

R-32 PACKAGED HEAT PUMPS
15.2 SEER2
2 TO 5 TONS



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R32

Standard Features

- High-efficiency scroll compressor
- Variable-speed ECM indoor blower motor
- Quiet horizontal discharge
- All-aluminum evaporator coil
- Copper tube / aluminum fin condenser coils
- Compressor sound blanket
- Totally enclosed, permanently lubricated condenser fan motor
- Fully charged system
- Electric heat kit available as a field-installed option
- AHRI certified; UL listed

Cabinet Features

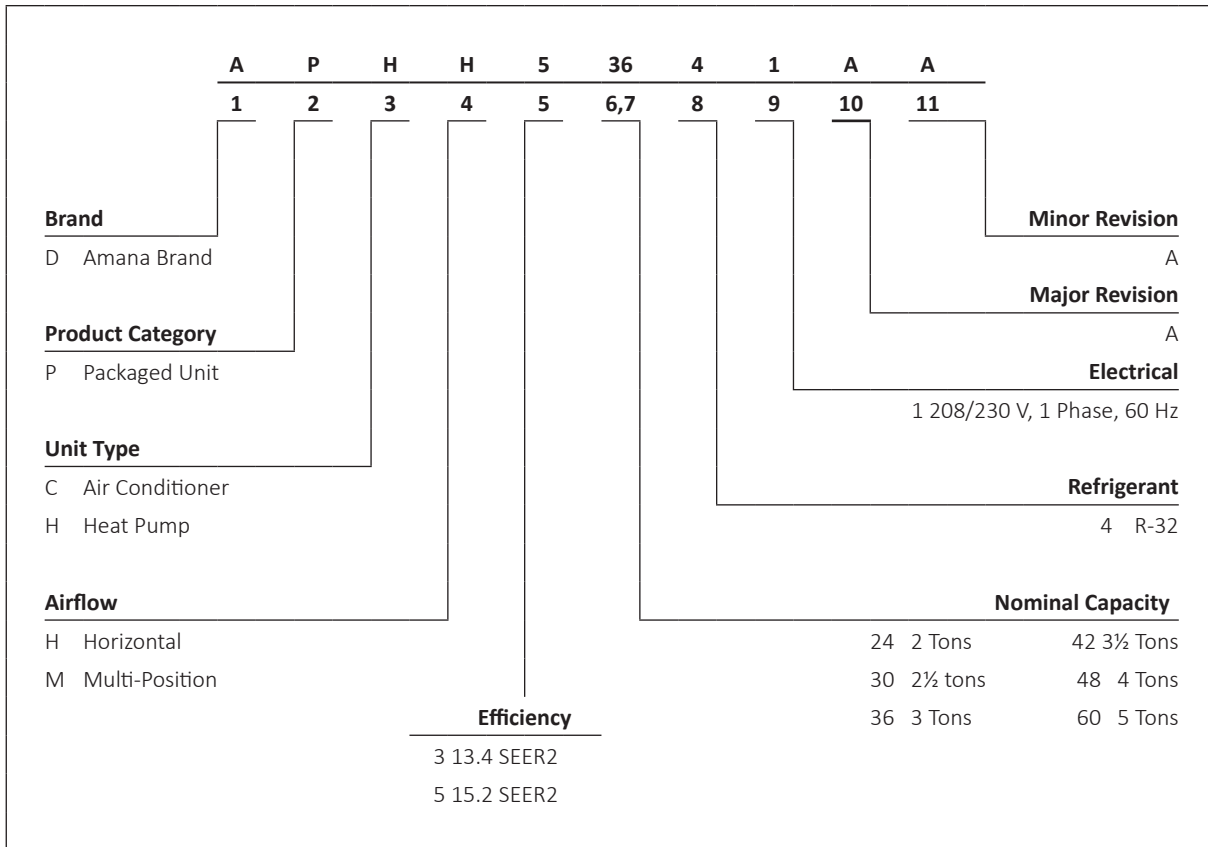
- Heavy-gauge galvanized-steel cabinet
- Attractive architectural gray powder-paint finish
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Meets cabinet air leakage requirements when tested in accordance with ASHRAE standard 193
- Fully insulated blower compartment with convenient access panels
- Louvered condenser coil protection
- One footprint for all tonnages
- When properly anchored, meets the 2023 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)



COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL
 ■ ISO 9001 ■

COMPANY WITH ENVIRONMENTAL SYSTEM CERTIFIED BY DNV GL
 ■ ISO 14001 ■

* Complete warranty available from your local dealer or at www.amana-hac.com. To receive the 99-Year Heat Exchanger 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, Florida, or Québec. The duration of warranty coverages in Texas and Florida differs in some cases. Other limitations and exclusions apply, refer to complete warranty details for full list of limitations and exclusions.



	APHH5 2431	APHH5 3031	APHH5 3631	APHH5 4231	APHH5 4831	APHH5 6031
COOLING CAPACITY						
Total BTU/h	23,600	27,000	32,600	42,000	45,000	55,000
Sensible BTU/h	18,408	21,330	26,080	30,240	35,550	39,600
SEER2	15.0	15.2	15.2	15.2	15.2	15.2
EER2	11.2	11.2	11.2	11.2	11.2	11.2
HEATING CAPACITY						
BTU/h (47°F)	24,000	26,000	30,000	41,500	41,500	52,000
C.O.P. (47°F)	3.8	3.66	3.42	3.48	3.48	3.44
BTU/h (17°F)	13000	14400	18600	25000	25000	31400
C.O.P. (17°F)	2.4	2.2	2.32	2.24	2.26	2.28
HSPF2	7.00	7.00	7.00	6.70	6.70	6.80
EVAPORATOR FAN / COIL						
Type	ECM	ECM	ECM	ECM	ECM	ECM
Wheel (D x W)	10 x 8	10 x 8	10 x 8	10 x 8	10 x 8	11 x 8
Indoor Nominal CFM	875	1050	1180	1300	1550	1700
No. of Speeds	Variable	Variable	Variable	Variable	Variable	Variable
Indoor Blower FLA	4.3	4.3	4.3	6.8	6.8	6.8
Horsepower	1/2	1/2	1/2	3/4	3/4	3/4
FACE AREA (FT2)	5.26	5.26	6.23	6.23	6.23	7.01
Rows Deep / Fins per Inch	4/14	4/14	4/14	4/14	4/14	4/14
Metering Device Type	TXV	TXV	TXV	TXV	TXV	TXV
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	98	99	144	121	129	140
Condenser Fan / Coil						
Outdoor Fan FLA	0.95	0.95	1.4	2	2	1.4
HORSEPOWER	1/6	1/6	1/4	1/3	1/3	1/4
Blade Diameter	22	22	22	22	22	22
Face Area (ft2)	14.4	13.92	13.92	16.5	16.5	18.85
Rows Deep / Fins per Inch	2/16	2/16	2/16	2/16	2/16	2/20
METERING DEVICE TYPE	Piston	Piston	Piston	TXV	TXV	TXV
Compressor						
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Stage	Single	Single	Two	Two	Two	Two
RLA	10.62	12.8	14.53	23.23	23.23	27.072
LRA	56.5	76	91	128.4	128.4	178
Electrical Data						
Phase	1	1	1	1	1	1
Voltage (Frequency 60 Hz)	208-230	208-230	208-230	208-230	208-230	208-230
MIN. CIRCUIT AMPACITY	18.53	21.25	23.86	37.84	37.84	42.04
Max. Overcurrent Protection	25	30	35	60	60	60
Decibels	76	76	78	78	80	80
Operating/Shipping Weights (lbs)	350 / 360	350 / 360	390 / 400	400 / 410	410 / 420	430 / 440

Note:

Always check the S&R plate for electrical data on the unit being installed.
 Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.
 Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

EXPANDED COOLING DATA — APHH52431

IDB		OUTDOOR AMBIENT TEMPERATURE																																																							
		65								75								85								95								105								115															
		AIRFLOW	59	63	67	71	75	79	83	59	63	67	71	75	79	83	59	63	67	71	75	79	83	59	63	67	71	75	79	83	59	63	67	71	75	79	83																				
70	MBh	23.8	24.2	24.9	-	23.6	24.0	24.7	-	23.0	23.3	24.1	-	21.9	22.3	23.0	-	20.6	20.9	21.7	-	19.4	19.7	20.5	-	20.6	20.9	21.7	-	19.4	19.7	20.5	-	20.6	20.9	21.7	-	19.4	19.7	20.5	-	20.6	20.9	21.7	-	19.4	19.7	20.5	-	20.6	20.9	21.7	-	19.4	19.7	20.5	-
	S/T	0.57	0.49	0.35	-	0.58	0.50	0.36	-	0.60	0.52	0.38	-	1.00	0.54	0.40	-	1.00	0.57	0.43	-	1.00	0.62	0.48	-	1.00	0.57	0.43	-	1.00	0.62	0.48	-	1.00	0.57	0.43	-	1.00	0.62	0.48	-	1.00	0.57	0.43	-	1.00	0.62	0.48	-	1.00	0.57	0.43	-	1.00	0.62	0.48	-
	ΔT	19.28	17.57	14.37	-	19.24	17.52	14.32	-	19.48	17.76	14.56	-	19.22	17.50	14.30	-	18.99	17.27	14.07	-	20.06	18.35	15.15	-	18.99	17.27	14.07	-	20.06	18.35	15.15	-	18.99	17.27	14.07	-	20.06	18.35	15.15	-	18.99	17.27	14.07	-	20.06	18.35	15.15	-	18.99	17.27	14.07	-	20.06	18.35	15.15	-
	kW	1.56	1.56	1.56	-	1.76	1.76	1.76	-	1.99	1.99	1.98	-	2.23	2.23	2.23	-	2.50	2.50	2.50	-	2.82	2.82	2.82	-	2.50	2.50	2.50	-	2.82	2.82	2.82	-	2.50	2.50	2.50	-	2.82	2.82	2.82	-	2.50	2.50	2.50	-	2.82	2.82	2.82	-								
	Amps	5.97	5.96	5.94	-	6.84	6.84	6.82	-	7.83	7.82	7.80	-	8.89	8.88	8.86	-	10.07	10.07	10.05	-	11.46	11.46	11.44	-	10.07	10.07	10.05	-	11.46	11.46	11.44	-	10.07	10.07	10.05	-	11.46	11.46	11.44	-	10.07	10.07	10.05	-	11.46	11.46	11.44	-								
	Hi PR	245	246	247	-	283	284	286	-	324	325	327	-	368	369	371	-	415	416	418	-	465	466	468	-	368	369	371	-	415	416	418	-	368	369	371	-	415	416	418	-	368	369	371	-	415	416	418	-								
	Lo PR	124	125	129	-	131	133	136	-	138	140	143	-	144	145	148	-	149	151	154	-	156	158	161	-	138	140	143	-	144	145	148	-	138	140	143	-	144	145	148	-	138	140	143	-	144	145	148	-								
70	MBh	24.3	24.7	25.4	-	24.1	24.4	25.2	-	23.5	23.8	24.5	-	22.4	22.7	23.5	-	21.1	21.4	22.1	-	19.9	20.2	20.9	-	21.1	21.4	22.1	-	19.9	20.2	20.9	-	21.1	21.4	22.1	-	19.9	20.2	20.9	-	21.1	21.4	22.1	-	19.9	20.2	20.9	-								
	S/T	0.68	0.61	0.47	-	0.69	0.61	0.47	-	0.72	0.64	0.50	-	1.00	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.73	0.59	-	1.00	0.68	0.54	-	1.00	0.73	0.59	-	1.00	0.68	0.54	-	1.00	0.73	0.59	-																
	ΔT	17.50	15.79	12.59	-	17.46	15.74	12.54	-	17.70	15.98	12.78	-	17.44	15.73	12.52	-	17.21	15.50	12.30	-	18.28	16.57	13.37	-	17.21	15.50	12.30	-	18.28	16.57	13.37	-	17.21	15.50	12.30	-	18.28	16.57	13.37	-																
	kW	1.58	1.58	1.57	-	1.78	1.78	1.78	-	2.01	2.00	2.00	-	2.25	2.25	2.24	-	2.52	2.52	2.52	-	2.84	2.84	2.84	-	2.52	2.52	2.52	-	2.84	2.84	2.84	-	2.52	2.52	2.52	-	2.84	2.84	2.84	-																
	Amps	6.04	6.04	6.02	-	6.92	6.92	6.90	-	7.90	7.90	7.88	-	8.96	8.96	8.94	-	10.15	10.14	10.13	-	11.54	11.53	11.52	-	10.15	10.14	10.13	-	11.54	11.53	11.52	-	10.15	10.14	10.13	-	11.54	11.53	11.52	-																
	Hi PR	248	249	251	-	287	288	290	-	327	328	330	-	371	372	374	-	418	419	421	-	469	470	472	-	327	328	330	-	371	372	374	-	327	328	330	-	371	372	374	-																
	Lo PR	127	128	131	-	134	136	139	-	141	143	146	-	147	148	151	-	152	154	157	-	164	165	168	-	141	143	146	-	147	148	151	-	141	143	146	-	147	148	151	-																
1100	MBh	25.2	25.5	26.2	-	25.0	25.3	26.0	-	24.3	24.7	25.4	-	23.3	23.6	24.3	-	21.9	22.3	23.0	-	20.7	21.1	21.8	-	21.9	22.3	23.0	-	20.7	21.1	21.8	-	21.9	22.3	23.0	-	20.7	21.1	21.8	-																
	S/T	0.73	0.65	0.51	-	0.74	0.66	0.52	-	1.00	0.68	0.55	-	1.00	0.70	0.57	-	1.00	0.73	0.59	-	1.00	1.00	0.64	-	1.00	0.73	0.59	-	1.00	1.00	0.64	-	1.00	0.73	0.59	-	1.00	1.00	0.64	-																
	ΔT	15.82	14.10	10.90	-	15.77	14.06	10.85	-	16.01	14.30	11.10	-	15.75	14.04	10.84	-	15.52	13.81	10.61	-	16.60	14.88	11.68	-	15.52	13.81	10.61	-	16.60	14.88	11.68	-	15.52	13.81	10.61	-	16.60	14.88	11.68	-																
	kW	1.60	1.59	1.59	-	1.80	1.80	1.79	-	2.02	2.02	2.02	-	2.27	2.27	2.26	-	2.54	2.54	2.53	-	2.86	2.86	2.85	-	2.27	2.27	2.26	-	2.86	2.86	2.85	-	2.27	2.27	2.26	-	2.86	2.86	2.85	-																
	Amps	6.12	6.11	6.10	-	7.00	6.99	6.98	-	7.98	7.97	7.96	-	9.04	9.03	9.02	-	10.22	10.22	10.20	-	11.62	11.61	11.59	-	9.04	9.03	9.02	-	11.62	11.61	11.59	-	9.04	9.03	9.02	-	11.62	11.61	11.59	-																
	Hi PR	252	253	255	-	291	292	294	-	332	333	334	-	375	376	378	-	423	424	425	-	473	474	476	-	332	333	334	-	375	376	378	-	332	333	334	-	375	376	378	-																
	Lo PR	131	133	136	-	139	140	144	-	146	147	150	-	151	153	156	-	157	158	161	-	164	165	168	-	146	147	150	-	151	153	156	-	146	147	150	-	151	153	156	-																
70	MBh	23.9	24.2	24.9	26.0	23.6	24.0	24.7	25.8	23.0	23.4	24.1	25.2	21.9	22.3	23.0	24.1	20.6	21.0	21.7	22.8	19.4	19.8	20.5	21.6	23.0	23.4	24.1	25.2	21.9	22.3	23.0	24.1	20.6	21.0	21.7	22.8	19.4	19.8	20.5	21.6																
	S/T	0.70	0.62	0.49	0.3	0.71	0.63	0.49	0.3	1.00	0.66	0.52	0.4	1.00	0.68	0.54	0.4	1.00	0.70	0.56	0.4	1.00	1.00	0.61	0.5	1.00	0.66	0.52	0.4	1.00	0.68	0.54	0.4	1.00	0.70	0.56	0.4	1.00	1.00	0.61	0.5																
	ΔT	23.05	21.34	18.14	14.8	23.01	21.29	18.09	14.8	23.25	21.53	18.33	15.0	22.99	21.27	18.07	14.8	22.76	21.04	17.84	14.5	23.83	22.12	18.92	15.6	23.25	21.53	18.33	15.0	22.99	21.27	18.07	14.8	22.76	21.04	17.84	14.5	23.83	22.12	18.92	15.6																
	kW	1.56	1.56	1.55	1.6	1.76	1.76	1.76	1.8	1.99	1.98	1.98	2.0	2.23	2.23	2.23	2.2	2.50	2.50	2.50	2.5	2.82	2.82	2.82	2.8	1.99	1.98	1.98	2.0	2.23	2.23	2.23	2.2	2.50	2.50	2.50	2.5	2.82	2.82	2.82	2.8																
	Amps	5.96	5.95	5.94	6.0	6.84	6.83	6.82	6.9	7.82	7.81	7.80	7.9	8.88	8.87	8.86	8.9	10.07	10.06	10.04	10.1	11.46	11.45	11.44	11.5	6.84	6.83	6.82	6.9	7.82	7.81	7.80	7.9	8.88	8.87	8.86	8.9	10.07	10.06	10.04	10.1	11.46	11.45	11.44	11.5												
	Hi PR	245	246	248	251.8	284	285	286	290.6	324	325	327	331.3	368	369	371	375.0	415	416	418	422.2	465	467	468	472.6	284	285	286	290.6	324	325	327	331.3	368	369	371	375.0	415	416	418	422.2	465	467	468	472.6												
	Lo PR	124	125	129	133.9	132	133	136	141.5	138	140	143	148.2	144	145	149	153.8	149	151	154	159.4	156	158	161	166.3	132	133	136	141.5	138	140	143	148.2	144	145	149	153.8	149	151	154	159.4	156	158	161	166.3												
75	MBh	24.3	24.7	25.4	26.5	24.1	24.5	25.2	26.3	23.5	23.8	24.6	25.6	22.4	22.8	23.5	24.6	21.1	21.4	22.2	23.3	19.9	20.2	21.0	22.0	24.1	24.5	25.2	26.3	23.5	23.8	24.6	25.6	22.4	22.8	23.5	24.6	21.1	21.4	22.2	23.3	19.9	20.2	21.0	22.0												
	S/T	0.82	0.74	0.60	0.5	1.00	0.74	0.61	0.5	1.00	0.77	0.63	0.5	1.00	0.79	0.65	0.5	1.00	0.81	0.67	0.5	1.00	1.00	0.73	0.6	1.00	0.74	0.61	0.5	1.00	0.77	0.63	0.5	1.00	0.79	0.65	0.5	1.00	0.81	0.67	0.5	1.00	1.00	0.73	0.6												
	ΔT	21.27	19.56	16.36	13.0	21.23	19.51	16.31	13.0	21.47	19.75	16.55	13.2	21.21	19.50	16.29	13.0	20.98	19.27	16.07	12.7	22.05	20.34	17.14	13.8	21.23	19.51	16.31	13.0	21.47	19.75	16.55	13.2	21.21	19.50	16.29	13.0	20.98	19.27	16.07	12.7	22.05	20.34	17.14	13.8												
	kW	1.58	1.58	1.57	1.6	1.78	1.78	1.77	1.8	2.00																																															

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE															105															115														
		65					75					85					95					105					115																			
		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	700	MBh	24.0	24.3	25.0	26.1	23.8	24.1	24.8	25.9	23.1	23.5	24.2	25.3	22.1	22.4	23.1	24.2	20.7	21.1	21.8	22.9	19.5	19.9	20.6	21.7	22.1	22.4	23.1	24.2	20.7	21.1	21.8	22.9	19.5	19.9	20.6	21.7								
		S/T	1.00	0.75	0.61	0.5	1.00	0.79	0.65	0.5	1.00	1.00	0.79	0.65	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.69	0.5	1.00	1.00	0.74	0.6	1.00	1.00	0.67	0.5	1.00	1.00	0.69	0.5	1.00	1.00	0.74	0.6							
		ΔT	26.85	25.13	21.93	18.6	26.80	25.09	21.88	18.6	27.04	25.33	22.13	18.8	26.78	25.07	21.87	18.6	26.55	24.84	21.64	18.3	27.63	25.91	22.71	19.4	26.55	24.84	21.64	18.3	27.63	25.91	22.71	19.4	26.55	24.84	21.64	18.3								
		kW	1.56	1.56	1.56	1.6	1.76	1.76	1.76	1.8	1.99	1.99	1.98	2.0	2.23	2.23	2.23	2.2	2.50	2.50	2.50	2.5	2.82	2.82	2.82	2.8	2.50	2.50	2.50	2.5	2.82	2.82	2.82	2.8	2.50	2.50	2.50	2.5								
		Amps	5.97	5.96	5.94	6.0	6.84	6.84	6.82	6.9	7.82	7.82	7.80	7.9	8.89	8.88	8.86	8.9	10.07	10.06	10.05	10.1	11.46	11.46	11.44	11.5	10.07	10.06	10.05	10.1	11.46	11.46	11.44	11.5	10.07	10.06	10.05	10.1								
	Hi PR	245	246	248	252.3	284	285	287	291.1	325	326	327	331.7	368	369	371	375.5	416	417	418	422.7	466	467	469	473.0	368	369	371	375.5	416	417	418	422.7	466	467	469	473.0									
	Lo PR	124	126	129	134.5	132	134	137	142.1	139	140	143	148.8	144	146	149	154.4	150	151	155	159.9	157	158	162	166.8	144	146	149	154.4	150	151	155	159.9	157	158	162	166.8									
	875	MBh	24.5	24.8	25.5	26.6	24.2	24.6	25.3	26.4	23.6	24.0	24.7	25.8	22.5	22.9	23.6	24.7	21.2	21.6	22.3	23.4	20.0	20.4	21.1	22.2	22.5	22.9	23.6	24.7	21.2	21.6	22.3	23.4	20.0	20.4	21.1	22.2								
		S/T	1.00	0.87	0.73	0.6	1.00	0.87	0.73	0.6	1.00	0.90	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.78	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.86	0.7								
		ΔT	25.07	23.36	20.15	16.8	25.02	23.31	20.11	16.8	25.26	23.55	20.35	17.0	25.01	23.29	20.09	16.8	24.78	23.06	19.86	16.5	25.85	24.14	20.93	17.6	25.01	23.29	20.09	16.8	24.78	23.06	19.86	16.5	25.85	24.14	20.93	17.6								
kW		1.58	1.58	1.57	1.6	1.78	1.78	1.78	1.8	2.01	2.00	2.00	2.0	2.25	2.25	2.24	2.3	2.52	2.52	2.52	2.5	2.84	2.84	2.84	2.9	2.25	2.25	2.24	2.3	2.52	2.52	2.52	2.5	2.84	2.84	2.84	2.9									
Amps		6.04	6.04	6.02	6.1	6.92	6.92	6.90	7.0	7.90	7.90	7.88	7.9	8.96	8.96	8.94	9.0	10.15	10.14	10.13	10.2	11.54	11.54	11.52	11.6	8.96	8.96	8.94	9.0	10.15	10.14	10.13	10.2	11.54	11.54	11.52	11.6									
1100	Hi PR	249	250	251	255.7	287	288	290	294.5	328	329	331	335.2	372	373	375	378.9	419	420	422	426.1	469	470	472	476.5	372	373	375	378.9	419	420	422	426.1	469	470	472	476.5									
	Lo PR	127	129	132	137.4	135	136	140	145.0	142	143	146	151.6	147	149	152	157.3	153	154	157	162.8	160	161	164	169.7	147	149	152	157.3	153	154	157	162.8	160	161	164	169.7									
	MBh	25.3	25.7	26.4	27.5	25.1	25.5	26.2	27.3	24.5	24.8	25.5	26.6	23.4	23.7	24.5	25.6	22.1	22.4	23.1	24.2	20.9	21.2	21.9	23.0	23.4	23.7	24.5	25.6	22.1	22.4	23.1	24.2	20.9	21.2	21.9	23.0									
	S/T	1.00	0.91	0.77	0.6	1.00	0.92	0.78	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	1.00	0.8	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	1.00	0.8									
	ΔT	23.38	21.67	18.47	15.1	23.34	21.62	18.42	15.1	23.58	21.86	18.66	15.3	23.32	21.60	18.40	15.1	23.09	21.37	18.17	14.9	24.16	22.45	19.25	15.9	23.32	21.60	18.40	15.1	23.09	21.37	18.17	14.9	24.16	22.45	19.25	15.9									
85	700	MBh	24.4	24.7	25.4	26.5	24.2	24.5	25.2	26.3	23.5	23.9	24.6	25.7	22.5	22.8	23.5	24.6	21.1	21.5	22.2	23.3	19.9	20.3	21.0	22.1	22.5	22.8	23.5	24.6	21.1	21.5	22.2	23.3	19.9	20.3	21.0	22.1								
		S/T	1.00	0.86	0.72	0.6	1.00	0.86	0.72	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.79	0.6	1.00	1.00	1.00	0.7	1.00	1.00	0.77	0.6	1.00	1.00	0.79	0.6	1.00	1.00	1.00	0.7								
		ΔT	30.21	28.50	25.30	22.0	30.17	28.45	25.25	21.9	30.41	28.69	25.49	22.2	30.15	28.43	25.23	21.9	29.92	28.21	25.00	21.7	30.99	29.28	26.08	22.8	30.15	28.43	25.23	21.9	29.92	28.21	25.00	21.7	30.99	29.28	26.08	22.8								
		kW	1.56	1.56	1.56	1.6	1.77	1.76	1.76	1.8	1.99	1.99	1.99	2.0	2.24	2.23	2.23	2.2	2.51	2.51	2.50	2.5	2.83	2.83	2.82	2.8	2.24	2.23	2.23	2.2	2.51	2.51	2.50	2.5	2.83	2.83	2.82	2.8								
		Amps	5.98	5.98	5.96	6.0	6.86	6.85	6.84	6.9	7.84	7.83	7.82	7.9	8.90	8.90	8.88	8.9	10.09	10.08	10.07	10.1	11.48	11.47	11.46	11.5	8.90	8.90	8.88	8.9	10.09	10.08	10.07	10.1	11.48	11.47	11.46	11.5								
	875	Hi PR	246	247	249	253.4	285	286	288	292.2	326	327	329	332.9	370	371	372	376.6	417	418	420	423.8	467	468	470	474.2	370	371	372	376.6	417	418	420	423.8	467	468	470	474.2								
		Lo PR	126	128	131	136.4	134	135	139	144.0	141	142	145	150.6	146	148	151	156.3	152	153	156	161.8	159	160	163	168.7	146	148	151	156.3	152	153	156	161.8	159	160	163	168.7								
		MBh	24.9	25.2	25.9	27.0	24.7	25.0	25.7	26.8	24.0	24.4	25.1	26.2	22.9	23.3	24.0	25.1	21.6	22.0	22.7	23.8	20.4	20.8	21.5	22.6	22.9	23.3	24.0	25.1	21.6	22.0	22.7	23.8	20.4	20.8	21.5	22.6								
		S/T	1.00	0.97	0.83	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.88	0.7	1.00	1.00	0.80	0.8	1.00	1.00	1.00	0.8	1.00	1.00	0.88	0.7	1.00	1.00	0.80	0.8	1.00	1.00	1.00	0.8								
		ΔT	28.44	26.72	23.52	20.2	28.39	26.68	23.47	20.2	28.63	26.92	23.71	20.4	28.37	26.66	23.46	20.1	28.14	26.43	23.23	19.9	29.22	27.50	24.30	21.0	28.37	26.66	23.46	20.1	28.14	26.43	23.23	19.9	29.22	27.50	24.30	21.0								
1100	MBh	25.7	26.1	26.8	27.9	25.5	25.9	26.6	27.7	24.9	25.2	25.9	27.0	23.8	24.1	24.9	26.0	22.5	22.8	23.5	24.6	21.3	21.6	22.3	23.4	23.8	24.1	24.9	26.0	22.5	22.8	23.5	24.6	21.3	21.6	22.3	23.4									
	S/T	1.00	1.00	0.88	0.7	1.00	1.00	0.88	0.7	1.00	1.00	0.91	0.8	1.00	1.00	0.93	0.8	1.00	1.00	0.80	0.8	1.00	1.00	1.00	0.9	1.00	1.00	0.93	0.8	1.00	1.00	0.80	0.8	1.00	1.00	1.00	0.9									
	ΔT	26.75	25.03	21.83	18.5	26.70	24.99	21.79	18.5	26.94	25.23	22.03	18.7	26.68	24.97	21.77	18.5	26.46	24.74	21.54	18.2	27.53	25.81	22.61	19.3	26.68	24.97	21.77	18.5	26.46	24.74	21.54	18.2	27.53	25.81	22.61	19.3									
	kW	1.60	1.60	1.59	1.6	1.80	1.80	1.80	1.8	2.03	2.02	2.02	2.0	2.27	2.27	2.27	2.3	2.54	2.54	2.54	2.6	2.86	2.86	2.86	2.9	2.27	2.27	2.27	2.3	2.54	2.54	2.54	2.6	2.86	2.86	2.86	2.9									
	Amps	6.13	6.13	6.11	6.2	7.01	7.01	6.99	7.1	7.99	7.99	7.97	8.0	9.05	9.05	9.03	9.1	10.24	10.23	10.22	10.3	11.63	11.62	11.61	11.7	9.05	9.05	9.03	9.1	10.24	10.23	10.22	10.3	11.63	11.62	11.61	11.7									
Hi PR	254	255	257	261.1	293	294	296	299.9	333	335	336	340.5	377	378	380	384.3	424	425	427	431.5	475	476	478	481.9	377	378	380	384.3	424	425	427	431.5	475	476	478	481.9										
Lo PR	134	135	138	143.8	141	143	146	151.4	148	150	153	158.0	154	155	158	163.6	159	161	164	169.2	166	168	171	176.1	154	155	158	163.6	159	161	164	169.2	166	168	171	176.1										

