S/T	0.96	0.93	0.84	0.68	0.50	1.00	0.96	0.87	0.70	0.52	1.00	0.98	0.89	0.72	0.54	1.00	1.00	0.92	0.74	0.56	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78	0.60
	ΔT	25	24	23	20	17	25	25	23	20	17	25	25	23	20	17	24	24	23	20	17	23	23	23	20	21	21	22	19	16
	kW	1.63	1.66	1.71	1.76	1.81	1.75	1.78	1.84	1.90	1.95	1.85	1.89	1.95	2.01	2.06	1.95	1.99	2.05	2.12	2.19	2.03	2.07	2.13	2.20	2.09	2.14	2.21	2.28	2.35
	Amps	7.7	7.8	8.0	8.2	8.4	8.1	8.3	8.5	8.7	8.9	8.7	8.8	9.1	9.3	9.5	9.1	9.3	9.6	9.9	10.2	9.6	9.8	10.1	10.4	10.1	10.3	10.6	10.9	11.2
750	MBh	22.2	22.6	23.7	25.3	27.0	21.7	22.1	23.1	24.7	26.4	21.0	21.6	22.6	24.1	25.8	20.6	21.0	22.0	23.5	25.2	19.6	20.0	20.9	22.3	18.2	18.5	19.4	20.7	22.3
	S/T	0.93	0.89	0.81	0.65	0.47	0.96	0.93	0.84	0.68	0.50	0.98	0.95	0.86	0.70	0.52	1.00	0.98	0.88	0.72	0.54	1.00	1.00	0.92	0.74	1.00	1.00	0.93	0.75	0.57
	ΔT	25	25	23	20	17	26	25	24	21	18	26	25	24	21	18	25	25	24	21	18	24	25	24	20	22	23	22	19	16
	kW	1.59	1.62	1.67	1.72	1.77	1.71	1.74	1.79	1.85	1.90	1.81	1.85	1.90	1.96	2.01	1.90	1.94	2.00	2.07	2.14	1.98	2.02	2.08	2.15	2.04	2.09	2.15	2.22	2.29
	Amps	7.5	7.6	7.8	8.0	8.2	8.0	8.1	8.3	8.5	8.7	8.5	8.6	8.9	9.1	9.3	8.9	9.1	9.4	9.6	9.9	9.4	9.6	9.8	10.1	9.8	10.0	10.3	10.6	10.9

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

EXPANDED COOLING DATA — APH1530M41**

IDB		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		ENTERING INDOOR WET BULB TEMPERATURE																																			
AIRFLOW	59	63	67	71	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	1125	MBh	28.4	29.5	32.3	-	27.8	28.8	31.5	-	27.1	28.1	30.8	-	26.4	27.4	30.0	-	25.1	26.0	28.5	-	23.3	24.1	26.4	-	23.3	24.1	26.4	-							
		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	-	0.88	0.74	0.51	-							
		Δ T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-							
		KW	1.88	1.92	1.99	-	2.03	2.07	2.14	-	2.16	2.21	2.28	-	2.27	2.32	2.40	-	2.37	2.42	2.50	-	2.45	2.51	2.59	-	2.45	2.51	2.59	-							
		Amps	8.1	8.2	8.5	-	8.6	8.8	9.1	-	9.3	9.5	9.8	-	9.9	10.1	10.4	-	10.5	10.7	11.0	-	11.0	11.3	11.6	-	11.0	11.3	11.6	-							
		HI PR	229	246	260	-	257	276	292	-	292	314	332	-	333	358	378	-	374	403	425	-	414	445	470	-	414	445	470	-							
	LO PR	109	116	127	-	116	123	134	-	120	128	139	-	126	134	146	-	132	141	154	-	137	145	159	-	137	145	159	-								
	1000	MBh	27.6	28.6	31.3	-	26.9	27.9	30.6	-	26.3	27.3	29.9	-	25.7	26.6	29.1	-	24.4	25.3	27.7	-	22.6	23.4	25.6	-	22.6	23.4	25.6	-							
		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	-	0.84	0.70	0.49	-							
		Δ T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	15	12	-	18	15	12	-							
		KW	1.87	1.91	1.97	-	2.01	2.06	2.12	-	2.14	2.19	2.26	-	2.25	2.30	2.38	-	2.35	2.40	2.48	-	2.43	2.49	2.57	-	2.43	2.49	2.57	-							
Amps		8.0	8.2	8.4	-	8.6	8.7	9.0	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.4	10.6	10.9	-	10.9	11.2	11.5	-	10.9	11.2	11.5	-								
875	HI PR	227	244	258	-	254	274	289	-	289	311	329	-	329	355	374	-	371	399	421	-	409	441	465	-	409	441	465	-								
	LO PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-	135	144	157	-								
	MBh	25.5	26.4	28.9	-	24.9	25.8	28.2	-	24.3	25.2	27.6	-	23.7	24.6	26.9	-	22.5	23.3	25.6	-	20.8	21.6	23.7	-	20.8	21.6	23.7	-								
	S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-	0.81	0.68	0.47	-								
	Δ T	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-	18	15	12	-								
70	875	KW	1.82	1.86	1.92	-	1.96	2.01	2.07	-	2.09	2.13	2.20	-	2.20	2.25	2.32	-	2.29	2.34	2.42	-	2.37	2.42	2.50	-	2.37	2.42	2.50	-							
		Amps	7.8	8.0	8.2	-	8.4	8.5	8.8	-	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.1	10.3	10.7	-	10.7	10.9	11.2	-	10.7	10.9	11.2	-							
		HI PR	220	237	250	-	247	265	280	-	281	302	319	-	320	344	363	-	359	387	409	-	397	427	451	-	397	427	451	-							
		LO PR	105	112	122	-	111	118	129	-	115	123	134	-	121	129	141	-	127	135	147	-	131	140	153	-	131	140	153	-							

75	1125	MBh	28.9	29.8	32.2	34.6	28.2	29.1	31.5	33.8	27.6	28.4	30.7	33.0	26.9	27.7	30.0	32.2	25.5	26.3	28.5	30.5	23.7	24.4	26.4	28.3
		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
		Δ T	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
		KW	1.90	1.94	2.00	2.07	2.05	2.09	2.16	2.23	2.18	2.22	2.30	2.37	2.29	2.34	2.42	2.50	2.39	2.44	2.52	2.61	2.47	2.53	2.61	2.70
	Amps	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.4	9.6	9.9	10.2	10.0	10.2	10.5	10.9	10.6	10.8	11.1	11.5	11.1	11.4	11.7	12.2	
	Hi PR	231	249	263	274	259	279	295	308	295	318	335	350	336	362	382	398	378	407	430	448	418	450	475	495	
	LO PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171	
	1000	MBh	28.1	28.9	31.3	33.6	27.4	28.2	30.5	32.8	26.8	27.5	29.8	32.0	26.1	26.9	29.1	31.2	24.8	25.5	27.6	29.7	23.0	23.6	25.6	27.5
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	
Δ T		22	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	22	20	16	11	20	19	15	11	
KW		1.88	1.92	1.99	2.05	2.03	2.07	2.14	2.21	2.16	2.21	2.28	2.35	2.27	2.32	2.40	2.48	2.37	2.42	2.50	2.59	2.45	2.51	2.59	2.68	
875	Amps	8.1	8.2	8.5	8.7	8.6	8.8	9.1	9.4	9.3	9.5	9.8	10.1	9.9	10.1	10.4	10.8	10.5	10.7	11.0	11.4	11.0	11.3	11.6	12.0	
	Hi PR	229	246	260	271	257	276	292	305	292	314	332	346	333	358	378	394	374	403	425	444	414	445	470	490	
	LO PR	109	116	127	135	116	123	134	143	120	128	139	149	126	134	147	156	132	141	154	164	137	145	159	169	
	MBh	25.9	26.7	28.9	31.0	25.3	26.0	28.2	30.3	24.7	25.4	27.5	29.5	24.1	24.8	26.8	28.8	22.9	23.6	25.5	27.4	21.2	21.8	23.6	25.4	
	S/T	0.81	0.72	0.55	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.92	0.82	0.62	0.40	0.92	0.83	0.63	0.40	
	Δ T	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	1.84	1.88	1.94	2.00	1.98	2.02	2.09	2.16	2.11	2.15	2.22	2.30	2.22	2.26	2.34	2.42	2.31	2.36	2.44	2.52	2.39	2.44	2.53	2.61	
	Amps	7.9	8.0	8.3	8.5	8.4	8.6	8.9	9.2	9.1	9.3	9.5	9.9	9.6	9.8	10.1	10.5	10.2	10.4	10.7	11.1	10.8	11.0	11.3	11.7	
	Hi PR	222	239	252	263	249	268	283	295	283	305	323	336	323	347	367	383	363	391	413	430	401	432	456	476	
	LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	

EXPANDED COOLING DATA — APH1530M41** (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
IDB	AIRFLOW	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	29.4	30.1	32.1	34.3	28.7	29.4	31.4	33.5	28.0	28.7	30.6	32.7	27.4	28.0	29.9	31.9	26.0	26.6	28.4	30.3	24.1	24.6	26.3	28.1
	S/T	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63
	Δ T	23	22	19	15	23	22	19	16	23	22	19	16	21	22	20	16	21	22	19	15	20	20	18	14
	KW	1.91	1.96	2.02	2.08	2.06	2.11	2.18	2.25	2.19	2.24	2.32	2.39	2.31	2.36	2.44	2.52	2.41	2.46	2.55	2.63	2.49	2.55	2.64	2.73
	Amps	8.2	8.4	8.6	8.9	8.8	9.0	9.2	9.5	9.5	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6	11.2	11.5	11.8	12.3
	Hi PR	234	251	265	277	262	282	298	311	298	321	339	353	340	365	386	402	382	411	434	453	422	454	480	500
	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
80	MBh	28.6	29.2	31.2	33.3	27.9	28.5	30.5	32.6	27.2	27.8	29.7	31.8	26.6	27.1	29.0	31.0	25.2	25.8	27.6	29.5	23.4	23.9	25.5	27.3
	S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.97	0.91	0.74	0.56	1.00	0.94	0.77	0.57	1.00	0.98	0.80	0.60	1.00	0.99	0.80	0.60
	Δ T	24	23	20	16	24	23	20	16	24	23	20	16	24	24	20	16	23	23	20	16	21	22	19	15
	KW	1.90	1.94	2.00	2.07	2.05	2.09	2.16	2.23	2.18	2.22	2.30	2.37	2.29	2.34	2.42	2.50	2.39	2.44	2.52	2.61	2.47	2.53	2.61	2.70
	Amps	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.4	9.6	9.9	10.2	10.0	10.2	10.5	10.9	10.6	10.8	11.1	11.5	11.1	11.4	11.7	12.2
	Hi PR	231	249	263	274	260	279	295	308	295	318	335	350	336	362	382	398	378	407	430	448	418	450	475	495
	Lo PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171
875	MBh	26.4	26.9	28.8	30.8	25.7	26.3	28.1	30.0	25.1	25.7	27.4	29.3	24.5	25.1	26.8	28.6	23.3	23.8	25.4	27.2	21.6	22.0	23.6	25.2
	S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.01	0.94	0.77	0.57	1.01	0.95	0.77	0.58
	Δ T	24	23	20	16	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15
	KW	1.85	1.89	1.95	2.02	2.00	2.04	2.11	2.17	2.12	2.17	2.24	2.31	2.23	2.28	2.36	2.44	2.33	2.38	2.46	2.54	2.41	2.46	2.55	2.63
	Amps	7.9	8.1	8.3	8.6	8.5	8.7	8.9	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.2	10.6	10.3	10.5	10.8	11.2	10.8	11.1	11.4	11.8
	Hi PR	224	241	255	266	252	271	286	298	286	308	325	339	326	351	371	386	367	395	417	435	405	436	461	480
	Lo PR	107	114	124	133	113	120	132	140	118	125	137	146	124	132	144	153	130	138	150	160	134	143	156	166

1125	MBh	29.9	30.5	31.9	34.1	36.3	38.5	40.7	42.9	45.1	47.3	49.5	51.7	53.9	56.1	58.3	60.5	62.7	64.9	67.1	69.3	71.5	73.7	75.9	78.1	80.3	82.5	84.7	86.9	89.1	91.3	93.5	95.7	97.9	100.1	102.3
	S/T	1.00	0.97	0.88	0.71	0.53	0.35	0.17	-0.01	-0.19	-0.37	-0.55	-0.73	-0.91	-1.09	-1.27	-1.45	-1.63	-1.81	-1.99	-2.17	-2.35	-2.53	-2.71	-2.89	-3.07	-3.25	-3.43	-3.61	-3.79	-3.97	-4.15	-4.33	-4.51	-4.69	
	Δ T	24	24	23	20	17	14	11	8	5	2	-1	-4	-7	-10	-13	-16	-19	-22	-25	-28	-31	-34	-37	-40	-43	-46	-49	-52	-55	-58	-61	-64	-67	-70	
	KW	1.93	1.97	2.03	2.10	2.16	2.22	2.28	2.34	2.40	2.46	2.52	2.58	2.64	2.70	2.76	2.82	2.88	2.94	3.00	3.06	3.12	3.18	3.24	3.30	3.36	3.42	3.48	3.54	3.60	3.66	3.72	3.78	3.84	3.90	
	Amps	8.2	8.4	8.7	9.0	9.2	9.4	9.6	9.8	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	14.0	14.2	14.4	14.6	14.8	15.0	
	Hi PR	236	254	268	280	292	304	316	328	340	352	364	376	388	400	412	424	436	448	460	472	484	496	508	520	532	544	556	568	580	592	604	616	628	640	652
	LO PR	113	120	131	139	146	153	160	167	174	181	188	195	202	209	216	223	230	237	244	251	258	265	272	279	286	293	300	307	314	321	328	335	342	349	356
1000	MBh	29.1	29.6	31.0	33.1	35.2	37.3	39.4	41.5	43.6	45.7	47.8	49.9	52.0	54.1	56.2	58.3	60.4	62.5	64.6	66.7	68.8	70.9	73.0	75.1	77.2	79.3	81.4	83.5	85.6	87.7	89.8	91.9	94.0	96.1	
	S/T	0.96	0.93	0.84	0.68	0.50	0.32	0.14	-0.04	-0.22	-0.40	-0.58	-0.76	-0.94	-1.12	-1.30	-1.48	-1.66	-1.84	-2.02	-2.20	-2.38	-2.56	-2.74	-2.92	-3.10	-3.28	-3.46	-3.64	-3.82	-4.00	-4.18	-4.36	-4.54	-4.72	
	Δ T	26	25	24	21	18	15	12	9	6	3	0	-3	-6	-9	-12	-15	-18	-21	-24	-27	-30	-33	-36	-39	-42	-45	-48	-51	-54	-57	-60	-63	-66	-69	
	KW	1.91	1.96	2.02	2.08	2.14	2.20	2.26	2.32	2.38	2.44	2.50	2.56	2.62	2.68	2.74	2.80	2.86	2.92	2.98	3.04	3.10	3.16	3.22	3.28	3.34	3.40	3.46	3.52	3.58	3.64	3.70	3.76	3.82	3.88	
	Amps	8.2	8.4	8.6	8.9	9.1	9.3	9.5	9.7	10.0	10.3	10.6	10.9	11.2	11.5	11.8	12.1	12.4	12.7	13.0	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.2	17.5	
	Hi PR	234	251	265	277	289	301	311	320	329	338	347	356	365	374	383	392	401	410	419	428	437	446	455	464	473	482	491	500	509	518	527	536	545	554	
	LO PR	112	119	130	138	146	154	162	170	178	186	194	202	210	218	226	234	242	250	258	266	274	282	290	298	306	314	322	330	338	346	354	362	370	378	
875	MBh	26.8	27.3	28.6	30.5	32.4	34.3	36.2	38.1	40.0	41.9	43.8	45.7	47.6	49.5	51.4	53.3	55.2	57.1	59.0	60.9	62.8	64.7	66.6	68.5	70.4	72.3	74.2	76.1	78.0	79.9	81.8	83.7	85.6	87.5	
	S/T	0.93	0.89	0.81	0.65	0.49	0.33	0.17	-0.01	-0.19	-0.37	-0.55	-0.73	-0.91	-1.09	-1.27	-1.45	-1.63	-1.81	-1.99	-2.17	-2.35	-2.53	-2.71	-2.89	-3.07	-3.25	-3.43	-3.61	-3.79	-3.97	-4.15	-4.33	-4.51	-4.69	
	Δ T	26	26	24	21	18	15	12	9	6	3	0	-3	-6	-9	-12	-15	-18	-21	-24	-27	-30	-33	-36	-39	-42	-45	-48	-51	-54	-57	-60	-63	-66	-69	
	KW	1.87	1.91	1.97	2.03	2.09	2.15	2.21	2.27	2.33	2.39	2.45	2.51	2.57	2.63	2.69	2.75	2.81	2.87	2.93	2.99	3.05	3.11	3.17	3.23	3.29	3.35	3.41	3.47	3.53	3.59	3.65	3.71	3.77	3.83	
	Amps	8.0	8.2	8.4	8.7	8.9	9.1	9.3	9.5	9.7	10.0	10.3	10.6	10.9	11.2	11.5	11.8	12.1	12.4	12.7	13.0	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.2	
	Hi PR	227	244	257	269	280	291	301	311	320	329	338	347	356	365	374	383	392	401	410	419	428	437	446	455	464	473	482	491	500	509	518	527	536	545	
	LO PR	108	115	126	134	142	150	158	166	174	182	190	198	206	214	222	230	238	246	254	262	270	278	286	294	302	310	318	326	334	342	350	358	366	374	

