13 SEER CONDENSING UNITS & AIR HANDLERS

(GC201305-I)

TTER CONDITIONERS GREE MAKING BETTER CONDITIONERS GREE MAKING BETTER CONDITIONERS GREE MAKING BETTER CO

TECHNICAL SALES GUIDE-60Hz
CAPACITY RANGE:1 1/2~5 Ton
SUPER HIGH AMBIENT OPERATION TO 115 ℉

TTER C ETTER CON BETTER CONDITIONERS GREE MAKING BETTER CO

R410A

AHRI CERTIFIED www.ahridirectory.org Unitary Small HP AHRI Standard 210/240

c ETL us Intertek

SYSTEM CERTIFICATION ISO 9001 SGS

SYSTEM CERTIFICATION ISO 14001 SGS

SYSTEM CERTIFICATION OHSAS 18001 SGS

GREE ELECTRIC APPLIANCES INC.OF ZHUHAI

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Air Handlers

Nominal Capacity (Ton)	Refrigerant	Model	Power Supply (Ph, V, Hz)	Appearance
1 1/2	R410A	HNF13018/A-D	1, 208/230, 60	
2		HNF13024/A-D		
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2 NOMENCLATURE

2.1 Nomenclature of Condensing Unit

HW	R	13	036	Na	/	A	-	D
1	2	3	4	5		6		7

NO.	Description	Options
1	Symbol	HW: Condensing unit of split series
2	System type	Omitted =Cooling only R= Heat pump
3	SEER	Omitted: SEER<13 13: SEER=13 14: SEER=14 15: SEER=15
4	Nominal capacity	018: 18000 Btu/h 024: 24000 Btu/h 030: 30000 Btu/h 036: 36000 Btu/h 042: 42000 Btu/h 048: 48000 Btu/h 060: 60000 Btu/h
5	Refrigerant	Omitted: R22 Na: R410A
6	Design serial number	A, B, C...
7	Power supply	D: 1Ph,208/230V,60Hz E: 1Ph,220/240V,50Hz G: 3Ph, 380/415V,50Hz F: 3Ph, 208/230V,60Hz

2.2 Nomenclature of Air Handler

HN	F	13	060	/	A	-	D
1	2	3	4		5		6

NO.	Description	Options
1	Symbol	HN: Air handler HND: Fan coil HNW: Wall mounted
2	Fan	Omitted: Without fan F: With fan
3	SEER	Omitted: SEER<13 13: SEER=13 14: SEER=14 15: SEER=15
4	Nominal capacity	018: 18000 Btu/h 024: 24000 Btu/h 030: 30000 Btu/h 036: 36000 Btu/h 042: 42000 Btu/h 048: 48000 Btu/h 060: 60000 Btu/h
5	Refrigerant	Omitted: R22 Na: R410A
6	Power supply	D: 1Ph,208/230V,60Hz E: 1Ph,220/240V,50Hz G: 3Ph, 380/415V,50Hz F: 3Ph, 208/230V,60Hz

3 FEATURES

3.1 Description

GREE HW(R)130 Condensing Units and HNF Multi-Position Air Handlers offer the perfect combination of superior product quality, operating efficiency, operating sound levels and value for money. The Condensing Units incorporate high-efficiency compressors and use the environmentally friendly refrigerant R-410A, which is chlorine-free to help prevent damage to the ozone layer. The Cool Only Condensing Units feature an aluminum micro channel heat exchanger, proven to be the best heat exchanger in the cooling industry. The HW(R)130 is designed for the consumer who desires superior comfort, quiet operation, and environmentally friendly performance.

3.2 Standard Features

Features of Condensing Units

- R-410A environmentally friendly refrigerant.
- High-efficiency compressor.
- Aluminium micro channel heat exchanger on Cool Only Condensing Units.
- Totally enclosed, permanently lubricated condenser fan motor.
- Comact design of outdoor unit.
- Convenient for installation and maintenance.
- Service valves with sweat connections and easy-access gauge ports.
- ETL Certification and AHRI Listed.

Features of Air Handlers

- Multi-position—upflow or horizontal installations.
- Built-in coil has horizontal and vertical drain pans with secondary drain connections.
- High-efficiency exchanger, with long-life rifled copper tubes and aluminum fin refrigerant coils.

3.3 Cabinet Features

Features of Condensing Units

- Unique sound control top design.
- Galvanized steel exterior cabinet with long salt spray test.
- Heavy-duty, full metal coil guard for hail protection.
- Top and side maintenance access.
- Service ports and controls are accessible while unit is operating.

Features of Air Handlers

- Strong unitized, galvanized steel construction.
- Fully insulated, painted cabinet.
- Built-in filter rack.
- Power supply on top; low-voltage entry on top or side.

4 PRODUCT SPECIFICATIONS

4.1 Specifications

◆ Condensing Units

Due to continuous product improvement, the specifications listed below are subject to change without notice, and the values shown on product nameplates should be referred to as final.