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 5-7°F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																										
		65						75								85						95						105						115								
		59	63	67	71	75	79	59	63	67	71	75	79			59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79			
70	800	MBh	27.2	27.6	28.4	-	26.9	27.3	28.2	-	26.2	26.6	27.4	-	25.0	25.4	26.2	-	23.5	23.9	24.7	-	23.5	23.9	24.7	-	22.1	22.5	23.3	-	22.1	22.5	23.3	-	22.1	22.5	23.3	-	22.1	22.5	23.3	-
		S/T	0.54	0.47	0.32	-	0.55	0.47	0.33	-	0.58	0.50	0.36	-	1.00	0.52	0.38	-	1.00	0.54	0.40	-	1.00	0.54	0.40	-	1.00	0.60	0.45	-	1.00	0.60	0.45	-	1.00	0.60	0.45	-	1.00	0.60	0.45	-
		ΔT	18.72	17.09	14.05	-	18.68	17.05	14.01	-	18.90	17.28	14.23	-	18.66	17.03	13.99	-	18.44	16.81	13.77	-	18.44	16.81	13.77	-	19.46	17.83	14.79	-	19.46	17.83	14.79	-	19.46	17.83	14.79	-	19.46	17.83	14.79	-
		kW	1.78	1.78	1.78	-	2.01	2.01	2.01	-	2.27	2.27	2.26	-	2.55	2.55	2.54	-	2.86	2.86	2.85	-	2.86	2.86	2.85	-	3.22	3.22	3.22	-	3.22	3.22	3.22	-	3.22	3.22	3.22	-	3.22	3.22	3.22	-
		Amps	6.68	6.67	6.65	-	7.68	7.67	7.65	-	8.79	8.79	8.77	-	10.00	9.99	9.98	-	11.35	11.35	11.33	-	11.35	11.35	11.33	-	12.94	12.93	12.91	-	12.94	12.93	12.91	-	12.94	12.93	12.91	-	12.94	12.93	12.91	-
	Hi PR	252	253	255	-	292	293	295	-	334	335	337	-	379	380	382	-	428	429	431	-	428	429	431	-	480	481	483	-	480	481	483	-	480	481	483	-	480	481	483	-	
	Lo PR	124	125	128	-	131	133	136	-	138	139	143	-	143	145	148	-	149	150	154	-	149	150	154	-	156	157	161	-	156	157	161	-	156	157	161	-	156	157	161	-	
	1050	MBh	27.8	28.2	29.0	-	27.6	28.0	28.8	-	26.9	27.3	28.1	-	25.6	26.0	26.8	-	24.1	24.5	25.3	-	24.1	24.5	25.3	-	22.7	23.1	24.0	-	22.7	23.1	24.0	-	22.7	23.1	24.0	-	22.7	23.1	24.0	-
		S/T	0.69	0.61	0.47	-	0.70	0.62	0.48	-	0.73	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.69	0.55	-	1.00	0.74	0.60	-	1.00	0.74	0.60	-	1.00	0.74	0.60	-				
		ΔT	16.63	15.00	11.96	-	16.59	14.96	11.91	-	16.81	15.18	12.14	-	16.57	14.94	11.90	-	16.35	14.72	11.88	-	16.35	14.72	11.88	-	17.37	15.74	12.70	-	17.37	15.74	12.70	-	17.37	15.74	12.70	-				
kW		1.81	1.81	1.80	-	2.04	2.04	2.03	-	2.30	2.29	2.29	-	2.57	2.57	2.57	-	2.88	2.88	2.88	-	2.88	2.88	2.88	-	3.25	3.25	3.24	-	3.25	3.25	3.24	-	3.25	3.25	3.24	-					
Amps		6.79	6.78	6.76	-	7.79	7.78	7.76	-	8.90	8.90	8.88	-	10.11	10.11	10.09	-	11.46	11.46	11.44	-	11.46	11.46	11.44	-	13.05	13.04	13.02	-	13.05	13.04	13.02	-	13.05	13.04	13.02	-					
Hi PR	256	257	259	-	296	297	299	-	338	339	341	-	383	384	386	-	432	433	435	-	432	433	435	-	484	485	487	-	484	485	487	-	484	485	487	-						
Lo PR	127	128	132	-	135	136	139	-	141	143	146	-	147	148	152	-	152	154	157	-	152	154	157	-	159	161	164	-	159	161	164	-	159	161	164	-						
75	800	MBh	27.2	27.6	28.4	29.7	27.0	27.3	28.2	29.4	26.2	26.6	27.5	28.7	25.0	25.4	26.2	27.5	23.5	23.9	24.7	26.0	23.5	23.9	24.7	26.0	22.1	22.5	23.3	24.6	22.1	22.5	23.3	24.6								
		S/T	0.68	0.60	0.46	0.3	0.69	0.61	0.47	0.3	1.00	0.63	0.49	0.3	1.00	0.65	0.51	0.4	1.00	0.68	0.53	0.4	1.00	0.68	0.53	0.4	1.00	1.00	0.59	0.4	1.00	1.00	0.59	0.4								
		ΔT	22.30	20.67	17.63	14.5	22.26	20.63	17.59	14.4	22.49	20.86	17.82	14.7	22.24	20.61	17.57	14.4	22.02	20.39	17.35	14.2	22.02	20.39	17.35	14.2	23.04	21.41	18.37	15.2	23.04	21.41	18.37	15.2								
		kW	1.78	1.78	1.78	1.8	2.01	2.01	2.01	2.0	2.27	2.27	2.26	2.3	2.55	2.55	2.54	2.6	2.86	2.86	2.85	2.9	2.86	2.86	2.85	2.9	3.22	3.22	3.22	3.2	3.22	3.22	3.22	3.2								
		Amps	6.67	6.66	6.64	6.7	7.67	7.66	7.65	7.7	8.79	8.78	8.76	8.8	10.00	9.99	9.97	10.0	11.35	11.34	11.32	11.4	11.35	11.34	11.32	11.4	12.93	12.92	12.91	13.0	12.93	12.92	12.91	13.0								
	Hi PR	252	253	255	259.3	292	293	295	299.4	334	335	337	341.4	379	380	382	386.6	428	429	431	435.3	428	429	431	435.3	480	481	483	487.3	480	481	483	487.3									
	Lo PR	124	125	128	133.6	131	133	136	141.2	138	139	143	147.9	143	145	148	153.5	149	151	154	159.0	149	151	154	159.0	156	157	161	166.0	156	157	161	166.0									
	1050	MBh	27.8	28.2	29.1	30.3	27.6	28.0	28.8	30.1	26.9	27.3	28.1	29.3	25.6	26.0	26.9	28.1	24.1	24.5	25.3	26.6	24.1	24.5	25.3	26.6	22.8	23.2	24.0	25.2	22.8	23.2	24.0	25.2								
		S/T	0.83	0.75	0.61	0.5	1.00	0.75	0.61	0.5	1.00	0.78	0.64	0.5	1.00	0.80	0.66	0.5	1.00	0.82	0.68	0.5	1.00	0.82	0.68	0.5	1.00	1.00	0.74	0.6	1.00	1.00	0.74	0.6								
		ΔT	20.21	18.58	15.54	12.4	20.17	18.54	15.50	12.3	20.40	18.77	15.73	12.6	20.15	18.52	15.48	12.3	19.93	18.30	15.26	12.1	19.93	18.30	15.26	12.1	20.95	19.32	16.28	13.1	20.95	19.32	16.28	13.1								
kW		1.81	1.81	1.80	1.8	2.04	2.04	2.03	2.0	2.29	2.29	2.29	2.3	2.57	2.57	2.57	2.6	2.88	2.88	2.88	2.9	2.88	2.88	2.88	2.9	3.25	3.25	3.24	3.3	3.25	3.25	3.24	3.3									
Amps		6.78	6.77	6.76	6.8	7.78	7.77	7.76	7.8	8.90	8.89	8.87	8.9	10.11	10.10	10.08	10.2	11.46	11.45	11.43	11.5	11.46	11.45	11.43	11.5	13.04	13.03	13.02	13.1	13.04	13.03	13.02	13.1									
Hi PR	256	257	259	263.6	296	297	299	303.7	338	339	341	345.7	384	385	386	390.9	432	433	435	439.6	432	433	435	439.6	484	485	487	491.6	484	485	487	491.6										
Lo PR	127	129	132	137.0	135	136	139	144.6	141	143	146	151.3	147	148	152	156.9	152	154	157	162.5	152	154	157	162.5	159	161	164	169.4	159	161	164	169.4										
1300	MBh	28.7	29.1	30.0	31.2	28.5	28.9	29.7	31.0	27.8	28.2	29.0	30.2	26.5	26.9	27.8	29.0	25.0	25.4	26.2	27.5	25.0	25.4	26.2	27.5	23.7	24.1	24.9	26.1	23.7	24.1	24.9	26.1									
	S/T	0.87	0.79	0.65	0.5	1.00	0.80	0.66	0.5	1.00	0.83	0.69	0.5	1.00	0.85	0.71	0.6	1.00	1.00	0.73	0.6	1.00	1.00	0.73	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.78	0.6									
	ΔT	18.72	17.09	14.04	10.9	18.67	17.04	14.00	10.8	18.90	17.27	14.23	11.1	18.65	17.02	13.98	10.8	18.44	16.81	13.77	10.6	18.44	16.81	13.77	10.6	19.46	17.83	14.79	11.6	19.46	17.83	14.79	11.6									
	kW	1.83	1.82	1.82	1.8	2.06	2.05	2.05	2.1	2.31	2.31	2.31	2.3	2.59	2.59	2.58	2.6	2.90	2.90	2.90	2.9	2.90	2.90	2.90	2.9	3.27	3.26	3.26	3.3	3.27	3.26	3.26	3.3									
	Amps	6.86	6.85	6.83	6.9	7.86	7.85	7.83	7.9	8.98	8.97	8.95	9.0	10.18	10.18	10.16	10.2	11.54	11.53	11.51	11.6	11.54	11.53	11.51	11.6	13.12	13.11	13.09	13.2	13.12	13.11	13.09	13.2									
Hi PR	260	261	263	267.7	300	302	303	307.7	342	343	345	349.7	388	389	390	394.9	436	437	439	443.6	436	437	439	443.6	488	489	491	495.7	488	489	491	495.7										
Lo PR	131	133	136	141.1	139	140	143	148.8	145	147	150	155.4	151	153	156	161.1	157	158	161	166.6	157	158	161	166.6	163	165	168	173.5	163	165	168	173.5										

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 5-7°F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI (TVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

IDB	Airflow	Outdoor Ambient Temperature												105°F												115°F																							
		65°F						75°F						85°F						95°F						105°F						115°F																	
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79												
80	MBh	27.3	27.7	28.6	29.8	27.1	27.5	28.3	29.6	26.4	26.8	27.6	28.8	25.2	25.5	26.4	27.6	23.6	24.0	24.9	26.1	22.3	22.7	23.5	24.7	27.3	27.7	28.6	29.8	27.1	27.5	28.3	29.6	26.4	26.8	27.6	28.8	25.2	25.5	26.4	27.6	23.6	24.0	24.9	26.1	22.3	22.7	23.5	24.7
	S/T	1.00	0.73	0.59	0.4	1.00	0.74	0.60	0.4	1.00	0.76	0.62	0.5	1.00	1.00	0.64	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.72	0.6	1.00	0.73	0.59	0.4	1.00	0.74	0.60	0.4	1.00	1.00	0.64	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.72	0.6				
	ΔT	25.91	24.28	21.24	18.1	25.86	24.23	21.19	18.0	26.09	24.46	21.42	18.3	25.85	24.22	21.18	18.0	25.63	24.00	20.96	17.8	26.65	25.02	21.98	18.8	25.91	24.28	21.24	18.1	25.86	24.23	21.19	18.0	26.09	24.46	21.42	18.3	25.85	24.22	21.18	18.0	25.63	24.00	20.96	17.8	26.65	25.02	21.98	18.8
	kW	1.78	1.78	1.78	1.8	2.01	2.01	2.0	2.0	2.27	2.27	2.26	2.3	2.55	2.55	2.54	2.6	2.86	2.86	2.86	2.9	3.22	3.22	3.22	3.2	1.78	1.78	1.78	1.8	2.01	2.01	2.0	2.0	2.27	2.27	2.26	2.3	2.55	2.55	2.54	2.6	2.86	2.86	2.86	2.9	3.22	3.22	3.22	3.2
	Amps	6.68	6.67	6.65	6.7	7.68	7.67	7.65	7.7	8.79	8.78	8.77	8.8	10.00	9.99	9.98	10.1	11.35	11.34	11.33	11.4	12.94	12.93	12.91	13.0	6.68	6.67	6.65	6.7	7.68	7.67	7.65	7.7	8.79	8.78	8.77	8.8	10.00	9.99	9.98	10.1	11.35	11.34	11.33	11.4	12.94	12.93	12.91	13.0
	Hi PR	252	254	255	259.8	293	294	295	299.9	335	336	337	341.8	380	381	383	387.0	428	430	431	435.8	480	482	483	487.8	252	254	255	259.8	293	294	295	299.9	335	336	337	341.8	380	381	383	387.0	428	430	431	435.8	480	482	483	487.8
Lo PR	124	126	129	134.1	132	133	136	141.8	138	140	143	148.4	144	146	149	154.1	150	151	154	159.6	156	158	161	166.5	124	126	129	134.1	132	133	136	141.8	138	140	143	148.4	144	146	149	154.1	150	151	154	159.6	156	158	161	166.5	
1050	MBh	28.0	28.4	29.2	30.5	27.7	28.1	29.0	30.2	27.0	27.4	28.2	29.5	25.8	26.2	27.0	28.3	24.3	24.7	25.5	26.7	22.9	23.3	24.1	25.4	28.0	28.4	29.2	30.5	27.7	28.1	29.0	30.2	27.0	27.4	28.2	29.5	25.8	26.2	27.0	28.3	24.3	24.7	25.5	26.7	22.9	23.3	24.1	25.4
	S/T	1.00	0.88	0.74	0.6	1.00	0.89	0.74	0.6	1.00	0.91	0.77	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.87	0.7	1.00	0.88	0.74	0.6	1.00	0.89	0.74	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.87	0.7				
	ΔT	23.82	22.19	19.15	16.0	23.77	22.14	19.10	16.0	24.00	22.37	19.33	16.2	23.76	22.13	19.09	15.9	23.54	21.91	18.87	15.7	24.56	22.93	19.89	16.7	23.82	22.19	19.15	16.0	23.77	22.14	19.10	16.0	24.00	22.37	19.33	16.2	23.76	22.13	19.09	15.9	23.54	21.91	18.87	15.7	24.56	22.93	19.89	16.7
	kW	1.81	1.81	1.80	1.8	2.04	2.04	2.03	2.1	2.30	2.29	2.29	2.3	2.57	2.57	2.57	2.6	2.88	2.88	2.88	2.9	3.25	3.25	3.24	3.3	1.81	1.81	1.80	1.8	2.04	2.04	2.03	2.1	2.30	2.29	2.29	2.3	2.57	2.57	2.57	2.6	2.88	2.88	2.88	2.9	3.25	3.25	3.24	3.3
	Amps	6.79	6.78	6.76	6.8	7.79	7.78	7.76	7.8	8.90	8.90	8.88	9.0	10.11	10.10	10.09	10.2	11.46	11.45	11.44	11.5	13.05	13.04	13.02	13.1	6.79	6.78	6.76	6.8	7.79	7.78	7.76	7.8	8.90	8.90	8.88	9.0	10.11	10.10	10.09	10.2	11.46	11.45	11.44	11.5	13.05	13.04	13.02	13.1
	Hi PR	257	258	260	264.1	297	298	300	304.2	339	340	342	346.1	384	385	387	391.3	433	434	436	440.1	485	486	488	492.1	257	258	260	264.1	297	298	300	304.2	339	340	342	346.1	384	385	387	391.3	433	434	436	440.1	485	486	488	492.1
Lo PR	128	129	132	137.6	135	137	140	145.2	142	143	147	151.9	147	149	152	157.5	153	155	158	163.0	160	161	165	169.9	128	129	132	137.6	135	137	140	145.2	142	143	147	151.9	147	149	152	157.5	153	155	158	163.0	160	161	165	169.9	
1300	MBh	28.9	29.3	30.1	31.4	28.6	29.0	29.9	31.1	27.9	28.3	29.1	30.4	26.7	27.1	27.9	29.2	25.2	25.6	26.4	27.6	23.8	24.2	25.0	26.3	28.9	29.3	30.1	31.4	28.6	29.0	29.9	31.1	27.9	28.3	29.1	30.4	26.7	27.1	27.9	29.2	25.2	25.6	26.4	27.6	23.8	24.2	25.0	26.3
	S/T	1.00	0.93	0.78	0.6	1.00	0.93	0.79	0.6	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.87	0.8	1.00	0.93	0.78	0.6	1.00	0.93	0.79	0.6	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.87	0.8
	ΔT	22.32	20.69	17.65	14.5	22.28	20.65	17.61	14.5	22.51	20.88	17.84	14.7	22.26	20.63	17.59	14.4	22.04	20.41	17.37	14.2	23.06	21.43	18.39	15.2	22.32	20.69	17.65	14.5	22.28	20.65	17.61	14.5	22.51	20.88	17.84	14.7	22.26	20.63	17.59	14.4	22.04	20.41	17.37	14.2	23.06	21.43	18.39	15.2
	kW	1.83	1.82	1.82	1.8	2.06	2.06	2.05	2.1	2.31	2.31	2.31	2.3	2.59	2.59	2.59	2.6	2.90	2.90	2.90	2.9	3.27	3.26	3.26	3.3	1.83	1.82	1.82	1.8	2.06	2.06	2.05	2.1	2.31	2.31	2.31	2.3	2.59	2.59	2.59	2.6	2.90	2.90	2.90	2.9	3.27	3.26	3.26	3.3
	Amps	6.86	6.86	6.84	6.9	7.86	7.86	7.84	7.9	8.98	8.97	8.96	9.0	10.19	10.18	10.17	10.2	11.54	11.53	11.52	11.6	13.12	13.12	13.10	13.2	6.86	6.86	6.84	6.9	7.86	7.86	7.84	7.9	8.98	8.97	8.96	9.0	10.19	10.18	10.17	10.2	11.54	11.53	11.52	11.6	13.12	13.12	13.10	13.2
	Hi PR	261	262	264	268.1	301	302	304	308.2	343	344	346	350.2	388	389	391	395.4	437	438	440	444.1	489	490	492	496.1	261	262	264	268.1	301	302	304	308.2	343	344	346	350.2	388	389	391	395.4	437	438	440	444.1	489	490	492	496.1
Lo PR	132	133	136	141.7	139	141	144	149.3	146	147	151	156.0	152	153	156	161.6	157	159	162	167.1	164	166	169	174.1	132	133	136	141.7	139	141	144	149.3	146	147	151	156.0	152	153	156	161.6	157	159	162	167.1	164	166	169	174.1	

800	MBh	27.8	28.2	29.0	30.3	27.6	28.0	28.8	30.0	26.8	27.2	28.1	29.3	25.6	26.0	26.8	28.1	24.1	24.5	25.3	26.6	22.7	23.1	23.9	25.2	27.8	28.2	29.0	30.3	27.6	28.0	28.8	30.0	26.8	27.2	28.1	29.3	25.6	26.0	26.8	28.1	24.1	24.5	25.3	26.6	22.7	23.1	23.9	25.2
	S/T	1.00	0.84	0.69	0.5	1.00	0.84	0.70	0.6	1.00	1.00	0.73	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.77	0.6	1.00	0.84	0.69	0.5	1.00	0.84	0.70	0.6	1.00	1.00	0.73	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.77	0.6
	ΔT	29.11	27.48	24.44	21.3	29.06	27.43	24.39	21.2	29.29	27.66	24.62	21.5	29.04	27.42	24.37	21.2	28.83	27.20	24.16	21.0	29.85	28.22	25.18	22.0	29.11	27.48	24.44	21.3	29.06	27.43	24.39	21.2	29.29	27.66	24.62	21.5	29.04	27.42	24.37	21.2	28.83	27.20	24.16	21.0	29.85	28.22	25.18	22.0
	kW	1.79	1.79	1.78	1.8	2.02	2.02	2.01	2.0	2.27	2.27	2.27	2.3	2.55	2.55	2.55	2.6	2.86	2.86	2.86	2.9	3.23	3.23	3.22	3.2	1.79	1.79	1.78	1.8	2.02	2.02	2.01	2.0	2.27	2.27	2.27	2.3	2.55	2.55	2.55	2.6	2.86	2.86	2.86	2.9	3.23	3.23	3.22	3.2
	Amps	6.69	6.69	6.67	6.7	7.69	7.69	7.67	7.7	8.81	8.80	8.79	8.9	10.02	10.01	10.00	10.1	11.37	11.36	11.35	11.4	12.96	12.95	12.93	13.0	6.69	6.69	6.67	6.7	7.69	7.69	7.67	7.7	8.81	8.80	8.79	8.9	10.02	10.01	10.00	10.1	11.37	11.36	11.35	11.4	12.96	12.95	12.93	13.0
	Hi PR	254	255	257	261.0	294	295	297	301.0	336	337	339	343.0	381	382	384	388.2	430	431	433	437.0	482	483	485	489.0	254	255																						

EXPANDED COOLING DATA — APHH53631 — HIGH STAGE

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												IDB												
		65				75				85					95				105				115			
		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	900	MBh	32.8	33.3	34.3	-	32.5	33.0	34.0	-	31.7	32.1	33.1	-	30.2	30.6	31.6	-	28.4	28.8	29.8	-	26.7	27.2	28.2	-
		S/T	0.55	0.47	0.33	-	0.56	0.48	0.34	-	0.59	0.51	0.36	-	0.61	0.53	0.38	-	1.00	0.55	0.41	-	1.00	0.60	0.46	-
		ΔT	19.70	17.98	14.78	-	19.65	17.93	14.73	-	19.89	18.18	14.97	-	19.63	17.92	14.72	-	19.40	17.69	14.49	-	20.48	18.76	15.56	-
		kW	2.17	2.17	2.16	-	2.44	2.44	2.44	-	2.75	2.74	2.74	-	3.08	3.08	3.07	-	3.45	3.44	3.44	-	3.88	3.88	3.87	-
		Amps	8.15	8.14	8.12	-	9.33	9.33	9.30	-	10.66	10.65	10.63	-	12.10	12.09	12.07	-	13.70	13.69	13.67	-	15.58	15.57	15.55	-
		Hi PR	255	256	258	-	295	296	298	-	338	339	341	-	383	384	386	-	433	434	436	-	485	486	488	-
	Lo PR	123	125	128	-	131	132	135	-	137	139	142	-	143	145	148	-	149	150	153	-	155	157	160	-	
	MBh	33.6	34.1	35.1	-	33.3	33.8	34.8	-	32.4	32.9	33.9	-	30.9	31.4	32.4	-	29.1	29.6	30.6	-	27.5	27.9	28.9	-	
	S/T	0.70	0.62	0.48	-	0.71	0.63	0.49	-	0.73	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.70	0.56	-	1.00	0.75	0.61	-	
	ΔT	17.50	15.79	12.59	-	17.46	15.74	12.54	-	17.70	15.98	12.78	-	17.44	15.73	12.52	-	17.21	15.50	12.30	-	18.28	16.57	13.37	-	
	kW	2.20	2.20	2.19	-	2.47	2.47	2.47	-	2.78	2.77	2.77	-	3.11	3.11	3.10	-	3.48	3.47	3.47	-	3.91	3.91	3.90	-	
	Amps	8.28	8.27	8.25	-	9.47	9.46	9.44	-	10.79	10.78	10.76	-	12.23	12.22	12.20	-	13.83	13.82	13.80	-	15.71	15.70	15.68	-	
Hi PR	259	260	262	-	300	301	302	-	342	343	345	-	388	389	391	-	437	438	440	-	490	491	493	-		
Lo PR	127	128	131	-	134	136	139	-	141	142	146	-	146	148	151	-	152	154	157	-	159	160	164	-		
MBh	34.4	34.9	35.9	-	34.1	34.6	35.6	-	33.3	33.7	34.7	-	31.8	32.2	33.2	-	29.9	30.4	31.4	-	28.3	28.8	29.7	-		
S/T	0.75	0.67	0.52	-	0.75	0.67	0.53	-	1.00	0.70	0.56	-	1.00	0.72	0.58	-	1.00	0.74	0.60	-	1.00	1.00	0.65	-		
ΔT	16.24	14.53	11.33	-	16.20	14.48	11.28	-	16.44	14.72	11.52	-	16.18	14.46	11.26	-	15.95	14.24	11.03	-	17.02	15.31	12.11	-		
kW	2.22	2.21	2.21	-	2.49	2.49	2.48	-	2.79	2.79	2.79	-	3.12	3.12	3.12	-	3.49	3.49	3.49	-	3.93	3.92	3.92	-		
Amps	8.35	8.34	8.32	-	9.54	9.53	9.51	-	10.87	10.86	10.84	-	12.30	12.29	12.27	-	13.91	13.90	13.88	-	15.79	15.78	15.76	-		
Hi PR	262	263	265	-	303	304	306	-	345	346	348	-	391	392	394	-	440	441	443	-	493	494	496	-		
Lo PR	130	131	134	-	137	139	142	-	144	146	149	-	150	151	154	-	155	157	160	-	162	164	167	-		
75	900	MBh	32.9	33.3	34.3	35.8	32.6	33.0	34.0	35.5	31.7	32.2	33.1	34.7	30.2	30.7	31.7	33.2	28.4	28.8	29.8	31.4	26.7	27.2	28.2	29.7
		S/T	0.69	0.61	0.47	0.3	0.70	0.61	0.47	0.3	1.00	0.64	0.50	0.3	1.00	0.66	0.52	0.4	1.00	0.69	0.54	0.4	1.00	1.00	0.60	0.4
		ΔT	23.47	21.75	18.55	15.2	23.42	21.70	18.50	15.2	23.66	21.95	18.74	15.4	23.40	21.69	18.49	15.2	23.17	21.46	18.26	14.9	24.25	22.53	19.33	16.0
		kW	2.17	2.16	2.16	2.2	2.44	2.44	2.43	2.5	2.75	2.74	2.74	2.8	3.08	3.07	3.07	3.1	3.44	3.44	3.44	3.5	3.88	3.88	3.87	3.9
		Amps	8.14	8.13	8.11	8.2	9.33	9.32	9.30	9.4	10.65	10.64	10.62	10.7	12.09	12.08	12.06	12.2	13.69	13.68	13.66	13.8	15.57	15.57	15.55	15.6
		Hi PR	255	256	258	262.3	295	297	298	302.8	338	339	341	345.3	384	385	387	391.0	433	434	436	440.3	486	487	488	492.9
	Lo PR	123	125	128	133.2	131	132	136	140.8	137	139	142	147.5	143	145	148	153.1	149	150	153	158.6	155	157	160	165.5	
	MBh	33.6	34.1	35.1	36.6	33.3	33.8	34.8	36.3	32.5	32.9	33.9	35.4	31.0	31.4	32.4	33.9	35.1	29.1	29.6	30.6	32.1	27.5	28.0	28.9	30.5
	S/T	0.84	0.76	0.61	0.5	1.00	0.76	0.62	0.5	1.00	0.79	0.65	0.5	1.00	0.81	0.67	0.5	1.00	0.83	0.69	0.5	1.00	1.00	0.75	0.6	
	ΔT	21.27	19.56	16.36	13.0	21.23	19.51	16.31	13.0	21.47	19.75	16.55	13.2	21.21	19.50	16.29	13.0	20.98	19.27	16.07	12.7	22.05	20.34	17.14	13.8	
	kW	2.20	2.19	2.19	2.2	2.47	2.47	2.46	2.5	2.78	2.77	2.77	2.8	3.11	3.10	3.10	3.1	3.47	3.47	3.47	3.5	3.91	3.91	3.90	3.9	
	Amps	8.27	8.26	8.24	8.3	9.46	9.45	9.43	9.5	10.78	10.77	10.75	10.8	12.22	12.21	12.19	12.3	13.82	13.81	13.79	13.9	15.71	15.70	15.68	15.8	
Hi PR	259	260	262	266.6	300	301	303	307.2	342	343	345	349.6	388	389	391	395.4	437	438	440	444.6	490	491	493	497.2		
Lo PR	127	128	131	136.7	134	136	139	144.2	141	142	146	150.9	146	148	151	156.5	152	154	157	162.0	159	160	164	168.9		
MBh	34.4	34.9	35.9	37.4	34.1	34.6	35.6	37.1	33.3	33.7	34.7	36.2	31.8	32.3	33.2	34.8	30.0	30.4	31.4	32.9	28.3	28.8	29.8	31.3		
S/T	0.88	0.80	0.66	0.5	1.00	0.81	0.67	0.5	1.00	0.83	0.69	0.5	1.00	0.86	0.71	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.79	0.6		
ΔT	20.01	18.30	15.10	11.8	19.97	18.25	15.05	11.7	20.21	18.49	15.29	12.0	19.95	18.23	15.03	11.7	19.72	18.01	14.80	11.5	20.79	19.08	15.88	12.6		
kW	2.21	2.21	2.21	2.2	2.49	2.49	2.48	2.5	2.79	2.79	2.79	2.8	3.12	3.12	3.12	3.1	3.49	3.49	3.48	3.5	3.92	3.92	3.92	3.9		
Amps	8.34	8.33	8.31	8.4	9.53	9.52	9.50	9.6	10.86	10.85	10.83	10.9	12.29	12.28	12.26	12.4	13.90	13.89	13.87	14.0	15.78	15.77	15.75	15.8		
Hi PR	262	264	265	269.8	303	304	306	310.3	345	347	348	352.8	391	392	394	398.5	440	442	443	447.8	493	494	496	500.4		
Lo PR	130	131	134	139.8	137	139	142	147.4	144	146	149	154.0	150	151	154	159.6	155	157	160	165.2	162	164	167	172.1		