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

EXPANDED COOLING DATA — APH1536M41**

IDB		OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE												115°F											
		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	59	63	67	71								
70	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
	MBh	34.6	35.9	39.3	-	33.8	35.1	38.4	-	33.0	34.2	37.5	-	32.2	33.4	36.6	-	30.6	31.7	34.8	-	28.4	29.4	32.2	-	28.4	29.4	32.2	-								
	S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-	0.88	0.73	0.51	-								
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-								
	1350 kW	2.26	2.31	2.38	-	2.44	2.49	2.57	-	2.59	2.65	2.73	-	2.72	2.78	2.88	-	2.84	2.90	3.00	-	2.94	3.00	3.10	-	2.94	3.00	3.10	-								
	Amps	10.8	11.0	11.3	-	11.5	11.7	12.0	-	12.3	12.5	12.9	-	13.0	13.2	13.6	-	13.7	13.9	14.3	-	14.3	14.6	15.0	-	14.3	14.6	15.0	-								
	Hi PR	228	245	259	-	256	275	290	-	291	313	330	-	331	356	376	-	372	401	423	-	411	443	468	-	411	443	468	-								
	Lo PR	107	114	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	138	151	-	134	143	156	-	134	143	156	-								
	1200	MBh	33.6	34.9	38.2	-	32.9	34.1	37.3	-	32.1	33.2	36.4	-	31.3	32.4	35.5	-	29.7	30.8	33.8	-	27.5	28.5	31.3	-	27.5	28.5	31.3	-							
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-	0.84	0.70	0.48	-							
ΔT		19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-	18	15	12	-								
1200 kW		2.25	2.29	2.36	-	2.42	2.47	2.55	-	2.57	2.62	2.71	-	2.70	2.76	2.85	-	2.82	2.88	2.97	-	2.91	2.98	3.08	-	2.91	2.98	3.08	-								
Amps		10.7	10.9	11.2	-	11.4	11.6	11.9	-	12.2	12.4	12.8	-	12.9	13.1	13.5	-	13.5	13.8	14.2	-	14.2	14.5	14.9	-	14.2	14.5	14.9	-								
Hi PR		225	243	256	-	253	272	287	-	288	310	327	-	328	353	372	-	369	397	419	-	407	438	463	-	407	438	463	-								
Lo PR		106	113	124	-	112	120	131	-	117	124	136	-	123	131	142	-	129	137	149	-	133	141	154	-	133	141	154	-								
1050		MBh	31.1	32.2	35.3	-	30.3	31.4	34.4	-	29.6	30.7	33.6	-	28.9	29.9	32.8	-	27.4	28.4	31.2	-	25.4	26.3	28.9	-	25.4	26.3	28.9	-							
		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	-	0.81	0.67	0.47	-							
		ΔT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-	18	16	12	-							
	1050 kW	2.19	2.24	2.31	-	2.36	2.41	2.49	-	2.51	2.56	2.64	-	2.64	2.69	2.78	-	2.75	2.81	2.90	-	2.84	2.90	3.00	-	2.84	2.90	3.00	-								
	Amps	10.5	10.7	11.0	-	11.2	11.4	11.7	-	11.9	12.2	12.5	-	12.6	12.8	13.2	-	13.2	13.5	13.9	-	13.9	14.2	14.6	-	13.9	14.2	14.6	-								
	Hi PR	219	235	249	-	245	264	279	-	279	300	317	-	318	342	361	-	358	385	406	-	395	425	449	-	395	425	449	-								
	Lo PR	103	110	120	-	109	116	127	-	113	121	132	-	119	127	138	-	125	133	145	-	129	137	150	-	129	137	150	-								
	75	MBh	35.2	36.3	39.3	42.1	34.4	35.4	38.4	41.2	33.6	34.6	37.4	40.2	32.8	33.7	36.5	39.2	31.1	32.1	34.7	37.2	28.8	29.7	32.1	34.5	28.8	29.7	32.1	34.5							
		S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43	1.00	0.89	0.67	0.43							
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10	20	18	15	10							
1350 kW		2.28	2.33	2.40	2.48	2.46	2.51	2.59	2.67	2.61	2.67	2.75	2.85	2.75	2.81	2.90	3.00	2.86	2.93	3.02	3.13	2.96	3.03	3.13	3.24	2.96	3.03	3.13	3.24								
Amps		10.9	11.1	11.4	11.7	11.6	11.8	12.1	12.5	12.4	12.6	13.0	13.4	13.1	13.3	13.7	14.1	13.8	14.0	14.4	14.9	14.4	14.7	15.2	15.6	14.4	14.7	15.2	15.6								
Hi PR		230	248	261	273	258	278	293	306	294	316	334	348	334	360	380	396	376	405	427	446	416	447	472	493	416	447	472	493								
Lo PR		109	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168	136	144	158	168								
MBh		34.2	35.2	38.1	40.9	33.4	34.4	37.2	40.0	32.6	33.6	36.4	39.0	31.8	32.8	35.5	38.1	30.2	31.1	33.7	36.2	28.0	28.8	31.2	33.5	28.0	28.8	31.2	33.5								
S/T		0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41	0.95	0.85	0.64	0.41								
ΔT		22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11	20	19	15	11								
1200 kW	2.26	2.31	2.38	2.46	2.44	2.49	2.57	2.65	2.59	2.65	2.73	2.82	2.72	2.78	2.88	2.97	2.84	2.90	3.00	3.10	2.94	3.00	3.10	3.21	2.94	3.00	3.10	3.21									
Amps	10.8	11.0	11.3	11.6	11.5	11.7	12.0	12.4	12.3	12.5	12.9	13.3	13.0	13.2	13.6	14.0	13.7	13.9	14.3	14.8	14.3	14.6	15.0	15.5	14.3	14.6	15.0	15.5									
Hi PR	228	245	259	270	256	275	290	303	291	313	330	345	331	356	376	392	372	401	423	441	412	443	468	488	412	443	468	488									
Lo PR	107	114	125	133	114	121	132	140	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166	134	143	156	166									
1050	MBh	31.6	32.5	35.2	37.8	30.8	31.8	34.4	36.9	30.1	31.0	33.6	36.0	29.4	30.2	32.7	35.1	27.9	28.7	31.1	33.4	25.8	26.6	28.8	30.9	25.8	26.6	28.8	30.9								
	S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	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	0.92	0.82	0.62	0.40								
	ΔT	22	20	17	11	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11	21	19	16	11								
	1050 kW	2.21	2.26	2.33	2.40	2.38	2.43	2.51	2.59	2.53	2.58	2.66	2.75	2.66	2.72	2.80	2.90	2.77	2.83	2.92	3.02	2.86	2.93	3.02	3.13	2.86	2.93	3.02	3.13								
	Amps	10.6	10.8	11.1	11.4	11.2	11.5	11.8	12.1	12.0	12.2	12.6	13.0	12.7	12.9	13.3	13.7	13.3	13.6	14.0	14.4	14.0	14.3	14.7	15.2	14.0	14.3	14.7	15.2								
	Hi PR	221	238	251	262	248	267	282	294	282	303	320	334	321	346	365	381	361	389	411	428	399	430	454	473	399	430	454	473								
	Lo PR	104	111	121	129	110	117	128	136	114	122	133	142	120	128	140	149	126	134	146	156	130	139	151	161	130	139	151	161								
	IDB: Entering Indoor Dry Bulb Temperature												Shaded area reflects ACCA (TVA) conditions												kW = Total system power												
	High & low pressures are measured at the liquid & suction service valves.												Amps = outdoor unit amps (comp.+ evaporator + compressor fan)																								

EXPANDED COOLING DATA — APH1536M41** (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71						
IDB		ENTERING INDOOR WET BULB TEMPERATURE																																			
80	1350	MBh	35.9	36.6	39.2	41.9	35.0	35.8	38.2	40.9	34.2	34.9	37.3	39.9	33.4	34.1	36.4	38.9	31.7	32.4	34.6	37.0	29.4	30.0	32.1	34.3	29.4	30.0	32.1	34.3							
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62							
		ΔT	23	22	19	15	24	23	20	16	23	23	20	16	23	23	20	16	23	22	19	16	20	20	18	15	20	20	18	15							
		kW	2.30	2.35	2.42	2.50	2.48	2.53	2.61	2.70	2.63	2.69	2.78	2.87	2.77	2.83	2.92	3.02	2.89	2.95	3.05	3.15	2.99	3.05	3.16	3.26	2.99	3.05	3.16	3.26							
		Amps	11.0	11.2	11.5	11.8	11.7	11.9	12.2	12.6	12.5	12.7	13.1	13.5	13.2	13.4	13.8	14.2	13.9	14.2	14.5	15.0	14.6	14.9	15.3	15.8	14.6	14.9	15.3	15.8							
		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							
	Lo PR	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170	137	146	159	170								
	1200	MBh	34.8	35.6	38.0	40.6	34.0	34.8	37.1	39.7	33.2	33.9	36.2	38.7	32.4	33.1	35.4	37.8	30.8	31.4	33.6	35.9	28.5	29.1	31.1	33.3	28.5	29.1	31.1	33.3							
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59	1.00	0.98	0.80	0.59							
		ΔT	24	23	20	16	25	23	20	16	25	24	20	16	25	24	21	16	24	23	20	16	22	22	19	15	22	22	19	15							
kW		2.28	2.33	2.40	2.48	2.46	2.51	2.59	2.67	2.61	2.67	2.75	2.85	2.75	2.81	2.90	3.00	2.86	2.93	3.02	3.13	2.96	3.03	3.13	3.24	2.96	3.03	3.13	3.24								
Amps		10.9	11.1	11.4	11.7	11.6	11.8	12.1	12.5	12.4	12.6	13.0	13.4	13.1	13.3	13.7	14.1	13.8	14.0	14.4	14.9	14.4	14.7	15.2	15.6	14.4	14.7	15.2	15.6								
Hi PR		230	248	261	273	258	278	293	306	294	316	334	348	334	360	380	396	376	405	428	446	416	447	472	493	416	447	472	493								
Lo PR	109	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168	136	144	158	168									
1050	MBh	32.1	32.8	35.1	37.5	31.4	32.1	34.3	36.6	30.6	31.3	33.5	35.8	29.9	30.5	32.6	34.9	28.4	29.0	31.0	33.1	26.3	26.9	28.7	30.7	26.3	26.9	28.7	30.7								
	S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.94	0.77	0.57	1.00	0.94	0.77	0.57								
	ΔT	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15	23	22	19	15								
	kW	2.23	2.27	2.35	2.42	2.40	2.45	2.53	2.61	2.55	2.60	2.69	2.77	2.68	2.74	2.83	2.92	2.79	2.85	2.95	3.05	2.89	2.95	3.05	3.15	2.89	2.95	3.05	3.15								
	Amps	10.7	10.9	11.1	11.5	11.3	11.5	11.8	12.2	12.1	12.3	12.7	13.1	12.8	13.0	13.4	13.8	13.4	13.7	14.1	14.5	14.1	14.4	14.8	15.3	14.1	14.4	14.8	15.3								
	Hi PR	223	240	254	265	250	269	285	297	285	306	324	338	324	349	369	384	365	393	415	433	403	434	458	478	403	434	458	478								
Lo PR	105	112	122	130	111	118	129	138	116	123	134	143	121	129	141	150	127	135	148	157	132	140	153	163	132	140	153	163									
85	1350	MBh	36.5	37.2	39.0	41.6	35.6	36.3	38.1	40.6	34.8	35.5	37.1	39.6	33.9	34.6	36.2	38.7	32.2	32.9	34.4	36.7	29.9	30.4	31.9	34.0	32.2	32.9	34.4	36.7							
		S/T	1.00	0.96	0.87	0.70	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	0.95	0.81	1.00	1.00	0.95	0.81							
		ΔT	25	24	23	20	24	25	23	20	24	24	23	20	23	24	24	20	22	22	23	20	20	21	22	19	20	21	22	19							
		kW	2.32	2.37	2.44	2.52	2.50	2.55	2.63	2.72	2.65	2.71	2.80	2.89	2.79	2.85	2.95	3.05	2.91	2.98	3.07	3.18	3.01	3.08	3.18	3.29	2.91	2.98	3.08	3.18							
		Amps	11.0	11.3	11.5	11.9	11.7	12.0	12.3	12.7	12.6	12.8	13.2	13.6	13.3	13.5	13.9	14.4	14.0	14.3	14.7	15.1	14.7	15.0	15.4	15.9	14.7	15.0	15.4	15.9							
		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							
	Lo PR	111	118	129	137	117	124	136	145	122	129	141	150	128	136	148	158	134	142	155	166	138	147	161	171	138	147	161	171								
	1200	MBh	35.4	36.1	37.8	40.4	34.6	35.3	36.9	39.4	33.8	34.4	36.1	38.5	33.0	33.6	35.2	37.5	31.3	31.9	33.4	35.7	29.0	29.6	31.0	33.0	31.3	31.9	33.4	35.7							
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77	1.00	1.00	0.95	0.77							
		ΔT	26	25	24	21	26	26	24	21	26	26	24	21	25	26	25	21	24	24	24	21	22	23	20	20	23	23	20	20							
kW		2.30	2.35	2.42	2.50	2.48	2.53	2.61	2.70	2.63	2.69	2.78	2.87	2.77	2.83	2.92	3.02	2.89	2.95	3.05	3.15	2.99	3.05	3.16	3.26	2.89	2.95	3.05	3.16								
Amps		11.0	11.2	11.5	11.8	11.7	11.9	12.2	12.6	12.5	12.7	13.1	13.5	13.2	13.4	13.8	14.2	13.9	14.2	14.5	15.0	14.6	14.9	15.3	15.8	14.6	14.9	15.3	15.8								
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								
Lo PR	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170	137	146	159	170									
1050	MBh	32.7	33.3	34.9	37.2	31.9	32.6	34.1	36.4	31.2	31.8	33.3	35.5	30.4	31.0	32.5	34.6	28.9	29.5	30.9	32.9	26.8	27.3	28.6	30.5	26.8	27.3	28.6	30.5								
	S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74	1.00	1.00	0.92	0.74								
	ΔT	26	26	24	21	27	26	25	21	27	26	25	21	27	26	25	22	25	26	25	21	23	24	23	20	23	24	23	20								
	kW	2.25	2.29	2.36	2.44	2.42	2.47	2.55	2.63	2.57	2.62	2.71	2.80	2.70	2.76	2.85	2.95	2.81	2.88	2.97	3.07	2.91	2.98	3.08	3.18	2.91	2.98	3.08	3.18								
	Amps	10.7	10.9	11.2	11.5	11.4	11.6	11.9	12.3	12.2	12.4	12.8	13.2	12.9	13.1	13.5	13.9	13.5	13.8	14.2	14.7	14.2	14.5	14.9	15.4	14.2	14.5	14.9	15.4								
	Hi PR	225	243	256	267	253	272	287	300	288	310	327	341	328	353	372	388	369	397	419	437	407	438	463	483	407	438	463	483								
Lo PR	106	113	124	132	112	120	130	139	117	124	136	144	123	130	142	152	129	137	149	159	133	141	154	164	133</												