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 9-12 °F @ the liquid access fitting connection AHR1 95 test conditions. Design Superheat 7-11°F @ the compressor suction access fitting connection.
 Shaded area reflects AHR1 (TVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

EXPANDED COOLING DATA — APHH53631 — HIGH STAGE (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE															105															115																									
		65					75					85					95					105					115																														
		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																										
ENTERING INDOOR WET BULB TEMPERATURE																																																									
80	MBh	33.0	33.5	34.5	36.0	32.7	33.2	34.2	35.7	31.9	32.3	33.3	34.8	30.4	30.8	31.8	33.3	28.6	29.0	30.0	31.5	26.9	27.4	28.3	29.9	33.0	33.5	34.5	36.0	32.7	33.2	34.2	35.7	31.9	32.3	33.3	34.8	30.4	30.8	31.8	33.3	28.6	29.0	30.0	31.5	26.9	27.4	28.3	29.9								
	S/T	1.00	0.74	0.60	0.4	1.00	0.75	0.60	0.5	1.00	0.77	0.63	0.5	1.00	0.79	0.65	0.5	1.00	1.00	1.00	0.82	0.7	1.00	1.00	0.88	0.7	1.00	0.74	0.60	0.4	1.00	0.75	0.60	0.5	1.00	0.77	0.63	0.5	1.00	1.00	1.00	0.82	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.88	0.7						
	ΔT	27.26	25.55	22.35	19.0	27.21	25.50	22.30	19.0	27.46	25.74	22.54	19.2	27.20	25.48	22.28	19.0	26.97	25.25	22.05	18.7	26.97	25.25	22.05	18.7	27.26	25.55	22.35	19.0	27.46	25.74	22.54	19.2	27.20	25.48	22.28	19.0	26.97	25.25	22.05	18.7	26.97	25.25	22.05	18.7	26.97	25.25	22.05	18.7								
	kW	2.17	2.17	2.16	2.2	2.44	2.44	2.43	2.5	2.75	2.74	2.74	2.8	3.08	3.07	3.07	3.1	3.45	3.44	3.44	3.5	3.45	3.44	3.44	3.5	2.17	2.17	2.16	2.2	2.44	2.44	2.43	2.5	2.75	2.74	2.74	2.8	3.08	3.07	3.07	3.1	3.45	3.44	3.44	3.5	3.45	3.44	3.44	3.5	3.45	3.44	3.44	3.5				
	Amps	8.14	8.14	8.14	8.2	9.33	9.32	9.30	9.4	10.66	10.65	10.63	10.7	12.10	12.09	12.07	12.2	13.70	13.69	13.67	13.8	13.70	13.69	13.67	13.8	8.14	8.14	8.14	8.2	9.33	9.32	9.30	9.4	10.66	10.65	10.63	10.7	12.10	12.09	12.07	12.2	13.70	13.69	13.67	13.8	13.70	13.69	13.67	13.8	13.70	13.69	13.67	13.8	13.70	13.69	13.67	13.8
	Hi PR	255	256	258	262.8	296	297	299	303.3	338	339	341	345.8	384	385	387	391.5	433	434	436	440.8	486	487	489	493.4	255	256	258	262.8	296	297	299	303.3	338	339	341	345.8	384	385	387	391.5	433	434	436	440.8	486	487	489	493.4								
	Lo PR	124	125	128	133.8	131	133	136	141.4	138	140	143	148.0	144	145	148	153.7	149	151	154	159.2	156	158	161	166.1	124	125	128	133.8	131	133	136	141.4	138	140	143	148.0	144	145	148	153.7	149	151	154	159.2	156	158	161	166.1								
	MBh	33.8	34.3	35.3	36.8	33.5	34.0	35.0	36.5	32.6	33.1	34.1	35.6	31.1	31.6	32.6	34.1	29.3	29.8	30.8	32.3	27.7	28.1	29.1	30.6	33.8	34.3	35.3	36.8	33.5	34.0	35.0	36.5	32.6	33.1	34.1	35.6	31.1	31.6	32.6	34.1	29.3	29.8	30.8	32.3	27.7	28.1	29.1	30.6								
	S/T	1.00	0.89	0.75	0.6	1.00	0.90	0.75	0.6	1.00	0.92	0.78	0.6	1.00	0.94	0.80	0.6	1.00	1.00	1.00	0.82	0.7	1.00	1.00	0.88	0.7	1.00	0.89	0.75	0.6	1.00	0.90	0.75	0.6	1.00	0.92	0.78	0.6	1.00	1.00	1.00	0.82	0.7	1.00	1.00	1.00	0.82	0.7	1.00	1.00	0.88	0.7					
	ΔT	25.07	23.36	20.15	16.8	25.02	23.31	20.11	16.8	25.26	23.55	20.35	17.0	25.01	23.29	20.09	16.8	24.78	23.06	19.86	16.5	24.78	23.06	19.86	16.5	25.07	23.36	20.15	16.8	25.02	23.31	20.11	16.8	25.26	23.55	20.35	17.0	25.01	23.29	20.09	16.8	24.78	23.06	19.86	16.5	24.78	23.06	19.86	16.5	24.78	23.06	19.86	16.5				
kW	2.20	2.20	2.19	2.2	2.47	2.47	2.46	2.5	2.78	2.77	2.77	2.8	3.11	3.10	3.10	3.1	3.48	3.47	3.47	3.5	3.48	3.47	3.47	3.5	2.20	2.20	2.19	2.2	2.47	2.47	2.46	2.5	2.78	2.77	2.77	2.8	3.11	3.10	3.10	3.1	3.48	3.47	3.47	3.5	3.48	3.47	3.47	3.5	3.48	3.47	3.47	3.5					
Amps	8.28	8.27	8.25	8.3	9.46	9.45	9.43	9.5	10.79	10.78	10.76	10.9	12.23	12.22	12.20	12.3	13.83	13.82	13.80	13.9	15.71	15.70	15.68	15.8	8.28	8.27	8.25	8.3	9.46	9.45	9.43	9.5	10.79	10.78	10.76	10.9	12.23	12.22	12.20	12.3	13.83	13.82	13.80	13.9	15.71	15.70	15.68	15.8									
Hi PR	260	261	263	267.1	300	301	303	307.6	343	344	346	350.1	388	390	391	395.8	438	439	441	445.1	490	491	493	497.7	260	261	263	267.1	300	301	303	307.6	343	344	346	350.1	388	390	391	395.8	438	439	441	445.1	490	491	493	497.7									
Lo PR	127	129	132	137.2	135	136	139	144.8	141	143	146	151.4	147	149	152	157.1	153	154	157	162.6	159	161	164	169.5	127	129	132	137.2	135	136	139	144.8	141	143	146	151.4	147	149	152	157.1	153	154	157	162.6	159	161	164	169.5									
MBh	34.6	35.1	36.1	37.6	34.3	34.8	35.8	37.3	33.4	33.9	34.9	36.4	32.0	32.4	33.4	34.9	30.1	30.6	31.6	33.1	28.5	28.9	29.9	31.4	34.6	35.1	36.1	37.6	34.3	34.8	35.8	37.3	33.4	33.9	34.9	36.4	32.0	32.4	33.4	34.9	30.1	30.6	31.6	33.1	28.5	28.9	29.9	31.4									
S/T	1.00	0.93	0.79	0.6	1.00	0.94	0.80	0.6	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	1.00	0.87	0.7	1.00	1.00	0.88	0.7	1.00	0.93	0.79	0.6	1.00	0.94	0.80	0.6	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	1.00	0.87	0.7	1.00	1.00	0.88	0.7							
ΔT	23.81	22.09	18.89	15.6	23.76	22.05	18.85	15.5	24.00	22.29	19.09	15.8	23.74	22.03	18.83	15.5	23.52	21.80	18.60	15.3	24.59	22.87	19.67	16.4	23.81	22.09	18.89	15.6	23.76	22.05	18.85	15.5	24.00	22.29	19.09	15.8	23.74	22.03	18.83	15.5	23.52	21.80	18.60	15.3	24.59	22.87	19.67	16.4									
kW	2.22	2.21	2.21	2.2	2.49	2.49	2.48	2.5	2.79	2.79	2.79	2.8	3.12	3.12	3.12	3.1	3.49	3.49	3.49	3.5	3.49	3.49	3.49	3.5	2.22	2.21	2.21	2.2	2.49	2.49	2.48	2.5	2.79	2.79	2.79	2.8	3.12	3.12	3.12	3.1	3.49	3.49	3.49	3.5	3.49	3.49	3.49	3.5	3.49	3.49	3.49	3.5					
Amps	8.35	8.34	8.32	8.4	9.54	9.53	9.51	9.6	10.86	10.86	10.84	10.9	12.30	12.29	12.27	12.4	13.90	13.90	13.87	14.0	15.79	15.78	15.76	15.8	8.35	8.34	8.32	8.4	9.54	9.53	9.51	9.6	10.86	10.86	10.84	10.9	12.30	12.29	12.27	12.4	13.90	13.90	13.87	14.0	15.79	15.78	15.76	15.8									
Hi PR	263	264	266	270.3	303	305	306	310.8	346	347	349	353.3	392	393	395	399.0	441	442	444	448.3	493	495	496	500.9	263	264	266	270.3	303	305	306	310.8	346	347	349	353.3	392	393	395	399.0	441	442	444	448.3	493	495	496	500.9									
Lo PR	130	132	135	140.3	138	139	143	147.9	145	146	149	154.6	150	152	155	160.2	156	157	160	165.7	163	164	167	172.6	130	132	135	140.3	138	139	143	147.9	145	146	149	154.6	150	152	155	160.2	156	157	160	165.7	163	164	167	172.6									
85	MBh	33.6	34.1	35.0	36.6	33.3	33.8	34.7	36.3	32.4	32.9	33.9	35.4	30.9	31.4	32.4	33.9	29.1	29.6	30.6	32.1	27.4	27.9	28.9	30.4	33.6	34.1	35.0	36.6	33.3	33.8	34.7	36.3	32.4	32.9	33.9	35.4	30.9	31.4	32.4	33.9	29.1	29.6	30.6	32.1	27.4	27.9	28.9	30.4								
	S/T	1.00	0.85	0.70	0.6	1.00	0.85	0.71	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	1.00	0.78	0.6	1.00	1.00	0.7	1.00	0.85	0.70	0.6	1.00	0.85	0.71	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	1.00	0.78	0.6	1.00	1.00	0.7								
	ΔT	30.63	28.91	25.71	22.4	30.58	28.87	25.67	22.3	30.82	29.11	25.91	22.6	30.56	28.85	25.65	22.3	30.33	28.62	25.42	22.1	31.41	29.69	26.49	23.2	30.63	28.91	25.71	22.4	30.58	28.87	25.67	22.3	30.82	29.11	25.91	22.6	30.56	28.85	25.65	22.3	30.33	28.62	25.42	22.1	31.41	29.69	26.49	23.2								
	kW	2.17	2.17	2.17	2.2	2.45	2.44	2.44	2.5	2.75	2.75	2.75	2.8	3.08	3.08	3.08	3.1	3.45	3.45	3.44	3.5	3.45	3.44	3.44	3.5	2.17	2.17	2.17	2.2	2.45	2.44	2.44	2.5	2.75	2.75	2.75	2.8	3.08	3.08	3.08	3.1	3.45	3.45	3.44	3.5	3.45	3.44	3.44	3.5								
	Amps	8.17	8.16	8.14	8.2	9.36	9.35	9.33	9.4	10.68	10.67	10.65	10.7	12.12	12.11	12.09	12.2	13.72	13.71	13.69	13.8	15.60	15.59	15.57	15.7	8.17	8.16	8.14	8.2	9.36	9.35	9.33	9.4	10.68	10.67	10.65	10.7	12.12	12.11	12.09																	

EXPANDED COOLING DATA — APHH53631 – LOW STAGE

IDB		OUTDOOR AMBIENT TEMPERATURE																																			
		65						75						85						95						105						115					
		AIRFLOW	59	63	67	71	75	59	63	67	71	75	59	63	67	71	85	59	63	67	71	95	59	63	67	71	105	59	63	67	71	115					
		ENTERING INDOOR WET BULB TEMPERATURE																																			
70	600	MBh	23.6	23.9	24.6	-	23.4	23.7	24.4	-	22.7	23.1	23.8	-	21.7	22.0	22.7	-	20.4	20.7	21.4	-	19.2	19.5	20.2	-	20.4	20.7	21.4	-	19.2	19.5	20.2	-			
		S/T	0.56	0.47	0.33	-	0.56	0.48	0.33	-	0.59	0.51	0.36	-	1.00	0.53	0.38	-	1.00	0.55	0.41	-	1.00	0.61	0.46	-	1.00	0.55	0.41	-	1.00	0.61	0.46	-			
		ΔT	19.15	17.50	14.41	-	19.11	17.45	14.36	-	19.34	17.68	14.59	-	19.09	17.43	14.34	-	18.87	17.21	14.12	-	19.90	18.25	15.16	-	18.87	17.21	14.12	-	19.90	18.25	15.16	-			
		kW	1.36	1.36	1.36	-	1.53	1.53	1.53	-	1.73	1.73	1.72	-	1.93	1.93	1.93	-	2.17	2.17	2.16	-	2.44	2.44	2.43	-	2.17	2.17	2.16	-	2.44	2.44	2.43	-			
		Amps	5.12	5.11	5.10	-	5.87	5.86	5.85	-	6.70	6.69	6.68	-	7.60	7.60	7.58	-	8.61	8.61	8.59	-	9.80	9.79	9.78	-	8.61	8.61	8.59	-	9.80	9.79	9.78	-			
		Hi PR	243	244	246	-	282	283	285	-	323	324	325	-	366	367	369	-	413	414	416	-	464	465	466	-	413	414	416	-	464	465	466	-			
	Lo PR	126	128	131	-	134	136	139	-	141	143	146	-	147	148	152	-	153	154	157	-	160	161	164	-	153	154	157	-	160	161	164	-				
70	800	MBh	24.2	24.5	25.2	-	23.9	24.3	25.0	-	23.3	23.7	24.4	-	22.3	22.6	23.3	-	20.9	21.3	22.0	-	19.7	20.1	20.8	-	20.9	21.3	22.0	-	19.7	20.1	20.8	-			
		S/T	0.72	0.64	0.49	-	0.73	0.65	0.50	-	1.00	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.72	0.57	-	1.00	1.00	0.63	-	1.00	0.72	0.57	-	1.00	1.00	0.63	-			
		ΔT	16.89	15.24	12.15	-	16.85	15.19	12.10	-	17.08	15.42	12.34	-	16.83	15.18	12.09	-	16.61	14.95	11.86	-	17.64	15.99	12.90	-	16.61	14.95	11.86	-	17.64	15.99	12.90	-			
		kW	1.38	1.38	1.38	-	1.55	1.55	1.55	-	1.75	1.75	1.74	-	1.95	1.95	1.95	-	2.19	2.19	2.18	-	2.46	2.46	2.45	-	2.19	2.19	2.18	-	2.46	2.46	2.45	-			
		Amps	5.21	5.20	5.19	-	5.95	5.95	5.93	-	6.79	6.78	6.77	-	7.69	7.69	7.67	-	8.70	8.69	8.68	-	9.88	9.88	9.86	-	8.70	8.69	8.68	-	9.88	9.88	9.86	-			
		Hi PR	248	249	250	-	286	287	289	-	327	328	330	-	371	372	373	-	418	419	421	-	468	469	471	-	418	419	421	-	468	469	471	-			
	Lo PR	130	132	135	-	138	140	143	-	145	146	150	-	151	152	155	-	156	158	161	-	163	165	168	-	156	158	161	-	163	165	168	-				
70	1000	MBh	25.0	25.3	26.0	-	24.8	25.1	25.8	-	24.2	24.5	25.2	-	23.1	23.4	24.1	-	21.8	22.1	22.8	-	20.6	20.9	21.6	-	21.8	22.1	22.8	-	20.6	20.9	21.6	-			
		S/T	0.77	0.69	0.54	-	0.78	0.69	0.55	-	1.00	0.72	0.57	-	1.00	0.74	0.60	-	1.00	0.77	0.62	-	1.00	1.00	0.67	-	1.00	0.77	0.62	-	1.00	1.00	0.67	-			
		ΔT	15.30	13.65	10.56	-	15.26	13.60	10.52	-	15.49	13.84	10.75	-	15.24	13.59	10.50	-	15.02	13.37	10.28	-	16.06	14.40	11.31	-	15.02	13.37	10.28	-	16.06	14.40	11.31	-			
		kW	1.40	1.40	1.39	-	1.57	1.57	1.56	-	1.76	1.76	1.76	-	1.97	1.97	1.96	-	2.20	2.20	2.20	-	2.47	2.47	2.47	-	2.20	2.20	2.20	-	2.47	2.47	2.47	-			
		Amps	5.27	5.26	5.25	-	6.01	6.01	6.00	-	6.85	6.84	6.83	-	7.75	7.75	7.73	-	8.76	8.76	8.74	-	9.94	9.94	9.93	-	8.76	8.76	8.74	-	9.94	9.94	9.93	-			
		Hi PR	252	253	255	-	290	292	293	-	331	332	334	-	375	376	378	-	422	423	425	-	472	473	475	-	422	423	425	-	472	473	475	-			
	Lo PR	135	136	139	-	142	144	147	-	149	151	154	-	155	157	160	-	161	162	166	-	168	169	173	-	161	162	166	-	168	169	173	-				
75	600	MBh	23.6	23.9	24.6	25.7	23.4	23.7	24.4	25.5	22.8	23.1	23.8	24.9	21.7	22.0	22.7	23.8	20.4	20.7	21.4	22.5	19.2	19.5	20.2	21.3	20.4	20.7	21.4	22.5	19.2	19.5	20.2	21.3			
		S/T	0.70	0.61	0.47	0.3	1.00	0.62	0.47	0.3	1.00	0.65	0.50	0.3	1.00	0.67	0.52	0.4	1.00	0.69	0.54	0.4	1.00	1.00	0.60	0.4	1.00	0.69	0.54	0.4	1.00	1.00	0.60	0.4			
		ΔT	22.79	21.13	18.04	14.8	22.74	21.09	18.00	14.8	22.98	21.32	18.23	15.0	22.73	21.07	17.98	14.8	22.51	20.85	17.76	14.6	23.54	21.89	18.80	15.6	22.51	20.85	17.76	14.6	23.54	21.89	18.80	15.6			
		kW	1.36	1.36	1.36	1.4	1.53	1.53	1.53	1.5	1.73	1.72	1.72	1.7	1.93	1.93	1.93	1.9	2.17	2.16	2.16	2.2	2.44	2.44	2.43	2.4	2.17	2.16	2.16	2.2	2.44	2.44	2.43	2.4			
		Amps	5.11	5.11	5.09	5.2	5.86	5.86	5.84	5.9	6.70	6.69	6.68	6.7	7.60	7.59	7.58	7.6	8.61	8.60	8.59	8.6	9.79	9.79	9.77	9.8	8.61	8.60	8.59	8.6	9.79	9.79	9.77	9.8			
		Hi PR	243	244	246	250.5	282	283	285	289.3	323	324	326	329.8	366	368	369	373.6	414	415	416	420.7	464	465	467	471.0	414	415	416	420.7	464	465	467	471.0			
	Lo PR	126	128	131	136.8	134	136	139	144.6	141	143	146	151.4	147	148	152	157.2	153	154	157	162.9	160	161	165	170.0	153	154	157	162.9	160	161	165	170.0				
75	800	MBh	24.2	24.5	25.2	26.3	24.0	24.3	25.0	26.1	23.3	23.7	24.4	25.5	22.3	22.6	23.3	24.4	21.0	21.3	22.0	23.1	19.8	20.1	20.8	21.9	21.0	21.3	22.0	23.1	19.8	20.1	20.8	21.9			
		S/T	0.86	0.78	0.63	0.5	1.00	0.78	0.64	0.5	1.00	0.81	0.67	0.5	1.00	0.83	0.69	0.5	1.00	1.00	0.71	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.71	0.6	1.00	1.00	0.77	0.6			
		ΔT	20.53	18.88	15.79	12.6	20.48	18.83	15.74	12.5	20.72	19.06	15.97	12.8	20.47	18.81	15.72	12.5	20.25	18.59	15.50	12.3	21.28	19.63	16.54	13.3	20.25	18.59	15.50	12.3	21.28	19.63	16.54	13.3			
		kW	1.38	1.38	1.38	1.4	1.55	1.55	1.55	1.6	1.75	1.74	1.74	1.8	1.95	1.95	1.95	2.0	2.19	2.18	2.18	2.2	2.46	2.46	2.45	2.5	2.19	2.18	2.18	2.2	2.46	2.46	2.45	2.5			
		Amps	5.20	5.20	5.18	5.2	5.95	5.94	5.93	6.0	6.78	6.78	6.76	6.8	7.69	7.68	7.67	7.7	8.70	8.69	8.68	8.7	9.88	9.87	9.86	9.9	8.70	8.69	8.68	8.7	9.88	9.87	9.86	9.9			
		Hi PR	248	249	251	254.9	287	288	289	293.7	327	328	330	334.2	371	372	374	378.0	418	419	421	425.1	468	469	471	475.4	418	419	421	425.1	468	469	471	475.4			
	Lo PR	130	132	135	140.5	138	140	143	148.3	145	146	150	155.1	151	152	155	160.9	156	158	161	166.6	163	165	168	173.7	156	158	161	166.6	163	165	168	173.7				
75	1000	MBh	25.0	25.3	26.1	27.1	24.8	25.1	25.8	26.9	24.2	24.5	25.2	26.3	23.1	23.4	24.1	25.2	21.8	22.1	22.8	23.9	20.6	20.9	21.6	22.7	21.8	22.1	22.8	23.9	20.6	20.9	21.6	22.7			
		S/T	1.00	0.83	0.68	0.5	1.00	0.83	0.69	0.5	1.00	0.86	0.71	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.76	0.6	1.00	1.00	0.81	0.7			
		ΔT	18.94	17.29	14.20	11.0	18.90	17.24	14.15	11.0	19.13	17.48	14.39	11.2	18.88	17.23	14.14	10.9	18.66	17.00	13.92	10.7	19.70	18.04	14.95	11.8	18.66	17.00	13.92	10.7	19.70	18.04	14.95	11.8			
		kW	1.40	1.39	1.39	1.4	1.57	1.57	1.56	1.6	1.76	1.76	1.76	1.8	1.97	1.97	1.96	2.0	2.20	2.20	2.20	2.2	2.47	2.47	2.47	2.5	2.20	2.20	2.20	2.2	2.47	2.47	2.47	2.5			
		Amps	5.26	5.26	5.24	5.3	6.01	6.00	5.99	6.0	6.84	6.84	6.83	6.9	7.75	7.74	7.73	7.8	8.76	8.75	8.74	8.8	9.94	9.93	9.92	10.0	8.76	8.75	8.74	8.8	9.94	9.93	9.92	10.0			
		Hi PR	252	253	255	259.0	291	292	293	297.8	331	332	334	338.3	375	376	378	382.1	422	423	425	429.2	472	473	475	479.5	422	4									

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE															105															115														
		65					75					85					95					105					115																			
		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	23.7	24.1	24.8	25.9	23.5	23.8	24.6	25.6	22.9	23.2	23.9	25.0	21.8	22.1	22.9	23.9	20.5	20.8	21.6	22.6	19.3	19.6	20.4	21.4	20.5	20.8	21.6	22.6	19.3	19.6	20.4	21.4	20.5	20.8	21.6	22.6	19.3	19.6	20.4	21.4					
	S/T	1.00	0.75	0.60	0.4	1.00	0.76	0.61	0.5	1.00	0.78	0.64	0.5	1.00	1.00	0.66	0.5	1.00	1.00	0.68	0.5	1.00	1.00	0.74	0.6	1.00	1.00	0.68	0.5	1.00	1.00	0.74	0.6	1.00	1.00	0.68	0.5	1.00	1.00	0.74	0.6					
	ΔT	26.45	24.80	21.71	18.5	26.41	24.75	21.66	18.5	1.73	1.73	1.72	1.7	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	26.17	24.51	21.42	18.2	26.17	24.51	21.42	18.2	26.17	24.51	21.42	18.2	26.17	24.51	21.42	18.2					
	kW	1.36	1.36	1.36	1.4	1.53	1.53	1.53	1.5	1.73	1.73	1.72	1.7	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	2.44	2.44	2.44	2.2	2.44	2.44	2.44	2.2	2.44	2.44	2.44	2.2	2.44	2.44	2.44	2.2					
	Amps	5.12	5.11	5.10	5.2	5.86	5.86	5.85	5.9	6.70	6.69	6.68	6.7	7.60	7.60	7.58	7.6	8.61	8.61	8.59	8.6	9.79	9.79	9.78	9.8	8.61	8.61	8.59	8.6	8.61	8.61	8.59	8.6	8.61	8.61	8.59	8.6	8.61	8.61	8.59	8.6					
	Hi PR	244	245	247	251.0	283	284	285	289.7	323	324	326	330.3	367	368	370	374.0	414	415	417	421.1	464	465	467	471.4	367	368	370	374.0	414	415	417	421.1	367	368	370	374.0	414	415	417	421.1					
Lo PR	127	129	132	137.4	135	136	140	145.2	142	143	147	152.0	147	149	152	157.8	153	155	158	163.4	160	162	165	170.5	147	149	152	157.8	153	155	158	163.4	147	149	152	157.8	153	155	158	163.4						
800	MBh	24.3	24.6	25.3	26.4	24.1	24.4	25.1	26.2	23.5	23.8	24.5	25.6	22.4	22.7	23.4	24.5	21.1	21.4	22.1	23.2	19.9	20.2	20.9	22.0	21.1	21.4	22.1	23.2	19.9	20.2	20.9	22.0	21.1	21.4	22.1	23.2	19.9	20.2	20.9	22.0					
	S/T	1.00	0.91	0.77	0.6	1.00	0.92	0.77	0.6	1.00	1.00	0.80	0.6	1.00	1.00	0.82	0.7	1.00	1.00	0.85	0.7	1.00	1.00	1.00	0.7	1.00	1.00	0.85	0.7	1.00	1.00	1.00	0.7	1.00	1.00	0.85	0.7	1.00	1.00	1.00	0.7					
	ΔT	24.19	22.54	19.45	16.2	24.15	22.49	19.40	16.2	24.38	22.73	19.64	16.4	24.13	22.48	19.39	16.2	23.91	22.26	19.17	16.0	24.95	23.29	20.20	17.0	23.91	22.26	19.17	16.0	24.95	23.29	20.20	17.0	23.91	22.26	19.17	16.0	24.95	23.29	20.20	17.0					
	kW	1.38	1.38	1.38	1.4	1.55	1.55	1.55	1.6	1.75	1.75	1.74	1.8	1.95	1.95	1.95	2.0	2.19	2.18	2.18	2.2	2.46	2.46	2.45	2.5	2.19	2.18	2.18	2.2	2.46	2.46	2.45	2.5	2.19	2.18	2.18	2.2	2.46	2.46	2.45	2.5					
	Amps	5.21	5.20	5.19	5.2	5.95	5.95	5.93	6.0	6.79	6.78	6.77	6.8	7.69	7.68	7.67	7.7	8.70	8.69	8.68	8.7	9.88	9.88	9.86	9.9	7.69	7.68	7.67	7.7	8.70	8.69	8.68	8.7	7.69	7.68	7.67	7.7	8.70	8.69	8.68	8.7					
	Hi PR	248	249	251	255.4	287	288	290	294.1	328	329	330	334.7	371	372	374	378.4	418	420	421	425.5	469	470	472	475.8	371	372	374	378.4	418	420	421	425.5	371	372	374	378.4	418	420	421	425.5					
Lo PR	131	132	136	141.0	139	140	143	148.9	145	147	150	155.7	151	153	156	161.5	157	158	162	167.1	164	166	169	174.2	145	147	150	155.7	151	153	156	161.5	145	147	150	155.7	151	153	156	161.5						
1000	MBh	25.1	25.5	26.2	27.3	24.9	25.2	26.0	27.0	24.3	24.6	25.3	26.4	23.2	23.6	24.3	25.4	21.9	22.2	23.0	24.0	20.7	21.1	21.8	22.9	21.9	22.2	23.0	24.0	20.7	21.1	21.8	22.9	21.9	22.2	23.0	24.0	20.7	21.1	21.8	22.9					
	S/T	1.00	0.96	0.82	0.7	1.00	0.97	0.82	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.89	0.7	1.00	1.00	1.00	0.8	1.00	1.00	0.89	0.7	1.00	1.00	1.00	0.8	1.00	1.00	0.89	0.7	1.00	1.00	1.00	0.8					
	ΔT	22.61	20.95	17.86	14.7	22.56	20.91	17.82	14.6	22.79	21.14	18.05	14.8	22.54	20.89	17.80	14.6	22.32	20.67	17.58	14.4	23.36	21.70	18.61	15.4	22.32	20.67	17.58	14.4	23.36	21.70	18.61	15.4	22.32	20.67	17.58	14.4	23.36	21.70	18.61	15.4					
	kW	1.40	1.40	1.39	1.4	1.57	1.57	1.56	1.6	1.76	1.76	1.76	1.8	1.97	1.97	1.96	2.0	2.20	2.20	2.20	2.2	2.47	2.47	2.47	2.5	2.19	2.18	2.18	2.2	2.47	2.47	2.47	2.5	2.19	2.18	2.18	2.2	2.47	2.47	2.47	2.5					
	Amps	5.27	5.26	5.25	5.3	6.01	6.01	6.00	6.1	6.85	6.84	6.83	6.9	7.75	7.75	7.73	7.8	8.76	8.75	8.74	8.8	9.94	9.94	9.93	10.0	7.75	7.75	7.73	7.8	8.76	8.75	8.74	8.8	7.75	7.75	7.73	7.8	8.76	8.75	8.74	8.8					
	Hi PR	252	253	255	259.5	291	292	294	298.2	332	333	335	338.8	375	377	378	382.5	423	424	425	429.6	473	474	476	479.9	375	377	378	382.5	423	424	425	429.6	375	377	378	382.5	423	424	425	429.6					
Lo PR	135	137	140	145.5	143	145	148	153.3	150	151	155	160.2	156	157	160	165.9	161	163	166	171.6	168	170	173	178.7	150	151	155	160.2	156	157	160	165.9	150	151	155	160.2	156	157	160	165.9						
600	MBh	24.1	24.5	25.2	26.3	23.9	24.2	25.0	26.0	23.3	23.6	24.3	25.4	22.2	22.6	23.3	24.4	20.9	21.2	22.0	23.0	19.7	20.0	20.8	21.8	20.9	21.2	22.0	23.0	19.7	20.0	20.8	21.8	20.9	21.2	22.0	23.0	19.7	20.0	20.8	21.8					
	S/T	1.00	0.86	0.71	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.77	0.6	1.00	1.00	1.00	0.7	1.00	1.00	0.77	0.6	1.00	1.00	1.00	0.7	1.00	1.00	0.77	0.6	1.00	1.00	1.00	0.7					
	ΔT	29.70	28.05	24.96	21.8	29.66	28.00	24.91	21.7	29.89	28.23	25.14	21.9	29.64	27.98	24.89	21.7	29.42	27.76	24.67	21.5	30.45	28.80	25.71	22.5	29.42	27.76	24.67	21.5	30.45	28.80	25.71	22.5	29.42	27.76	24.67	21.5	30.45	28.80	25.71	22.5					
	kW	1.37	1.36	1.36	1.4	1.54	1.54	1.53	1.5	1.73	1.73	1.73	1.7	1.94	1.94	1.93	1.9	2.17	2.17	2.17	2.2	2.44	2.44	2.44	2.5	2.17	2.17	2.17	2.2	2.44	2.44	2.44	2.5	2.17	2.17	2.17	2.2	2.44	2.44	2.44	2.5					
	Amps	5.13	5.13	5.11	5.2	5.88	5.87	5.86	5.9	6.71	6.71	6.69	6.8	7.62	7.61	7.60	7.7	8.63	8.62	8.61	8.7	9.81	9.80	9.79	9.8	7.62	7.61	7.60	7.7	8.63	8.62	8.61	8.7	7.62	7.61	7.60	7.7	8.63	8.62	8.61	8.7					
	Hi PR	245	246	248	252.1	284	285	287	290.9	324	325	327	331.4	368	369	371	375.2	415	416	418	422.3	466	467	468	472.6	368	369	371	375.2	415	416	418	422.3	368	369	371	375.2	415	416	418	422.3					
Lo PR	129	131	134	139.3	137	138	142	147.1	144	145	148	153.9	149	151	154	159.7	155	157	160	165.4	162	164	167	172.5	144	145	148	153.9	149	151	154	159.7	144	145	148	153.9	149	151	154	159.7						
85	MBh	24.7	25.0	25.7	26.8	24.5	24.8	25.5	26.6	23.9	24.2	24.9	26.0	22.8	23.1	23.8	24.9	21.5	21.8	22.5	23.6	20.3	20.6	21.3	22.4	21.5	21.8	22.5	23.6	20.3	20.6	21.3	22.4	21.5	21.8	22.5	23.6	20.3	20.6	21.3	22.4					
	S/T	1.00	1.00	0.88	0.7	1.00	1.00	0.88	0.7	1.00	1.00	0.91	0.8	1.00	1.00	0.93	0.8	1.00	1.00	0.93	0.8	1.00	1.00	1.00	0.9	1.00	1.00	0.93	0.8	1.00	1.00	1.00	0.9	1.00	1.00	0.93	0.8	1.00	1.00	1.00	0.9					
	ΔT	27.44	25.79	22.70	19.5	27.40	25.74	22.65	19.5	27.63	25.97	22.88	19.7	27.38	25.72	22.64	19.4	27.16	25.50	22.41	19.2	28.19	26.54	23.45	20.2	27.16	25.50	22.41	19.2	28.19	26.54	23.45	20.2	27.16	25.50	22.41	19.2	28.19	26.54	23.45	20.2					
	kW	1.39	1.38	1.38	1.4	1.56	1.56	1.55	1.6	1.75	1.75	1.75	1.8	1.96	1.96	1.95	2.0	2.19	2.19	2.19	2.2	2.46	2.46	2.46	2.5	2.19	2.19	2.19	2.2	2.46	2.46	2.46	2.5													

EXPANDED COOLING DATA — APHH54231 – HIGH STAGE

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE											
		65				75				85				95				105				115			
		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	42.3	42.9	44.2	-	41.9	42.5	43.8	-	40.8	41.4	42.7	-	38.9	39.5	40.8	-	36.6	37.2	38.4	-	34.4	35.0	36.3	-
	S/T	0.50	0.43	0.30	-	0.51	0.44	0.31	-	0.53	0.46	0.33	-	0.55	0.48	0.35	-	1.00	0.50	0.37	-	1.00	0.55	0.42	-
	ΔT	22.56	20.59	16.91	-	22.51	20.54	16.86	-	22.79	20.82	17.13	-	22.49	20.52	16.84	-	22.23	20.25	16.57	-	23.46	21.49	17.81	-
	kW	2.79	2.79	2.78	-	3.15	3.14	3.14	-	3.54	3.54	3.53	-	3.97	3.96	3.96	-	4.44	4.44	4.43	-	5.00	5.00	4.99	-
	Amps	10.65	10.64	10.62	-	12.19	12.18	12.15	-	13.90	13.89	13.86	-	15.76	15.74	15.72	-	17.83	17.82	17.79	-	20.26	20.25	20.22	-
	Hi PR	260	261	263	-	301	303	304	-	345	346	348	-	391	393	394	-	442	443	445	-	495	497	498	-
	Lo PR	120	121	124	-	127	128	132	-	133	135	138	-	139	140	143	-	144	146	149	-	151	152	155	-
	MBh	43.3	43.9	45.2	-	42.9	43.5	44.8	-	41.8	42.4	43.7	-	39.9	40.5	41.8	-	37.5	38.1	39.4	-	35.4	36.0	37.3	-
	S/T	0.63	0.56	0.43	-	0.64	0.57	0.44	-	0.66	0.59	0.46	-	0.68	0.61	0.48	-	1.00	0.63	0.50	-	1.00	0.68	0.55	-
	ΔT	20.13	18.16	14.48	-	20.08	18.10	14.42	-	20.35	18.38	14.70	-	20.06	18.08	14.40	-	19.79	17.82	14.14	-	21.03	19.06	15.37	-
kW	2.83	2.83	2.82	-	3.18	3.18	3.17	-	3.58	3.57	3.57	-	4.00	4.00	3.99	-	4.48	4.48	4.47	-	5.04	5.04	5.03	-	
Amps	10.82	10.80	10.78	-	12.35	12.34	12.31	-	14.06	14.05	14.03	-	15.92	15.91	15.88	-	17.99	17.98	17.95	-	20.42	20.41	20.38	-	
Hi PR	264	265	267	-	306	307	309	-	349	350	352	-	396	397	399	-	446	447	449	-	500	501	503	-	
Lo PR	123	124	127	-	130	132	135	-	137	138	141	-	142	144	147	-	147	149	152	-	154	156	159	-	
MBh	44.6	45.2	46.5	-	44.3	44.9	46.1	-	43.1	43.7	45.0	-	41.2	41.8	43.1	-	38.9	39.5	40.8	-	36.7	37.3	38.6	-	
S/T	0.67	0.60	0.47	-	0.68	0.61	0.48	-	0.70	0.63	0.50	-	1.00	0.65	0.52	-	1.00	0.67	0.54	-	1.00	0.72	0.59	-	
ΔT	18.37	16.40	12.72	-	18.32	16.34	12.66	-	18.59	16.62	12.94	-	18.30	16.32	12.64	-	18.03	16.06	12.38	-	19.27	17.30	13.61	-	
kW	2.86	2.85	2.85	-	3.21	3.21	3.20	-	3.60	3.60	3.59	-	4.03	4.03	4.02	-	4.51	4.50	4.50	-	5.07	5.06	5.06	-	
Amps	10.93	10.92	10.89	-	12.47	12.46	12.43	-	14.18	14.17	14.14	-	16.04	16.02	16.00	-	18.11	18.10	18.07	-	20.54	20.53	20.50	-	
Hi PR	268	270	271	-	310	311	313	-	353	354	356	-	400	401	403	-	450	451	453	-	504	505	507	-	
Lo PR	127	128	131	-	134	135	139	-	140	142	145	-	146	147	150	-	151	153	156	-	158	159	163	-	
75	MBh	42.3	43.0	44.2	46.2	42.0	42.6	43.8	45.8	40.9	41.5	42.7	44.7	38.9	39.5	40.8	42.8	36.6	37.2	38.5	40.4	34.4	35.0	36.3	38.3
	S/T	0.63	0.55	0.42	0.3	0.63	0.56	0.43	0.3	1.00	0.58	0.45	0.3	1.00	0.60	0.47	0.3	1.00	0.62	0.49	0.4	1.00	0.67	0.54	0.4
	ΔT	26.90	24.93	21.25	17.4	26.85	24.87	21.19	17.4	27.12	25.15	21.47	17.7	26.83	24.85	21.17	17.4	26.56	24.59	20.91	17.1	27.80	25.82	22.14	18.3
	kW	2.79	2.79	2.78	2.8	3.14	3.14	3.13	3.2	3.54	3.53	3.53	3.6	3.96	3.96	3.95	4.0	4.44	4.44	4.43	4.5	5.00	5.00	4.99	5.0
	Amps	10.64	10.63	10.61	10.7	12.18	12.17	12.14	12.3	13.89	13.88	13.85	14.0	15.75	15.73	15.71	15.8	17.82	17.81	17.78	17.9	20.25	20.24	20.21	20.3
	Hi PR	260	261	263	267.8	302	303	305	309.2	345	346	348	352.5	392	393	395	399.2	442	443	445	449.5	496	497	499	503.2
	Lo PR	120	121	124	129.3	127	128	132	136.7	133	135	138	143.1	139	140	143	148.6	144	146	149	153.9	151	152	155	160.6
	MBh	43.3	43.9	45.2	47.1	42.9	43.5	44.8	46.8	41.8	42.4	43.7	45.6	39.9	40.5	41.8	43.7	37.6	38.2	39.4	41.4	35.4	36.0	37.3	39.2
	S/T	0.75	0.68	0.55	0.4	0.76	0.69	0.56	0.4	1.00	0.71	0.58	0.4	1.00	0.73	0.60	0.5	1.00	0.75	0.62	0.5	1.00	1.00	0.67	0.5
	ΔT	24.47	22.49	18.81	15.0	24.41	22.44	18.76	14.9	24.69	22.72	19.04	15.2	24.39	22.42	18.74	14.9	24.13	22.16	18.47	14.7	25.36	23.39	19.71	15.9
kW	2.83	2.82	2.82	2.8	3.18	3.18	3.17	3.2	3.57	3.57	3.57	3.6	4.00	4.00	3.99	4.0	4.48	4.47	4.47	4.5	5.04	5.03	5.03	5.1	
Amps	10.81	10.79	10.77	10.9	12.34	12.33	12.30	12.4	14.05	14.04	14.02	14.1	15.91	15.90	15.87	16.0	17.98	17.97	17.94	18.1	20.41	20.40	20.37	20.5	
Hi PR	265	266	268	272.1	306	307	309	313.5	349	350	352	356.8	396	397	399	403.5	446	447	449	453.8	500	501	503	507.5	
Lo PR	123	124	127	132.5	130	132	135	139.9	137	138	141	146.4	142	144	147	151.8	147	149	152	157.2	154	156	159	163.9	
MBh	44.7	45.3	46.5	48.5	44.3	44.9	46.2	48.1	43.2	43.8	45.0	47.0	41.2	41.9	43.1	45.1	38.9	39.5	40.8	42.7	36.8	37.4	38.6	40.6	
S/T	0.80	0.72	0.60	0.5	1.00	0.73	0.60	0.5	1.00	0.75	0.63	0.5	1.00	0.77	0.64	0.5	1.00	0.79	0.66	0.5	1.00	1.00	0.71	0.6	
ΔT	22.71	20.73	17.05	13.2	22.65	20.68	17.00	13.2	22.93	20.96	17.28	13.5	22.63	20.66	16.98	13.2	22.37	20.40	16.71	12.9	23.60	21.63	17.95	14.1	
kW	2.85	2.85	2.85	2.9	3.21	3.20	3.20	3.2	3.60	3.60	3.59	3.6	4.03	4.03	4.02	4.0	4.50	4.50	4.50	4.5	5.06	5.06	5.05	5.1	
Amps	10.92	10.91	10.89	11.0	12.46	12.45	12.42	12.5	14.17	14.16	14.13	14.3	16.03	16.01	15.99	16.1	18.10	18.09	18.06	18.2	20.53	20.52	20.49	20.6	
Hi PR	269	270	272	276.2	310	311	313	317.5	353	354	356	360.9	400	401	403	407.5	450	451	453	457.8	504	505	507	511.5	
Lo PR	127	128	131	136.4	134	136	139	143.8	140	142	145	150.2	146	147	150	155.7	151	153	156	161.0	158	159	163	167.7	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 8-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8-12°F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI (TVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 KW = Total system power

EXPANDED COOLING DATA — APHH54231 — HIGH STAGE (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																																																	
		65						75						85						95						105						115																			
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79														
		ENTERING INDOOR WET BULB TEMPERATURE																																																	
80	MBh	42.6	43.2	44.4	46.4	42.2	42.8	44.1	46.0	41.1	41.7	43.0	44.9	39.2	39.8	41.0	43.0	36.8	37.4	38.7	40.6	34.7	35.3	36.5	38.5	42.6	43.2	44.4	46.4	42.2	42.8	44.1	46.0	41.1	41.7	43.0	44.9	39.2	39.8	41.0	43.0	36.8	37.4	38.7	40.6	34.7	35.3	36.5	38.5		
	S/T	0.74	0.67	0.54	0.4	1.00	0.68	0.55	0.4	1.00	0.70	0.57	0.4	1.00	0.72	0.59	0.5	1.00	1.00	1.00	0.61	0.5	1.00	1.00	0.66	0.5	0.74	0.67	0.54	0.4	1.00	0.68	0.55	0.4	1.00	0.70	0.57	0.4	1.00	0.72	0.59	0.5	1.00	1.00	1.00	0.61	0.5	1.00	1.00	0.66	0.5
	ΔT	31.26	29.29	25.61	21.8	31.21	29.24	25.56	21.7	31.49	29.52	25.83	22.0	31.19	29.22	25.54	21.7	30.93	28.96	25.27	21.5	32.16	30.19	26.51	22.7	31.26	29.29	25.61	21.8	31.21	29.24	25.56	21.7	31.49	29.52	25.83	22.0	31.19	29.22	25.54	21.7	30.93	28.96	25.27	21.5	32.16	30.19	26.51	22.7		
	kW	2.79	2.79	2.78	2.8	3.14	3.14	3.14	3.2	3.54	3.54	3.53	3.6	3.97	3.96	3.96	4.0	4.44	4.44	4.43	4.5	5.00	5.00	4.99	5.0	2.79	2.79	2.78	2.8	3.14	3.14	3.14	3.2	3.54	3.54	3.53	3.6	3.97	3.96	3.96	4.0	4.44	4.44	4.43	4.5	5.00	5.00	4.99	5.0		
	Amps	10.65	10.64	10.61	10.7	12.19	12.17	12.15	12.3	13.90	13.89	13.86	14.0	15.75	15.74	15.72	15.8	17.83	17.81	17.79	17.9	20.26	20.24	20.22	20.3	10.65	10.64	10.61	10.7	12.19	12.17	12.15	12.3	13.90	13.89	13.86	14.0	15.75	15.74	15.72	15.8	17.83	17.81	17.79	17.9	20.26	20.24	20.22	20.3		
	Hi PR	261	262	264	268.3	302	303	305	309.7	345	347	348	353.0	392	393	395	399.7	442	444	445	450.0	496	497	499	503.7	261	262	264	268.3	302	303	305	309.7	345	347	348	353.0	392	393	395	399.7	442	444	445	450.0	496	497	499	503.7		
Lo PR	120	122	125	129.9	127	129	132	137.2	134	135	139	143.7	139	141	144	149.1	145	146	149	154.5	151	153	156	161.2	120	122	125	129.9	127	129	132	137.2	134	135	139	143.7	139	141	144	149.1	145	146	149	154.5	151	153	156	161.2			
1300	MBh	43.5	44.1	45.4	47.4	43.2	43.8	45.0	47.0	42.0	42.6	43.9	45.9	40.1	40.7	42.0	43.9	37.8	38.4	39.7	41.6	35.6	36.2	37.5	39.5	43.5	44.1	45.4	47.4	43.2	43.8	45.0	47.0	42.0	42.6	43.9	45.9	40.1	40.7	42.0	43.9	37.8	38.4	39.7	41.6	35.6	36.2	37.5	39.5		
	S/T	1.00	0.80	0.67	0.5	1.00	0.81	0.68	0.5	1.00	0.83	0.70	0.6	1.00	0.85	0.72	0.6	1.00	1.00	1.00	0.74	0.6	1.00	1.00	0.7	1.00	0.80	0.67	0.5	1.00	0.81	0.68	0.5	1.00	0.83	0.70	0.6	1.00	0.85	0.72	0.6	1.00	1.00	1.00	0.74	0.6	1.00	1.00	0.79	0.7	
	ΔT	28.83	26.86	23.18	19.4	28.78	26.81	23.12	19.3	29.05	27.08	23.40	19.6	28.76	26.79	23.10	19.3	28.49	26.52	22.84	19.0	29.73	27.76	24.07	20.3	28.83	26.86	23.18	19.4	28.78	26.81	23.12	19.3	29.05	27.08	23.40	19.6	28.76	26.79	23.10	19.3	28.49	26.52	22.84	19.0	29.73	27.76	24.07	20.3		
	kW	2.83	2.83	2.82	2.8	3.18	3.18	3.17	3.2	3.58	3.57	3.57	3.6	4.00	4.00	4.00	4.0	4.48	4.48	4.47	4.5	5.04	5.04	5.03	5.1	2.83	2.83	2.82	2.8	3.18	3.18	3.17	3.2	3.58	3.57	3.57	3.6	4.00	4.00	4.00	4.0	4.48	4.48	4.47	4.5	5.04	5.04	5.03	5.1		
	Amps	10.81	10.80	10.78	10.9	12.35	12.34	12.31	12.4	14.06	14.05	14.02	14.1	15.92	15.91	15.88	16.0	17.99	17.98	17.95	18.1	20.42	20.41	20.38	20.5	10.81	10.80	10.78	10.9	12.35	12.34	12.31	12.4	14.06	14.05	14.02	14.1	15.92	15.91	15.88	16.0	17.99	17.98	17.95	18.1	20.42	20.41	20.38	20.5		
	Hi PR	265	266	268	272.6	306	308	309	314.0	350	351	353	357.3	396	398	399	404.0	447	448	450	454.3	500	502	503	508.0	265	266	268	272.6	306	308	309	314.0	350	351	353	357.3	396	398	399	404.0	447	448	450	454.3	500	502	503	508.0		
Lo PR	123	125	128	133.1	131	132	135	140.4	137	139	142	146.9	143	144	147	152.3	148	149	153	157.7	155	156	159	164.4	123	125	128	133.1	131	132	135	140.4	137	139	142	146.9	143	144	147	152.3	148	149	153	157.7	155	156	159	164.4			
1600	MBh	44.9	45.5	46.8	48.7	44.5	45.1	46.4	48.3	43.4	44.0	45.3	47.2	41.5	42.1	43.3	45.3	39.1	39.7	41.0	43.0	37.0	37.6	38.9	40.8	44.9	45.5	46.8	48.7	44.5	45.1	46.4	48.3	43.4	44.0	45.3	47.2	41.5	42.1	43.3	45.3	39.1	39.7	41.0	43.0	37.0	37.6	38.9	40.8		
	S/T	1.00	0.84	0.71	0.6	1.00	0.85	0.72	0.6	1.00	0.87	0.74	0.6	1.00	0.89	0.76	0.6	1.00	1.00	1.00	0.78	0.6	1.00	1.00	0.83	0.7	1.00	0.84	0.71	0.6	1.00	0.85	0.72	0.6	1.00	0.87	0.74	0.6	1.00	0.89	0.76	0.6	1.00	1.00	1.00	0.78	0.6	1.00	1.00	0.83	0.7
	ΔT	27.07	25.10	21.42	17.6	27.02	25.04	21.36	17.5	27.29	25.32	21.64	17.8	27.00	25.02	21.34	17.5	26.73	24.76	21.08	17.3	27.97	26.00	22.31	18.5	27.07	25.10	21.42	17.6	27.02	25.04	21.36	17.5	27.29	25.32	21.64	17.8	27.00	25.02	21.34	17.5	26.73	24.76	21.08	17.3	27.97	26.00	22.31	18.5		
	kW	2.86	2.85	2.85	2.9	3.21	3.21	3.20	3.2	3.60	3.60	3.59	3.6	4.03	4.03	4.02	4.0	4.51	4.50	4.50	4.5	5.07	5.06	5.06	5.1	2.86	2.85	2.85	2.9	3.21	3.21	3.20	3.2	3.60	3.60	3.59	3.6	4.03	4.03	4.02	4.0	4.51	4.50	4.50	4.5	5.07	5.06	5.06	5.1		
	Amps	10.93	10.92	10.89	11.0	12.47	12.45	12.43	12.5	14.18	14.17	14.14	14.3	16.03	16.02	16.00	16.1	18.11	18.09	18.07	18.2	20.54	20.52	20.50	20.6	10.93	10.92	10.89	11.0	12.47	12.45	12.43	12.5	14.18	14.17	14.14	14.3	16.03	16.02	16.00	16.1	18.11	18.09	18.07	18.2	20.54	20.52	20.50	20.6		
	Hi PR	269	270	272	276.6	310	312	313	318.0	354	355	357	361.3	400	402	403	408.0	451	452	454	458.3	504	506	507	512.0	269	270	272	276.6	310	312	313	318.0	354	355	357	361.3	400	402	403	408.0	451	452	454	458.3	504	506	507	512.0		
Lo PR	127	129	132	136.9	135	136	139	144.3	141	143	146	150.7	146	148	151	156.2	152	153	156	161.5	159	160	163	168.2	127	129	132	136.9	135	136	139	144.3	141	143	146	150.7	146	148	151	156.2	152	153	156	161.5	159	160	163	168.2			
85	MBh	43.3	43.9	45.2	47.1	42.9	43.5	44.8	46.7	41.8	42.4	43.7	45.6	39.9	40.5	41.8	43.7	37.5	38.1	39.4	41.4	35.4	36.0	37.3	39.2	43.3	43.9	45.2	47.1	42.9	43.5	44.8	46.7	41.8	42.4	43.7	45.6	39.9	40.5	41.8	43.7	37.5	38.1	39.4	41.4	35.4	36.0	37.3	39.2		
	S/T	1.00	0.77	0.64	0.5	1.00	0.77	0.65	0.5	1.00	0.79	0.67	0.5	1.00	0.81	0.69	0.6	1.00	1.00	1.00	0.71	0.6	1.00	1.00	0.6	1.00	0.77	0.64	0.5	1.00	0.77	0.65	0.5	1.00	0.79	0.67	0.5	1.00	0.81	0.69	0.6	1.00	1.00	1.00	0.71	0.6	1.00	1.00	0.76	0.6	
	ΔT	35.14	33.16	29.48	25.7	35.08	33.11	29.43	25.6	35.36	33.39	29.71	25.9	35.06	33.09	29.41	25.6	34.80	32.83	29.15	25.3	36.03	34.06	30.38	26.6	35.14	33.16	29.48	25.7	35.08	33.11	29.43	25.6	35.36	33.39	29.71	25.9	35.06	33.09	29.41	25.6	34.80	32.83	29.15	25.3	36.03	34.06	30.38	26.6		
	kW	2.80	2.80	2.79	2.8	3.15	3.15	3.14	3.2	3.55	3.54	3.54	3.6	3.97	3.97	3.96	4.0	4.45	4.45	4.44	4.5	5.01	5.00	5.00	5.0	2.80	2.80	2.79	2.8	3.15	3.15	3.14	3.2	3.55	3.54	3.54	3.6	3.97	3.97	3.96	4.0	4.45	4.45	4.44	4.5	5.01	5.00	5.00	5.0		
	Amps	10.68	10.67	10.64	10.8	12.22	12.20	12.18	12.3	13.93	13.92	13.89	14.0	15.78	15.77	15.75	15.9	17.86	17.84	17.82	17.9	20.29	20.27	20.25	20.4	10.68	10.67	10.64	10.8	12.22	12.20	12.18	12.3	13.93	13.92	13.89	14.0	15.78	15.77	15.75	15.9	17.86	17.84	17.82	17.9	20.29	20.27	20.25	20.4		
	Hi PR	262	263	265	269.6																																														