EXPANDED COOLING DATA — APH1543M41**

		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		AIRFLOW		59	63	67	71	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	1400	MBh	39.2	40.7	44.5	-	38.3	39.7	43.5	-	37.4	38.8	42.5	-	36.5	37.8	41.4	-	34.7	35.9	39.4	-	32.1	33.3	36.5	-	30.9	32.0	35.0	-	28.7	29.8	32.8	-			
		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	-	0.83	0.70	0.54	-	0.85	0.72	0.56	-			
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	16	14	10	-	15	13	9	-			
		kW	2.51	2.57	2.65	-	2.71	2.77	2.85	-	2.88	2.94	3.04	-	3.03	3.10	3.20	-	3.16	3.23	3.33	-	3.27	3.34	3.45	-	3.20	3.27	3.38	-	3.13	3.20	3.31	-			
		Amps	11.9	12.2	12.5	-	12.8	13.0	13.4	-	13.7	14.0	14.4	-	14.5	14.8	15.3	-	15.3	15.7	16.1	-	16.1	16.5	17.0	-	15.8	16.2	16.7	-	15.5	15.9	16.4	-			
	1250	Hi PR	228	245	259	-	256	275	291	-	291	313	331	-	331	357	377	-	373	401	424	-	412	443	468	-	408	439	463	-	404	435	459	-			
		Lo PR	107	114	124	-	113	120	131	-	118	125	136	-	123	131	143	-	129	138	150	-	134	142	155	-	132	141	154	-	128	136	149	-			
		MBh	38.1	39.5	43.2	-	37.2	38.5	42.2	-	36.3	37.6	41.2	-	35.4	36.7	40.2	-	33.7	34.9	38.2	-	31.2	32.3	35.4	-	30.9	32.0	35.0	-	28.7	29.8	32.8	-			
		S/T	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.77	0.64	0.45	-	0.79	0.66	0.50	-	0.81	0.68	0.51	-			
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-	17	14	10	-	16	13	9	-			
1200	kW	2.49	2.55	2.63	-	2.69	2.74	2.83	-	2.85	2.92	3.01	-	3.00	3.07	3.17	-	3.13	3.20	3.31	-	3.24	3.31	3.42	-	3.18	3.25	3.36	-	3.11	3.18	3.29	-				
	Amps	11.8	12.1	12.4	-	12.7	12.9	13.3	-	13.6	13.9	14.3	-	14.4	14.7	15.1	-	15.2	15.5	16.0	-	16.0	16.4	16.9	-	15.8	16.2	16.7	-	15.5	15.9	16.4	-				
	Hi PR	226	243	257	-	253	273	288	-	288	310	327	-	328	353	373	-	369	397	419	-	408	439	463	-	404	435	459	-	399	430	454	-				
	Lo PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	132	141	154	-	130	139	152	-	126	134	147	-				
	MBh	37.7	39.1	42.8	-	36.8	38.2	41.8	-	35.9	37.3	40.8	-	35.1	36.3	39.8	-	33.3	34.5	37.8	-	30.9	32.0	35.0	-	30.9	32.0	35.0	-	28.7	29.8	32.8	-				
75	1400	S/T	0.66	0.55	0.38	-	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.77	0.64	0.45	-	0.79	0.66	0.50	-	0.81	0.68	0.51	-			
		ΔT	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-	17	14	10	-	16	13	9	-			
		kW	2.47	2.52	2.60	-	2.66	2.71	2.80	-	2.82	2.89	2.98	-	2.97	3.04	3.14	-	3.10	3.17	3.27	-	3.20	3.28	3.38	-	3.18	3.25	3.36	-	3.11	3.18	3.29	-			
		Amps	11.7	12.0	12.3	-	12.5	12.8	13.1	-	13.5	13.7	14.1	-	14.3	14.6	15.0	-	15.1	15.4	15.8	-	15.8	16.2	16.7	-	15.8	16.2	16.7	-	15.5	15.9	16.4	-			
		Hi PR	223	240	253	-	250	269	284	-	284	306	323	-	324	348	368	-	364	392	414	-	403	433	457	-	400	431	455	-	396	427	451	-			
	1250	Lo PR	105	111	121	-	110	118	128	-	115	122	133	-	121	128	140	-	126	134	147	-	131	139	152	-	129	137	150	-	125	133	146	-			
		MBh	39.9	41.1	44.5	47.7	39.0	40.1	43.4	46.6	38.0	39.2	42.4	45.5	37.1	38.2	41.3	44.4	35.2	36.3	39.3	42.2	32.7	33.6	36.4	39.1	31.7	32.6	35.3	37.9	31.7	32.6	35.3	37.9			
		S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	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	0.93	0.83	0.64	0.41	0.94	0.84	0.65	0.42			
		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	20	18	15	11	20	19	15	11			
		kW	2.53	2.59	2.67	2.76	2.73	2.79	2.88	2.97	2.90	2.97	3.06	3.16	3.05	3.12	3.22	3.33	3.18	3.25	3.36	3.48	3.30	3.37	3.48	3.60	3.48	3.55	3.66	3.77	3.88	3.99	4.10	4.21	4.32		
1200	Amps	12.0	12.3	12.6	13.0	12.9	13.1	13.5	13.9	13.8	14.1	14.5	15.0	14.6	15.0	15.4	15.9	15.5	15.8	16.3	16.8	16.3	16.6	17.1	17.7	16.8	17.2	17.7	18.2	18.7	19.2	19.7	20.2				
	Hi PR	230	248	262	273	258	278	294	306	294	316	334	348	335	360	380	397	377	405	428	446	416	448	473	493	446	473	493	513	533	553	573	593				
	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	146	154	166	178	190	202	214	226				
	MBh	38.7	39.9	43.2	46.3	37.8	38.9	42.2	45.2	36.9	38.0	41.1	44.2	36.0	37.1	40.1	43.1	34.2	35.2	38.1	40.9	31.7	32.6	35.3	37.9	31.7	32.6	35.3	37.9	31.7	32.6	35.3	37.9				
	S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.53	0.34	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.87	0.78	0.59	0.38	0.87	0.78	0.59	0.38	0.87	0.78	0.59	0.38				
75	1250	ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11	20	19	15	11	20	19	15	11			
		kW	2.51	2.57	2.65	2.73	2.71	2.77	2.86	2.95	2.88	2.94	3.04	3.14	3.03	3.10	3.20	3.31	3.16	3.23	3.33	3.45	3.27	3.34	3.45	3.57	3.45	3.52	3.63	3.74	3.85	3.96	4.07	4.18			
		Amps	11.9	12.2	12.5	12.9	12.8	13.0	13.4	13.8	13.7	14.0	14.4	14.9	14.5	14.8	15.3	15.8	15.3	15.7	16.1	16.7	16.1	16.5	17.0	17.6	16.8	17.2	17.7	18.2	18.7	19.2	19.7	20.2			
		Hi PR	228	245	259	270	256	275	291	303	291	313	331	345	331	357	377	393	373	401	424	442	412	443	468	488	442	473	493	513	533	553	573	593			
		Lo PR	107	114	124	132	113	120	131	140	118	125	137	145	123	131	143	153	129	138	150	160	134	142	155	166	146	154	166	178	190	202	214	226			
75	1200	MBh	38.3	39.5	42.7	45.9	37.4	38.6	41.7	44.8	36.6	37.6	40.7	43.7	35.7	36.7	39.7	42.7	33.9	34.9	37.8	40.5	31.4	32.3	35.0	37.5	31.4	32.3	35.0	37.5	31.4	32.3	35.0	37.5			
		S/T	0.75	0.67	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.87	0.77	0.59	0.38	0.87	0.77	0.59	0.38	0.87	0.77	0.59	0.38			
		ΔT	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	21	17	12	21	19	16	11	20	19	16	11	20	19	16	11			
		kW	2.49	2.54	2.62	2.71	2.68	2.74	2.82	2.92	2.85	2.91	3.00	3.10	3.00	3.06	3.16	3.27	3.12	3.19	3.30	3.41	3.23	3.30	3.41	3.53	3.41	3.48	3.59	3.7.							

EXPANDED COOLING DATA — APH1543M41** (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																																							
		65°F						75°F						85°F						95°F						105°F						115°F									
IDB	AIRFLOW	59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167	171	175	179	183	187	191	195	199	203			
80	1400	MBh	40.6	41.5	44.3	47.4	39.7	40.5	43.3	46.3	38.7	39.6	42.3	45.2	37.8	38.6	41.2	44.1	35.9	36.7	39.2	41.9	33.2	34.0	36.3	38.8															
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.94	0.76	0.57	1.00	0.94	0.77	0.57															
		ΔT	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15															
		kW	2.56	2.61	2.69	2.78	2.75	2.81	2.90	3.00	2.93	2.99	3.09	3.19	3.08	3.15	3.25	3.36	3.21	3.28	3.39	3.51	3.32	3.40	3.51	3.63															
		Amps	12.1	12.4	12.7	13.1	13.0	13.2	13.6	14.0	13.9	14.2	14.6	15.1	14.8	15.1	15.5	16.0	15.6	15.9	16.4	17.0	16.4	16.8	17.3	17.9															
		Hi PR	233	250	264	276	261	281	297	309	297	319	337	352	338	364	384	401	380	409	432	451	420	452	478	498															
		Lo PR	109	116	127	135	115	123	134	143	120	128	139	148	126	134	146	156	132	140	153	163	137	145	159	169															
	1250	MBh	39.4	40.3	43.0	46.0	38.5	39.3	42.0	44.9	37.6	38.4	41.0	43.9	36.7	37.5	40.0	42.8	34.8	35.6	38.0	40.6	32.3	33.0	35.2	37.7															
		S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55															
		ΔT	24	23	20	16	25	23	20	16	25	24	20	16	25	24	21	16	24	23	20	16	23	22	19	15															
		kW	2.54	2.59	2.67	2.76	2.73	2.79	2.88	2.97	2.90	2.97	3.06	3.16	3.05	3.12	3.23	3.33	3.18	3.25	3.36	3.48	3.30	3.37	3.48	3.60															
		Amps	12.0	12.3	12.6	13.0	12.9	13.1	13.5	13.9	13.8	14.1	14.5	15.0	14.6	15.0	15.4	15.9	15.5	15.8	16.3	16.8	16.3	16.6	17.1	17.7															
		Hi PR	230	248	262	273	258	278	294	306	294	316	334	348	335	360	380	397	377	405	428	446	416	448	473	493															
		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															
1200	MBh	39.0	39.9	42.6	45.5	38.1	38.9	41.6	44.5	37.2	38.0	40.6	43.4	36.3	37.1	39.6	42.4	34.5	35.2	37.6	40.2	31.9	32.6	34.9	37.3																
	S/T	0.83	0.78	0.63	0.47	0.86	0.80	0.65	0.49	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.95	0.89	0.72	0.54																
	ΔT	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	15																
	kW	2.51	2.56	2.64	2.73	2.70	2.76	2.85	2.94	2.87	2.93	3.03	3.13	3.02	3.09	3.19	3.30	3.15	3.22	3.33	3.44	3.26	3.33	3.44	3.56																
	Amps	11.9	12.1	12.5	12.9	12.7	13.0	13.4	13.8	13.7	14.0	14.4	14.8	14.5	14.8	15.2	15.7	15.3	15.6	16.1	16.6	16.1	16.5	17.0	17.5																
	Hi PR	227	245	258	269	255	275	290	302	290	312	330	344	330	356	376	392	372	400	422	441	411	442	467	487																
	Lo PR	107	114	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	160	133	142	155	165																
85	1400	MBh	41.3	42.1	44.1	47.0	40.3	41.1	43.1	45.9	39.4	40.1	42.0	44.9	38.4	39.2	41.0	43.8	36.5	37.2	39.0	41.6	33.8	34.5	36.1	38.5															
		S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75															
		ΔT	25	25	23	20	25	25	23	20	25	25	23	20	25	25	24	20	24	24	23	20	22	23	22	19															
		kW	2.58	2.63	2.71	2.80	2.77	2.83	2.93	3.02	2.95	3.02	3.11	3.22	3.11	3.17	3.28	3.39	3.24	3.31	3.42	3.54	3.35	3.43	3.54	3.66															
		Amps	12.2	12.5	12.8	13.2	13.1	13.3	13.7	14.2	14.0	14.3	14.7	15.2	14.9	15.2	15.6	16.2	15.7	16.1	16.5	17.1	16.6	16.9	17.4	18.0															
		Hi PR	235	253	267	278	264	284	300	312	300	323	341	355	342	368	388	405	384	413	437	455	425	457	482	503															
		Lo PR	110	117	128	136	117	124	135	144	121	129	141	154	127	135	148	157	133	142	155	165	138	147	160	171															
	1250	MBh	40.1	40.9	42.8	45.7	39.2	39.9	41.8	44.6	38.2	39.0	40.8	43.5	37.3	38.0	39.8	42.5	35.4	36.1	37.8	40.4	32.8	33.5	35.0	37.4															
		S/T	0.88	0.85	0.76	0.62	0.91	0.88	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.88	0.71															
		ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	26	26	24	21	24	24	23	20															
		kW	2.56	2.61	2.69	2.78	2.75	2.81	2.90	3.00	2.93	2.99	3.09	3.19	3.08	3.15	3.25	3.36	3.21	3.28	3.39	3.51	3.32	3.40	3.51	3.63															
		Amps	12.1	12.4	12.7	13.1	13.0	13.2	13.6	14.0	13.9	14.2	14.6	15.1	14.8	15.1	15.5	16.0	15.6	15.9	16.4	17.0	16.4	16.8	17.3	17.9															
		Hi PR	233	250	264	276	261	281	297	309	297	319	337	352	338	364	384	401	380	409	432	451	420	452	478	498															
		Lo PR	109	116	127	135	115	123	134	143	120	128	139	148	126	134	146	156	132	140	153	163	137	145	159	169															
1200	MBh	39.7	40.5	42.4	45.2	38.8	39.5	41.4	44.2	37.9	38.6	40.4	43.1	36.9	37.6	39.4	42.1	35.1	35.8	37.5	40.0	32.5	33.1	34.7	37.0																
	S/T	0.87	0.84	0.76	0.61	0.90	0.87	0.78	0.63	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.96	0.87	0.70																
	ΔT	26	26	25	21	27	26	25	21	27	26	25	22	27	26	25	22	27	26	25	21	25	24	23	20																
	kW	2.53	2.58	2.66	2.75	2.72	2.78	2.87	2.97	2.90	2.96	3.06	3.16	3.05	3.11	3.2																									

EXPANDED COOLING DATA — APH1549M41** – LOW STAGE

		OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
IDB	AIRFLOW	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	MBh	33.4	34.6	37.9	-	32.6	33.8	37.0	-	31.8	33.0	36.1	-	31.0	32.2	35.2	-	29.5	30.6	33.5	-	27.3	28.3	31.0	-
	S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
	ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-
	1350 kW	2.16	2.21	2.27	-	2.32	2.37	2.44	-	2.46	2.51	2.59	-	2.58	2.64	2.72	-	2.69	2.74	2.83	-	2.78	2.84	2.93	-
	Amps	9.3	9.5	9.7	-	9.9	10.1	10.4	-	10.6	10.8	11.2	-	11.2	11.5	11.8	-	11.9	12.1	12.5	-	12.5	12.7	13.1	-
	Hi PR	217	233	247	-	243	262	277	-	277	298	315	-	315	339	358	-	355	382	403	-	392	422	445	-
	Lo PR	113	120	131	-	119	127	139	-	124	132	144	-	130	139	151	-	137	145	159	-	141	150	164	-
	MBh	32.4	33.6	36.8	-	31.6	32.8	35.9	-	30.9	32.0	35.1	-	30.1	31.2	34.2	-	28.6	29.7	32.5	-	26.5	27.5	30.1	-
	S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	1200 kW	2.15	2.19	2.26	-	2.30	2.35	2.42	-	2.44	2.49	2.57	-	2.56	2.62	2.70	-	2.67	2.72	2.81	-	2.75	2.81	2.90	-
	Amps	9.2	9.4	9.7	-	9.9	10.0	10.3	-	10.6	10.8	11.1	-	11.2	11.4	11.7	-	11.8	12.0	12.4	-	12.4	12.6	13.0	-
	Hi PR	215	231	244	-	241	259	274	-	274	295	311	-	312	336	355	-	351	378	399	-	388	418	441	-
	Lo PR	112	119	130	-	118	126	137	-	123	131	143	-	129	137	150	-	135	144	157	-	140	149	163	-
1050	MBh	29.9	31.0	34.0	-	29.2	30.3	33.2	-	28.5	29.5	32.4	-	27.8	28.8	31.6	-	26.4	27.4	30.0	-	24.5	25.4	27.8	-
	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	-
	ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
	1050 kW	2.10	2.14	2.20	-	2.25	2.30	2.37	-	2.38	2.43	2.51	-	2.50	2.55	2.63	-	2.60	2.66	2.74	-	2.69	2.74	2.83	-
	Amps	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.3	10.5	10.8	-	10.9	11.1	11.4	-	11.5	11.7	12.1	-	12.1	12.3	12.7	-
	Hi PR	208	224	237	-	234	252	266	-	266	286	302	-	303	326	344	-	341	367	387	-	376	405	428	-
	Lo PR	109	116	126	-	115	122	133	-	119	127	138	-	125	133	145	-	131	140	152	-	136	144	158	-

1350	MBh	33.9	34.9	37.8	40.6	33.1	34.1	36.9	39.6	32.4	33.3	36.1	38.7	31.6	32.5	35.2	37.8	30.0	30.9	33.4	35.9	27.8	28.6	31.0	33.2
	S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43
	ΔT	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	19	15	11	19	17	14	10
	kW	2.18	2.22	2.29	2.36	2.34	2.39	2.46	2.54	2.48	2.53	2.61	2.69	2.60	2.66	2.74	2.83	2.71	2.77	2.85	2.95	2.80	2.86	2.95	3.05
	Amps	9.4	9.6	9.8	10.1	10.0	10.2	10.5	10.8	10.7	10.9	11.2	11.6	11.3	11.6	11.9	12.3	12.0	12.2	12.6	13.0	12.6	12.8	13.2	13.6
	Hi PR	219	236	249	260	246	265	279	291	280	301	318	331	319	343	362	378	358	386	407	425	396	426	450	469
	Lo PR	114	121	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177
	1200	MBh	32.9	33.9	36.7	39.4	32.2	33.1	35.9	38.5	31.4	32.3	35.0	37.6	30.6	31.6	34.2	36.7	29.1	30.0	32.4	34.8	27.0	27.8	30.1
S/T		0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
ΔT		21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10
kW		2.16	2.21	2.27	2.34	2.32	2.37	2.44	2.52	2.46	2.51	2.59	2.67	2.58	2.64	2.72	2.81	2.69	2.74	2.83	2.92	2.78	2.84	2.93	3.02
Amps		9.3	9.5	9.7	10.0	9.9	10.1	10.4	10.7	10.6	10.9	11.2	11.5	11.2	11.5	11.8	12.2	11.9	12.1	12.5	12.9	12.5	12.7	13.1	13.5
Hi PR		217	233	247	257	243	262	277	289	277	298	315	328	315	339	358	374	355	382	403	421	392	422	445	465
Lo PR		113	120	131	140	119	127	139	148	124	132	144	154	130	139	151	161	137	145	159	169	141	150	164	175
1050		MBh	30.4	31.3	33.9	36.4	29.7	30.6	33.1	35.5	29.0	29.9	32.3	34.7	28.3	29.1	31.5	33.8	26.9	27.7	29.9	32.1	24.9	25.6	27.7
	S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	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
	ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
	kW	2.11	2.16	2.22	2.29	2.27	2.31	2.38	2.46	2.40	2.45	2.53	2.61	2.52	2.57	2.65	2.74	2.62	2.68	2.76	2.85	2.71	2.77	2.86	2.95
	Amps	9.1	9.3	9.5	9.8	9.7	9.9	10.2	10.5	10.4	10.6	10.9	11.2	11.0	11.2	11.5	11.9	11.6	11.8	12.2	12.6	12.2	12.4	12.8	13.2
	Hi PR	210	226	239	249	236	254	268	280	269	289	305	318	306	329	348	363	344	370	391	408	380	409	432	451
	Lo PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	156	133	141	154	164	137	146	159	170