EXPANDED COOLING DATA — APHH54231 – LOW STAGE

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												105												115											
		65				75				85				95				105				115															
		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	30.5	31.0	31.9	-	30.3	30.7	31.6	-	29.5	29.9	30.8	-	28.1	28.5	29.4	-	26.4	26.8	27.8	-	24.9	25.3	26.2	-												
	S/T	0.55	0.48	0.34	-	0.56	0.48	0.35	-	0.58	0.51	0.37	-	1.00	0.52	0.39	-	1.00	0.55	0.41	-	1.00	0.60	0.46	-												
	ΔT	21.26	19.35	15.80	-	21.20	19.30	15.75	-	21.47	19.57	16.02	-	21.18	19.28	15.73	-	20.93	19.03	15.47	-	22.12	20.22	16.67	-												
	kW	1.76	1.76	1.76	-	1.98	1.98	1.98	-	2.23	2.23	2.23	-	2.50	2.50	2.49	-	2.80	2.80	2.79	-	3.15	3.15	3.15	-												
	Amps	6.72	6.72	6.70	-	7.69	7.68	7.67	-	8.77	8.76	8.74	-	9.93	9.93	9.91	-	11.24	11.23	11.21	-	12.77	12.76	12.74	-												
	Hi PR	249	251	252	-	289	290	292	-	330	332	333	-	375	376	378	-	423	424	426	-	474	476	477	-												
	Lo PR	124	125	128	-	131	133	136	-	138	139	142	-	143	145	148	-	149	150	154	-	156	157	160	-												
	MBh	31.1	31.6	32.5	-	30.9	31.3	32.2	-	30.0	30.5	31.4	-	28.7	29.1	30.0	-	27.0	27.4	28.3	-	25.4	25.9	26.8	-												
	S/T	0.65	0.57	0.44	-	0.65	0.58	0.45	-	0.68	0.60	0.47	-	1.00	0.62	0.49	-	1.00	0.65	0.51	-	1.00	0.70	0.56	-												
	ΔT	19.43	17.52	13.97	-	19.37	17.47	13.92	-	19.64	17.74	14.19	-	19.35	17.45	13.90	-	19.10	17.20	13.64	-	20.29	18.39	14.84	-												
kW	1.78	1.78	1.77	-	2.00	2.00	2.00	-	2.25	2.25	2.24	-	2.52	2.52	2.51	-	2.82	2.82	2.81	-	3.17	3.17	3.16	-													
Amps	6.80	6.80	6.78	-	7.77	7.76	7.74	-	8.85	8.84	8.82	-	10.01	10.01	9.99	-	11.32	11.31	11.29	-	12.85	12.84	12.82	-													
Hi PR	253	254	256	-	292	293	295	-	334	335	337	-	378	379	381	-	426	427	429	-	478	479	481	-													
Lo PR	126	128	131	-	134	135	138	-	140	142	145	-	146	148	151	-	152	153	156	-	158	160	163	-													
MBh	32.0	32.5	33.4	-	31.8	32.2	33.1	-	31.0	31.4	32.3	-	29.6	30.0	30.9	-	27.9	28.3	29.2	-	26.4	26.8	27.7	-													
S/T	0.69	0.62	0.49	-	0.70	0.62	0.49	-	1.00	0.65	0.52	-	1.00	0.67	0.54	-	1.00	0.69	0.56	-	1.00	1.00	0.61	-													
ΔT	17.81	15.91	12.35	-	17.76	15.86	12.30	-	18.03	16.12	12.57	-	17.74	15.84	12.28	-	17.48	15.58	12.03	-	18.68	16.77	13.22	-													
kW	1.80	1.79	1.79	-	2.02	2.02	2.01	-	2.27	2.26	2.26	-	2.53	2.53	2.53	-	2.83	2.83	2.83	-	3.19	3.18	3.18	-													
Amps	6.87	6.87	6.85	-	7.84	7.83	7.81	-	8.92	8.91	8.89	-	10.08	10.08	10.06	-	11.39	11.38	11.36	-	12.91	12.91	12.89	-													
Hi PR	256	257	259	-	296	297	299	-	337	338	340	-	382	383	385	-	430	431	433	-	481	482	484	-													
Lo PR	130	131	135	-	138	139	142	-	144	146	149	-	150	151	154	-	155	157	160	-	162	164	167	-													
75	MBh	30.6	31.0	31.9	33.3	30.3	30.7	31.6	33.0	29.5	29.9	30.8	32.2	28.1	28.5	29.5	30.9	26.4	26.9	27.8	29.2	24.9	25.3	26.2	27.6												
	S/T	0.68	0.60	0.47	0.3	0.68	0.61	0.47	0.3	1.00	0.63	0.50	0.4	1.00	0.65	0.52	0.4	1.00	0.67	0.54	0.4	1.00	1.00	0.59	0.5												
	ΔT	25.44	23.54	19.98	16.3	25.39	23.48	19.93	16.3	25.66	23.75	20.20	16.5	25.37	23.47	19.91	16.2	25.11	23.21	19.66	16.0	26.31	24.40	20.85	17.2												
	kW	1.76	1.76	1.75	1.8	1.98	1.98	1.98	2.0	2.23	2.23	2.22	2.2	2.50	2.50	2.49	2.5	2.80	2.80	2.79	2.8	3.15	3.15	3.14	3.2												
	Amps	6.72	6.71	6.69	6.8	7.68	7.68	7.66	7.7	8.76	8.75	8.74	8.8	9.93	9.92	9.90	10.0	11.23	11.22	11.21	11.3	12.76	12.75	12.73	12.8												
	Hi PR	250	251	253	256.9	289	290	292	296.4	331	332	333	337.9	375	376	378	382.5	423	424	426	430.6	475	476	478	481.9												
	Lo PR	124	125	128	133.5	131	133	136	141.1	138	139	142	147.7	143	145	148	153.3	149	150	154	158.8	156	157	160	165.7												
	MBh	31.1	31.6	32.5	33.9	30.9	31.3	32.2	33.6	30.1	30.5	31.4	32.8	28.7	29.1	30.0	31.4	27.0	27.4	28.4	29.8	25.5	25.9	26.8	28.2												
	S/T	0.77	0.70	0.57	0.4	1.00	0.71	0.57	0.4	1.00	0.73	0.60	0.5	1.00	0.75	0.62	0.5	1.00	0.77	0.64	0.5	1.00	1.00	0.69	0.5												
	ΔT	23.61	21.71	18.15	14.5	23.56	21.65	18.10	14.4	23.83	21.92	18.37	14.7	23.54	21.64	18.08	14.4	23.28	21.38	17.83	14.1	24.48	22.57	19.02	15.3												
kW	1.78	1.78	1.77	1.8	2.00	2.00	1.99	2.0	2.25	2.25	2.24	2.3	2.52	2.51	2.51	2.5	2.82	2.81	2.81	2.8	3.17	3.17	3.16	3.2													
Amps	6.80	6.79	6.77	6.8	7.76	7.76	7.74	7.8	8.84	8.83	8.82	8.9	10.01	10.00	9.98	10.1	11.31	11.30	11.29	11.4	12.84	12.83	12.81	12.9													
Hi PR	253	254	256	260.2	292	294	295	299.7	334	335	337	341.1	379	380	381	385.7	427	428	429	433.8	478	479	481	485.2													
Lo PR	126	128	131	136.3	134	135	139	143.8	140	142	145	150.5	146	148	151	156.1	152	153	156	161.6	158	160	163	168.4													
MBh	32.1	32.5	33.4	34.8	31.8	32.2	33.1	34.5	31.0	31.4	32.3	33.7	29.6	30.0	30.9	32.3	27.9	28.3	29.3	30.7	26.4	26.8	27.7	29.1													
S/T	0.82	0.74	0.61	0.5	1.00	0.75	0.62	0.5	1.00	0.77	0.64	0.5	1.00	0.79	0.66	0.5	1.00	1.00	0.68	0.5	1.00	1.00	0.73	0.6													
ΔT	21.99	20.09	16.54	12.9	21.94	20.04	16.49	12.8	22.21	20.31	16.75	13.1	21.92	20.02	16.47	12.8	21.67	19.77	16.21	12.5	22.86	20.96	17.40	13.7													
kW	1.79	1.79	1.79	1.8	2.02	2.01	2.00	2.0	2.26	2.26	2.26	2.3	2.53	2.53	2.53	2.5	2.83	2.83	2.83	2.8	3.18	3.18	3.18	3.2													
Amps	6.87	6.86	6.84	6.9	7.83	7.83	7.81	7.9	8.91	8.90	8.89	9.0	10.08	10.07	10.05	10.1	11.38	11.37	11.36	11.4	12.91	12.90	12.88	13.0													
Hi PR	257	258	259	263.8	296	297	299	303.3	338	339	340	344.8	382	383	385	389.4	430	431	433	437.5	482	483	484	488.8													
Lo PR	130	132	135	140.0	138	139	142	147.5	144	146	149	154.2	150	151	154	159.8	155	157	160	165.3	162	164	167	172.2													

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 8-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8-12°F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI (TVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 KW = Total system power

EXPANDED COOLING DATA — APHH54231 – LOW STAGE (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE															IDB															
		65					75					85						95					105					115				
		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	30.7	31.2	32.1	33.5	30.4	30.9	31.8	33.2	29.6	30.1	31.0	32.4	28.3	28.7	29.6	31.0	26.6	27.0	27.9	29.3	25.0	25.5	26.4	27.8	85						
	S/T	1.00	0.72	0.59	0.5	1.00	0.73	0.60	0.5	1.00	0.75	0.62	0.5	1.00	1.00	0.64	0.5	1.00	1.00	0.66	0.5	1.00	1.00	0.71	0.6							
	ΔT	29.65	27.75	24.20	20.5	29.60	27.70	24.14	20.5	29.87	27.96	24.41	20.7	29.58	27.68	24.12	20.4	29.33	27.42	23.87	20.2	30.52	28.61	25.06	21.4							
	kW	1.76	1.76	1.76	1.8	1.98	1.98	1.98	2.0	2.23	2.23	2.23	2.3	2.50	2.50	2.49	2.5	2.80	2.80	2.79	2.8	3.15	3.15	3.15	3.2							
	Amps	6.72	6.71	6.70	6.8	7.69	7.68	7.66	7.7	8.77	8.76	8.74	8.8	9.93	9.92	9.91	10.0	11.24	11.23	11.21	11.3	12.76	12.76	12.74	12.8							
	Hi PR	250	251	253	257.3	290	291	293	296.9	331	332	334	338.3	376	377	379	382.9	424	425	427	431.0	475	476	478	482.3							
	Lo PR	124	126	129	134.1	132	133	136	141.7	138	140	143	148.3	144	145	149	153.9	149	151	154	159.4	156	158	161	166.3							
	MBh	31.3	31.7	32.7	34.1	31.0	31.5	32.4	33.8	30.2	30.7	31.6	33.0	28.8	29.3	30.2	31.6	27.2	27.6	28.5	29.9	25.6	26.1	27.0	28.4							
	S/T	1.00	0.82	0.69	0.6	1.00	0.83	0.70	0.6	1.00	0.85	0.72	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.81	0.7							
	ΔT	27.82	25.92	22.37	18.7	27.77	25.87	22.31	18.6	28.04	26.13	22.58	18.9	27.75	25.85	22.29	18.6	27.50	25.59	22.04	18.4	28.69	26.78	23.23	19.6							
kW	1.78	1.78	1.77	1.8	2.00	2.00	2.00	2.0	2.25	2.25	2.24	2.3	2.52	2.52	2.51	2.5	2.82	2.82	2.81	2.8	3.17	3.17	3.16	3.2								
Amps	6.80	6.79	6.78	6.9	7.77	7.76	7.74	7.8	8.85	8.84	8.82	8.9	10.01	10.00	9.99	10.1	11.31	11.31	11.29	11.4	12.84	12.84	12.82	12.9								
Hi PR	253	254	256	260.6	293	294	296	300.2	334	335	337	341.6	379	380	382	386.2	427	428	430	434.3	478	479	481	485.6								
Lo PR	127	128	132	136.8	134	136	139	144.4	141	143	146	151.0	147	148	151	156.6	152	154	157	162.1	159	161	164	169.0								
1200	MBh	32.2	32.6	33.6	35.0	31.9	32.4	33.3	34.7	31.1	31.6	32.5	33.9	29.8	30.2	31.1	32.5	28.1	28.5	29.4	30.8	26.5	27.0	27.9	29.3	1200						
	S/T	1.00	0.87	0.73	0.6	1.00	0.87	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.80	0.7	1.00	1.00	1.00	0.7							
	ΔT	26.21	24.30	20.75	17.1	26.15	24.25	20.70	17.0	26.42	24.52	20.97	17.3	26.13	24.23	20.68	17.0	25.88	23.98	20.42	16.7	27.07	25.17	21.62	17.9							
	kW	1.80	1.79	1.79	1.8	2.02	2.02	2.01	2.0	2.27	2.26	2.26	2.3	2.53	2.53	2.53	2.5	2.83	2.83	2.83	2.8	3.19	3.18	3.18	3.2							
	Amps	6.87	6.86	6.85	6.9	7.84	7.83	7.81	7.9	8.92	8.91	8.89	9.0	10.08	10.07	10.06	10.1	11.38	11.38	11.36	11.4	12.91	12.91	12.89	13.0							
	Hi PR	257	258	260	264.3	297	298	299	303.8	338	339	341	345.2	383	384	385	389.8	431	432	434	437.9	482	483	485	489.3							
	Lo PR	131	132	135	140.5	138	140	143	148.1	145	146	149	154.7	150	152	155	160.3	156	157	161	165.8	163	164	167	172.7							
	MBh	31.2	31.7	32.6	34.0	31.0	31.4	32.3	33.7	30.2	30.6	31.5	32.9	28.8	29.2	30.1	31.5	27.1	27.5	28.4	29.8	25.6	26.0	26.9	28.3		85					
	S/T	1.00	0.82	0.69	0.6	1.00	0.83	0.70	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	1.00	0.7							
	ΔT	33.39	31.48	27.93	24.3	33.34	31.43	27.88	24.2	33.60	31.70	28.15	24.5	33.32	31.41	27.86	24.2	33.06	31.16	27.61	23.9	34.25	32.35	28.80	25.1							
kW	1.77	1.76	1.76	1.8	1.99	1.99	1.98	2.0	2.24	2.23	2.23	2.2	2.50	2.50	2.50	2.5	2.80	2.80	2.80	2.8	3.16	3.15	3.15	3.2								
Amps	6.74	6.73	6.72	6.8	7.71	7.70	7.68	7.8	8.78	8.78	8.76	8.8	9.95	9.94	9.93	10.0	11.25	11.25	11.23	11.3	12.78	12.77	12.76	12.8								
Hi PR	251	252	254	258.5	291	292	294	298.1	332	333	335	339.5	377	378	380	384.1	425	426	428	432.2	476	477	479	483.5								
Lo PR	126	127	131	136.0	134	135	138	143.5	140	142	145	150.2	146	147	150	155.8	151	153	156	161.3	158	160	163	168.1								
MBh	31.8	32.3	33.2	34.6	31.5	32.0	32.9	34.3	30.7	31.2	32.1	33.5	29.4	29.8	30.7	32.1	27.7	28.1	29.0	30.4	26.1	26.6	27.5	28.9								
S/T	1.00	0.92	0.79	0.6	1.00	1.00	0.79	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	1.00	0.7	1.00	1.00	1.00	0.8								
ΔT	31.56	29.65	26.10	22.4	31.51	29.60	26.05	22.4	31.77	29.87	26.32	22.6	31.49	29.58	26.03	22.3	31.23	29.33	25.78	22.1	32.42	30.52	26.97	23.3								
kW	1.78	1.78	1.78	1.8	2.01	2.00	2.00	2.0	2.25	2.25	2.25	2.3	2.52	2.52	2.52	2.5	2.82	2.82	2.82	2.8	3.17	3.17	3.17	3.2								
Amps	6.82	6.81	6.80	6.9	7.79	7.78	7.76	7.8	8.86	8.86	8.84	8.9	10.03	10.02	10.01	10.1	11.33	11.33	11.31	11.4	12.86	12.85	12.84	12.9								
Hi PR	255	256	257	261.8	294	295	297	301.3	336	337	338	342.8	380	381	383	387.4	428	429	431	435.5	480	481	482	486.8								
Lo PR	129	130	133	138.7	136	138	141	146.2	143	144	148	152.9	148	150	153	158.5	154	156	159	164.0	161	162	166	170.9								
1200	MBh	32.7	33.2	34.1	35.5	32.5	32.9	33.8	35.2	31.7	32.1	33.0	34.4	30.3	30.7	31.6	33.0	28.6	29.0	29.9	31.3	27.0	27.5	28.4	29.8	1200						
	S/T	1.00	0.96	0.83	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.88	0.7	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8							
	ΔT	29.94	28.04	24.49	20.8	29.89	27.99	24.43	20.8	30.16	28.25	24.70	21.0	29.87	27.97	24.42	20.7	29.62	27.71	24.16	20.5	30.81	28.90	25.35	21.7							
	kW	1.80	1.80	1.79	1.8	2.02	2.02	2.02	2.0	2.27	2.27	2.26	2.3	2.54	2.54	2.53	2.5	2.84	2.84	2.83	2.8	3.19	3.19	3.18	3.2							
	Amps	6.89	6.88	6.87	6.9	7.86	7.85	7.83	7.9	8.93	8.93	8.91	9.0	10.10	10.09	10.08	10.2	11.40	11.40	11.38	11.5	12.93	12.92	12.91	13.0							
	Hi PR	258	259	261	265.4	298	299	301	305.0	339	340	342	346.4	384	385	387	391.0	432	433	435	439.1	483	484	486	490.4							
	Lo PR	132	134	137	142.4	140	141	145	150.0	147	148	151	156.6	152	154	157	162.2	158	159	162	167.7	165	166	169	174.6							

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 8-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8-12°F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

EXPANDED COOLING DATA — APHH54831 — HIGH STAGE

IDB	OUTDOOR AMBIENT TEMPERATURE												105												115											
	65				75				85				95				105				115															
	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	1400	MBh	45.9	46.6	47.9	-	45.5	46.1	47.5	-	44.3	45.0	46.3	-	42.2	42.9	44.3	-	39.7	40.4	41.7	-	37.4	38.1	39.5	-										
		S/T	0.65	0.57	0.43	-	0.65	0.57	0.43	-	0.68	0.60	0.46	-	0.70	0.62	0.48	-	1.00	0.64	0.50	-	1.00	0.70	0.56	-										
		ΔT	19.20	17.40	14.04	-	19.15	17.35	13.99	-	19.41	17.61	14.24	-	19.13	17.33	13.97	-	18.89	17.09	13.73	-	20.02	18.22	14.86	-										
		kW	3.05	3.04	3.04	-	3.42	3.41	3.41	-	3.83	3.82	3.82	-	4.27	4.27	4.26	-	4.77	4.77	4.76	-	5.36	5.35	5.35	-										
		Amps	11.20	11.19	11.16	-	12.81	12.80	12.77	-	14.60	14.59	14.56	-	16.54	16.53	16.50	-	18.71	18.70	18.67	-	21.25	21.24	21.21	-										
	Hi PR	265	266	268	-	307	308	310	-	351	352	354	-	398	399	401	-	449	450	452	-	503	504	506	-											
	Lo PR	121	123	126	-	129	130	133	-	135	137	140	-	141	142	145	-	146	147	150	-	153	154	157	-											
	MBh	46.4	47.0	48.4	-	46.0	46.6	48.0	-	44.8	45.4	46.8	-	42.7	43.4	44.7	-	40.2	40.9	42.2	-	37.9	38.6	39.9	-											
	S/T	0.69	0.61	0.47	-	0.70	0.62	0.48	-	0.73	0.65	0.51	-	0.75	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.74	0.60	-											
	ΔT	18.38	16.58	13.22	-	18.33	16.53	13.17	-	18.58	16.78	13.42	-	18.31	16.51	13.15	-	18.07	16.27	12.91	-	19.20	17.40	14.04	-											
kW	3.06	3.06	3.05	-	3.43	3.43	3.42	-	3.84	3.84	3.83	-	4.29	4.29	4.28	-	4.79	4.78	4.78	-	5.37	5.37	5.36	-												
Amps	11.27	11.25	11.23	-	12.87	12.86	12.83	-	14.67	14.65	14.63	-	16.61	16.59	16.57	-	18.77	18.76	18.73	-	21.32	21.30	21.28	-												
Hi PR	267	268	270	-	309	310	312	-	352	354	355	-	399	401	403	-	450	451	453	-	504	506	507	-												
Lo PR	123	124	127	-	130	132	135	-	137	138	141	-	142	143	147	-	147	149	152	-	154	155	159	-												
MBh	46.9	47.6	48.9	-	46.5	47.2	48.5	-	45.3	46.0	47.3	-	43.3	43.9	45.3	-	40.8	41.4	42.8	-	38.5	39.1	40.5	-												
S/T	0.72	0.64	0.50	-	0.73	0.65	0.51	-	0.75	0.68	0.53	-	1.00	0.70	0.55	-	1.00	0.72	0.58	-	1.00	0.77	0.63	-												
ΔT	17.66	15.86	12.50	-	17.61	15.81	12.45	-	17.86	16.06	12.70	-	17.59	15.79	12.43	-	17.35	15.55	12.19	-	18.48	16.68	13.32	-												
kW	3.07	3.07	3.06	-	3.44	3.44	3.43	-	3.85	3.85	3.85	-	4.30	4.30	4.29	-	4.80	4.80	4.79	-	5.38	5.38	5.38	-												
Amps	11.32	11.31	11.28	-	12.93	12.91	12.89	-	14.72	14.71	14.68	-	16.66	16.65	16.62	-	18.83	18.82	18.79	-	21.37	21.36	21.33	-												
Hi PR	269	270	272	-	310	311	313	-	354	355	357	-	401	402	404	-	452	453	455	-	506	507	509	-												
Lo PR	124	126	129	-	132	133	136	-	138	139	143	-	143	145	148	-	149	150	153	-	155	157	160	-												
75	1400	MBh	45.9	46.6	47.9	50.0	45.5	46.2	47.5	49.6	44.3	45.0	46.3	48.4	42.3	42.9	44.3	46.4	39.8	40.4	41.8	43.9	37.5	38.1	39.5	41.6										
		S/T	0.78	0.70	0.56	0.4	0.79	0.71	0.57	0.4	0.4	1.00	0.73	0.59	0.4	1.00	0.76	0.61	0.5	1.00	0.78	0.64	0.5	1.00	0.83	0.69	0.5									
		ΔT	23.16	21.36	18.00	14.5	23.11	21.31	17.95	14.5	14.5	23.36	21.56	18.20	14.7	23.09	21.29	17.93	14.4	22.85	21.05	17.69	14.2	23.98	22.18	18.82	15.3									
		kW	3.04	3.04	3.03	3.1	3.41	3.41	3.40	3.4	3.4	3.83	3.82	3.82	3.8	4.27	4.27	4.26	4.3	4.77	4.77	4.76	4.8	5.35	5.35	5.35	5.4									
		Amps	11.19	11.18	11.15	11.3	12.80	12.79	12.76	12.9	12.9	14.59	14.58	14.55	14.7	16.53	16.52	16.49	16.6	18.70	18.69	18.66	18.8	21.24	21.23	21.20	21.3									
	Hi PR	265	267	268	273.0	307	308	310	314.8	314.8	351	352	354	358.5	398	399	401	405.6	449	450	452	456.4	503	504	506	510.6										
	Lo PR	121	123	126	131.1	129	130	133	138.4	138.4	135	137	140	144.9	141	142	145	150.3	146	147	151	155.7	153	154	157	162.4										
	MBh	46.4	47.1	48.4	50.5	46.0	46.6	48.0	50.1	44.8	45.5	46.8	48.9	42.7	43.4	44.8	46.9	42.7	40.2	40.9	42.2	44.3	37.9	38.6	40.0	42.0										
	S/T	0.83	0.75	0.61	0.5	0.83	0.75	0.61	0.5	0.5	1.00	0.78	0.64	0.5	1.00	0.80	0.66	0.5	1.00	0.82	0.68	0.5	1.00	1.00	0.74	0.6										
	ΔT	22.34	20.54	17.18	13.7	22.29	20.49	17.13	13.6	13.6	22.54	20.74	17.38	13.9	22.27	20.47	17.11	13.6	22.03	20.23	16.87	13.4	23.16	21.36	18.00	14.5										
kW	3.06	3.06	3.05	3.1	3.43	3.42	3.42	3.4	3.4	3.84	3.84	3.83	3.9	4.29	4.28	4.28	4.3	4.78	4.78	4.78	4.8	5.37	5.37	5.36	5.4											
Amps	11.26	11.24	11.22	11.3	12.86	12.85	12.82	12.9	12.9	14.66	14.64	14.61	14.7	16.60	16.58	16.56	16.7	18.76	18.75	18.72	18.8	21.31	21.29	21.27	21.4											
Hi PR	267	268	270	274.7	309	310	312	316.5	316.5	353	354	356	360.2	400	401	403	407.4	451	452	454	458.1	505	506	508	512.3											
Lo PR	123	124	127	132.5	130	132	135	139.8	139.8	137	138	141	146.3	142	143	147	151.7	147	149	152	157.0	154	156	159	163.7											
MBh	47.0	47.6	49.0	51.1	46.5	47.2	48.6	50.7	45.4	46.0	47.4	49.5	43.3	43.9	45.3	47.4	40.8	41.4	42.8	44.9	38.5	39.1	40.5	42.6												
S/T	0.86	0.78	0.64	0.5	0.86	0.78	0.64	0.5	0.5	1.00	0.81	0.67	0.5	1.00	0.83	0.69	0.5	1.00	0.85	0.71	0.6	1.00	1.00	0.77	0.6											
ΔT	21.62	19.82	16.46	13.0	21.57	19.77	16.41	12.9	12.9	21.82	20.02	16.66	13.2	21.55	19.75	16.39	12.9	21.31	19.51	16.15	12.7	22.44	20.64	17.28	13.8											
kW	3.07	3.07	3.06	3.1	3.44	3.44	3.43	3.5	3.5	3.85	3.85	3.84	3.9	4.30	4.30	4.29	4.3	4.80	4.79	4.79	4.8	5.38	5.38	5.37	5.4											
Amps	11.31	11.30	11.27	11.4	12.92	12.90	12.88	13.0	13.0	14.71	14.70	14.67	14.8	16.65	16.64	16.61	16.7	18.82	18.81	18.78	18.9	21.36	21.35	21.32	21.4											
Hi PR	269	270	272	276.4	311	312	314	318.2	318.2	354	355	357	361.9	401	403	404	409.0	452	453	455	459.8	506	508	509	514.0											
Lo PR	124	126	129	134.0	132	133	136	141.3	141.3	138	140	143	147.8	143	145	148	153.2	149	150	153	158.5	156	157	160	165.2											

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 10-13 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 10-14 °F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI (TVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

EXPANDED COOLING DATA — APHH54831 — LOW STAGE

IDB	OUTDOOR AMBIENT TEMPERATURE												105												115											
	65				75				85				95				105				115															
	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	800	MBh	32.6	33.1	34.1	-	32.4	32.8	33.8	-	31.5	32.0	32.9	-	30.0	30.5	31.5	-	28.2	28.7	29.7	-	26.6	27.0	28.0	-										
		S/T	0.58	0.50	0.35	-	0.59	0.51	0.36	-	0.61	0.53	0.39	-	0.63	0.55	0.41	-	1.00	0.58	0.43	-	1.00	0.63	0.49	-										
		ΔT	19.71	17.97	14.73	-	19.66	17.92	14.68	-	19.91	18.17	14.93	-	19.64	17.91	14.66	-	19.41	17.67	14.43	-	20.50	18.76	15.52	-										
		kW	1.90	1.90	1.90	-	2.13	2.13	2.13	-	2.39	2.39	2.39	-	2.67	2.67	2.67	-	2.99	2.99	2.99	-	3.36	3.35	3.35	-										
		Amps	6.99	6.98	6.96	-	8.00	7.99	7.97	-	9.13	9.12	9.10	-	10.35	10.34	10.32	-	11.71	11.70	11.68	-	13.31	13.30	13.28	-										
		HiPR	251	252	254	-	291	292	294	-	333	334	336	-	378	379	381	-	427	428	430	-	478	480	481	-										
	LoPR	123	125	128	-	131	132	135	-	137	139	142	-	143	144	148	-	148	150	153	-	155	157	160	-											
	1020	MBh	33.3	33.8	34.8	-	33.1	33.5	34.5	-	32.2	32.7	33.6	-	30.7	31.2	32.2	-	28.9	29.4	30.4	-	27.3	27.7	28.7	-										
		S/T	0.71	0.63	0.49	-	0.72	0.64	0.49	-	0.75	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.71	0.56	-	1.00	0.76	0.62	-										
		ΔT	17.74	16.00	12.76	-	17.69	15.95	12.71	-	17.93	16.20	12.95	-	17.67	15.93	12.69	-	17.44	15.70	12.46	-	18.53	16.79	13.55	-										
		kW	1.92	1.92	1.92	-	2.16	2.16	2.15	-	2.42	2.41	2.41	-	2.70	2.70	2.69	-	3.01	3.01	3.01	-	3.38	3.38	3.37	-										
		Amps	7.09	7.08	7.06	-	8.10	8.09	8.07	-	9.22	9.22	9.20	-	10.44	10.44	10.42	-	11.81	11.80	11.78	-	13.41	13.40	13.38	-										
HiPR		255	256	258	-	295	296	298	-	337	338	340	-	382	383	385	-	430	432	433	-	482	483	485	-											
LoPR	126	128	131	-	134	135	138	-	140	142	145	-	146	147	151	-	151	153	156	-	158	160	163	-												
1200	MBh	34.1	34.6	35.6	-	33.8	34.3	35.3	-	33.0	33.4	34.4	-	31.5	31.9	32.9	-	29.7	30.1	31.1	-	28.0	28.5	29.5	-											
	S/T	0.76	0.67	0.53	-	0.76	0.68	0.54	-	1.00	0.71	0.56	-	1.00	0.73	0.58	-	1.00	0.75	0.61	-	1.00	0.81	0.66	-											
	ΔT	16.52	14.78	11.54	-	16.47	14.74	11.49	-	16.72	14.98	11.74	-	16.46	14.72	11.47	-	16.22	14.49	11.24	-	17.31	15.57	12.33	-											
	kW	1.94	1.94	1.93	-	2.17	2.17	2.17	-	2.43	2.43	2.42	-	2.71	2.71	2.71	-	3.02	3.02	3.02	-	3.39	3.39	3.39	-											
	Amps	7.15	7.14	7.12	-	8.16	8.15	8.13	-	9.28	9.28	9.26	-	10.51	10.50	10.48	-	11.87	11.86	11.84	-	13.47	13.46	13.44	-											
	HiPR	258	259	261	-	298	299	301	-	340	341	343	-	385	386	388	-	433	435	436	-	485	486	488	-											
LoPR	129	131	134	-	137	138	141	-	143	145	148	-	149	150	154	-	154	156	159	-	161	163	166	-												
75	800	MBh	32.7	33.1	34.1	35.6	32.4	32.8	33.8	35.3	31.5	32.0	33.0	34.5	30.0	30.5	31.5	33.0	28.2	28.7	29.7	31.2	26.6	27.0	28.0	29.5										
		S/T	0.72	0.64	0.49	0.3	0.72	0.64	0.50	0.3	1.00	0.67	0.52	0.4	1.00	0.69	0.55	0.4	1.00	0.71	0.57	0.4	1.00	1.00	0.62	0.5										
		ΔT	23.53	21.79	18.55	15.2	23.48	21.74	18.50	15.1	23.73	21.99	18.75	15.4	23.46	21.73	18.48	15.1	23.23	21.49	18.25	14.9	24.32	22.58	19.34	16.0										
		kW	1.90	1.90	1.89	1.9	2.13	2.13	2.13	2.1	2.39	2.39	2.39	2.4	2.67	2.67	2.67	2.7	2.99	2.98	2.98	3.0	3.35	3.35	3.35	3.4										
		Amps	6.98	6.97	6.96	7.0	7.99	7.98	7.97	8.0	9.12	9.11	9.09	9.2	10.34	10.33	10.31	10.4	11.70	11.70	11.68	11.8	13.30	13.29	13.28	13.4										
		HiPR	252	253	254	258.8	291	292	294	298.7	333	334	336	340.5	378	379	381	385.6	427	428	430	434.1	479	480	482	486.0										
	LoPR	123	125	128	133.1	131	132	135	140.6	137	139	142	147.3	143	144	148	152.9	148	150	153	158.3	155	157	160	165.2											
	1020	MBh	33.4	33.8	34.8	36.3	33.1	33.5	34.5	36.0	32.2	32.7	33.7	35.2	30.7	31.2	32.2	33.7	28.9	29.4	30.4	31.9	27.3	27.7	28.7	30.2										
		S/T	0.85	0.77	0.62	0.5	1.00	0.77	0.63	0.5	1.00	0.80	0.66	0.5	1.00	0.82	0.68	0.5	1.00	0.85	0.70	0.5	1.00	1.00	0.76	0.6										
		ΔT	21.56	19.82	16.58	13.2	21.51	19.77	16.53	13.2	21.75	20.02	16.77	13.4	21.49	19.75	16.51	13.1	21.26	19.52	16.28	12.9	22.35	20.61	17.37	14.0										
		kW	1.92	1.92	1.92	1.9	2.16	2.15	2.15	2.2	2.42	2.41	2.41	2.4	2.70	2.69	2.69	2.7	3.01	3.01	3.00	3.0	3.38	3.38	3.37	3.4										
		Amps	7.08	7.07	7.05	7.1	8.09	8.08	8.07	8.1	9.22	9.21	9.19	9.3	10.44	10.43	10.41	10.5	11.80	11.79	11.78	11.9	13.40	13.39	13.38	13.5										
HiPR		255	256	258	262.6	295	296	298	302.6	337	338	340	344.4	382	383	385	389.4	431	432	434	438.0	483	484	485	489.8											
LoPR	126	128	131	136.2	134	135	138	143.7	140	142	145	150.3	146	147	151	155.9	151	153	156	161.4	158	160	163	168.3												
1200	MBh	34.1	34.6	35.6	37.1	33.8	34.3	35.3	36.8	33.0	33.4	34.4	35.9	31.5	32.0	32.9	34.4	29.7	30.2	31.1	32.6	28.0	28.5	29.5	31.0											
	S/T	0.89	0.81	0.67	0.5	1.00	0.82	0.67	0.5	1.00	0.85	0.70	0.5	1.00	0.87	0.72	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.80	0.6											
	ΔT	20.34	18.60	15.36	12.0	20.29	18.56	15.31	12.0	20.54	18.80	15.56	12.2	20.28	18.54	15.29	11.9	20.04	18.31	15.06	11.7	21.13	19.39	16.15	12.8											
	kW	1.94	1.94	1.93	1.9	2.17	2.17	2.16	2.2	2.43	2.43	2.42	2.4	2.71	2.71	2.70	2.7	3.02	3.02	3.02	3.0	3.39	3.39	3.39	3.4											
	Amps	7.14	7.13	7.12	7.2	8.15	8.14	8.13	8.2	9.28	9.27	9.25	9.3	10.50	10.49	10.47	10.6	11.86	11.85	11.84	11.9	13.46	13.45	13.44	13.5											
	HiPR	258	259	261	265.6	298	299	301	305.5	340	341	343	347.3	385	386	388	392.4	434	435	437	440.9	485	487	488	492.8											
LoPR	129	131	134	139.1	137	138	141	146.7	143	145	148	153.3	149	150	154	158.9	154	156	159	164.4	161	163	166	171.3												