EXPANDED COOLING DATA — APH1549M41** — LOW STAGE (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																																					
		65°F						75°F						85°F						95°F						105°F						115°F							
IDB	AIRFLOW	59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167	171	175	179	183	187	191	195			
		ENTERING INDOOR WET BULB TEMPERATURE																																					
80	1350	MBh	34.5	35.3	37.7	40.3	33.7	34.5	36.8	39.4	32.9	33.6	35.9	38.4	32.1	32.8	35.1	37.5	30.5	31.2	33.3	35.6	28.3	28.9	30.9	33.0													
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62	
		ΔT	22	21	19	15	23	22	19	15	22	22	19	15	22	22	19	15	21	21	19	15	19	20	18	14													
		kW	2.20	2.24	2.31	2.38	2.36	2.41	2.48	2.56	2.50	2.55	2.63	2.71	2.62	2.68	2.76	2.85	2.73	2.79	2.88	2.97	2.82	2.88	2.98	3.07													
		Amps	9.5	9.6	9.9	10.2	10.1	10.3	10.6	10.9	10.8	11.0	11.3	11.7	11.4	11.7	12.0	12.4	12.0	12.3	12.7	13.1	12.7	12.9	13.3	13.8													
		Hi PR	221	238	252	262	248	267	282	294	282	304	321	335	322	346	366	381	362	390	411	429	400	430	454	474													
		Lo PR	115	123	134	143	122	130	142	151	127	135	147	157	133	142	155	165	139	148	162	172	144	153	168	178													
		MBh	33.5	34.3	36.6	39.1	32.7	33.5	35.8	38.2	32.0	32.7	34.9	37.3	31.2	31.9	34.1	36.4	29.6	30.3	32.3	34.6	27.4	28.0	30.0	32.0													
80		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59													
		ΔT	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	23	22	20	16	21	21	18	15													
		kW	2.18	2.22	2.29	2.36	2.34	2.39	2.46	2.54	2.48	2.53	2.61	2.69	2.60	2.66	2.74	2.83	2.71	2.77	2.85	2.95	2.80	2.86	2.95	3.05													
		Amps	9.4	9.6	9.8	10.1	10.0	10.2	10.5	10.8	10.7	10.9	11.2	11.6	11.3	11.6	11.9	12.3	12.0	12.2	12.6	13.0	12.6	12.8	13.2	13.6													
		Hi PR	219	236	249	260	246	265	279	291	280	301	318	332	319	343	362	378	358	386	407	425	396	426	450	469													
		Lo PR	114	122	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177													
		MBh	30.9	31.6	33.8	36.1	30.2	30.9	33.0	35.3	29.5	30.2	32.2	34.4	28.8	29.4	31.4	33.6	27.3	27.9	29.9	31.9	25.3	25.9	27.7	29.6													
	1050		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.94	0.77	0.57												
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15													
		kW	2.13	2.17	2.24	2.31	2.28	2.33	2.40	2.48	2.42	2.47	2.55	2.63	2.54	2.59	2.68	2.76	2.64	2.70	2.78	2.87	2.73	2.79	2.88	2.97													
		Amps	9.2	9.4	9.6	9.9	9.8	10.0	10.2	10.6	10.5	10.7	11.0	11.3	11.1	11.3	11.6	12.0	11.7	11.9	12.3	12.7	12.3	12.5	12.9	13.3													
		Hi PR	213	229	242	252	239	257	271	283	271	292	308	322	309	333	351	366	348	374	395	412	384	413	436	455													
		Lo PR	111	118	129	137	117	125	136	145	122	129	141	150	128	136	148	158	134	142	156	166	139	147	161	171													

85	1350	MBh	35.1	35.8	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5	100.0	102.5	105.0	107.5	110.0	112.5	115.0	117.5	120.0	122.5	125.0	127.5	130.0	132.5	135.0	137.5	140.0	142.5	145.0	147.5	150.0	152.5	155.0	157.5	160.0	162.5	165.0	167.5	170.0	172.5	175.0	177.5	180.0	182.5	185.0	187.5	190.0	192.5	195.0	197.5	200.0	202.5	205.0	207.5	210.0	212.5	215.0	217.5	220.0	222.5	225.0	227.5	230.0	232.5	235.0	237.5	240.0	242.5	245.0	247.5	250.0	252.5	255.0	257.5	260.0	262.5	265.0	267.5	270.0	272.5	275.0	277.5	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5	300.0	302.5	305.0	307.5	310.0	312.5	315.0	317.5	320.0	322.5	325.0	327.5	330.0	332.5	335.0	337.5	340.0	342.5	345.0	347.5	350.0	352.5	355.0	357.5	360.0	362.5	365.0	367.5	370.0	372.5	375.0	377.5	380.0	382.5	385.0	387.5	390.0	392.5	395.0	397.5	400.0	402.5	405.0	407.5	410.0	412.5	415.0	417.5	420.0	422.5	425.0	427.5	430.0	432.5	435.0	437.5	440.0	442.5	445.0	447.5	450.0	452.5	455.0	457.5	460.0	462.5	465.0	467.5	470.0	472.5	475.0	477.5	480.0	482.5	485.0	487.5	490.0	492.5	495.0	497.5	500.0	502.5	505.0	507.5	510.0	512.5	515.0	517.5	520.0	522.5	525.0	527.5	530.0	532.5	535.0	537.5	540.0	542.5	545.0	547.5	550.0	552.5	555.0	557.5	560.0	562.5	565.0	567.5	570.0	572.5	575.0	577.5	580.0	582.5	585.0	587.5	590.0	592.5	595.0	597.5	600.0	602.5	605.0	607.5	610.0	612.5	615.0	617.5	620.0	622.5	625.0	627.5	630.0	632.5	635.0	637.5	640.0	642.5	645.0	647.5	650.0	652.5	655.0	657.5	660.0	662.5	665.0	667.5	670.0	672.5	675.0	677.5	680.0	682.5	685.0	687.5	690.0	692.5	695.0	697.5	700.0	702.5	705.0	707.5	710.0	712.5	715.0	717.5	720.0	722.5	725.0	727.5	730.0	732.5	735.0	737.5	740.0	742.5	745.0	747.5	750.0	752.5	755.0	757.5	760.0	762.5	765.0	767.5	770.0	772.5	775.0	777.5	780.0	782.5	785.0	787.5	790.0	792.5	795.0	797.5	800.0	802.5	805.0	807.5	810.0	812.5	815.0	817.5	820.0	822.5	825.0	827.5	830.0	832.5	835.0	837.5	840.0	842.5	845.0	847.5	850.0	852.5	855.0	857.5	860.0	862.5	865.0	867.5	870.0	872.5	875.0	877.5	880.0	882.5	885.0	887.5	890.0	892.5	895.0	897.5	900.0	902.5	905.0	907.5	910.0	912.5	915.0	917.5	920.0	922.5	925.0	927.5	930.0	932.5	935.0	937.5	940.0	942.5	945.0	947.5	950.0	952.5	955.0	957.5	960.0	962.5	965.0	967.5	970.0	972.5	975.0	977.5	980.0	982.5	985.0	987.5	990.0	992.5	995.0	997.5	1000.0	1002.5	1005.0	1007.5	1010.0	1012.5	1015.0	1017.5	1020.0	1022.5	1025.0	1027.5	1030.0	1032.5	1035.0	1037.5	1040.0	1042.5	1045.0	1047.5	1050.0	1052.5	1055.0	1057.5	1060.0	1062.5	1065.0	1067.5	1070.0	1072.5	1075.0	1077.5	1080.0	1082.5	1085.0	1087.5	1090.0	1092.5	1095.0	1097.5	1100.0	1102.5	1105.0	1107.5	1110.0	1112.5	1115.0	1117.5	1120.0	1122.5	1125.0	1127.5	1130.0	1132.5	1135.0	1137.5	1140.0	1142.5	1145.0	1147.5	1150.0	1152.5	1155.0	1157.5	1160.0	1162.5	1165.0	1167.5	1170.0	1172.5	1175.0	1177.5	1180.0	1182.5	1185.0	1187.5	1190.0	1192.5	1195.0	1197.5	1200.0	1202.5	1205.0	1207.5	1210.0	1212.5	1215.0	1217.5	1220.0	1222.5	1225.0	1227.5	1230.0	1232.5	1235.0	1237.5	1240.0	1242.5	1245.0	1247.5	1250.0	1252.5	1255.0	1257.5	1260.0	1262.5	1265.0	1267.5	1270.0	1272.5	1275.0	1277.5	1280.0	1282.5	1285.0	1287.5	1290.0	1292.5	1295.0	1297.5	1300.0	1302.5	1305.0	1307.5	1310.0	1312.5	1315.0	1317.5	1320.0	1322.5	1325.0	1327.5	1330.0	1332.5	1335.0	1337.5	1340.0	1342.5	1345.0	1347.5	1350.0	1352.5	1355.0	1357.5	1360.0	1362.5	1365.0	1367.5	1370.0	1372.5	1375.0	1377.5	1380.0	1382.5	1385.0	1387.5	1390.0	1392.5	1395.0	1397.5	1400.0	1402.5	1405.0	1407.5	1410.0	1412.5	1415.0	1417.5	1420.0	1422.5	1425.0	1427.5	1430.0	1432.5	1435.0	1437.5	1440.0	1442.5	1445.0	1447.5	1450.0	1452.5	1455.0	1457.5	1460.0	1462.5	1465.0	1467.5	1470.0	1472.5	1475.0	1477.5	1480.0	1482.5	1485.0	1487.5	1490.0	1492.5	1495.0	1497.5	1500.0	1502.5	1505.0	1507.5	1510.0	1512.5	1515.0	1517.5	1520.0	1522.5	1525.0	1527.5	1530.0	1532.5	1535.0	1537.5	1540.0	1542.5	1545.0	1547.5	1550.0	1552.5	1555.0	1557.5	1560.0	1562.5	1565.0	1567.5	1570.0	1572.5	1575.0	1577.5	1580.0	1582.5	1585.0	1587.5	1590.0	1592.5	1595.0	1597.5	1600.0	1602.5	1605.0	1607.5	1610.0	1612.5	1615.0	1617.5	1620.0	1622.5	1625.0	1627.5	1630.0	1632.5	1635.0	1637.5	1640.0	1642.5	1645.0	1647.5	1650.0	1652.5	1655.0	1657.5	1660.0	1662.5	1665.0	1667.5	1670.0	1672.5	1675.0	1677.5	1680.0	1682.5	1685.0	1687.5	1690.0	1692.5	1695.0	1697.5	1700.0	1702.5	1705.0	1707.5	1710.0	1712.5	1715.0	1717.5	1720.0	1722.5	1725.0	1727.5	1730.0	1732.5	1735.0	1737.5	1740.0	1742.5	1745.0	1747.5	1750.0	1752.5	1755.0	1757.5	1760.0	1762.5	1765.0	1767.5	1770.0	1772.5	1775.0	1777.5	1780.0	1782.5	1785.0	1787.5	1790.0	1792.5	1795.0	1797.5	1800.0	1802.5	1805.0	1807.5	1810.0	1812.5	1815.0	1817.5	1820.0	1822.5	1825.0	1827.5	1830.0	1832.5	1835.0	1837.5	1840.0	1842.5	1845.0	1847.5	1850.0	1852.5	1855.0	1857.5	1860.0	1862.5	1865.0	1867.5	1870.0	1872.5	1875.0	1877.5	1880.0	1882.5	1885.0	1887.5	1890.0	1892.5	1895.0	1897.5	1900.0	1902.5	1905.0	1907.5	1910.0	1912.5	1915.0	1917.5	1920.0	1922.5	1925.0	1927.5	1930.0	1932.5	1935.0	1937.5	1940.0	1942.5	1945.0	1947.5	1950.0	1952.5	1955.0	1957.5	1960.0	1962.5	1965.0	1967.5	1970.0	1972.5	1975.0	1977.5	1980.0	1982.5	1985.0	1987.5	1990.0	1992.5	1995.0	1997.5	2000.0	2002.5	2005.0	2007.5	2010.0	2012.5	2015.0	2017.5	2020.0	2022.5	2025.0	2027.5	2030.0	2032.5	2035.0	2037.5	2040.0	2042.5	2045.0	2047.5	2050.0	2052.5	2055.0	2057.5	2060.0	2062.5	2065.0	2067.5	2070.0	2072.5	2075.0	2077.5	2080.0	2082.5	2085.0	2087.5	2090.0	2092.5	2095.0	2097.5	2100.0	2102.5	2105.0	2107.5	2110.0	2112.5	2115.0	2117.5	2120.0	2122.5	2125.0	2127.5	2130.0	2132.5	2135.0	2137.5	2140.0	2142.5	2145.0	2147.5	2150.0	2152.5	2155.0	2157.5	2160.0	2162.5	2165.0	2167.5	2170.0	2172.5	2175.0	2177.5	2180.0	2182.5	2185.0	2187.5	2190.0	2192.5	2195.0	2197.5	2200.0	2202.5	2205.0	2207.5	2210.0	2212.5	2215.0	2217.5	2220.0	2222.5	2225.0	2227.5	2230.0	2232.5	2235.0	2237.5	2240.0	2242.5	2245.0	2247.5	2250.0	2252.5	2255.0	2257.5	2260.0	2262.5	2265.0	2267.5	2270.0	2272.5	2275.0	2277.5	2280.0	2282.5	2285.0	2287.5	2290.0	2292.5	2295.0	2297.5	2300.0	2302.5	2305.0	2307.5	2310.0	2312.5	2315.0	2317.5	2320.0	2322.5	2325.0	2327.5	2330.0	2332.5	2335.0	2337.5	2340.0	2342.5	2345.0	2347.5	2350.0	2352.5	2355.0	2357.5	2360.0	2362.5	2365.0	2367.5	2370.0	2372.5	2375.0	2377.5	2380.0	2382.5	2385.0	2387.5	2390.0	2392.5	2395.0	2397.5	2400.0	2402.5	2405.0	2407.5	2410.0	2412.5	2415.0	2417.5	2420.0	2422.5	2425.0	2427.5	2430.0	2432.5	2435.0	2437.5	2440.0	2442.5	2445.0	2447.5	2450.0	2452.5	2455.0	2457.5	2460.0	2462.5	2465.0	2467.5	2470.0	2472.5	2475.0	2477.5	2480.0	2482.5	2485.0	2487.5	2490.0	2492.5	2495.0	2497.5	2500.0	2502.5	2505.0	2507.5	2510.0	2512.5	2515.0	2517.5	2520.0	2522.5	2525.0	2527.5	2530.0	2532.5	2535.0	2537.5	2540.0	2542.5	2545.0	2547.5	2550.0	2552.5	2555.0	2557.5	2560.0	2562.5	2565.0	2567.5	2570.0	2572.5	2575.0	2577.5	2580.0	2582.5	2585.0	2587.5	2590.0	2592.5	2595.0	2597.5	2600.0	2602.5	2605.0	2607.5	2610.0	2612.5	2615.0	2617.5	2620.0	2622.5	2625.0	2627.5	2630.0	2632.5	2635.0	2637.5	2640.0	2642.5	2645.0	2647.5	2650.0	2652.5	2655.0	2657.5	2660.0	2662.5	2665.0	2667.5	2670.0	2672.5	2675.0	2677.5	2680.0	2682.5	2685.0	2687.5	2690.0	2692.5	2695.0	2697.5	2700.0	2702.5	2705.0	2707.5	2710.0	2712.5	2715.0	2717.5	2720.0	2722.5	2725.0	2727.5	2730.0	2732.5	2735.0	2737.5	2740.0	2742.5	2745.0	2747.5	2750.0	2752.5	2755.0	2757.5	2760.0	2762.5	2765.0	2767.5	2770.0	2772.5	2775.0	2777.5	2780.0	2782.5	2785.0	2787.5	2790.0	2792.5	2795.0	2797.5	2800.0	2802.5	2805.0	2807.5	2810.0	2812.5	2815.0	2817.5	2820.0	2822.5	2825.0	2827.5	2830.0	2832.5	2835.0	2837.5	2840.0	2842.5	2845.0	2847.5	2850.0	2852.5	2855.0	2857.5	2860.0	2862.5	2865.0	2867.5	2870.0	2872.5	2875.0	2877.5	2880.0	2882.5	2885.0	2887.5	2890.0	2892.5	2895.0	2897.5	2900.0	2902.5	2905.0	2907.5	2910.0	2912.5	2915.0	2917.5	2920.0	2922.5	2925.0	2927.5	2930.0	29
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EXPANDED COOLING DATA — APH1549M41** — HIGH STAGE

		OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
IDB	AIRFLOW	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	MBh	44.8	46.4	50.9	-	43.8	45.4	49.7	-	42.7	44.3	48.5	-	41.7	43.2	47.3	-	39.6	41.0	45.0	-	36.7	38.0	41.7	-
	S/T	0.68	0.57	0.39	-	0.71	0.59	0.41	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-
	ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
	kW	3.05	3.12	3.22	-	3.29	3.36	3.47	-	3.50	3.58	3.69	-	3.68	3.77	3.89	-	3.84	3.93	4.06	-	3.98	4.07	4.20	-
	Amps	13.3	13.5	13.9	-	14.2	14.5	14.9	-	15.2	15.6	16.0	-	16.2	16.5	17.0	-	17.1	17.4	18.0	-	18.0	18.4	18.9	-
	Hi PR	227	244	258	-	254	274	289	-	289	311	329	-	330	355	374	-	371	399	421	-	410	441	465	-
	Lo PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-
	MBh	43.5	45.1	49.4	-	42.5	44.0	48.3	-	41.5	43.0	47.1	-	40.5	41.9	46.0	-	38.4	39.8	43.7	-	35.6	36.9	40.4	-
	S/T	0.65	0.54	0.38	-	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.75	0.62	0.43	-
	ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
1183	kW	3.03	3.09	3.19	-	3.26	3.33	3.44	-	3.47	3.55	3.66	-	3.65	3.73	3.86	-	3.81	3.89	4.02	-	3.94	4.03	4.17	-
	Amps	13.2	13.4	13.8	-	14.1	14.4	14.8	-	15.1	15.4	15.9	-	16.0	16.4	16.9	-	16.9	17.3	17.8	-	17.8	18.2	18.8	-
	Hi PR	224	242	255	-	252	271	286	-	286	308	326	-	326	351	371	-	367	395	417	-	406	436	461	-
	Lo PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
	MBh	40.2	41.6	45.6	-	39.2	40.7	44.5	-	38.3	39.7	43.5	-	37.4	38.7	42.4	-	35.5	36.8	40.3	-	32.9	34.1	37.3	-
	S/T	0.63	0.52	0.36	-	0.65	0.54	0.38	-	0.67	0.56	0.39	-	0.69	0.57	0.40	-	0.71	0.60	0.41	-	0.72	0.60	0.42	-
	ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
	kW	2.96	3.02	3.11	-	3.18	3.25	3.36	-	3.38	3.46	3.57	-	3.56	3.64	3.76	-	3.71	3.79	3.92	-	3.84	3.93	4.06	-
	Amps	12.9	13.1	13.5	-	13.7	14.0	14.4	-	14.8	15.1	15.5	-	15.6	16.0	16.4	-	16.5	16.9	17.4	-	17.4	17.8	18.3	-
	Hi PR	218	234	247	-	244	263	278	-	278	299	316	-	316	341	360	-	356	383	405	-	393	423	447	-
Lo PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-	

1517	MBh	45.6	46.9	50.8	54.5	44.5	45.8	49.6	53.2	43.5	44.7	48.4	52.0	42.4	43.6	47.2	50.7	40.3	41.5	44.9	48.2	37.3	38.4	41.6	44.6
	S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.89	0.80	0.60	0.39
	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	3.08	3.14	3.24	3.35	3.32	3.39	3.50	3.61	3.53	3.61	3.72	3.85	3.71	3.80	3.92	4.06	3.87	3.96	4.09	4.23	4.01	4.10	4.24	4.38
	Amps	13.4	13.7	14.0	14.5	14.3	14.6	15.0	15.5	15.4	15.7	16.2	16.7	16.3	16.6	17.1	17.7	17.2	17.6	18.1	18.7	18.1	18.5	19.1	19.7
	Hi PR	229	246	260	271	257	277	292	305	292	315	332	346	333	358	378	395	374	403	426	444	414	445	470	490
	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
1345	MBh	44.2	45.6	49.3	52.9	43.2	44.5	48.2	51.7	42.2	43.4	47.0	50.5	41.2	42.4	45.9	49.2	39.1	40.3	43.6	46.8	36.2	37.3	40.4	43.3
	S/T	0.74	0.66	0.50	0.32	0.77	0.68	0.52	0.33	0.79	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.85	0.76	0.57	0.37
	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	3.05	3.12	3.22	3.32	3.29	3.36	3.47	3.58	3.50	3.58	3.69	3.82	3.68	3.77	3.89	4.02	3.84	3.93	4.06	4.20	3.98	4.07	4.20	4.35
	Amps	13.3	13.5	13.9	14.4	14.2	14.5	14.9	15.4	15.2	15.6	16.0	16.6	16.2	16.5	17.0	17.6	17.1	17.5	18.0	18.6	18.0	18.4	18.9	19.6
	Hi PR	227	244	258	269	254	274	289	302	289	311	329	343	330	355	375	391	371	399	421	439	410	441	466	486
	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
1183	MBh	40.8	42.0	45.5	48.8	39.9	41.1	44.5	47.7	38.9	40.1	43.4	46.6	38.0	39.1	42.3	45.4	36.1	37.2	40.2	43.2	33.4	34.4	37.3	40.0
	S/T	0.71	0.64	0.48	0.31	0.74	0.66	0.50	0.32	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.82	0.73	0.55	0.36
	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	2.98	3.04	3.14	3.24	3.21	3.28	3.38	3.50	3.41	3.49	3.60	3.72	3.59	3.67	3.79	3.92	3.74	3.83	3.95	4.09	3.88	3.96	4.10	4.23
	Amps	13.0	13.2	13.6	14.0	13.9	14.1	14.5	15.0	14.9	15.2	15.6	16.2	15.8	16.1	16.6	17.1	16.7	17.0	17.5	18.1	17.5	17.9	18.5	19.1
	Hi PR	220	237	250	261	247	266	280	293	281	302	319	333	320	344	363	379	360	387	409	426	397	428	452	471
	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

EXPANDED COOLING DATA — APH1549M41** — HIGH STAGE (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																								
		65°F				75°F				85°F				95°F				105°F				115°F				
IDB	AIRFLOW	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	1517	MBh	46.4	47.4	50.6	54.1	45.3	46.3	49.5	52.9	44.2	45.2	48.3	51.6	43.1	44.1	47.1	50.4	41.0	41.9	44.7	47.8	38.0	38.8	41.4	44.3
		S/T	0.85	0.80	0.65	0.48	0.88	0.83	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.92	0.74	0.56
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	22	19	15
		kW	3.10	3.17	3.27	3.38	3.34	3.42	3.53	3.65	3.56	3.64	3.76	3.88	3.75	3.83	3.96	4.09	3.91	3.99	4.13	4.27	4.04	4.14	4.28	4.42
		Amps	13.5	13.8	14.1	14.6	14.4	14.7	15.1	15.6	15.5	15.8	16.3	16.8	16.4	16.8	17.3	17.9	17.4	17.7	18.3	18.9	18.3	18.7	19.3	19.9
	1345	Hi PR	231	249	263	274	260	279	295	308	295	318	335	350	336	362	382	399	378	407	430	448	418	450	475	495
		Lo PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
		MBh	45.0	46.0	49.2	52.6	44.0	44.9	48.0	51.3	42.9	43.9	46.9	50.1	41.9	42.8	45.7	48.9	39.8	40.7	43.4	46.4	36.9	37.7	40.2	43.0
		S/T	0.81	0.76	0.62	0.46	0.84	0.79	0.64	0.48	0.86	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.87	0.70	0.53	0.93	0.87	0.71	0.53
		ΔT	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	20	16
1183	kW	3.08	3.14	3.24	3.35	3.32	3.39	3.50	3.61	3.53	3.61	3.72	3.85	3.71	3.80	3.92	4.06	3.87	3.96	4.09	4.23	4.01	4.10	4.24	4.38	
	Amps	13.4	13.7	14.0	14.5	14.3	14.6	15.0	15.5	15.4	15.7	16.2	16.7	16.3	16.6	17.1	17.7	17.2	17.6	18.1	18.7	18.1	18.5	19.1	19.7	
	Hi PR	229	246	260	271	257	277	292	305	292	315	332	346	333	358	378	395	375	403	426	444	414	445	470	490	
	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	41.6	42.5	45.4	48.5	40.6	41.5	44.3	47.4	39.6	40.5	43.3	46.2	38.7	39.5	42.2	45.1	36.7	37.5	40.1	42.9	34.0	34.8	37.1	39.7	
	S/T	0.78	0.73	0.60	0.45	0.81	0.76	0.62	0.46	0.83	0.78	0.63	0.47	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.90	0.84	0.68	0.51	
	ΔT	25	24	21	17	26	24	21	17	26	25	21	17	26	25	21	17	25	24	21	17	24	23	20	16	
	kW	3.00	3.07	3.16	3.27	3.24	3.31	3.41	3.52	3.44	3.52	3.63	3.75	3.62	3.70	3.82	3.95	3.78	3.86	3.99	4.12	3.91	4.00	4.13	4.27	
	Amps	13.1	13.3	13.7	14.1	14.0	14.3	14.7	15.1	15.0	15.3	15.8	16.3	15.9	16.2	16.7	17.3	16.8	17.2	17.7	18.3	17.7	18.1	18.6	19.2	
	Hi PR	222	239	252	263	249	268	283	295	284	305	322	336	323	348	367	383	363	391	413	431	401	432	456	476	
	Lo PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162	

EXPANDED COOLING DATA — APH1560M41** – LOW STAGE

		OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
IDB	AIRFLOW	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	MBh	39.6	41.1	45.0	-	38.7	40.1	43.9	-	37.8	39.2	42.9	-	36.9	38.2	41.9	-	35.0	36.3	39.8	-	32.4	33.6	36.8	-
	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-
	ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
	kW	2.79	2.85	2.93	-	3.00	3.06	3.16	-	3.18	3.25	3.35	-	3.34	3.42	3.53	-	3.48	3.56	3.67	-	3.60	3.68	3.80	-
	Amps	12.3	12.5	12.9	-	13.1	13.4	13.8	-	14.1	14.4	14.9	-	15.0	15.3	15.8	-	15.8	16.2	16.7	-	16.7	17.1	17.6	-
	Hi PR	222	239	252	-	249	268	283	-	283	305	322	-	322	347	366	-	363	390	412	-	401	431	455	-
	Lo PR	109	116	127	-	116	123	134	-	120	128	139	-	126	134	146	-	132	141	154	-	137	145	159	-
	MBh	38.5	39.9	43.7	-	37.6	38.9	42.7	-	36.7	38.0	41.6	-	35.8	37.1	40.6	-	34.0	35.2	38.6	-	31.5	32.6	35.8	-
	S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-
	ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
1350	kW	2.77	2.82	2.91	-	2.97	3.04	3.13	-	3.16	3.22	3.33	-	3.32	3.39	3.50	-	3.45	3.53	3.64	-	3.57	3.65	3.77	-
	Amps	12.2	12.5	12.8	-	13.0	13.3	13.7	-	14.0	14.3	14.7	-	14.9	15.2	15.6	-	15.7	16.1	16.5	-	16.5	16.9	17.4	-
	Hi PR	220	236	250	-	246	265	280	-	280	302	318	-	319	343	363	-	359	386	408	-	397	427	451	-
	Lo PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-
	MBh	35.5	36.8	40.3	-	34.7	35.9	39.4	-	33.9	35.1	38.4	-	33.0	34.2	37.5	-	31.4	32.5	35.6	-	29.1	30.1	33.0	-
	S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-
	ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	15	12	-
	kW	2.70	2.76	2.84	-	2.90	2.96	3.06	-	3.08	3.15	3.25	-	3.24	3.31	3.41	-	3.37	3.44	3.55	-	3.48	3.56	3.68	-
	Amps	11.9	12.2	12.5	-	12.7	13.0	13.4	-	13.7	14.0	14.4	-	14.5	14.8	15.3	-	15.3	15.7	16.1	-	16.1	16.5	17.0	-
	Hi PR	213	229	242	-	239	257	272	-	272	293	309	-	310	333	352	-	348	375	396	-	385	414	437	-
Lo PR	105	112	122	-	111	118	129	-	115	123	134	-	121	129	141	-	127	135	147	-	131	140	153	-	

75	1519	MBh	40.3	41.5	44.9	48.2	39.4	40.5	43.9	47.1	38.4	39.6	42.8	45.9	37.5	38.6	41.8	44.8	35.6	36.7	39.7	42.6	33.0	34.0	36.8	39.4
		S/T	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.38	0.89	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
		ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	20	19	15	11	19	18	14	10
		kW	2.81	2.87	2.96	3.05	3.02	3.09	3.18	3.28	3.21	3.28	3.38	3.49	3.37	3.44	3.56	3.67	3.51	3.59	3.70	3.83	3.63	3.71	3.83	3.96
		Amps	12.4	12.6	13.0	13.4	13.3	13.5	13.9	14.4	14.3	14.6	15.0	15.5	15.1	15.4	15.9	16.4	16.0	16.3	16.8	17.4	16.8	17.2	17.7	18.3
		Hi PR	224	241	255	266	251	271	286	298	286	308	325	339	326	350	370	386	366	394	416	434	405	436	460	480
		Lo PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171
		MBh	39.1	40.3	43.6	46.8	38.2	39.3	42.6	45.7	37.3	38.4	41.6	44.6	36.4	37.5	40.6	43.5	34.6	35.6	38.5	41.3	32.0	33.0	35.7	38.3
	1350	S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.76	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	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		kW	2.79	2.85	2.93	3.03	3.00	3.06	3.16	3.26	3.18	3.25	3.35	3.46	3.34	3.42	3.53	3.64	3.48	3.56	3.67	3.80	3.60	3.68	3.80	3.93
		Amps	12.3	12.5	12.9	13.3	13.2	13.4	13.8	14.3	14.1	14.4	14.9	15.4	15.0	15.3	15.8	16.3	15.8	16.2	16.7	17.2	16.7	17.1	17.6	18.2
		Hi PR	222	239	252	263	249	268	283	295	283	305	322	336	322	347	366	382	363	390	412	430	401	431	455	475
		Lo PR	109	116	127	135	116	123	134	143	120	128	139	149	126	134	147	156	132	141	154	164	137	145	159	169
		MBh	36.1	37.2	40.2	43.2	35.3	36.3	39.3	42.2	34.4	35.4	38.4	41.2	33.6	34.6	37.4	40.2	31.9	32.9	35.6	38.2	29.6	30.4	32.9	35.4
		S/T	0.77	0.69	0.52	0.33	0.79	0.71	0.54	0.35	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.88	0.79	0.60	0.38
1181	ΔT	22	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	22	20	16	11	20	19	15	11	
	kW	2.72	2.78	2.87	2.95	2.93	2.99	3.08	3.18	3.11	3.17	3.27	3.38	3.26	3.33	3.44	3.55	3.40	3.47	3.58	3.70	3.51	3.59	3.71	3.83	
	Amps	12.0	12.3	12.6	13.0	12.8	13.1	13.5	13.9	13.8	14.1	14.5	15.0	14.6	14.9	15.4	15.9	15.5	15.8	16.3	16.8	16.3	16.6	17.1	17.7	
	Hi PR	215	232	245	255	241	260	274	286	275	296	312	325	313	337	355	371	352	379	400	417	389	418	442	461	
	Lo PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	

EXPANDED COOLING DATA — APH1560M41** — LOW STAGE (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																												
		65°F				75°F				85°F				95°F				105°F				115°F								
IDB	AIRFLOW	59	63	67	71	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	41.0	41.9	44.8	47.9	40.1	40.9	43.7	46.7	39.1	40.0	42.7	45.6	38.1	39.0	41.6	44.5	36.2	37.0	39.6	42.3	33.6	34.3	36.6	39.2	33.6	34.3	36.6	39.2	
	S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60	1.00	1.00	0.80	0.60	
	ΔT	23	22	19	15	23	22	19	15	24	22	19	15	23	22	19	15	22	22	19	15	20	21	18	14	20	21	18	14	
	kW	2.83	2.89	2.98	3.07	3.05	3.11	3.21	3.31	3.23	3.30	3.41	3.52	3.40	3.47	3.59	3.70	3.54	3.62	3.74	3.86	3.66	3.74	3.87	3.99	3.66	3.74	3.87	3.99	
	Amps	12.5	12.7	13.1	13.5	13.4	13.6	14.0	14.5	14.4	14.7	15.1	15.6	15.2	15.6	16.0	16.6	16.1	16.5	17.0	17.5	17.0	17.3	17.9	18.5	17.0	17.3	17.9	18.5	
	Hi PR	226	244	257	268	254	273	289	301	289	311	328	342	329	354	374	390	370	398	421	439	409	440	465	485	409	440	465	485	
	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	
	MBh	39.8	40.7	43.5	46.5	38.9	39.7	42.5	45.4	38.0	38.8	41.4	44.3	37.0	37.8	40.4	43.2	35.2	36.0	38.4	41.1	32.6	33.3	35.6	38.0	32.6	33.3	35.6	38.0	
	S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57	1.00	0.94	0.76	0.57	
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	24	23	20	16	22	21	19	15	22	21	19	15
	kW	2.81	2.87	2.96	3.05	3.02	3.09	3.18	3.28	3.21	3.28	3.38	3.49	3.37	3.45	3.56	3.67	3.51	3.59	3.70	3.83	3.63	3.71	3.83	3.96	3.63	3.71	3.83	3.96	
	Amps	12.4	12.6	13.0	13.4	13.3	13.5	13.9	14.4	14.3	14.6	15.0	15.5	15.1	15.4	15.9	16.4	16.0	16.3	16.8	17.4	16.8	17.2	17.7	18.3	16.8	17.2	17.7	18.3	
	Hi PR	224	241	255	266	251	271	286	298	286	308	325	339	326	350	370	386	366	394	416	434	405	436	460	480	405	436	460	480	
	Lo PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171	138	147	160	171	
1181	MBh	36.7	37.5	40.1	42.9	35.9	36.7	39.2	41.9	35.0	35.8	38.2	40.9	34.2	34.9	37.3	39.9	32.5	33.2	35.5	37.9	30.1	30.7	32.8	35.1	30.1	30.7	32.8	35.1	
	S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.50	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55	0.97	0.91	0.74	0.55	
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	25	24	20	16	24	23	20	16	23	22	19	15	23	22	19	15	
	kW	2.75	2.80	2.89	2.98	2.95	3.01	3.11	3.20	3.13	3.20	3.30	3.40	3.29	3.36	3.47	3.58	3.43	3.50	3.61	3.73	3.54	3.62	3.74	3.86	3.54	3.62	3.74	3.86	
	Amps	12.1	12.4	12.7	13.1	12.9	13.2	13.6	14.0	13.9	14.2	14.6	15.1	14.7	15.1	15.5	16.0	15.6	15.9	16.4	17.0	16.4	16.8	17.3	17.9	16.4	16.8	17.3	17.9	
	Hi PR	217	234	247	258	244	262	277	289	277	298	315	329	316	340	359	374	355	382	404	421	393	423	446	465	393	423	446	465	
	Lo PR	107	114	124	133	113	120	132	140	118	125	137	146	124	132	144	153	130	138	150	160	134	143	156	166	134	143	156	166	

85	1519	MBh	41.7	42.5	44.5	47.5	40.8	41.5	43.5	46.4	39.8	40.6	42.5	45.3	38.8	39.6	41.4	44.2	36.9	37.6	39.4	42.0	34.2	34.8	36.5	38.9
		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	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		ΔT	24	24	22	19	24	24	23	20	24	24	23	20	23	24	23	20	22	22	23	23	20	21	21	18
		kW	2.85	2.91	3.00	3.10	3.07	3.13	3.23	3.34	3.26	3.33	3.44	3.55	3.43	3.50	3.61	3.73	3.57	3.65	3.77	3.89	3.69	3.77	3.90	4.03
		Amps	12.6	12.8	13.2	13.6	13.5	13.7	14.1	14.6	14.5	14.8	15.2	15.7	15.4	15.7	16.2	16.7	16.2	16.6	17.1	17.7	17.1	17.5	18.0	18.6
		Hi PR	229	246	260	271	256	276	291	304	292	314	331	346	332	358	378	394	374	402	425	443	413	444	469	489
		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
		MBh	40.5	41.3	43.2	46.1	39.6	40.3	42.2	45.1	38.6	39.4	41.2	44.0	37.7	38.4	40.2	42.9	35.8	36.5	38.2	40.8	33.2	33.8	35.4	37.8
	1350	S/T	0.91	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74
		ΔT	25	25	23	20	26	25	24	21	26	25	24	21	26	25	24	21	24	25	24	20	23	23	22	19
		kW	2.83	2.89	2.98	3.07	3.05	3.11	3.21	3.31	3.23	3.30	3.41	3.52	3.40	3.47	3.59	3.70	3.54	3.62	3.74	3.86	3.66	3.74	3.87	3.99
		Amps	12.5	12.7	13.1	13.5	13.4	13.6	14.0	14.5	14.4	14.7	15.1	15.6	15.2	15.6	16.0	16.6	16.1	16.5	17.0	17.5	17.0	17.3	17.9	18.5
		Hi PR	226	244	257	268	254	273	289	301	289	311	328	342	329	354	374	390	370	398	421	439	409	440	465	485
		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
1181		MBh	37.4	38.1	39.9	42.6	36.5	37.2	39.0	41.6	35.6	36.3	38.1	40.6	34.8	35.5	37.1	39.6	33.0	33.7	35.3	37.6	30.6	31.2	32.7	34.9
		S/T	0.88	0.85	0.77	0.62	0.91	0.88	0.80	0.65	0.94	0.90	0.82	0.66	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.98	0.88	0.71
	ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	26	25	24	21	24	24	22	19	
	kW	2.77	2.82	2.91	3.00	2.97	3.04	3.13	3.23	3.16	3.22	3.33	3.43	3.32	3.39	3.50	3.61	3.45	3.53	3.64	3.76	3.57	3.65	3.77	3.89	
	Amps	12.2	12.4	12.8	13.2	13.0	13.3	13.7	14.1	14.0	14.3	14.7	15.2	14.9	15.2	15.6	16.2	15.7	16.1	16.5	17.1	16.5	16.9	17.4	18.0	
	Hi PR	220	236	249	260	246	265	280	292	280	301	318	332	319	343	363	378	359	386	408	425	397	427	451	470	
	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	