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 5-7 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI (TVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 KW = Total system power

EXPANDED COOLING DATA — APHH54831 – LOW STAGE (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE											
		65				75				85				95				105				115			
		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	32.8	33.3	34.3	35.8	32.5	33.0	34.0	35.5	31.7	32.1	33.1	34.6	30.2	30.7	31.7	33.2	28.4	28.9	29.8	31.3	26.7	27.2	28.2	29.7
	S/T	1.00	0.77	0.63	0.5	1.00	0.78	0.63	0.5	1.00	0.80	0.66	0.5	1.00	0.82	0.68	0.5	1.00	1.00	0.70	0.6	1.00	1.00	0.76	0.6
	ΔT	27.38	25.64	22.39	19.0	27.33	25.59	22.35	19.0	27.57	25.83	22.59	19.2	27.31	25.57	22.33	19.0	27.08	25.34	22.10	18.7	28.17	26.43	23.18	19.8
	kW	1.90	1.90	1.90	1.9	2.13	2.13	2.13	2.1	2.39	2.39	2.39	2.4	2.67	2.67	2.67	2.7	2.99	2.99	2.98	3.0	3.36	3.35	3.35	3.4
	Amps	6.99	6.98	6.96	7.0	8.00	7.99	7.97	8.0	9.12	9.12	9.10	9.2	10.35	10.34	10.32	10.4	11.71	11.70	11.68	11.8	13.31	13.30	13.28	13.4
	Hi PR	252	253	255	259.3	292	293	295	299.2	334	335	337	341.0	379	380	382	386.1	427	428	430	434.6	479	480	482	486.4
Lo PR	124	125	128	133.6	131	133	136	141.2	138	139	143	147.8	143	145	148	153.4	149	150	154	158.9	156	157	160	165.8	
1020	MBh	33.5	34.0	35.0	36.5	33.2	33.7	34.7	36.2	32.4	32.9	33.8	35.3	30.9	31.4	32.4	33.9	29.1	29.6	30.5	32.0	27.4	27.9	28.9	30.4
	S/T	1.00	0.90	0.76	0.6	1.00	0.91	0.76	0.6	1.00	0.94	0.79	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.89	0.7
	ΔT	25.40	23.67	20.42	17.1	25.36	23.62	20.37	17.0	25.60	23.86	20.62	17.3	25.34	23.60	20.36	17.0	25.11	23.37	20.12	16.8	26.19	24.46	21.21	17.9
	kW	1.92	1.92	1.92	1.9	2.16	2.16	2.15	2.2	2.42	2.41	2.41	2.4	2.70	2.70	2.69	2.7	3.01	3.01	3.00	3.0	3.38	3.38	3.37	3.4
	Amps	7.09	7.08	7.06	7.1	8.10	8.09	8.07	8.1	9.22	9.22	9.20	9.3	10.44	10.44	10.42	10.5	11.81	11.80	11.78	11.9	13.41	13.40	13.38	13.5
	Hi PR	256	257	259	263.1	296	297	299	303.0	338	339	340	344.9	383	384	385	389.9	431	432	434	438.5	483	484	486	490.3
Lo PR	127	128	131	136.7	134	136	139	144.3	141	142	146	150.9	147	148	151	156.5	152	154	157	162.0	159	160	164	168.9	
1200	MBh	34.3	34.8	35.8	37.3	34.0	34.5	35.5	37.0	33.1	33.6	34.6	36.1	31.7	32.1	33.1	34.6	29.9	30.3	31.3	32.8	28.2	28.7	29.7	31.2
	S/T	1.00	0.95	0.80	0.6	1.00	0.95	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.88	0.7	1.00	1.00	0.93	0.8
	ΔT	24.19	22.45	19.21	15.8	24.14	22.40	19.16	15.8	24.38	22.65	19.40	16.0	24.12	22.38	19.14	15.8	23.89	22.15	18.91	15.5	24.98	23.24	20.00	16.6
	kW	1.94	1.94	1.93	2.0	2.17	2.17	2.17	2.2	2.43	2.43	2.42	2.4	2.71	2.71	2.71	2.7	3.02	3.02	3.02	3.0	3.39	3.39	3.39	3.4
	Amps	7.15	7.14	7.12	7.2	8.16	8.15	8.13	8.2	9.28	9.28	9.26	9.3	10.50	10.50	10.48	10.6	11.87	11.86	11.84	11.9	13.47	13.46	13.44	13.5
	Hi PR	259	260	262	266.1	299	300	302	306.0	341	342	343	347.8	386	387	388	392.9	434	435	437	441.4	486	487	489	493.2
Lo PR	130	131	134	139.6	137	139	142	147.2	144	145	149	153.8	149	151	154	159.4	155	156	160	164.9	162	163	167	171.8	
85	MBh	33.4	33.9	34.8	36.3	33.1	33.6	34.5	36.0	32.2	32.7	33.7	35.2	30.8	31.2	32.2	33.7	29.0	29.4	30.4	31.9	27.3	27.8	28.7	30.3
	S/T	1.00	0.88	0.73	0.6	1.00	0.89	0.74	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.81	0.7	1.00	1.00	1.00	0.7
	ΔT	30.79	29.05	25.81	22.4	30.74	29.00	25.76	22.4	30.98	29.25	26.00	22.6	30.72	28.98	25.74	22.4	30.49	28.75	25.51	22.1	31.58	29.84	26.60	23.2
	kW	1.91	1.90	1.90	1.9	2.14	2.14	2.13	2.2	2.40	2.40	2.39	2.4	2.68	2.68	2.67	2.7	2.99	2.99	2.99	3.0	3.36	3.36	3.35	3.4
	Amps	7.01	7.00	6.98	7.1	8.02	8.01	7.99	8.1	9.14	9.14	9.12	9.2	10.36	10.36	10.34	10.4	11.73	11.72	11.70	11.8	13.33	13.32	13.30	13.4
	Hi PR	253	254	256	260.5	293	294	296	300.4	335	336	338	342.2	380	381	383	387.2	429	430	431	435.8	480	481	483	487.6
Lo PR	125	127	130	135.5	133	135	138	143.0	140	141	144	149.7	145	147	150	155.3	151	152	155	160.8	158	159	162	167.6	
1020	MBh	34.1	34.6	35.5	37.0	33.8	34.3	35.2	36.7	32.9	33.4	34.4	35.9	31.5	31.9	32.9	34.4	29.7	30.1	31.1	32.6	28.0	28.5	29.5	31.0
	S/T	1.00	1.00	0.87	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.90	0.7	1.00	1.00	0.92	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
	ΔT	28.81	27.08	23.83	20.5	28.77	27.03	23.78	20.4	29.01	27.27	24.03	20.7	28.75	27.01	23.77	20.4	28.52	26.78	23.53	20.2	29.60	27.87	24.62	21.3
	kW	1.93	1.93	1.92	1.9	2.16	2.16	2.16	2.2	2.42	2.42	2.42	2.4	2.70	2.70	2.70	2.7	3.02	3.01	3.01	3.0	3.38	3.38	3.38	3.4
	Amps	7.10	7.10	7.08	7.2	8.11	8.11	8.09	8.2	9.24	9.23	9.22	9.3	10.46	10.46	10.44	10.5	11.83	11.82	11.80	11.9	13.43	13.42	13.40	13.5
	Hi PR	257	258	260	264.3	297	298	300	304.2	339	340	342	346.1	384	385	387	391.1	432	433	435	439.6	484	485	487	491.5
Lo PR	129	130	133	138.6	136	138	141	146.1	143	144	147	152.8	148	150	153	158.4	154	155	159	163.9	161	162	165	170.7	
1200	MBh	34.9	35.3	36.3	37.8	34.6	35.0	36.0	37.5	33.7	34.2	35.2	36.7	32.2	32.7	33.7	35.2	30.4	30.9	31.9	33.4	28.8	29.2	30.2	31.7
	S/T	1.00	1.00	0.91	0.8	1.00	1.00	0.92	0.8	1.00	1.00	0.94	0.8	1.00	1.00	0.96	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.9
	ΔT	27.60	25.86	22.62	19.3	27.55	25.81	22.57	19.2	27.79	26.06	22.81	19.5	27.53	25.80	22.55	19.2	27.30	25.56	22.32	19.0	28.39	26.65	23.41	20.0
	kW	1.94	1.94	1.94	1.9	2.18	2.17	2.17	2.2	2.43	2.43	2.43	2.4	2.72	2.71	2.71	2.7	3.03	3.03	3.02	3.0	3.40	3.40	3.39	3.4
	Amps	7.17	7.16	7.14	7.2	8.18	8.17	8.15	8.2	9.30	9.30	9.28	9.4	10.52	10.52	10.50	10.6	11.89	11.88	11.86	11.9	13.49	13.48	13.46	13.5
	Hi PR	260	261	263	267.3	300	301	303	307.2	342	343	345	349.0	387	388	390	394.0	435	436	438	442.6	487	488	490	494.4
Lo PR	132	133	136	141.5	139	141	144	149.1	146	147	150	155.7	151	153	156	161.3	157	158	161	166.8	164	165	168	173.7	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 5-7 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

EXPANDED COOLING DATA — APHH56031 HIGH STAGE

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												IDB													
		65				75				85					95				105				115				
		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	1500	MBh	56.0	56.8	58.5	-	55.5	56.3	58.0	-	54.0	54.8	56.5	-	51.5	52.3	54.0	-	48.4	49.2	50.9	-	45.6	46.4	48.1	-	
		S/T	0.58	0.51	0.38	-	0.58	0.51	0.38	-	0.61	0.54	0.41	-	0.63	0.55	0.43	-	1.00	0.58	0.45	-	1.00	0.62	0.50	-	
		ΔT	21.24	19.27	15.59	-	21.19	19.22	15.54	-	21.47	19.50	15.81	-	21.17	19.20	15.52	-	20.91	18.94	15.25	-	22.14	20.17	16.49	-	
	1700	kW	3.68	3.67	3.66	-	4.14	4.14	4.13	-	4.66	4.66	4.65	-	5.22	5.22	5.21	-	5.85	5.84	5.84	-	6.58	6.58	6.57	-	
		Amps	13.61	13.60	13.56	-	15.63	15.62	15.58	-	17.89	17.87	17.84	-	20.33	20.31	20.28	-	23.05	23.04	23.00	-	26.25	26.24	26.20	-	
		HiPR	282	283	285	-	326	327	329	-	373	374	376	-	423	424	426	-	477	478	480	-	534	536	538	-	
	1900	LoPR	120	122	125	-	128	129	132	-	134	135	139	-	139	141	144	-	145	146	149	-	151	153	156	-	
		MBh	56.7	57.5	59.2	-	56.2	57.0	58.7	-	54.7	55.5	57.2	-	52.2	53.0	54.7	-	49.1	49.9	51.6	-	46.3	47.1	48.8	-	
		S/T	0.63	0.56	0.43	-	0.64	0.57	0.44	-	0.66	0.59	0.46	-	0.68	0.61	0.48	-	1.00	0.63	0.50	-	1.00	0.68	0.55	-	
	75	1500	ΔT	20.13	18.16	14.48	-	20.08	18.10	14.42	-	20.35	18.38	14.70	-	20.06	18.08	14.40	-	19.79	17.82	14.14	-	21.03	19.06	15.37	-
			kW	3.70	3.69	3.69	-	4.16	4.16	4.15	-	4.68	4.68	4.67	-	5.24	5.24	5.23	-	5.87	5.87	5.86	-	6.61	6.60	6.59	-
			Amps	13.71	13.69	13.66	-	15.73	15.71	15.68	-	17.98	17.97	17.93	-	20.43	20.41	20.37	-	23.15	23.14	23.10	-	26.35	26.34	26.30	-
1700		HiPR	284	285	287	-	328	330	332	-	375	376	378	-	425	426	428	-	479	480	482	-	537	538	540	-	
		LoPR	122	123	126	-	129	131	134	-	136	137	140	-	141	143	146	-	146	148	151	-	153	155	158	-	
		MBh	57.5	58.3	60.0	-	57.0	57.8	59.5	-	55.6	56.3	58.0	-	53.0	53.8	55.5	-	50.0	50.8	52.4	-	47.2	48.0	49.6	-	
1900		S/T	0.66	0.59	0.46	-	0.67	0.60	0.47	-	0.69	0.62	0.49	-	0.71	0.64	0.51	-	1.00	0.66	0.53	-	1.00	0.71	0.58	-	
		ΔT	19.18	17.21	13.53	-	19.13	17.16	13.48	-	19.41	17.43	13.75	-	19.11	17.14	13.46	-	18.85	16.87	13.19	-	20.08	18.11	14.43	-	
		kW	3.72	3.71	3.71	-	4.18	4.18	4.17	-	4.70	4.70	4.69	-	5.26	5.26	5.25	-	5.89	5.89	5.88	-	6.62	6.62	6.61	-	
1500		Amps	13.79	13.78	13.74	-	15.81	15.80	15.76	-	18.07	18.05	18.02	-	20.51	20.49	20.46	-	23.23	23.22	23.18	-	26.43	26.42	26.38	-	
		HiPR	286	287	289	-	331	332	334	-	377	378	380	-	427	428	430	-	481	482	484	-	539	540	542	-	
		LoPR	124	125	128	-	131	133	136	-	137	139	142	-	143	144	147	-	148	150	153	-	155	156	159	-	
75	1500	MBh	56.0	56.8	58.5	61.0	55.5	56.3	58.0	60.5	54.1	54.9	56.5	59.1	51.6	52.3	54.0	56.6	48.5	49.3	50.9	53.5	45.7	46.5	48.1	50.7	
		S/T	0.70	0.63	0.50	0.4	0.71	0.63	0.51	0.4	1.00	0.66	0.53	0.4	1.00	0.68	0.55	0.4	1.00	0.70	0.57	0.4	1.00	0.75	0.62	0.5	
		ΔT	25.58	23.61	19.93	16.1	25.53	23.55	19.87	16.1	25.80	23.83	20.15	16.3	25.51	23.53	19.85	16.0	25.24	23.27	19.59	15.8	26.48	24.51	20.82	17.0	
	1700	kW	3.67	3.67	3.66	3.7	4.14	4.13	4.13	4.2	4.66	4.65	4.64	4.7	5.22	5.21	5.21	5.2	5.84	5.84	5.83	5.9	6.58	6.58	6.57	6.6	
		Amps	13.60	13.58	13.55	13.7	15.62	15.60	15.57	15.7	17.87	17.86	17.82	18.0	20.31	20.30	20.26	20.4	23.04	23.02	22.99	23.1	26.24	26.22	26.19	26.3	
		HiPR	282	283	285	290.1	326	328	330	334.5	373	374	376	381.0	423	424	426	431.1	477	478	480	485.2	535	536	538	542.8	
	1900	LoPR	120	122	125	130.0	128	129	132	137.3	134	135	139	143.7	139	141	144	149.1	145	146	149	154.4	151	153	156	161.1	
		MBh	56.7	57.5	59.2	61.7	56.2	57.0	58.7	61.2	54.8	55.6	57.2	59.8	52.2	53.0	54.7	57.3	49.2	50.0	51.6	54.2	46.4	47.2	48.8	51.4	
		S/T	0.75	0.68	0.55	0.4	0.76	0.69	0.56	0.4	1.00	0.71	0.58	0.4	1.00	0.73	0.60	0.5	1.00	0.75	0.62	0.5	1.00	0.80	0.67	0.5	
	1500	ΔT	24.47	22.49	18.81	15.0	24.41	22.44	18.76	14.9	24.69	22.72	19.04	15.2	24.39	22.42	18.74	14.9	24.13	22.16	18.47	14.7	25.36	23.39	19.71	15.9	
		kW	3.70	3.69	3.68	3.7	4.16	4.16	4.15	4.2	4.68	4.67	4.67	4.7	5.24	5.24	5.23	5.3	5.87	5.86	5.86	5.9	6.60	6.60	6.59	6.6	
		Amps	13.70	13.68	13.65	13.8	15.72	15.70	15.67	15.8	17.97	17.96	17.92	18.1	20.41	20.40	20.36	20.5	23.14	23.12	23.09	23.2	26.34	26.32	26.29	26.4	
1700	HiPR	284	285	287	292.3	329	330	332	336.7	375	376	378	383.3	425	427	428	433.4	479	481	483	487.4	537	538	540	545.1		
	LoPR	122	123	127	131.6	129	131	134	138.9	136	137	140	145.3	141	143	146	150.8	146	148	151	156.1	153	155	158	162.7		
	MBh	57.6	58.3	60.0	62.6	57.0	57.8	59.5	62.1	55.6	56.4	58.0	60.6	53.1	53.9	55.5	58.1	50.0	50.8	52.5	55.0	47.2	48.0	49.7	52.2		
1900	S/T	0.78	0.71	0.58	0.4	0.79	0.72	0.59	0.5	1.00	0.74	0.61	0.5	1.00	0.76	0.63	0.5	1.00	0.78	0.65	0.5	1.00	1.00	0.70	0.6		
	ΔT	23.52	21.55	17.86	14.1	23.46	21.49	17.81	14.0	23.74	21.77	18.09	14.3	23.44	21.47	17.79	14.0	23.18	21.21	17.53	13.7	24.42	22.44	18.76	14.9		
	kW	3.71	3.71	3.70	3.7	4.18	4.18	4.17	4.2	4.70	4.69	4.69	4.7	5.26	5.26	5.25	5.3	5.89	5.88	5.87	5.9	6.62	6.62	6.61	6.6		
1500	Amps	13.78	13.76	13.73	13.9	15.80	15.78	15.75	15.9	18.05	18.04	18.00	18.2	20.50	20.48	20.44	20.6	23.22	23.21	23.17	23.3	26.42	26.41	26.37	26.5		
	HiPR	286	288	290	294.5	331	332	334	338.9	377	379	381	385.5	427	429	431	435.6	482	483	485	489.6	539	540	542	547.3		
	LoPR	124	125	128	133.5	131	133	136	140.8	138	139	142	147.2	143	144	147	152.6	148	150	153	157.9	155	156	159	164.6		

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 5-7 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI (TVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 KW = Total system power

EXPANDED COOLING DATA — APHH56031 HIGH STAGE (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																													
		65					75					85					95					105					115				
		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	56.3	57.1	58.8	61.3	65.8	55.8	56.6	58.3	60.8	65.3	54.4	55.1	56.8	59.4	63.9	51.8	52.6	54.3	56.9	61.4	48.8	49.6	51.2	53.8	58.3	46.0	46.8	48.4	51.0	55.5
	S/T	0.82	0.75	0.62	0.5	0.3	1.00	0.75	0.63	0.5	0.4	1.00	0.78	0.65	0.5	0.4	1.00	0.80	0.67	0.5	0.4	1.00	1.00	0.78	0.6	0.5	1.00	1.00	0.74	0.6	0.5
	ΔT	29.95	27.97	24.29	20.5	16.8	29.89	27.92	24.24	20.4	16.7	30.17	28.20	24.51	20.7	16.6	29.87	27.90	24.22	20.4	16.5	29.61	27.64	23.95	20.1	16.4	30.84	28.87	25.19	21.4	17.7
	kW	3.67	3.67	3.66	3.7	3.7	4.14	4.14	4.14	4.2	4.2	4.66	4.65	4.65	4.7	4.7	5.22	5.22	5.21	5.2	5.2	5.85	5.84	5.84	5.9	5.9	6.58	6.58	6.57	6.6	6.6
	Amps	13.61	13.59	13.56	13.7	13.7	15.63	15.61	15.58	15.7	15.7	17.88	17.87	17.83	18.0	18.0	20.32	20.31	20.27	20.4	20.4	23.05	23.04	23.00	23.2	23.2	26.25	26.23	26.20	26.4	26.4
	Hi-PR	282	284	286	290.6	292.8	327	328	330	335.0	337.2	373	375	377	381.5	383.8	424	425	427	431.7	434.0	478	479	481	485.7	488.0	535	536	538	543.4	545.6
	Lo-PR	121	122	125	130.5	133.8	128	130	133	137.8	141.1	135	136	139	144.2	147.5	140	141	145	149.6	152.9	145	147	150	154.9	158.2	152	153	156	161.6	164.9
	MBh	57.0	57.8	59.5	62.0	65.5	56.5	57.3	59.0	61.5	65.0	55.1	55.8	57.5	60.1	63.6	52.5	53.3	55.0	57.6	61.1	49.5	50.3	51.9	54.5	58.0	46.7	47.5	49.1	51.7	55.2
	S/T	1.00	0.80	0.67	0.5	0.4	1.00	0.81	0.68	0.5	0.4	1.00	0.83	0.70	0.6	0.5	1.00	0.85	0.72	0.6	0.5	1.00	1.00	0.74	0.6	0.5	1.00	1.00	0.79	0.7	0.6
	ΔT	28.83	26.86	23.18	19.4	15.7	28.78	26.81	23.12	19.3	15.6	29.05	27.08	23.40	19.6	15.5	28.76	26.79	23.10	19.3	15.4	28.49	26.52	22.84	19.0	15.3	29.73	27.76	24.07	20.3	21.6
kW	3.70	3.69	3.69	3.7	3.7	4.16	4.16	4.15	4.2	4.2	4.68	4.68	4.67	4.7	4.7	5.24	5.24	5.23	5.3	5.3	5.87	5.87	5.86	5.9	5.9	6.61	6.60	6.59	6.6	6.6	
Amps	13.71	13.69	13.66	13.8	13.8	15.73	15.71	15.68	15.8	15.8	17.98	17.97	17.93	18.1	18.1	20.42	20.41	20.37	20.5	20.5	23.15	23.13	23.10	23.3	23.3	26.35	26.33	26.30	26.5	26.5	
Hi-PR	285	286	288	292.8	295.0	329	330	332	337.2	339.5	376	377	379	383.8	386.1	426	427	429	433.9	436.2	480	481	483	487.9	490.2	538	539	541	545.6	547.9	
Lo-PR	122	124	127	132.2	135.5	130	131	134	139.5	142.8	136	138	141	145.9	149.2	142	143	146	151.3	154.6	147	148	151	156.6	160.0	154	155	158	163.3	166.6	
MBh	57.8	58.6	60.3	62.9	66.4	57.3	58.1	59.8	62.4	65.9	55.9	56.7	58.3	60.9	64.4	53.4	54.2	55.8	58.4	61.9	50.3	51.1	52.8	55.3	58.8	47.5	48.3	49.9	52.5	56.0	
S/T	1.00	0.83	0.70	0.6	0.5	1.00	0.84	0.71	0.6	0.5	1.00	0.86	0.73	0.6	0.5	1.00	0.88	0.75	0.6	0.5	1.00	1.00	0.77	0.6	0.5	1.00	1.00	0.82	0.7	0.6	
ΔT	27.88	25.91	22.23	18.4	14.7	27.83	25.86	22.18	18.4	14.6	28.11	26.13	22.45	18.6	14.5	27.81	25.84	22.16	18.3	14.4	27.55	25.57	21.89	18.1	14.3	28.78	26.81	23.13	19.3	20.6	
kW	3.72	3.71	3.71	3.7	3.7	4.18	4.18	4.17	4.2	4.2	4.70	4.70	4.69	4.7	4.7	5.26	5.26	5.25	5.3	5.3	5.89	5.88	5.88	5.9	5.9	6.62	6.62	6.61	6.6	6.6	
Amps	13.79	13.77	13.74	13.9	13.9	15.81	15.79	15.76	15.9	15.9	18.07	18.05	18.01	18.2	18.2	20.51	20.49	20.46	20.6	20.6	23.23	23.22	23.18	23.3	23.3	26.43	26.42	26.38	26.5	26.5	
Hi-PR	287	288	290	295.0	297.2	331	333	335	339.4	341.7	378	379	381	386.0	388.3	428	429	431	436.1	438.4	482	483	485	490.1	492.4	540	541	543	547.8	550.1	
Lo-PR	124	126	129	134.0	137.3	132	133	136	141.3	144.6	138	140	143	147.7	151.0	143	145	148	153.1	156.4	149	150	153	158.4	161.7	155	157	160	165.1	168.4	
MBh	57.3	58.1	59.7	62.3	65.8	56.8	57.6	59.2	61.8	65.3	55.3	56.1	57.8	60.3	63.8	52.8	53.6	55.2	57.8	61.3	49.7	50.5	52.2	54.7	58.2	46.9	47.7	49.4	51.9	55.4	
S/T	1.00	0.84	0.72	0.6	0.5	1.00	0.85	0.72	0.6	0.5	1.00	1.00	0.75	0.6	0.5	1.00	1.00	0.76	0.6	0.5	1.00	1.00	0.78	0.6	0.5	1.00	1.00	0.83	0.7	0.6	
ΔT	33.82	31.84	28.16	24.3	20.6	33.76	31.79	28.11	24.3	20.5	34.04	32.07	28.39	24.6	20.4	33.74	31.77	28.09	24.3	20.3	33.48	31.51	27.83	24.0	20.2	34.71	32.74	29.06	25.2	26.5	
kW	3.68	3.68	3.67	3.7	3.7	4.15	4.14	4.14	4.2	4.2	4.67	4.66	4.66	4.7	4.7	5.23	5.22	5.22	5.3	5.3	5.86	5.85	5.84	5.9	5.9	6.59	6.59	6.58	6.6	6.6	
Amps	13.65	13.63	13.60	13.8	13.8	15.67	15.65	15.62	15.8	15.8	17.92	17.91	17.87	18.0	18.0	20.36	20.35	20.31	20.5	20.5	23.09	23.07	23.04	23.2	23.2	26.29	26.27	26.24	26.4	26.4	
Hi-PR	284	285	287	291.9	294.1	328	329	331	336.3	338.6	375	376	378	382.9	385.2	425	426	428	433.0	435.3	479	480	482	487.0	489.3	537	538	540	544.7	547.0	
Lo-PR	123	124	127	132.3	135.6	130	131	134	139.6	142.9	136	138	141	146.0	149.3	142	143	146	151.4	154.7	147	149	152	157.7	161.0	154	155	158	163.4	166.7	
MBh	58.0	58.7	60.4	63.0	66.5	57.5	58.2	59.9	62.5	66.0	56.0	56.8	58.5	61.0	64.5	53.5	54.3	55.9	58.5	62.0	50.4	51.2	52.9	55.4	58.9	47.6	48.4	50.1	52.6	56.1	
S/T	1.00	0.90	0.77	0.6	0.5	1.00	0.90	0.77	0.6	0.5	1.00	1.00	0.80	0.7	0.6	1.00	1.00	0.82	0.7	0.6	1.00	1.00	0.84	0.7	0.6	1.00	1.00	1.00	0.8	0.7	
ΔT	32.70	30.73	27.05	23.2	19.5	32.65	30.68	26.99	23.2	19.4	32.93	30.95	27.27	23.5	19.3	32.63	30.66	26.97	23.2	19.2	32.36	30.39	26.71	22.9	18.7	33.60	31.63	27.95	24.1	25.4	
kW	3.71	3.70	3.69	3.7	3.7	4.17	4.17	4.16	4.2	4.2	4.69	4.69	4.68	4.7	4.7	5.25	5.25	5.24	5.3	5.3	5.88	5.87	5.87	5.9	5.9	6.61	6.61	6.60	6.6	6.6	
Amps	13.75	13.73	13.69	13.8	13.8	15.77	15.75	15.72	15.9	15.9	18.02	18.00	17.97	18.1	18.1	20.46	20.45	20.41	20.6	20.6	23.19	23.17	23.14	23.3	23.3	26.39	26.37	26.34	26.5	26.5	
Hi-PR	286	287	289	294.1	296.3	330	332	334	338.6	340.9	377	378	380	385.1	387.4	427	428	430	435.2	437.5	481	482	484	489.3	491.6	539	540	542	546.9	549.2	
Lo-PR	124	126	129	134.0	137.3	132	133	136	141.3	144.6	138	139	143	147.7	151.0	143	145	148	153.1	156.4	149	150	153	158.4	161.7	155	157	160	165.1	168.4	
MBh	58.8	59.6	61.2	63.8	67.3	58.3	59.1	60.7	63.3	66.8	56.8	57.6	59.3	61.8	65.3	54.3	55.1	56.8	59.3	62.8	51.2	52.0	53.7	56.2	59.7	48.4	49.2	50.9	53.4	56.9	
S/T	1.00	0.93	0.80	0.7	0.6	1.00	0.93	0.80	0.7	0.6	1.00	1.00	0.83	0.7	0.6	1.00	1.00	0.85	0.7	0.6	1.00	1.00	0.87	0.7	0.6	1.00	1.00	1.00	0.8	0.7	
ΔT	31.75	29.78	26.10	22.3	18.6	31.70	29.73	26.05	22.2	18.4	31.98	30.01	26.32	22.5	18.3	31.68	29.71	26.03	22.2	18.2	31.42	29.45	25.76	21.9	17.7	32.65	30.68	27.00	23.2	24.5	
kW	3.73	3.72	3.71	3.7	3.7	4.19	4.19	4.18	4.2	4.2	4.71	4.71	4.70	4.7	4.7	5.27	5.27	5.26	5.3	5.3	5.90	5.89	5.89	5.9	5.9	6.63	6.63	6.62	6.7	6.7	
Amps	13.83	13.81	13.78	13.9	13.9	15.85	15.83	15.80	16.0	16.0	18.10	18.09	18.05	18.2	18.2	20.54	20.53	20.49	20.6	20.6	23.27	23.26	23.22	23.4	23.4	26.47	26.45	26.42	26.6	26.6	
Hi-PR	288	289	291	296.3	298.5	333	334	336	340.8	343.1	379	380	382	387.3	389.6	429	431	433	437.4	439.7	483	485	487	491.5	493.8	541	542	544	549.1	551	