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

Shaded area reflects AHRI (TVA) conditions

Amps = outdoor unit amps (comp.+ evaporator + compressor fan)

kW = Total system power

EXPANDED COOLING DATA — APH1560M41** — HIGH STAGE

		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		IDB		AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
ENTERING INDOOR WET BULB TEMPERATURE																																					
70	2025	MBh	54.4	56.4	61.8	-	53.2	55.1	60.4	-	51.9	53.8	58.9	-	50.6	52.5	57.5	-	48.1	49.9	54.6	-	44.6	46.2	50.6	-	44.6	46.2	50.6	-	44.6	46.2	50.6	-			
		S/T	0.71	0.60	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	-	0.82	0.68	0.47	-	0.82	0.68	0.47	-			
		ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-	17	14	11	-	17	14	11	-			
		kW	4.22	4.31	4.44	-	4.54	4.63	4.78	-	4.82	4.92	5.08	-	5.06	5.17	5.34	-	5.27	5.39	5.56	-	5.45	5.57	5.75	-	5.45	5.57	5.75	-	5.45	5.57	5.75	-			
		Amps	18.4	18.8	19.3	-	19.7	20.1	20.7	-	21.1	21.6	22.2	-	22.4	22.9	23.6	-	23.7	24.2	25.0	-	25.0	25.5	26.3	-	25.0	25.5	26.3	-	25.0	25.5	26.3	-			
		Hi PR	240	258	273	-	269	290	306	-	306	330	348	-	349	375	396	-	392	422	446	-	434	467	493	-	434	467	493	-	434	467	493	-			
		Lo PR	106	112	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	148	-	132	141	154	-	132	141	154	-	132	141	154	-			
		MBh	52.8	54.8	60.0	-	51.6	53.5	58.6	-	50.4	52.2	57.2	-	49.2	50.9	55.8	-	46.7	48.4	53.0	-	43.3	44.8	49.1	-	43.3	44.8	49.1	-	43.3	44.8	49.1	-			
		S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-			
		ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-	17	15	11	-			
1575	1800	kW	4.19	4.28	4.41	-	4.50	4.60	4.74	-	4.78	4.88	5.03	-	5.02	5.13	5.29	-	5.23	5.34	5.52	-	5.41	5.53	5.71	-	5.41	5.53	5.71	-	5.41	5.53	5.71	-			
		Amps	18.2	18.6	19.1	-	19.5	19.9	20.5	-	21.0	21.4	22.1	-	22.2	22.7	23.4	-	23.5	24.0	24.8	-	24.8	25.3	26.1	-	24.8	25.3	26.1	-	24.8	25.3	26.1	-			
		Hi PR	238	256	270	-	267	287	303	-	303	326	345	-	345	372	392	-	388	418	441	-	429	462	488	-	429	462	488	-	429	462	488	-			
		Lo PR	105	111	122	-	111	118	128	-	115	122	134	-	121	128	140	-	127	135	147	-	131	139	152	-	131	139	152	-	131	139	152	-			
		MBh	48.8	50.5	55.4	-	47.6	49.4	54.1	-	46.5	48.2	52.8	-	45.4	47.0	51.5	-	43.1	44.7	48.9	-	39.9	41.4	45.3	-	39.9	41.4	45.3	-	39.9	41.4	45.3	-			
		S/T	0.66	0.55	0.38	-	0.68	0.57	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.75	0.63	0.44	-	0.75	0.63	0.44	-	0.75	0.63	0.44	-			
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	13	-	19	16	12	-	18	15	12	-	18	15	12	-	18	15	12	-			
		kW	4.09	4.18	4.30	-	4.40	4.49	4.63	-	4.66	4.76	4.91	-	4.90	5.01	5.16	-	5.10	5.21	5.38	-	5.27	5.39	5.56	-	5.27	5.39	5.56	-	5.27	5.39	5.56	-			
		Amps	17.8	18.2	18.7	-	19.0	19.4	20.0	-	20.5	20.9	21.5	-	21.7	22.2	22.8	-	22.9	23.4	24.1	-	24.2	24.7	25.4	-	24.2	24.7	25.4	-	24.2	24.7	25.4	-			
		Hi PR	230	248	262	-	259	278	294	-	294	316	334	-	335	360	381	-	377	406	428	-	416	448	473	-	416	448	473	-	416	448	473	-			
Lo PR	102	108	118	-	107	114	125	-	112	119	130	-	117	125	136	-	123	131	143	-	127	135	147	-	127	135	147	-	127	135	147	-					
75	2025	MBh	55.3	57.0	61.7	66.2	54.1	55.7	60.2	64.7	52.8	54.3	58.8	63.1	51.5	53.0	57.4	61.6	48.9	50.4	54.5	58.5	45.3	46.6	50.5	54.2	45.3	46.6	50.5	54.2	45.3	46.6	50.5	54.2			
		S/T	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.58	0.38	0.89	0.80	0.60	0.39	0.92	0.83	0.62	0.40	0.93	0.83	0.63	0.41	0.93	0.83	0.63	0.41	0.93	0.83	0.63	0.41			
		ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	20	19	15	11	19	18	14	10	19	18	14	10	19	18	14	10			
		kW	4.26	4.34	4.48	4.62	4.57	4.67	4.82	4.97	4.86	4.96	5.12	5.28	5.10	5.21	5.38	5.56	5.32	5.43	5.61	5.79	5.50	5.62	5.80	6.00	5.50	5.62	5.80	6.00	5.50	5.62	5.80	6.00			
		Amps	18.5	18.9	19.4	20.1	19.8	20.2	20.8	21.5	21.3	21.8	22.4	23.2	22.6	23.1	23.8	24.6	23.9	24.4	25.2	26.0	25.2	25.8	26.5	27.5	25.2	25.8	26.5	27.5	25.2	25.8	26.5	27.5			
		Hi PR	242	261	275	287	272	293	309	322	309	333	352	367	352	379	400	418	396	427	450	470	438	471	498	519	438	471	498	519	438	471	498	519			
		Lo PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	134	142	155	165	134	142	155	165	134	142	155	165			
		MBh	53.7	55.3	59.9	64.3	52.5	54.0	58.5	62.8	51.2	52.8	57.1	61.3	50.0	51.5	55.7	59.8	47.5	48.9	52.9	56.8	44.0	45.3	49.0	52.6	44.0	45.3	49.0	52.6	44.0	45.3	49.0	52.6			
		S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.89	0.79	0.60	0.39	0.89	0.79	0.60	0.39	0.89	0.79	0.60	0.39			
		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	20	18	15	10	20	18	15	10			
1575	1800	kW	4.22	4.31	4.44	4.58	4.54	4.63	4.78	4.93	4.82	4.92	5.08	5.24	5.06	5.17	5.34	5.51	5.27	5.39	5.56	5.75	5.45	5.57	5.75	5.95	5.45	5.57	5.75	5.95	5.45	5.57	5.75	5.95			
		Amps	18.4	18.8	19.3	19.9	19.7	20.1	20.7	21.3	21.1	21.6	22.2	23.0	22.4	22.9	23.6	24.4	23.7	24.2	25.0	25.8	25.0	25.5	26.3	27.2	25.0	25.5	26.3	27.2	25.0	25.5	26.3	27.2			
		Hi PR	240	258	273	284	269	290	306	319	306	330	348	363	349	375	396	413	392	422	446	465	434	467	493	514	434	467	493	514	434	467	493	514			
		Lo PR	106	113	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	148	158	132	141	154	164	132	141	154	164	132	141	154	164			
		MBh	49.6	51.1	55.3	59.3	48.4	49.9	54.0	57.9	47.3	48.7	52.7	56.6	46.1	47.5	51.4	55.2	43.8	45.1	48.8	52.4	40.6	41.8	45.2	48.6	40.6	41.8	45.2	48.6	40.6	41.8	45.2	48.6			
		S/T	0.75	0.67	0.50	0.32	0.77	0.69	0.52	0.34	0.79	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.86	0.77	0.58	0.37	0.86	0.77	0.58	0.37	0.86	0.77	0.58	0.37			
		ΔT	22	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	22	20	16	11	20	19	15	11	20	19	15	11	20	19	15	11			
		kW	4.13	4.21	4.34	4.47	4.43	4.52	4.66	4.81	4.70	4.80	4.95	5.11	4.94	5.05	5.21	5.38	5.14	5.25	5.42	5.60	5.32	5.43	5.61	5.80	5.32	5.43	5.61	5.80							

EXPANDED COOLING DATA — APH1560M41** — HIGH STAGE (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																									
		65°F				75°F				85°F				95°F				105°F				115°F					
		ENTERING INDOOR WET BULB TEMPERATURE																									
IDB	AIRFLOW	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	2025	MBh	56.3	57.6	61.5	65.7	55.0	56.2	60.1	64.2	53.7	54.9	58.6	62.7	52.4	53.5	57.2	61.2	49.8	50.9	54.3	58.1	46.1	47.1	50.3	53.8	
		S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.53	0.94	0.89	0.72	0.54	1.00	0.91	0.74	0.56	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58	
		ΔT	23	22	19	15	23	22	19	15	23	22	19	15	24	22	19	15	23	22	19	15	21	20	18	14	
		kW	4.29	4.38	4.51	4.65	4.61	4.71	4.86	5.01	4.90	5.00	5.16	5.33	5.15	5.26	5.43	5.61	5.36	5.48	5.65	5.84	5.54	5.67	5.85	6.05	
	Amps	18.7	19.1	19.6	20.2	20.0	20.4	21.0	21.7	21.5	22.0	22.6	23.4	22.8	23.3	24.0	24.8	24.1	24.6	25.4	26.3	25.4	26.0	26.8	27.7		
	Hi PR	245	263	278	290	275	296	312	326	312	336	355	370	356	383	404	422	400	431	455	475	442	476	503	524		
	Lo PR	108	115	125	133	114	121	132	141	118	126	138	147	124	132	145	154	130	139	151	161	135	144	157	167		
	1800	MBh	54.7	55.9	59.7	63.8	53.4	54.6	58.3	62.3	52.1	53.3	56.9	60.9	50.9	52.0	55.5	59.4	48.3	49.4	52.8	56.4	44.8	45.7	48.9	52.2	
		S/T	0.85	0.80	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.85	0.69	0.51	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.97	0.91	0.74	0.56	
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15	
kW		4.26	4.34	4.48	4.62	4.57	4.67	4.82	4.97	4.86	4.96	5.12	5.28	5.10	5.22	5.38	5.56	5.32	5.43	5.61	5.79	5.50	5.62	5.80	6.00		
1575	Amps	18.5	18.9	19.4	20.1	19.8	20.2	20.8	21.5	21.3	21.8	22.4	23.2	22.6	23.1	23.8	24.6	23.9	24.4	25.2	26.0	25.2	25.8	26.5	27.5		
	Hi PR	242	261	275	287	272	293	309	322	309	333	352	367	352	379	400	418	396	427	450	470	438	471	498	519		
	Lo PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	134	142	155	165		
	MBh	50.5	51.6	55.1	58.9	49.3	50.4	53.8	57.5	48.1	49.2	52.5	56.2	47.0	48.0	51.3	54.8	44.6	45.6	48.7	52.1	41.3	42.2	45.1	48.2		
75	2025	S/T	0.82	0.77	0.62	0.47	0.85	0.79	0.65	0.48	0.87	0.81	0.66	0.50	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.94	0.88	0.72	0.54	
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	25	24	20	16	24	23	20	16	23	22	19	15	
		kW	4.16	4.24	4.37	4.51	4.47	4.56	4.70	4.85	4.74	4.84	4.99	5.15	4.98	5.09	5.25	5.42	5.19	5.30	5.47	5.65	5.36	5.48	5.66	5.85	
		Amps	18.1	18.5	19.0	19.6	19.4	19.8	20.3	21.0	20.8	21.2	21.9	22.6	22.1	22.5	23.2	24.0	23.3	23.8	24.5	25.4	24.6	25.1	25.9	26.8	
	1800	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	104	110	120	128	109	116	127	135	114	121	132	141	120	127	139	148	125	133	145	155	130	138	150	160	
		1575	MBh	57.3	58.4	61.2	65.3	56.0	57.1	59.8	63.8	54.6	55.7	58.3	62.2	53.3	54.3	56.9	60.7	50.7	51.6	54.1	57.7	46.9	47.8	50.1	53.4
			S/T	0.93	0.90	0.81	0.66	0.97	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.76
	ΔT		24	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	23	23	23	20	21	22	21	18	
	kW		4.32	4.41	4.55	4.69	4.65	4.75	4.90	5.05	4.93	5.04	5.20	5.37	5.19	5.30	5.47	5.65	5.40	5.52	5.70	5.89	5.59	5.71	5.90	6.10	
75	2025	Amps	18.8	19.2	19.8	20.4	20.1	20.6	21.2	21.9	21.7	22.1	22.8	23.6	23.0	23.5	24.2	25.0	24.3	24.9	25.6	26.5	25.6	26.2	27.0	27.9	
		Hi PR	247	266	281	293	277	299	315	329	316	340	359	374	359	387	408	426	404	435	460	479	447	481	508	530	
		Lo PR	109	116	127	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	169	
		MBh	55.6	56.7	59.4	63.4	54.4	55.4	58.0	61.9	53.1	54.1	56.6	60.4	51.8	52.8	55.3	59.0	49.2	50.1	52.5	56.0	45.6	46.4	48.6	51.9	
	1800	S/T	0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.98	0.89	0.72	
		ΔT	25	25	23	20	26	25	24	21	26	25	24	21	26	25	24	21	25	25	24	20	23	23	22	19	
		kW	4.29	4.38	4.51	4.65	4.61	4.71	4.86	5.01	4.90	5.00	5.16	5.33	5.15	5.26	5.43	5.61	5.36	5.48	5.65	5.84	5.54	5.67	5.85	6.05	
		Amps	18.7	19.1	19.6	20.2	20.0	20.4	21.0	21.7	21.5	22.0	22.6	23.4	22.8	23.3	24.0	24.8	24.1	24.6	25.4	26.3	25.4	26.0	26.8	27.7	
	1575	Hi PR	245	263	278	290	275	296	312	326	312	336	355	370	356	383	404	422	400	431	455	475	442	476	503	524	
		Lo PR	108	115	125	133	114	121	132	141	118	126	138	147	124	132	145	154	130	139	151	161	135	144	157	167	
MBh		51.4	52.4	54.8	58.5	50.2	51.1	53.6	57.1	49.0	49.9	52.3	55.8	47.8	48.7	51.0	54.4	45.4	46.3	48.5	51.7	42.0	42.9	44.9	47.9		
S/T		0.86	0.83	0.75	0.61	0.89	0.86	0.77	0.63	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.66	0.98	0.94	0.85	0.69	0.98	0.95	0.86	0.70		
1575	ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	26	25	24	21	24	24	22	19		
	kW	4.19	4.28	4.41	4.54	4.50	4.60	4.74	4.89	4.78	4.88	5.03	5.20	5.02	5.13	5.29	5.47	5.23	5.34	5.51	5.70	5.41	5.52	5.70	5.89		
	Amps	18.2	18.6	19.1	19.8	19.5	19.9	20.5	21.2	21.0	21.4	22.0	22.8	22.2	22.7	23.4	24.2	23.5	24.0	24.8	25.6	24.8	25.3	26.1	27.0		
	Hi PR	237	256	270	281	266	287	303	316	303	326	344	359	345	371	392	409	388	418	441	460	429	462	488	509		
1575	Lo PR	105	111	122	129	111	118	128	137	115	122	133	142	121	128	140	149	127	135	147	156	131	139	152	162		
	Shaded area reflects AHRI (TVA) conditions																										
	kW = Total system power																										
	Amps = outdoor unit amps (comp. + evaporator + compressor fan)																										
DB: Entering Indoor Dry Bulb Temperature High & low pressures are measured at the liquid & suction service valves.																											

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

Shaded area reflects AHRI (TVA) conditions

Amps = outdoor unit amps (comp. + evaporator + compressor fan)

kW = Total system power

AIRFLOW DATA

APH1524M41

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

* @ 0.1 - 0.5 ESP

APH1536M41

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

* @ 0.1 - 0.5 ESP

APH1530M41

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

* @ 0.1 - 0.5 ESP

AIRFLOW DATA (CONT.)