EXPANDED COOLING DATA — APHH56031 LOW STAGE

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE											
		65				75				85				95				105				115			
		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	40.0	40.5	41.7	-	39.6	40.2	41.4	-	38.5	39.1	40.3	-	36.7	37.3	38.5	-	34.5	35.1	36.3	-	32.5	33.1	34.3	-
	S/T	0.54	0.47	0.33	-	0.55	0.47	0.34	-	0.57	0.50	0.36	-	0.59	0.52	0.38	-	1.00	0.54	0.41	-	1.00	0.59	0.46	-
	ΔT	21.40	19.50	15.94	-	21.35	19.44	15.89	-	21.61	19.71	16.16	-	21.33	19.42	15.87	-	21.07	19.17	15.62	-	22.26	20.36	16.81	-
	kW	2.30	2.30	2.29	-	2.59	2.59	2.59	-	2.92	2.92	2.91	-	3.27	3.27	3.26	-	3.67	3.66	3.66	-	4.13	4.13	4.12	-
	Amps	8.51	8.50	8.48	-	9.78	9.77	9.75	-	11.20	11.19	11.17	-	12.73	12.72	12.70	-	14.45	14.44	14.42	-	16.46	16.45	16.43	-
	Hi/PR	268	269	271	-	310	311	313	-	355	356	358	-	403	404	406	-	454	455	457	-	509	511	512	-
Lo/PR	122	124	127	-	130	132	135	-	137	138	141	-	142	144	147	-	148	149	152	-	154	156	159	-	
70	MBh	40.8	41.3	42.5	-	40.4	41.0	42.2	-	39.4	39.9	41.1	-	37.5	38.1	39.3	-	35.3	35.9	37.1	-	33.3	33.9	35.1	-
	S/T	0.65	0.57	0.44	-	0.65	0.58	0.45	-	0.68	0.60	0.47	-	1.00	0.62	0.49	-	1.00	0.60	0.51	-	1.00	0.70	0.56	-
	ΔT	19.43	17.52	13.97	-	19.37	17.47	13.92	-	19.64	17.74	14.19	-	19.35	17.45	13.90	-	19.10	17.20	13.64	-	20.29	18.39	14.84	-
	kW	2.33	2.32	2.32	-	2.62	2.62	2.61	-	2.94	2.94	2.94	-	3.30	3.30	3.29	-	3.69	3.69	3.68	-	4.16	4.15	4.15	-
	Amps	8.62	8.61	8.59	-	9.89	9.88	9.86	-	11.31	11.30	11.28	-	12.85	12.84	12.82	-	14.56	14.55	14.53	-	16.57	16.56	16.54	-
	Hi/PR	271	273	275	-	314	315	317	-	358	360	361	-	406	407	409	-	458	459	461	-	513	514	516	-
Lo/PR	125	127	130	-	133	134	138	-	139	141	144	-	145	147	150	-	150	152	155	-	157	159	162	-	
70	MBh	41.8	42.4	43.6	-	41.5	42.0	43.2	-	40.4	41.0	42.2	-	38.6	39.2	40.4	-	36.4	37.0	38.2	-	34.4	35.0	36.2	-
	S/T	0.69	0.62	0.48	-	0.70	0.62	0.49	-	0.72	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.69	0.56	-	1.00	0.74	0.61	-
	ΔT	17.93	16.03	12.48	-	17.88	15.98	12.43	-	18.15	16.25	12.69	-	17.86	15.96	12.41	-	17.61	15.70	12.15	-	18.80	16.90	13.34	-
	kW	2.35	2.34	2.34	-	2.64	2.64	2.63	-	2.96	2.96	2.96	-	3.32	3.31	3.31	-	3.71	3.71	3.70	-	4.17	4.17	4.17	-
	Amps	8.71	8.70	8.68	-	9.98	9.97	9.95	-	11.40	11.39	11.37	-	12.93	12.92	12.90	-	14.65	14.64	14.62	-	16.66	16.65	16.63	-
	Hi/PR	275	276	278	-	317	319	321	-	362	363	365	-	410	411	413	-	462	463	465	-	517	518	520	-
Lo/PR	129	130	133	-	136	138	141	-	143	144	147	-	148	150	153	-	154	155	158	-	161	162	165	-	
75	MBh	40.0	40.5	41.7	43.6	39.6	40.2	41.4	43.2	38.6	39.1	40.3	42.2	36.8	37.3	38.5	40.4	34.6	35.1	36.3	38.2	32.5	33.1	34.3	36.1
	S/T	0.67	0.59	0.46	0.3	0.67	0.60	0.47	0.3	1.00	0.62	0.49	0.4	1.00	0.64	0.51	0.4	1.00	0.66	0.53	0.4	1.00	1.00	0.58	0.4
	ΔT	25.58	23.68	20.13	16.4	25.53	23.63	20.07	16.4	25.80	23.89	20.34	16.7	25.51	23.61	20.05	16.4	25.26	23.35	19.80	16.1	26.45	24.54	20.99	17.3
	kW	2.30	2.30	2.29	2.3	2.59	2.59	2.58	2.6	2.92	2.91	2.91	2.9	3.27	3.27	3.26	3.3	3.66	3.66	3.66	3.7	4.13	4.12	4.12	4.1
	Amps	8.50	8.49	8.47	8.6	9.77	9.76	9.74	9.8	11.19	11.18	11.16	11.3	12.73	12.72	12.69	12.8	14.44	14.43	14.41	14.5	16.45	16.44	16.42	16.5
	Hi/PR	268	269	271	275.7	310	312	313	318.1	355	356	358	362.6	403	404	406	410.6	454	456	458	462.2	510	511	513	517.3
Lo/PR	123	124	127	132.5	130	132	135	140.0	137	138	141	146.6	142	144	147	152.1	148	149	152	157.6	154	156	159	164.4	
75	MBh	40.8	41.4	42.6	44.4	40.4	41.0	42.2	44.0	39.4	39.9	41.1	43.0	37.6	38.1	39.3	41.2	35.4	35.9	37.1	39.0	33.3	33.9	35.1	36.9
	S/T	0.77	0.70	0.57	0.4	0.78	0.71	0.57	0.4	1.00	0.73	0.60	0.5	1.00	0.75	0.62	0.5	1.00	0.77	0.64	0.5	1.00	1.00	0.69	0.5
	ΔT	23.61	21.71	18.15	14.5	23.56	21.65	18.10	14.4	23.83	21.92	18.37	14.7	23.54	21.64	18.08	14.4	23.28	21.38	17.83	14.1	24.48	22.57	19.02	15.3
	kW	2.32	2.32	2.32	2.3	2.62	2.61	2.61	2.6	2.94	2.94	2.94	3.0	3.30	3.29	3.29	3.3	3.69	3.69	3.68	3.7	4.15	4.15	4.15	4.2
	Amps	8.61	8.60	8.58	8.7	9.89	9.88	9.85	10.0	11.30	11.29	11.27	11.4	12.84	12.83	12.81	12.9	14.55	14.54	14.52	14.6	16.57	16.56	16.53	16.6
	Hi/PR	272	273	275	279.4	314	315	317	321.9	359	360	362	366.4	407	408	410	414.3	458	459	461	466.0	513	515	516	521.1
Lo/PR	125	127	130	135.3	133	134	138	142.8	139	141	144	149.4	145	147	150	155.0	151	152	155	160.4	157	159	162	167.3	
75	MBh	41.9	42.4	43.6	45.5	41.5	42.1	43.3	45.1	40.4	41.0	42.2	44.1	38.6	39.2	40.4	42.2	36.4	37.0	38.2	40.0	34.4	35.0	36.2	38.0
	S/T	0.82	0.74	0.61	0.5	1.00	0.75	0.62	0.5	1.00	0.77	0.64	0.5	1.00	0.79	0.66	0.5	1.00	1.00	0.68	0.5	1.00	1.00	0.73	0.6
	ΔT	22.12	20.21	16.66	13.0	22.07	20.16	16.61	12.9	22.33	20.43	16.88	13.2	22.05	20.14	16.59	12.9	21.79	19.89	16.34	12.7	22.98	21.08	17.53	13.8
	kW	2.34	2.34	2.34	2.4	2.64	2.63	2.63	2.7	2.96	2.96	2.96	3.0	3.32	3.31	3.31	3.3	3.71	3.71	3.70	3.7	4.17	4.17	4.17	4.2
	Amps	8.70	8.69	8.67	8.8	9.97	9.96	9.94	10.0	11.39	11.38	11.36	11.5	12.92	12.91	12.89	13.0	14.64	14.63	14.61	14.7	16.65	16.64	16.62	16.7
	Hi/PR	275	276	278	283.0	318	319	321	325.5	362	363	365	370.0	410	411	413	417.9	462	463	465	469.6	517	518	520	524.7
Lo/PR	129	130	133	138.7	136	138	141	146.2	143	144	147	152.8	148	150	153	158.3	154	155	159	163.8	161	162	165	170.6	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 5-7 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI (TVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

EXPANDED COOLING DATA — APHH56031 LOW STAGE (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												105												115												
		65						75						85						95						105						115						
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	
ENTERING INDOOR WET BULB TEMPERATURE																																						
80	MBh	40.2	40.8	42.0	43.8	39.8	40.4	41.6	43.4	38.8	39.3	40.5	42.4	37.0	37.5	38.7	40.6	34.8	35.3	36.5	38.4	32.7	33.3	34.5	36.4	37.0	37.5	38.7	40.6	34.8	35.3	36.5	38.4	32.7	33.3	34.5	36.4	
	S/T	1.00	0.71	0.58	0.4	1.00	0.72	0.59	0.4	1.00	0.74	0.61	0.5	1.00	0.76	0.63	0.5	1.00	1.00	1.00	0.65	0.5	1.00	1.00	0.70	0.6	1.00	0.76	0.63	0.5	1.00	1.00	0.76	0.6	1.00	1.00	0.70	0.6
	ΔT	29.79	27.89	24.34	20.7	29.74	27.84	24.29	20.6	30.01	28.11	24.55	20.9	29.72	27.82	24.27	20.6	29.47	27.57	24.01	20.3	30.66	28.76	25.20	21.5	29.72	27.82	24.27	20.6	29.47	27.57	24.01	20.3	30.66	28.76	25.20	21.5	
	kW	2.30	2.30	2.29	2.3	2.59	2.59	2.58	2.6	2.92	2.92	2.91	2.9	3.27	3.27	3.26	3.3	3.67	3.66	3.66	3.7	4.13	4.13	4.12	4.1	3.27	3.27	3.26	3.3	3.67	3.66	3.66	3.7	4.13	4.13	4.12	4.1	
	Amps	8.51	8.50	8.48	8.6	9.78	9.77	9.75	9.8	11.20	11.19	11.17	11.3	12.73	12.72	12.70	12.8	14.45	14.44	14.44	14.5	16.46	16.45	16.43	16.5	12.73	12.72	12.70	12.8	14.45	14.44	14.44	14.5	16.46	16.45	16.43	16.5	
	Hi-PR	268	270	271	276.2	311	312	314	318.6	355	357	358	363.1	403	404	406	411.1	455	456	458	462.7	510	511	513	517.8	403	404	406	411.1	455	456	458	462.7	510	511	513	517.8	
	Lo-PR	123	125	128	133.0	131	132	135	140.5	137	139	142	147.1	143	144	147	152.7	148	150	153	158.1	155	157	160	165.0	143	144	147	152.7	148	150	153	158.1	155	157	160	165.0	
	MBh	41.0	41.6	42.8	44.6	40.6	41.2	42.4	44.2	39.6	40.2	41.4	43.2	37.8	38.3	39.5	41.4	35.6	36.1	37.3	39.2	33.5	34.1	35.3	37.2	37.8	38.3	39.5	41.4	35.6	36.1	37.3	39.2	33.5	34.1	35.3	37.2	
	S/T	1.00	0.82	0.69	0.6	1.00	0.83	0.70	0.6	1.00	0.85	0.72	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.81	0.7	
	ΔT	27.82	25.92	22.37	18.7	27.77	25.87	22.31	18.6	28.04	26.13	22.58	18.9	27.75	25.85	22.29	18.6	27.50	25.59	22.04	18.4	28.69	26.78	23.23	19.6	27.75	25.85	22.29	18.6	27.50	25.59	22.04	18.4	28.69	26.78	23.23	19.6	
	kW	2.33	2.32	2.32	2.3	2.62	2.62	2.61	2.6	2.94	2.94	2.94	3.0	3.30	3.30	3.29	3.3	3.69	3.69	3.68	3.7	4.15	4.15	4.15	4.2	3.30	3.30	3.29	3.3	3.69	3.69	3.68	3.7	4.15	4.15	4.15	4.2	
	Amps	8.62	8.61	8.59	8.7	9.89	9.88	9.86	10.0	11.31	11.30	11.28	11.4	12.85	12.84	12.81	12.9	14.56	14.55	14.53	14.6	16.57	16.56	16.54	16.6	12.85	12.84	12.81	12.9	14.56	14.55	14.53	14.6	16.57	16.56	16.54	16.6	
Hi-PR	272	273	275	279.9	315	316	318	322.4	359	360	362	366.9	407	408	410	414.8	459	460	462	466.5	514	515	517	521.6	407	408	410	414.8	459	460	462	466.5	514	515	517	521.6		
Lo-PR	126	127	131	135.9	133	135	138	143.4	140	142	145	150.0	146	147	150	155.5	151	153	156	161.0	158	159	163	167.8	146	147	150	155.5	151	153	156	161.0	158	159	163	167.8		
MBh	42.1	42.6	43.8	45.7	41.7	42.3	43.5	45.3	40.7	41.2	42.4	44.3	38.9	39.4	40.6	42.5	36.6	37.2	38.4	40.2	34.6	35.2	36.4	38.2	38.9	39.4	40.6	42.5	36.6	37.2	38.4	40.2	34.6	35.2	36.4	38.2		
S/T	1.00	0.86	0.73	0.6	1.00	0.87	0.74	0.6	1.00	0.89	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.78	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.85	0.7		
ΔT	26.33	24.43	20.87	17.2	26.28	24.37	20.82	17.1	26.55	24.64	21.09	17.4	26.26	24.36	20.80	17.1	26.00	24.10	20.55	16.9	27.20	25.29	21.74	18.1	26.26	24.36	20.80	17.1	26.00	24.10	20.55	16.9	27.20	25.29	21.74	18.1		
kW	2.35	2.34	2.34	2.4	2.64	2.64	2.63	2.7	2.96	2.96	2.96	3.0	3.32	3.31	3.31	3.3	3.71	3.71	3.70	3.7	4.17	4.17	4.17	4.2	3.32	3.31	3.31	3.3	3.71	3.71	3.70	3.7	4.17	4.17	4.17	4.2		
Amps	8.71	8.70	8.67	8.8	9.98	9.97	9.95	10.0	11.40	11.39	11.36	11.5	12.93	12.92	12.90	13.0	14.65	14.64	14.61	14.7	16.66	16.65	16.63	16.7	12.93	12.92	12.90	13.0	14.65	14.64	14.61	14.7	16.66	16.65	16.63	16.7		
Hi-PR	276	277	279	283.5	318	319	321	326.0	363	364	366	370.5	411	412	414	418.4	462	463	465	470.0	517	519	520	525.2	411	412	414	418.4	462	463	465	470.0	517	519	520	525.2		
Lo-PR	129	131	134	139.2	137	138	141	146.7	143	145	148	153.3	149	150	154	158.9	154	156	159	164.3	161	163	166	171.2	149	150	154	158.9	154	156	159	164.3	161	163	166	171.2		
85	MBh	40.9	41.4	42.6	44.5	40.5	41.1	42.3	44.1	39.5	40.0	41.2	43.1	37.6	38.2	39.4	41.3	35.4	36.0	37.2	39.0	33.4	34.0	35.2	37.0	37.6	38.2	39.4	41.3	35.4	36.0	37.2	39.0	33.4	34.0	35.2	37.0	
	S/T	1.00	0.81	0.68	0.5	1.00	0.82	0.69	0.5	1.00	1.00	0.71	0.6	1.00	1.00	0.73	0.6	1.00	1.00	0.75	0.6	1.00	1.00	1.00	0.7	1.00	1.00	0.73	0.6	1.00	1.00	0.75	0.6	1.00	1.00	1.00	0.7	
	ΔT	33.53	31.63	28.07	24.4	33.48	31.58	28.02	24.3	33.75	31.84	28.29	24.6	33.46	31.56	28.00	24.3	33.20	31.30	27.75	24.1	34.40	32.49	28.94	25.3	33.46	31.56	28.00	24.3	33.20	31.30	27.75	24.1	34.40	32.49	28.94	25.3	
	kW	2.31	2.30	2.30	2.3	2.60	2.60	2.59	2.6	2.92	2.92	2.92	2.9	3.28	3.27	3.27	3.3	3.67	3.67	3.66	3.7	4.13	4.13	4.13	4.1	3.28	3.27	3.27	3.3	3.67	3.67	3.66	3.7	4.13	4.13	4.13	4.1	
	Amps	8.53	8.52	8.50	8.6	9.80	9.79	9.77	9.9	11.22	11.21	11.19	11.3	12.76	12.75	12.73	12.8	14.47	14.46	14.44	14.5	16.48	16.47	16.45	16.5	12.76	12.75	12.73	12.8	14.47	14.46	14.44	14.5	16.48	16.47	16.45	16.5	
	Hi-PR	270	271	273	277.4	312	313	315	319.9	357	358	360	364.4	405	406	408	412.3	456	457	459	464.0	511	513	514	519.1	405	406	408	412.3	456	457	459	464.0	511	513	514	519.1	
	Lo-PR	125	126	130	134.9	132	134	137	142.4	139	141	144	149.0	145	146	149	154.5	150	152	155	160.0	157	158	162	166.8	145	146	149	154.5	150	152	155	160.0	157	158	162	166.8	
	MBh	41.7	42.2	43.4	45.3	41.3	41.9	43.1	44.9	40.3	40.8	42.0	43.9	38.5	39.0	40.2	42.1	36.2	36.8	38.0	39.8	34.2	34.8	36.0	37.8	38.5	39.0	40.2	42.1	36.2	36.8	38.0	39.8	34.2	34.8	36.0	37.8	
	S/T	1.00	0.92	0.79	0.6	1.00	1.00	0.79	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	1.00	0.8	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	1.00	0.8	
	ΔT	31.56	29.65	26.10	22.4	31.51	29.60	26.05	22.4	31.77	29.87	26.32	22.6	31.49	29.58	26.03	22.3	31.23	29.33	25.78	22.1	32.42	30.52	26.97	23.3	31.49	29.58	26.03	22.3	31.23	29.33	25.78	22.1	32.42	30.52	26.97	23.3	
	kW	2.33	2.33	2.32	2.3	2.62	2.62	2.62	2.6	2.95	2.95	2.94	3.0	3.30	3.30	3.30	3.3	3.70	3.70	3.69	3.7	4.16	4.16	4.15	4.2	3.30	3.30	3.30	3.3	3.70	3.70	3.69	3.7	4.16	4.16	4.15	4.2	
	Amps	8.65	8.64	8.61	8.7	9.92	9.91	9.88	10.0	11.34	11.33	11.30	11.4	12.87	12.86	12.84	12.9	14.59	14.58	14.55	14.7	16.60	16.59	16.57	16.7	12.87	12.86	12.84	12.9	14.59	14.58	14.55	14.7	16.60	16.59	16.57	16.7	
Hi-PR	273	275	277	281.2	316	317	319	323.7	360	362	363	368.2	408	409	411	416.1	460	461	463	467.7	515	516	518	522.9	408	409	411	416.1	460	461	463	467.7	515	516	518	522.9		
Lo-PR	128	129	132	137.7	135	137	140	145.2	142	143	147	151.8	147	149	152	157.4	153	154	158	162.8	160	161	164	169.7	147	149	15											

EXPANDED HEATING DATA

APHH52431 100 % Capacity

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	31.70	29.54	27.42	25.33	24.00	22.98	20.44	18.13	16.24	14.83	13.77	13.20	12.48	10.68	8.88	7.08	5.28
T/R	32.26	30.35	28.45	26.54	25.40	24.32	21.63	19.18	17.19	15.69	14.57	13.97	13.21	11.30	9.40	7.49	5.59
KW	1.89	1.85	1.81	1.78	1.76	1.74	1.71	1.67	1.64	1.60	1.57	1.55	1.53	1.50	1.46	1.43	1.39
AMPS	6.8	6.7	6.5	6.3	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.3	5.3	5.1	5.0	4.8	4.7
COP	4.93	4.68	4.43	4.17	4.00	3.86	3.50	3.17	2.90	2.71	2.57	2.50	2.39	2.09	1.78	1.45	1.11
Hi PR	394	382	369	356	348	343	330	317	305	292	279	271	266	253	240	228	215
LO PR	142	133	125	116	110	107	98	89	80	71	63	57	54	45	36	27	18

APHH53031 100 % Capacity

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	32.59	30.75	28.94	27.16	26.00	25.15	23.16	21.09	19.55	18.38	17.55	17.10	16.51	15.02	13.54	12.06	10.57
T/R	27.64	26.33	25.02	23.71	22.93	22.25	20.43	18.68	17.24	16.21	15.47	15.08	14.56	13.25	11.94	10.63	9.32
KW	2.03	2.01	2.00	1.98	1.97	1.97	1.95	1.94	1.92	1.91	1.89	1.88	1.88	1.86	1.85	1.83	1.82
AMPS	7.2	7.1	7.0	7.0	6.9	6.9	6.8	6.8	6.7	6.6	6.6	6.5	6.5	6.4	6.4	6.3	6.2
COP	4.71	4.48	4.24	4.01	3.86	3.75	3.48	3.19	2.98	2.82	2.72	2.66	2.58	2.36	2.15	1.93	1.70
Hi PR	402	388	375	362	355	349	336	323	310	297	284	276	271	258	245	232	219
LO PR	137	128	120	111	106	103	94	86	77	69	60	55	52	43	35	26	18

APHH53631 100 % Capacity

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	38.06	35.81	33.59	31.41	30.00	28.97	26.46	24.04	22.05	20.60	19.56	19.00	18.27	16.43	14.60	12.77	10.93
T/R	28.72	27.28	25.84	24.41	23.54	22.77	20.76	18.86	17.30	16.17	15.35	14.91	14.33	12.89	11.46	10.02	8.58
KW	2.56	2.52	2.48	2.44	2.42	2.40	2.36	2.32	2.28	2.24	2.20	2.18	2.16	2.12	2.08	2.04	2.00
AMPS	9.3	9.1	8.9	8.7	8.6	8.6	8.4	8.2	8.0	7.9	7.7	7.6	7.5	7.3	7.2	7.0	6.8
COP	4.36	4.17	3.97	3.77	3.64	3.54	3.29	3.04	2.84	2.70	2.61	2.56	2.48	2.27	2.06	1.84	1.60
Hi PR	375	363	351	339	331	327	314	302	290	278	265	258	253	241	229	217	204
LO PR	133	124	116	108	103	100	91	83	75	67	58	53	50	42	34	25	17

APHH53631 70 % Capacity

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	28.44	26.54	24.66	22.82	21.64	20.75	18.52	16.47	14.80	13.56	12.63	12.13	11.50	9.91	8.33	6.74	5.16
T/R	31.66	29.82	27.99	26.15	25.05	24.02	21.43	19.06	17.13	15.70	14.62	14.04	13.31	11.47	9.64	7.80	5.97
KW	1.57	1.52	1.47	1.42	1.40	1.38	1.33	1.28	1.23	1.19	1.14	1.11	1.09	1.04	1.00	0.95	0.90
AMPS	5.5	5.3	5.1	4.9	4.8	4.7	4.5	4.3	4.1	3.9	3.7	3.6	3.5	3.3	3.1	2.9	2.7
COP	5.32	5.12	4.91	4.70	4.55	4.42	4.08	3.77	3.52	3.35	3.25	3.20	3.09	2.78	2.45	2.08	1.67
Hi PR	364	352	340	328	321	316	305	293	281	269	257	250	245	234	222	210	198
LO PR	130	122	114	106	101	98	90	82	74	65	57	53	49	41	33	25	17

APHH54231 100 % Capacity

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	55.12	51.35	47.91	43.99	41.50	39.53	34.68	30.34	26.81	24.14	22.09	21.00	19.63	16.22	12.80	9.38	5.97
T/R	38.32	35.89	33.45	31.02	29.56	28.15	24.70	21.61	19.09	17.19	15.74	14.96	13.98	11.55	9.12	6.68	4.25
KW	3.66	3.58	3.51	3.43	3.38	3.35	3.27	3.19	3.11	3.03	2.95	2.90	2.87	2.79	2.71	2.63	2.55
AMPS	13.9	13.5	13.2	12.8	12.6	12.5	12.1	11.8	11.5	11.1	10.8	10.6	10.4	10.1	9.7	9.4	9.0
COP	4.41	4.20	4.01	3.76	3.60	3.46	3.11	2.79	2.53	2.33	2.19	2.12	2.00	1.70	1.38	1.04	0.68
Hi PR	393	380	368	355	347	342	329	317	304	291	278	270	265	253	240	227	214
LO PR	128	120	112	104	100	97	89	81	73	65	57	52	49	41	33	25	17