APH1543M41

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

* @ 0.1 - 0.5 ESP

** Denotes factory setting for APH1543M41

APH1549M41

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

* @ 0.1 - 0.5 ESP

*** Denotes factory setting for APH1549M41

APH1560M41

COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	1,260	D	Minus	1,260
	Normal	1,400	D	Normal	1,400
	Plus	1,540	D	Plus	1,540
C	Minus	1,440	C	Minus	1,440
	Normal	1,600	C	Normal	1,600
	Plus	1,760	C	Plus	1,760
B	Minus	1,620	B	Minus	1,620
	Normal	1,800	B	Normal	1,800
	Plus**	1,980	B	Plus**	1,980
A	Minus	1,800	A	Minus	1,800
	Normal	2,000	A	Normal	2,000
	Plus	2,200	A	Plus	2,200

* @ 0.1 - 0.5 ESP

** Denotes factory setting for APH1560M41

EXPANDED HEATING DATA

APH1524M41*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	29.4	27.8	26.2	24.5	23.4	22.7	21.1	19.4	15.6	14.4	13.2	12.5	12.0	10.8	9.6	8.4	7.1	5.8
ΔT	31.7	30.0	28.2	26.4	25.2	24.4	22.7	20.9	16.8	15.5	14.3	13.5	13.0	11.6	10.3	9.0	7.7	6.3
kW	2.08	2.04	2.00	1.96	1.94	1.92	1.88	1.84	1.81	1.77	1.73	1.71	1.69	1.65	1.61	1.57	1.53	1.49
Amps	10.8	10.2	9.6	9.2	8.9	8.8	8.4	8.0	7.8	7.5	7.2	7.1	7.0	6.8	6.4	6.2	5.8	5.4
COP	4.14	4.00	3.84	3.66	3.54	3.46	3.28	3.09	2.52	2.38	2.24	2.15	2.09	1.92	1.74	1.56	1.36	1.15
EER	14.2	13.7	13.1	12.5	12.1	11.8	11.2	10.6	8.6	8.1	7.7	7.3	7.1	6.6	6.0	5.3	4.7	3.9
Hi PR	388	372	358	342	334	328	315	302	290	277	266	259	255	245	235	226	218	210
Lo PR	145	134	126	115	109	105	96	86	77	69	61	57	55	46	40	34	29	23

APH1530M41*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	34.4	32.6	30.7	28.7	27.4	26.6	24.7	22.7	18.8	17.4	16.0	15.1	14.5	13.0	11.6	10.1	8.6	7.1
ΔT	31.9	30.2	28.4	26.6	25.4	24.6	22.8	21.1	17.4	16.1	14.8	14.0	13.5	12.1	10.7	9.3	8.0	6.5
kW	2.31	2.27	2.22	2.18	2.15	2.13	2.09	2.04	2.08	2.03	1.98	1.95	1.93	1.89	1.84	1.79	1.74	1.69
Amps	11.4	10.7	10.0	9.5	9.2	9.0	8.5	8.2	7.8	7.5	7.2	7.1	7.0	6.7	6.3	6.0	5.6	5.1
COP	4.36	4.21	4.04	3.86	3.73	3.65	3.46	3.26	2.65	2.51	2.36	2.26	2.20	2.03	1.84	1.65	1.45	1.22
EER	14.9	14.4	13.8	13.2	12.8	12.5	11.8	11.2	9.1	8.6	8.1	7.7	7.5	6.9	6.3	5.6	4.9	4.2
Hi PR	383	368	353	338	330	324	311	299	286	273	262	256	251	242	233	223	215	208
Lo PR	138	128	120	110	104	100	92	82	74	66	58	54	52	44	38	32	28	22

APH1536M41*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	44.6	42.2	39.8	37.2	35.5	34.4	32.0	29.5	23.2	21.4	19.7	18.6	17.9	16.1	14.3	12.4	10.6	8.7
ΔT	34.4	32.6	30.7	28.7	27.4	26.5	24.7	22.7	17.9	16.5	15.2	14.4	13.8	12.4	11.0	9.6	8.2	6.7
kW	3.24	3.18	3.11	3.05	3.01	2.98	2.92	2.85	2.43	2.37	2.32	2.29	2.26	2.21	2.15	2.10	2.04	1.99
Amps	17.4	16.2	15.3	14.5	14.1	13.9	13.2	12.6	12.2	11.7	11.3	11.1	10.9	10.5	9.9	9.5	8.9	8.3
COP	4.03	3.89	3.74	3.57	3.45	3.38	3.21	3.02	2.80	2.64	2.49	2.38	2.32	2.13	1.94	1.73	1.52	1.28
EER	13.8	13.3	12.8	12.2	11.8	11.5	11.0	10.3	9.6	9.0	8.5	8.1	7.9	7.3	6.6	5.9	5.2	4.4
Hi PR	454	435	418	400	390	383	368	353	338	323	310	303	297	286	275	264	254	245
Lo PR	137	127	119	109	103	99	91	81	73	65	57	53	52	44	38	32	28	22

APH1543M41*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	33.3	31.5	29.7	27.7	26.5	25.7	23.9	22.0	16.2	15.0	13.8	13.0	12.5	11.2	10.0	8.7	7.4	6.1
ΔT	24.5	23.2	21.9	20.4	19.5	18.9	17.6	16.2	11.9	11.0	10.1	9.6	9.2	8.3	7.3	6.4	5.5	4.5
kW	2.46	2.42	2.37	2.33	2.30	2.28	2.23	2.19	2.17	2.12	2.08	2.05	2.03	1.98	1.94	1.89	1.84	1.80
Amps	12.1	11.3	10.7	10.2	9.9	9.8	9.3	9.0	8.7	8.4	8.1	8.0	7.9	7.6	7.2	6.9	6.6	6.1
COP	3.96	3.82	3.66	3.49	3.37	3.30	3.12	2.94	2.18	2.06	1.94	1.86	1.80	1.66	1.50	1.34	1.18	0.99
EER	13.5	13.0	12.5	11.9	11.5	11.3	10.7	10.0	7.5	7.0	6.6	6.3	6.2	5.7	5.1	4.6	4.0	3.4
Hi PR	395	379	364	348	340	334	321	308	295	282	270	264	259	249	240	230	222	214
Lo PR	143	133	125	114	108	104	96	85	77	69	60	56	54	46	39	33	29	23

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

EXPANDED HEATING DATA (CONT.)

APH1549M41* — LOW STAGE

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	40.0	37.8	35.6	33.3	31.8	30.8	28.6	26.4	21.8	20.1	18.5	17.5	16.9	15.1	13.4	11.7	10.0	8.2
ΔT	30.8	29.2	27.5	25.7	24.5	23.8	22.1	20.4	16.8	15.5	14.3	13.5	13.0	11.7	10.3	9.0	7.7	6.3
kW	3.04	2.98	2.92	2.86	2.83	2.80	2.74	2.69	2.81	2.74	2.68	2.64	2.62	2.55	2.49	2.43	2.36	2.30
Amps	11.5	10.8	10.2	9.7	9.4	9.3	8.8	8.5	8.2	7.9	7.6	7.5	7.4	7.1	6.8	6.5	6.1	5.7
COP	3.85	3.72	3.57	3.41	3.29	3.22	3.05	2.88	2.27	2.15	2.02	1.94	1.88	1.73	1.58	1.41	1.24	1.04
EER	13.1	12.7	12.2	11.6	11.2	11.0	10.4	9.8	7.8	7.3	6.9	6.6	6.4	5.9	5.4	4.8	4.2	3.6
Hi PR	395	379	364	348	340	334	321	308	295	282	270	264	259	249	240	230	222	214
Lo PR	139	129	121	111	105	101	93	83	75	67	59	54	52	44	38	32	28	22

APH1549M41* — HIGH STAGE

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	57.9	54.8	51.6	48.2	46.0	44.6	41.4	38.2	31.9	29.4	27.1	25.6	24.6	22.1	19.6	17.1	14.6	11.9
ΔT	39.8	37.7	35.5	33.2	31.7	30.7	28.5	26.3	21.9	20.2	18.6	17.6	17.0	15.2	13.5	11.8	10.0	8.2
kW	3.99	3.91	3.83	3.75	3.70	3.66	3.59	3.51	3.53	3.44	3.36	3.31	3.28	3.20	3.12	3.03	2.95	2.87
Amps	20.2	18.8	17.7	16.8	16.3	16.0	15.2	14.5	14.0	13.4	12.9	12.6	12.5	11.9	11.2	10.7	10.0	9.2
COP	4.25	4.11	3.95	3.77	3.64	3.56	3.38	3.19	2.64	2.50	2.36	2.26	2.20	2.02	1.84	1.65	1.45	1.22
EER	14.5	14.0	13.5	12.9	12.4	12.2	11.6	10.9	9.0	8.5	8.1	7.7	7.5	6.9	6.3	5.6	4.9	4.2
Hi PR	395	379	364	348	340	334	321	308	295	282	270	264	259	249	240	230	222	214
Lo PR	143	133	125	114	108	104	96	85	77	69	60	56	54	46	39	33	29	23

APH1560M41* — LOW STAGE

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	50.1	47.4	44.6	41.7	39.8	38.6	35.8	33.1	26.6	24.5	22.6	21.3	20.5	18.4	16.3	14.2	12.2	10.0
ΔT	34.3	32.5	30.6	28.6	27.3	26.5	24.6	22.7	18.2	16.8	15.5	14.6	14.1	12.6	11.2	9.8	8.3	6.8
kW	3.76	3.68	3.61	3.53	3.49	3.46	3.39	3.31	3.44	3.36	3.28	3.24	3.21	3.13	3.05	2.97	2.89	2.81
Amps	19.6	18.2	17.2	16.2	15.7	15.4	14.6	14.0	13.4	12.9	12.4	12.1	12.0	11.4	10.8	10.2	9.6	8.8
COP	3.90	3.76	3.62	3.45	3.34	3.26	3.09	2.92	2.26	2.13	2.01	1.93	1.87	1.72	1.57	1.40	1.23	1.04
EER	13.3	12.9	12.4	11.8	11.4	11.2	10.6	10.0	7.7	7.3	6.9	6.6	6.4	5.9	5.4	4.8	4.2	3.5
Hi PR	391	375	361	345	337	330	318	305	292	279	268	261	257	247	237	228	220	212
Lo PR	139	129	121	111	105	101	93	83	75	67	59	54	53	44	38	32	28	22

APH1560M41* — HIGH STAGE

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	70.4	66.6	62.7	58.6	56.0	54.3	50.4	46.5	38.9	35.9	33.0	31.2	30.0	27.0	23.9	20.8	17.8	14.6
ΔT	36.2	34.3	32.3	30.2	28.8	27.9	25.9	23.9	20.0	18.5	17.0	16.0	15.5	13.9	12.3	10.7	9.1	7.5
kW	5.24	5.14	5.04	4.94	4.88	4.83	4.74	4.63	4.52	4.42	4.32	4.26	4.22	4.12	4.02	3.92	3.82	3.72
Amps	26.6	24.8	23.4	22.1	21.4	21.0	20.0	19.1	18.4	17.7	16.9	16.6	16.4	15.7	14.8	14.1	13.2	12.1
COP	3.93	3.79	3.64	3.48	3.36	3.29	3.11	2.94	2.52	2.38	2.24	2.14	2.08	1.92	1.74	1.56	1.36	1.15
EER	13.4	13.0	12.5	11.9	11.5	11.2	10.6	10.0	8.6	8.1	7.7	7.3	7.1	6.5	5.9	5.3	4.7	3.9
Hi PR	411	394	379	362	354	347	333	320	306	293	281	274	269	259	249	239	230	222
Lo PR	130	121	113	104	98	94	87	77	70	62	55	51	49	42	36	30	26	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

AUXILIARY HEATING DATA

APH1524M41**
CONDITIONS: 860 CFM; INDOOR AIR @ 70°F DB

OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUX. HEAT		CAPACITY OF UNIT W/ KW OF AUX. HEAT				
	CAPACITY BTU/H	COP	5K	8K	10K	15K	20K
65	29.41	4.14	45.80	56.72	62.18	---	---
60	27.85	4.00	44.23	55.15	60.61	---	---
55	26.21	3.84	42.59	53.51	58.97	---	---
50	24.50	3.66	40.88	51.80	57.26	---	---
45	22.67	3.46	39.06	49.98	55.44	---	---
40	21.06	3.28	37.44	48.36	53.82	---	---
35	19.42	3.09	35.80	46.73	52.19	---	---
30	15.59	2.52	31.97	42.89	48.35	---	---
25	14.39	2.38	30.77	41.69	47.15	---	---
20	13.25	2.24	29.63	40.55	46.01	---	---
15	12.05	2.09	28.43	39.35	44.81	---	---
10	10.81	1.92	27.19	38.11	43.57	---	---
5	9.58	1.74	25.97	36.89	42.35	---	---
0	8.36	1.56	24.74	35.66	41.12	---	---
-5	7.13	1.36	23.51	34.43	39.90	---	---
-10	5.84	1.15	22.22	33.15	38.61	---	---

APH1530M41**
CONDITIONS: 1000 CFM; INDOOR AIR @ 70°F DB

OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUX. HEAT		CAPACITY OF UNIT W/ KW OF AUX. HEAT				
	CAPACITY BTU/H	COP	5K	8K	10K	15K	20K
65	34.44	4.36	51.51	61.75	68.57	85.64	---
60	32.61	4.21	49.67	59.91	66.74	83.80	---
55	30.69	4.04	47.75	57.99	64.82	81.88	---
50	28.69	3.86	45.75	55.99	62.82	79.88	---
45	26.55	3.65	43.62	53.85	60.68	77.75	---
40	24.66	3.36	41.73	51.96	58.79	75.86	---
35	22.74	3.26	39.81	50.05	56.87	73.94	---
30	18.81	2.70	35.88	46.12	52.94	70.01	---
25	17.37	2.55	34.43	44.67	51.50	68.56	---
20	15.99	2.40	33.06	43.29	50.12	67.19	---
15	9.89	2.24	26.95	37.19	44.02	61.08	---
10	8.87	2.06	25.94	36.18	43.00	60.07	---
5	7.87	1.87	24.93	35.17	42.00	59.06	---
0	6.86	1.67	23.93	34.16	40.99	58.06	---
-5	5.85	1.47	22.92	33.16	39.98	57.05	---
-10	7.05	1.23	24.12	34.36	41.18	58.25	---

APH1536M41**
CONDITIONS: 1200 CFM; INDOOR AIR @ 70°F DB

OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUX. HEAT		CAPACITY OF UNIT W/ KW OF AUX. HEAT				
	CAPACITY BTU/H	COP	5K	8K	10K	15K	20K
65	44.59	4.02	60.97	71.89	77.35	93.73	---
60	42.21	3.89	58.59	69.51	74.97	91.36	---
55	39.73	3.74	56.11	67.03	72.49	88.87	---
50	37.14	3.57	53.52	64.44	69.90	86.28	---
45	34.37	3.38	50.75	61.67	67.14	83.52	---
40	31.92	3.20	48.31	59.23	64.69	81.07	---
35	29.44	3.02	45.82	56.74	62.20	78.59	---
30	23.20	2.80	39.58	50.50	55.97	72.35	---
25	21.41	2.64	37.80	48.72	54.18	70.56	---
20	19.72	2.49	36.10	47.02	52.48	68.87	---
15	17.93	2.32	34.31	45.24	50.70	67.08	---
10	16.09	2.13	32.47	43.39	48.85	65.23	---
5	14.26	1.94	30.65	41.57	47.03	63.41	---
0	12.44	1.73	28.82	39.74	45.20	61.59	---
-5	10.61	1.52	27.00	37.92	43.38	59.76	---
-10	8.70	1.28	25.08	36.00	41.46	57.84	---

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)

AUXILIARY HEATING DATA (CONT.)

APH1543M41**

CONDITIONS: 1350 CFM; INDOOR AIR @ 70°F DB

OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUX. HEAT		CAPACITY OF UNIT W/ KW OF AUX. HEAT				
	CAPACITY BTU/H	COP	5K	8K	10K	15K	20K
65	50.28	4.31	67.35	77.58	84.41	101.48	---
60	47.60	4.16	64.67	74.90	81.73	98.80	---
55	44.80	4.00	61.87	72.10	78.93	96.00	---
50	41.88	3.82	58.95	69.18	76.01	93.08	---
45	38.76	3.61	55.83	66.06	72.89	89.96	---
40	36.00	3.43	53.07	63.30	70.13	87.20	---
35	33.20	3.24	50.27	60.50	67.33	84.40	---
30	24.92	2.53	41.99	52.22	59.05	76.12	---
25	23.00	2.39	40.07	50.30	57.13	74.20	---
20	21.18	2.25	38.25	48.48	55.31	72.38	---
15	19.26	2.10	36.33	46.56	53.39	70.46	---
10	17.28	1.93	34.35	44.58	51.41	68.48	---
5	15.32	1.76	32.39	42.62	49.45	66.52	---
-5	11.40	1.38	28.47	38.70	45.53	62.60	---
-10	9.34	1.16	26.41	36.64	43.47	60.54	---

APH1560M41**

CONDITIONS: 1800 CFM; INDOOR AIR @ 70°F DB

OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUX. HEAT		CAPACITY OF UNIT W/ KW OF AUX. HEAT				
	CAPACITY BTU/H	COP	5K	8K	10K	15K	20K
65	70.39	3.93	86.77	97.70	103.16	119.54	135.92
60	66.64	3.79	83.02	93.94	99.40	115.79	132.17
55	62.72	3.64	79.10	90.02	95.48	111.87	128.25
50	58.63	3.48	75.01	85.94	91.40	107.78	124.16
45	54.26	3.29	70.65	81.57	87.03	103.41	119.79
40	50.40	3.11	66.78	77.70	83.16	99.55	115.93
35	46.48	2.94	62.86	73.78	79.24	95.63	112.01
30	38.88	2.52	55.26	66.18	71.64	88.02	104.40
25	35.88	2.38	52.26	63.18	68.64	85.03	101.41
20	33.04	2.24	49.42	60.34	65.81	82.19	98.57
15	30.05	2.08	46.43	57.35	62.81	79.19	95.58
10	26.96	1.92	43.34	54.26	59.72	76.10	92.49
5	23.90	1.74	40.28	51.20	56.66	73.05	89.43
0	20.84	1.56	37.22	48.15	53.61	69.99	86.37
-5	17.78	1.36	34.17	45.09	50.55	66.93	83.31
-10	14.57	1.15	30.95	41.87	47.34	63.72	80.10

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)

APH1549M41**

CONDITIONS: 1700 CFM INDOOR AIR @ 70°F DB

OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUX. HEAT		CAPACITY OF UNIT W/ KW OF AUX. HEAT				
	CAPACITY BTU/H	COP	5K	8K	10K	15K	20K
65	57.38	4.00	73.76	84.69	90.15	106.53	122.91
60	54.32	3.86	70.71	81.63	87.09	103.47	119.85
55	51.13	3.70	67.51	78.43	83.89	100.28	116.66
50	47.80	3.53	64.18	75.10	80.56	96.94	113.33
45	44.23	3.34	60.62	71.54	77.00	93.38	109.76
40	41.09	3.16	57.47	68.39	73.85	90.23	106.61
35	37.89	2.98	54.27	65.19	70.65	87.04	103.42
30	30.65	2.45	47.03	57.96	63.42	79.80	96.18
25	28.29	2.32	44.67	55.59	61.05	77.44	93.82
20	26.05	2.18	42.43	53.36	58.82	75.20	91.58
15	23.69	2.03	40.07	50.99	56.45	72.84	89.22
10	21.25	1.86	37.64	48.56	54.02	70.40	86.78
5	18.84	1.69	35.23	46.15	51.61	67.99	84.37
0	16.43	1.51	32.82	43.74	49.20	65.58	81.96
-5	14.02	1.32	30.40	41.33	46.79	63.17	79.55
-10	11.49	1.11	27.87	38.79	44.25	60.64	77.02

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	
APH1524M41**	5.4	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	46	50	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	58	60	7.0 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	71	80	9.5 / 32,400
APH1530M41**	5.4	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	48	50	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	60	60	7.0 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	73	80	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	97	100	14.25 / 48,600
APH1536M41**	5.4	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	51	60	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	63	70	7.0 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	76	80	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	101	110	14.25 / 48,600
APH1543M41**	3.6	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	51	60	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	63	70	7.0 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	76	80	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	101	110	14.25 / 48,600
APH1549M41**	3.6	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	56	70	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	67	80	7.00 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	80	90	9.50 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	105	110	14.25 / 48,600
HKP-20C*	43 / 49	45 / 50	43 / 49	45 / 50	132	150	19.0 / 64,800
APH1560M41**	8.8	---	---	---	--	--	---
HKR-05*, HKR-05C*	21 / 25	25 / 25	---	---	67	80	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	79	90	7.0 / 23,800
HKR-10*, HKR-10C*	43 / 49	45 / 50	---	---	92	100	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	116	125	14.25 / 48,600
HKP-20C*	43 / 49	45 / 50	43 / 49	45 / 50	144	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-15C* and HKP-20C* replace HKR-15C and HKR-20C respectively to meet new UL1995 requirements.