APHH54231

70 % Capacity

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	39.77	37.04	34.60	31.80	29.94	28.31	24.39	20.92	18.12	15.97	14.30	13.41	12.31	9.55	6.79	4.04	1.28
T/R	36.10	33.63	31.18	28.68	27.18	25.70	22.14	18.99	16.45	14.50	12.98	12.17	11.17	8.67	6.17	3.67	1.16
KW	2.23	2.16	2.08	2.00	1.95	1.92	1.84	1.76	1.69	1.61	1.53	1.48	1.45	1.37	1.30	1.22	1.14
AMPS	8.1	7.8	7.4	7.1	6.9	6.7	6.4	6.1	5.7	5.4	5.0	4.8	4.7	4.4	4.0	3.7	3.3
COP	5.22	5.04	4.88	4.66	4.50	4.32	3.88	3.48	3.15	2.91	2.74	2.65	2.48	2.04	1.54	0.97	0.33
Hi PR	381	369	356	344	336	332	319	307	294	282	270	262	257	245	232	220	208
LO PR	126	118	111	103	98	95	87	79	71	63	56	51	48	40	32	24	16

APHH54831

100 % Capacity

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	52.83	49.66	46.55	43.48	41.50	40.06	36.50	33.10	30.31	28.27	26.79	26.00	24.97	22.38	19.80	17.22	14.63
T/R	30.35	28.81	27.26	25.72	24.79	23.96	21.80	19.77	18.10	16.89	16.00	15.53	14.91	13.37	11.83	10.28	8.74
KW	3.37	3.35	3.33	3.32	3.31	3.30	3.28	3.26	3.25	3.23	3.21	3.20	3.19	3.18	3.16	3.14	3.13
AMPS	12.2	12.1	12.0	12.0	11.9	11.9	11.8	11.7	11.7	11.6	11.5	11.5	11.4	11.4	11.3	11.2	11.1
COP	4.60	4.34	4.09	3.84	3.68	3.56	3.26	2.97	2.74	2.57	2.44	2.38	2.29	2.06	1.84	1.61	1.37
Hi PR	370	358	346	334	326	321	309	297	285	273	261	254	249	237	225	213	201
LO PR	128	120	112	104	100	97	89	81	73	65	57	52	49	41	33	25	17

APHH54831

70 % Capacity

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	39.46	36.79	34.17	31.58	29.94	28.69	25.55	22.68	20.35	18.61	17.30	16.60	15.71	13.49	11.26	9.04	6.82
T/R	34.44	32.43	30.41	28.39	27.18	26.04	23.19	20.59	18.48	16.89	15.71	15.07	14.26	12.24	10.22	8.21	6.19
KW	2.07	2.03	1.98	1.94	1.91	1.89	1.85	1.80	1.75	1.71	1.66	1.64	1.62	1.57	1.53	1.48	1.43
AMPS	7.4	7.2	7.0	6.8	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.5	5.4	5.2	5.0	4.8	4.6
COP	5.58	5.32	5.05	4.78	4.60	4.45	4.06	3.69	3.40	3.19	3.05	2.98	2.85	2.52	2.16	1.79	1.39
Hi PR	358	347	335	323	316	312	300	288	277	265	253	246	242	230	218	207	195
LO PR	126	118	111	103	98	95	87	79	71	63	56	51	48	40	32	24	16

APHH56031

100 % Capacity

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	65.81	61.95	58.15	54.42	52.00	50.24	45.96	41.81	38.41	35.93	34.16	33.20	31.95	28.81	25.68	22.55	19.41
T/R	34.47	32.76	31.06	29.35	28.32	27.42	25.03	22.77	20.92	19.57	18.60	18.08	17.40	15.69	13.99	12.28	10.57
KW	4.30	4.28	4.26	4.24	4.23	4.23	4.21	4.19	4.17	4.15	4.13	4.12	4.12	4.10	4.08	4.06	4.04
AMPS	16.0	15.9	15.8	15.8	15.7	15.7	15.6	15.5	15.4	15.4	15.3	15.2	15.2	15.1	15.0	15.0	14.9
COP	4.49	4.24	4.00	3.76	3.60	3.48	3.20	2.93	2.70	2.54	2.42	2.36	2.27	2.06	1.85	1.63	1.41
Hi PR	407	394	381	367	359	354	341	328	314	301	288	280	275	261	248	235	222
LO PR	124	116	109	101	96	93	85	78	70	62	55	50	47	39	31	24	16

APHH56031

70 % Capacity

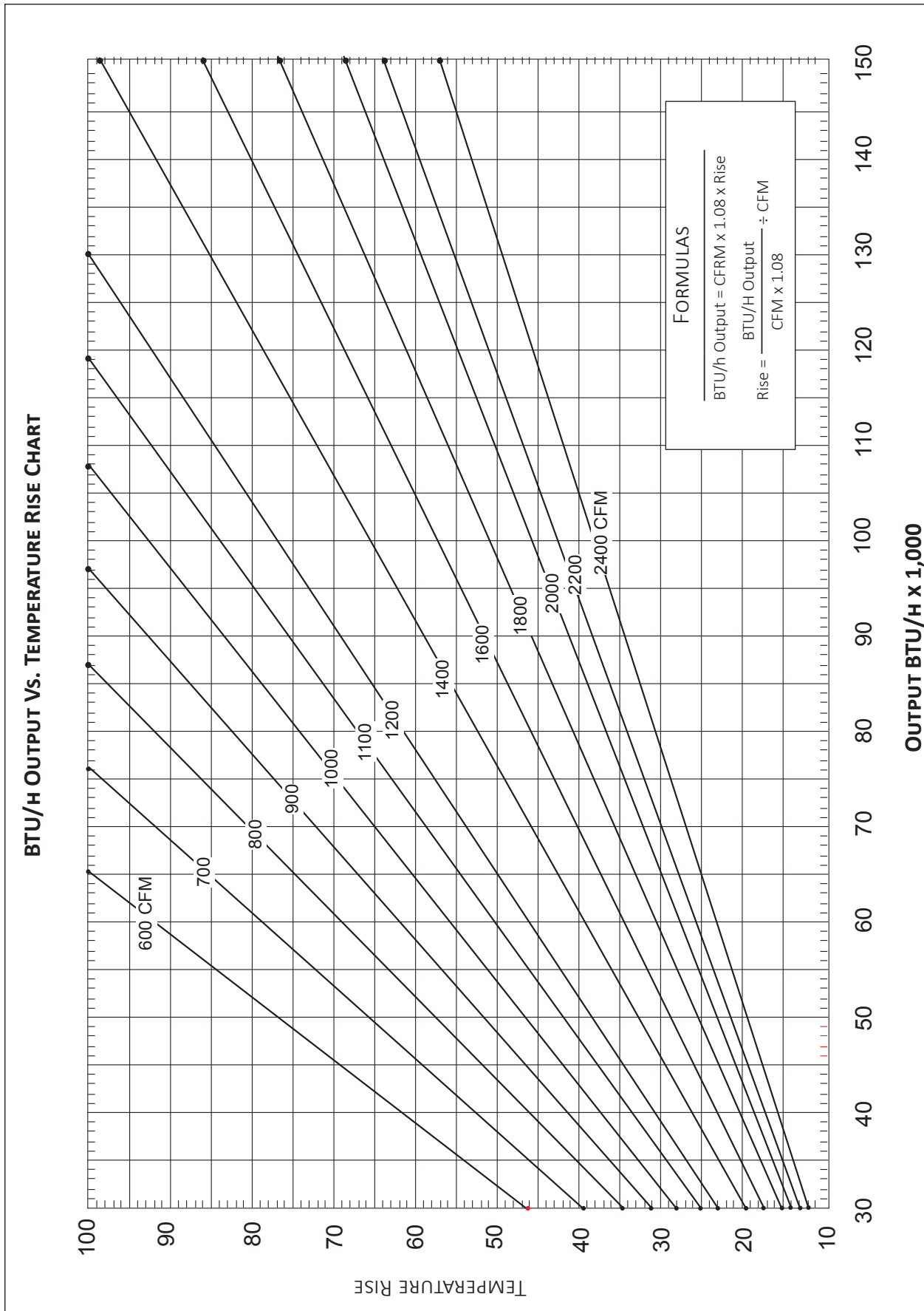
	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	49.20	45.92	42.70	39.54	37.51	35.99	32.15	28.64	25.78	23.65	22.05	21.20	20.11	17.39	14.67	11.95	9.23
T/R	35.04	33.03	31.01	29.00	27.79	26.66	23.82	21.22	19.10	17.52	16.33	15.70	14.90	12.88	10.87	8.85	6.84
KW	2.65	2.59	2.54	2.48	2.45	2.42	2.37	2.31	2.25	2.20	2.14	2.11	2.08	2.03	1.97	1.91	1.86
AMPS	9.5	9.3	9.0	8.8	8.6	8.6	8.3	8.1	7.8	7.6	7.3	7.2	7.1	6.8	6.6	6.3	6.1
COP	5.44	5.19	4.93	4.67	4.50	4.35	3.98	3.63	3.35	3.16	3.02	2.95	2.83	2.51	2.18	1.83	1.46
Hi PR	395	382	369	356	348	343	330	318	305	292	279	271	266	253	241	228	215
LO PR	122	114	107	99	95	91	84	76	69	61	54	49	46	38	31	23	16

Calculations are based on nominal CFM and 70 °F indoor dry bulb.

Note: Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature

Amps = Outdoor unit amps (comp.+fan)

kW = Total system power



APHH52431					
COOLING/ HP SPEED	ADJUST TAP	CFM*	ELECTRIC HEAT	ADJUST TAP	CFM*
A	Minus	698	A	Minus	698
	Normal	775		Normal	775
	Plus	853		Plus	853
B	Minus	788	B	Minus	788
	Normal**	875		Normal	875
	Plus	963		Plus	963
C	Minus	878	C	Minus	878
	Normal	975		Normal	975
	Plus	1073		Plus	1073
D	Minus	968	D	Minus	968
	Normal	1075		Normal	1075
	Plus	1183		Plus	1183

* - @ 0.1 - 0.8 ESP ** - Rated Cooling Speed

The Electric Heat airflow should not be less than the Cooling airflow selected during install.

APHH53031					
COOLING/ HP SPEED	ADJUST TAP	CFM*	ELECTRIC HEAT	ADJUST TAP	CFM*
A	Minus	855	A	Minus	855
	Normal	950		Normal	950
	Plus	1045		Plus	1045
B	Minus	945	B	Minus	945
	Normal**	1050		Normal	1050
	Plus	1155		Plus	1155
C	Minus	1035	C	Minus	1035
	Normal	1150		Normal	1150
	Plus	1265		Plus	1265
D	Minus	1125	D	Minus	1125
	Normal	1250		Normal	1250
	Plus	1375		Plus	1375

* - @ 0.1 - 0.8 ESP ** - Rated Cooling Speed

The Electric Heat airflow should not be less than the Cooling airflow selected during install.

APHH53631					
COOLING/ HP SPEED	ADJUST TAP	CFM*	ELECTRIC HEAT	ADJUST TAP	CFM*
A	Minus	990	A	Minus	990
	Normal	1100		Normal	1100
	Plus	1210		Plus	1210
B	Minus	1080	B	Minus	1080
	Normal**	1200		Normal	1200
	Plus	1320		Plus	1320
C	Minus	1170	C	Minus	1170
	Normal	1300		Normal	1300
	Plus	1430		Plus	1430
D	Minus	1260	D	Minus	1260
	Normal	1400		Normal	1400
	Plus	1540		Plus	1540

* - @ 0.1 - 0.8 ESP ** - Rated Cooling Speed

The Electric Heat airflow should not be less than the Cooling airflow selected during install.

APHH54231					
COOLING/ HP SPEED	ADJUST TAP	CFM*	ELECTRIC HEAT	ADJUST TAP	CFM*
A	Minus	1080	A	Minus	1080
	Normal	1200		Normal	1200
	Plus	1320		Plus	1320
B	Minus	1170	B	Minus	1170
	Normal**	1300		Normal	1300
	Plus	1430		Plus	1430
C	Minus	1260	C	Minus	1260
	Normal	1400		Normal	1400
	Plus	1540		Plus	1540
D	Minus	1350	D	Minus	1350
	Normal	1500		Normal	1500
	Plus	1650		Plus	1650

* - @ 0.1 - 0.8 ESP ** - Rated Cooling Speed

The Electric Heat airflow should not be less than the Cooling airflow selected during install.

APHH54831					
COOLING/ HP SPEED	ADJUST TAP	CFM*	ELECTRIC HEAT	ADJUST TAP	CFM*
A	Minus	1350	A	Minus	1350
	Normal	1500		Normal	1500
	Plus	1650		Plus	1650
B	Minus	1440	B	Minus	1440
	Normal**	1600		Normal	1600
	Plus	1760		Plus	1760
C	Minus	1530	C	Minus	1530
	Normal	1700		Normal	1700
	Plus	1870		Plus	1870
D	Minus	1620	D	Minus	1620
	Normal	1800		Normal	1800
	Plus	1980		Plus	1980

* - @ 0.1 - 0.8 ESP ** - Rated Cooling Speed

The Electric Heat airflow should not be less than the Cooling airflow selected during install.

APHH56031					
COOLING/ HP SPEED	ADJUST TAP	CFM*	ELECTRIC HEAT	ADJUST TAP	CFM*
A	Minus	1485	A	Minus	1485
	Normal	1650		Normal	1650
	Plus	1815		Plus	1815
B	Minus	1530	B	Minus	1530
	Normal**	1700		Normal	1700
	Plus	1870		Plus	1870
C	Minus	1575	C	Minus	1575
	Normal	1750		Normal	1750
	Plus	1925		Plus	1925
D	Minus	1620	D	Minus	1620
	Normal	1800		Normal	1800
	Plus	1980		Plus	1980

* - @ 0.1 - 0.8 ESP ** - Rated Cooling Speed

The Electric Heat airflow should not be less than the Cooling airflow selected during install.

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

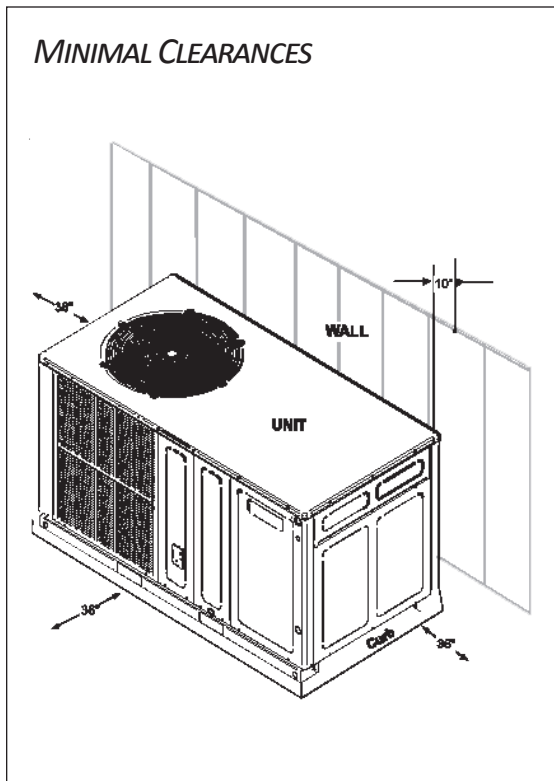
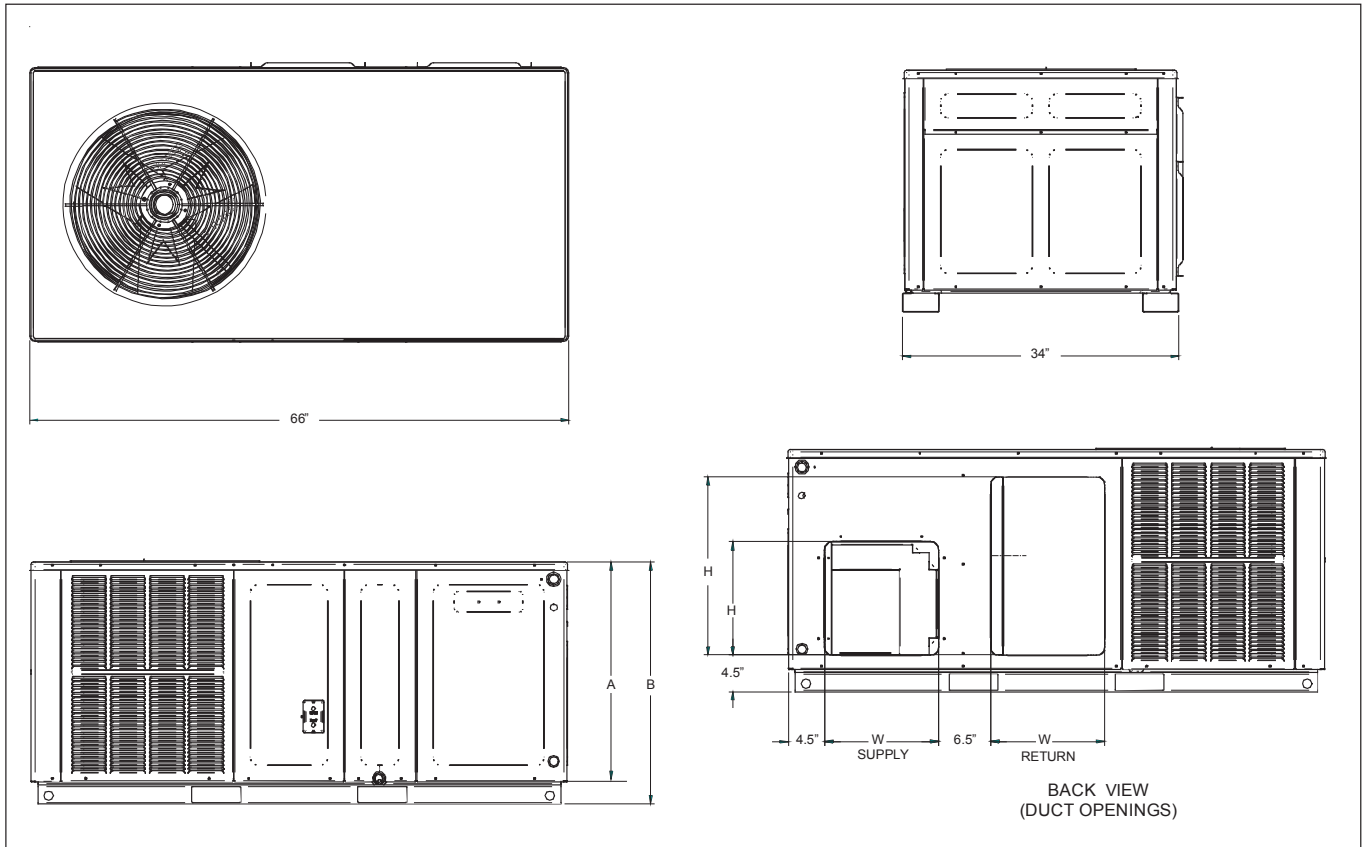
MODEL AND HEAT KIT USAGE	CIRCUIT #1		CIRCUIT #2		SINGLE-POINT KIT		ACTUAL kW
	MCA ¹	MOP ²	MCA ¹	MOP ²	MCA ¹	MOP ²	
APHH52431							
HKTPD051	24.7	25	-	-	43.23	45	4.75
HKTPD081	36.5	40	-	-	55.03	60	7
HKTPD101	49.5	50	-	-	68.03	70	9.5
APHH53031							
HKTPD051	24.7	25	-	-	45.95	50	4.75
HKTPD081	36.5	40	-	-	57.75	60	7
HKTPD101	49.5	50	-	-	70.75	80	9.5
HKTPD151	49.5	50	24.7	25	95.45	100	14.25
APHH53631							
HKTPD051	24.7	25	-	-	48.56	50	4.75
HKTPD081	36.5	40	-	-	60.36	70	7
HKTPD101	49.5	50	-	-	73.36	80	9.5
HKTPD151	49.5	50	24.7	25	98.06	100	14.25
APHH54231							
HKTPD051	24.7	25	-	-	62.54	80	4.75
HKTPD081	36.5	40	-	-	74.34	90	7
HKTPD101	49.5	50	-	-	87.34	100	9.5
HKTPD151	49.5	50	24.7	25	112.04	125	14.25
HKTPD201	49.5	50	49.5	50	136.84	150	19
APHH54831							
HKTPD051	24.7	25	-	-	62.54	80	4.75
HKTPD081	36.5	40	-	-	74.34	90	7
HKTPD101	49.5	50	-	-	87.34	100	9.5
HKTPD151	49.5	50	24.7	25	112.04	125	14.25
HKTPD201	49.5	50	49.5	50	136.84	150	19
APHH56031							
HKTPD051	24.7	25	-	-	66.74	80	4.75
HKTPD081	36.5	40	-	-	78.54	90	7
HKTPD101	49.5	50	-	-	91.54	100	9.5
HKTPD151	49.5	50	24.7	25	116.24	125	14.25
HKTPD201	49.5	50	49.5	50	141.04	150	19

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection Device

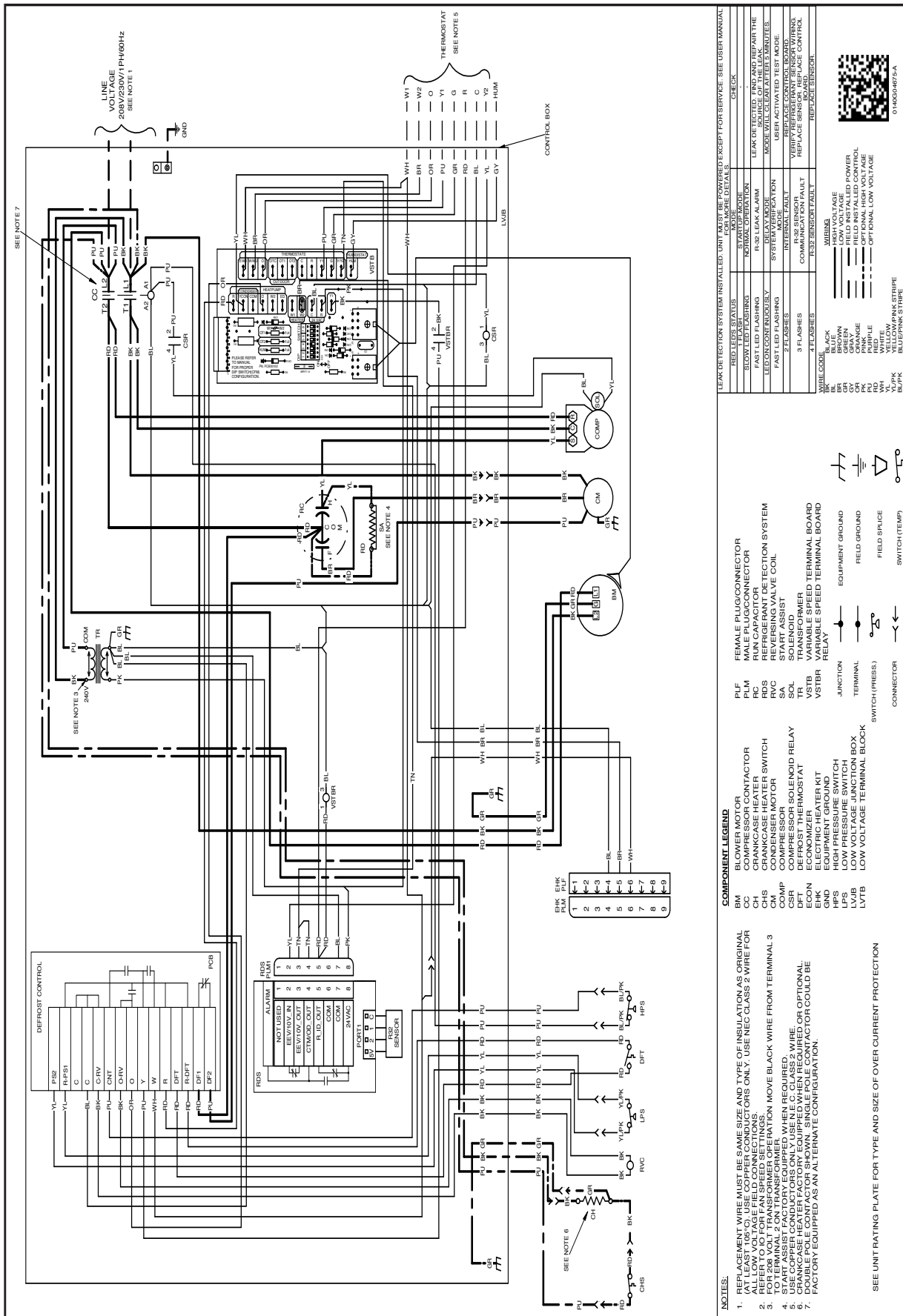
Heating kW Correction Factor					
Supply Voltage	240	230	220	210	208
Correction Factor	1.0	0.93	0.85	0.78	0.76

Multiply rated kW by correction factor to get actual kW



MODEL	UNIT DIMENSIONS				CHASSIS SIZE
			HEIGHT		
	W	D	A	B	
APHH52431	66	34	27½	30	Small
APHH53031	66	34	27½	30	Small
APHH53631	66	34	32½	35	Medium
APHH54231	66	34	32½	35	Medium
APHH54831	66	34	32½	35	Medium
APHH56031	66	34	36	38½	Large

MODEL	DUCT OPENINGS			
	SUPPLY		RETURN	
	W	H	W	H
APHH52431	14	14	14	22
APHH53031	14	14	14	22
APHH53631	14	14	14	24
APHH54231	14	14	14	24
APHH54831	14	14	14	24
APHH56031	14	14	14	24



LEAK DETECTION SYSTEM INSTALLED UNIT ONLY (SEE NOTES EXCEPT FOR SERVICE - SEE USER MANUAL FOR MORE DETAILS)	CHECK
RED LED STATUS	STARTUP MODE
SHOW LED FLASHING	NORMAL OPERATION
R-32 LEAK ALARM	LEAK DETECTED. TEST AND REPAIR THE SOURCE OF THE LEAK.
SYSTEM VERIFICATION	TEST MODE
FAST LED FLASHING	USER ACTIVATED TEST MODE
3 FLASHES	INTERNAL FAULT
4 FLASHES	REPLACE CONTROL BOARD
5 FLASHES	REPLACE SENSOR
6 FLASHES	REPLACE SENSOR. REPLACE CONTROL BOARD
7 FLASHES	REPLACE SENSOR
8 FLASHES	REPLACE SENSOR
9 FLASHES	REPLACE SENSOR

WIRE COLOR	WIRING
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PU	PURPLE
WH	WHITE
YL	YELLOW
Y/PK	YELLOW/PINK STRIPE
TN	TELEPHONE STRIPE

COMPONENT	LEGEND
BLOWER MOTOR	BM
COMPRESSOR CONTACTOR	CC
CONDENSER FAN MOTOR	CFM
CRANKCASE HEATER SWITCH	CHS
COMPRESSOR	COMP
ECONOMIZER	ECON
DEFROST THERMOSTAT	DFT
ELECTRIC HEATER KIT	EHK
LOW PRESSURE SWITCH	LPS
LOW VOLTAGE JUNCTION BOX	LVB
LOW VOLTAGE TERMINAL BLOCK	LVTB
RELAY	REL
START ASSIST	SA
REFRIGERANT DETECTION SYSTEM	RDS
REVERSING VALVE COIL	RVC
SOLENOID RELAY	SOL
TRANSFORMER	TR
VARIABLE SPEED TERMINAL BOARD	VSTB

NOTES:
 1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (AT LEAST 105°C). USE COPPER CONDUCTORS ONLY. USE NEC CLASS 2 WIRE FOR REFERENCE TO FOR FAN SPEED SETTINGS.
 2. TO 208 VOLT 2 TRANSFORMER USE 208V.
 3. START ASSIST FACTORY EQUIPPED WHEN REQUIRED. WIRE CRANKCASE HEATER FACTORY EQUIPPED WHEN REQUIRED OR OPTIONAL.
 4. DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.

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

ACCESSORIES

ACCESSORY DESCRIPTION	ITEM NUMBER	
	SMALL CHASSIS	MEDIUM/LARGE CHASSIS
Downflow Economizer (use w/PCCP roof curb)	DDNECNJPCHHA	DDNECNJPCHHA
Downflow Plenum Kit (use w/PCCP roof curb)	PCP101-103	PCP101-103
Downflow Plenum Kit (R-8) (use w/PCCP roof curb)	PCP101-103 R8	PCP101-103 R8
Elbow Flashing w/R-8 Liner	PCEF101-103	PCEF101-103
Economizer Wiring Harness	0259G00213	0259G00213
External Horizontal Filter Rack	DPHFRA	DPHFRA
Horizontal Economizer	DHZECNJPGCHM	DHZECNJPGCHM
Inline Fuse Kit	INFKPKG01	INFKPKG01
Isolation Relay Kit (req'd with Economizer)	IRKT-01	IRKT-01
Manual Damper	PCMD101-103	PCMD101-103
Manual Damper - Horizontal	GPHMD101-103	GPHMD101-103
Motorized Damper	PCMDM101-103	PCMDM101-103
Outdoor Thermostat Kit w/ Lockout Stat	OT18-60A	OT18-60A
Roof Curb	PCCP101-103	PCCP101-103
Square to Round Downflow (use w/PCCP roof curb)	SQRPC101	SQRPC102-103
Square to Round Horizontal	SQRPCH101	SQRPCH102-103

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