DIPSWITCH SETTINGS

MODEL	SWITCH 1	SWITCH 2	ELECTRIC HEAT CFM	SPEED TAP
APH1524	Off	Off	1,050	A*
	On	Off	950	B
	Off	On	825	C
	On	On	700	D
APH1530	Off	Off	1,250	A*
	On	Off	1,100	B
	Off	On	1,000	C
	On	On	800	D
APH1536	Off	Off	1,250	A*
	On	Off	1,100	B
	Off	On	1,000	C
	On	On	800	D
APH1543, APH1549	Off	Off	1,800	A*
	On	Off	1,700	B
	Off	On	1,400	C**
	On	On	1,225	D
APH1560	Off	Off	2,000	A*
	On	Off	1,800	B
	Off	On	1,600	C
	On	On	1,400	D

* Denotes factory setting

** Denotes factory setting APH1543

NOTES:

- **Important:** Disconnect power to unit before moving jumper to prevent damage to TAP board.
- APH1560: low-stage cool will be 70% of high-stage cool.

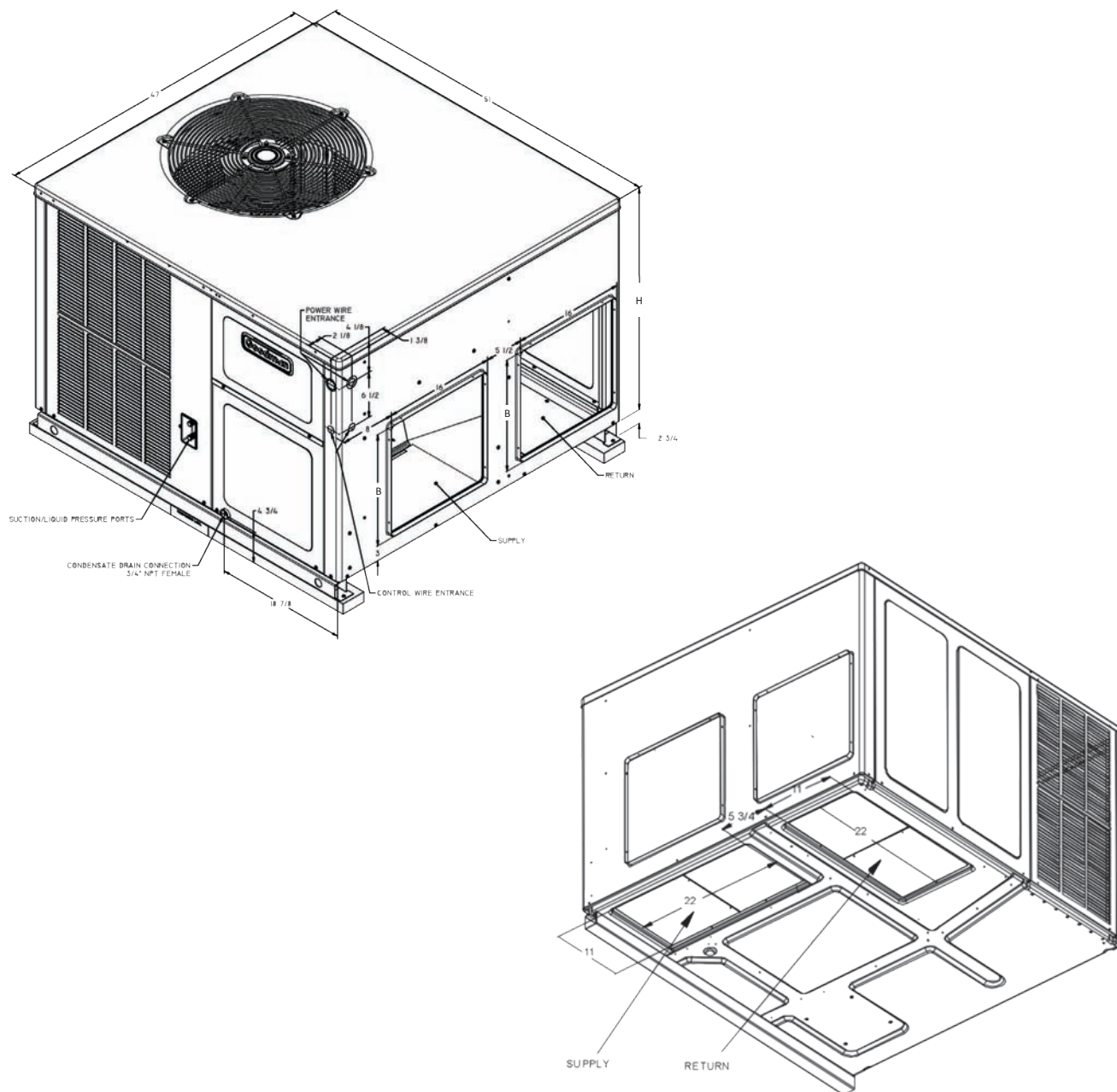
MODEL	SWITCH 1	SWITCH 2	ELECTRIC HEAT CFM	SPEED TAP
APH1524	Off	Off	1,050	A*
	On	Off	950	B
	Off	On	825	C
	On	On	700	D
APH1530	Off	Off	1,250	A*
	On	Off	1,100	B
	Off	On	1,000	C
	On	On	800	D
APH1536	Off	Off	1,250	A*
	On	Off	1,100	B
	Off	On	1,000	C
	On	On	800	D
APH1543, APH1549	Off	Off	1,800	A*
	On	Off	1,700	B
	Off	On	1,400	C**
	On	On	1,225	D***
APH1560	Off	Off	2,000	A*
	On	Off	1,800	B
	Off	On	1,600	C
	On	On	1,400	D

* denotes factory setting

** Denotes factory setting APH1543

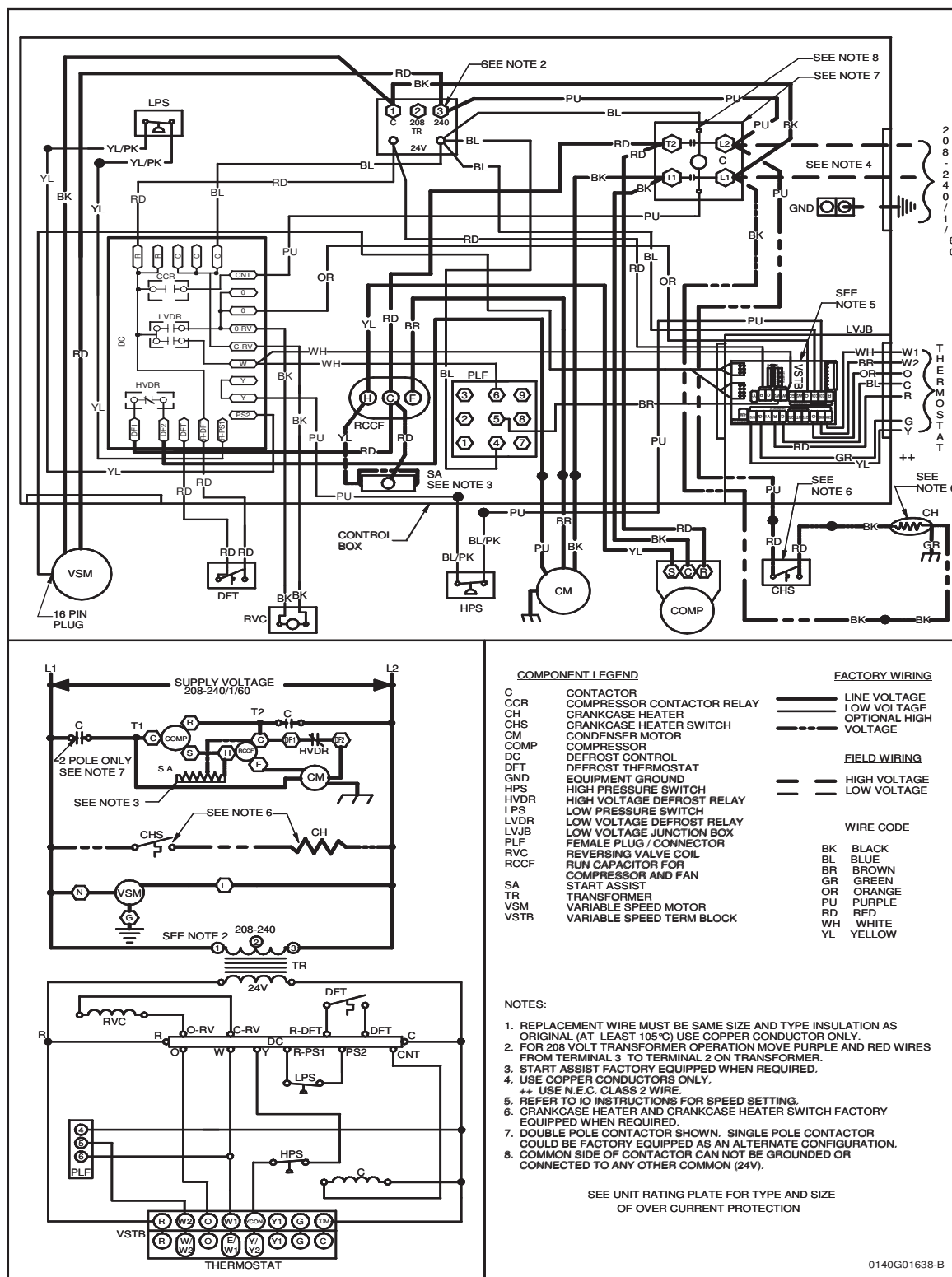
*** Denotes factory setting APH1549

DIMENSIONS



MODEL	MED.	LARGE	W"	D'	H'	B	H
APH1524M41**	X		47	51	34%	16"	32½"
APH1530M41**	X		47	51	34%	16"	32½"
APH1536M41**	X		47	51	34%	16"	32½"
APH1543M41**		X	47	51	42%	18"	40"
APH1549M41**		X	47	51	42%	18"	40"
APH1560M41**		X	47	51	42%	18"	40"

WIRING DIAGRAM — APH1524-36/43**

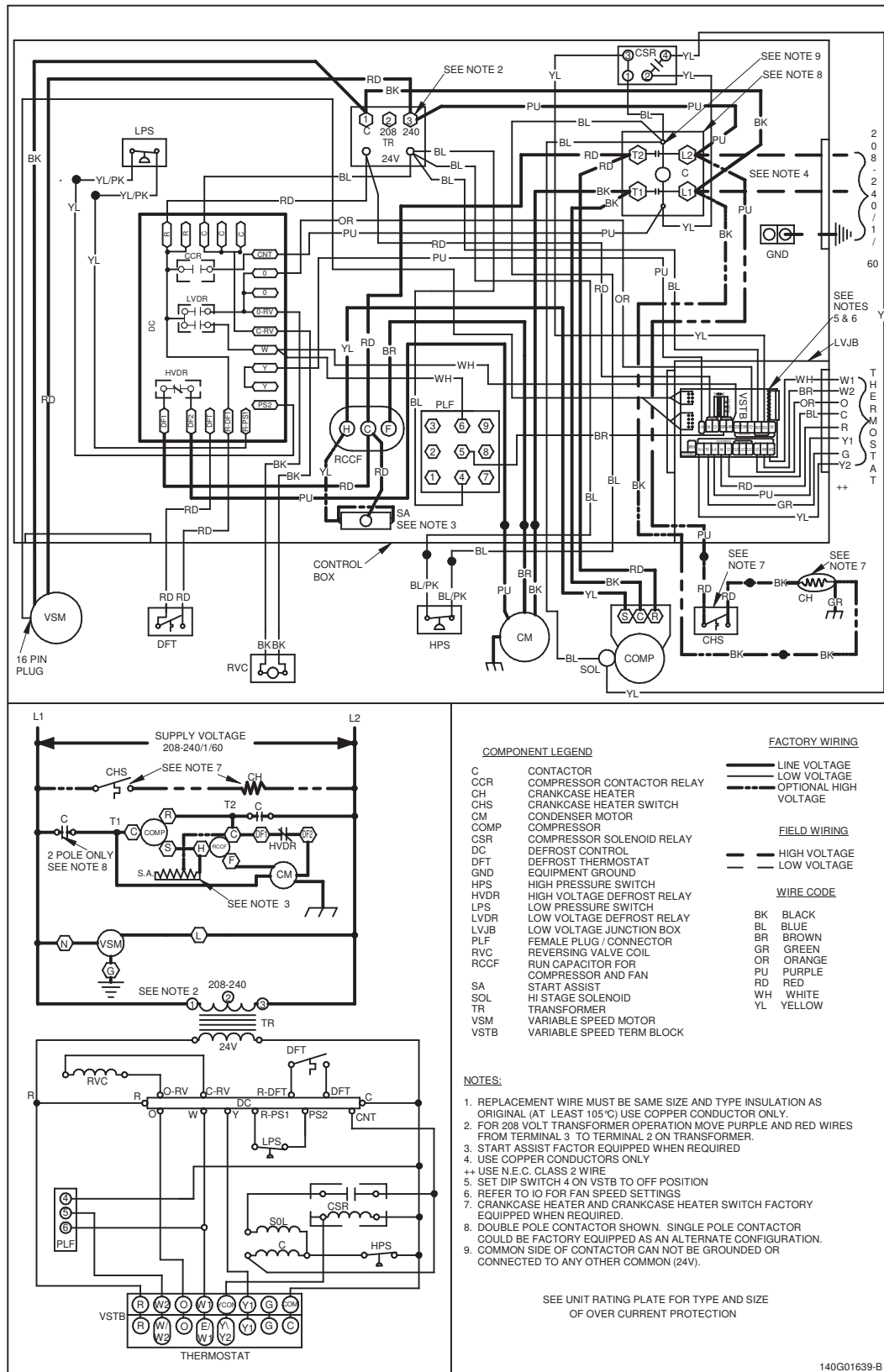


High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

WARNING

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

WIRING DIAGRAM — APH1549/60**



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.

ACCESSORIES

ACCESSORY DESCRIPTION	ITEM NUMBER	
	MEDIUM CHASSIS	LARGE CHASSIS
Concentric Kit	CDK36	CDK4872
Downflow Economizer	GPH13MED102	GPH13MED103
Downflow Internal Filter Rack	GPH13MFR102	GPH13MFR103
Downflow Manual Damper	PGMDD101/102	PGMDD103
Downflow Motorized Damper	PGMDMD101/102	PGMDMD103
Downflow Square to Round	SQRP101/102	SQRP103
External Horizontal Filter Rack	GPGHFR101-103	GPGHFR101-103
Horizontal Duct Cover	20464501PDGK	20464502PDGK
Horizontal Economizer	PEHH101/102	PEHH103
Horizontal manual Damper	PGMDH102	PGMDH103
Horizontal Motorized Damper	PGMDMH102	PGMDMH103
Horizontal Square to Round	SQRP101/102	SQRP103
Outdoor Thermostat & Emergency Heat Relay Kit	OT/EHR18-60	OT/EHR18-60
Outdoor Thermostat Kit w/ Lockout Stat	OT18-60A	OT18-60A
Roof Curb	PGC101/102/103	PGC101/102/103

SINGLE-POINT KIT ACCESSORY KITS

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

MODEL	SINGLE-POINT KIT
APH1524M41B*	SPK-30
APH1530M41B*	SPK-35
APH1536M41B*	SPK-40
APH1543M41B*	SPK-40
APH1549M41B*	SPK-50
APH1560M41B*	SPK-60

NOTES