Item \ Model	HW13018Na/A-D	HW13024Na/A-D	HW13030Na/A-D	HW13036Na/A-D	HW13042Na/A-D	HW13048Na/A-D	HW13060Na/A-D
Nominal Ratings							
Nominal Cooling (Btu/h)	18000	24000	30000	36000	42000	48000	60000
Sound Pressure Level dB(A)	59	58	60	61	62	64	66
Compressor							
RLA	7.9	9.8	12.6	15.08	21.5	21	25
LRA	38	53	71	64	105	115	150
Condenser Fan Motor							
Power output (HP)	1/6	1/6	1/6	1/4	1/4	1/4	1/3
FLA	1.2	1.2	1.2	1.7	1.7	1.7	2.1
Refrigeration System							
Refrigerant Line Size							
Liquid valve size (inch)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"
Suction valve size (inch)	5/8"	5/8"	3/4"	3/4"	7/8"	7/8"	1-1/8"
Valve Connection Type	Brazed						
Refrigerant Charge (oz)	52.9	67.0	63.5	84.7	81.1	105.8	141.1
Electrical Data							
Power Supply (V-Hz-Ph)	208/230-60-1						
Min. Circuit Ampacity (A)	11.1	13.5	17	20.6	28.6	28	33.5
Max.Overcurrent Protection (A)	15	20	25	35	50	45	50
Min/Max Voltage (V)	187/254						
Min.Power Supply Cord	AWG16	AWG14	AWG12	AWG12	AWG10	AWG10	AWG8
Dimension							
Outline Dimension (W/D/H) (inch)	21 1/2 / 21 1/2 / 24	24 / 24 / 24 1/2	24 / 24 / 29	28 / 28 / 29	28 / 28 / 29	28 / 28 / 29	29 1/2 / 29 1/2 / 33 1/2
Package Dimension (W/D/H) (inch)	22 5/8 / 22 5/8 / 25 5/8	25 5/8 / 25 5/8 / 25 3/4	25 5/8 / 25 5/8 / 29 3/4	30 1/2 / 30 1/2 / 29 3/4	30 1/2 / 30 1/2 / 29 3/4	30 1/2 / 30 1/2 / 29 3/4	30 1/2 / 30 1/2 / 39 5/8
Weight							
Net Weight (lb)	99.2	119.1	130.1	154.4	173.1	185.2	233.7
Gross Weight (lb)	105.8	127.9	141.1	163.2	183	194	266.8

Note:

◆ Tested and rated in accordance with ARI Standard 210/240. Always check the S & R plate for electrical data on the unit being installed. Unit is charged with enough refrigerant for a 25' line set.

◆ RLA --- Rated Load Amps;

◆ LRA --- Locked Rotor Amps;

◆ FLA --- Full Load Amps.

Item \ Model	HWR13018Na/A-D	HWR13024Na/A-D	HWR13030Na/A-D	HWR13036Na/A-D	HWR13042Na/A-D	HWR13048Na/A-D	HWR13060Na/A-D
Nominal Ratings							
Nominal Cooling & Heating (Btu/h)	18000	24000	30000	36000	42000	48000	60000
Sound Pressure Level dB(A)	60	60	62	63	62	62	65
Compressor							
RLA	7.5	9.8	12.5	15.08	17	21	24.5
LRA	38	53	71	64	112	115	134
Condenser Fan Motor							
Power output (HP)	1/6	1/6	1/8	1/4	1/4	1/4	1/3
FLA	0.8	1.2	0.7	1.7	1.7	1.7	2.3
Refrigeration System							
Refrigerant Line Size							
Liquid valve size (inch)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"
Suction valve size (inch)	5/8"	5/8"	3/4"	3/4"	7/8"	7/8"	1-1/8"
Valve Connection Type	Brazed						
Refrigerant Charge (oz)	81.1	102.3	112.9	151.7	155.2	172.8	194
Electrical Data							
Power Supply (V-Hz-Ph)	208/230-60-1						
Min. Circuit Ampacity (A)	10.2	13.5	16.3	20.6	23	28	33
Max.Overcurrent Protection (A)	15	20	25	35	35	45	50
Min/Max Voltage (V)	187/254						
Min.Power Supply Cord	AWG16	AWG14	AWG12	AWG12	AWG10	AWG10	AWG8
Dimension							
Outline Dimension (W/D/H) (inch)	24 / 24 / 24 1/2	24 / 24 / 24 1/2	28 / 28 / 29	28 / 28 / 29	28 / 28 / 29	28 / 28 / 33 1/2	29 1/2 / 29 1/2 / 33 1/2
Package Dimension (W/D/H) (inch)	25 5/8 / 25 5/8 25 3/4	25 5/8 / 25 5/8 25 3/4	30 1/2 / 30 1/2 29 3/4	30 1/2 / 30 1/2 29 3/4	30 1/2 / 30 1/2 29 3/4	30 1/2 / 30 1/2 34 7/8	30 1/2 / 30 1/2 39 5/8
Weight							
Net Weight (lb)	113.6	130.1	161	176.4	208.4	218.3	240.3
Gross Weight (lb)	121.3	138.9	172	187.4	218.3	229.3	271.2

Note:

- Tested and rated in accordance with ARI Standard 210/240. Always check the S & R plate for electrical data on the unit being installed. Unit is charged with enough refrigerant for a 25' line set.
- RLA --- Rated Load Amps;
- LRA --- Locked Rotor Amps;
- FLA --- Full Load Amps.

Air Handler

Due to continuous product improvement, the specifications listed below are subject to change without notice, and the values shown on product nameplates should be referred to as final.

Item \ Model	HNF13018/A-D	HNF13024/A-D	HNF13030/A-D	HNF13036/A-D	HNF13042/A-D	HNF13048/A-D	HNF13060/A-D
Nominal Ratings							
Nominal Cooling (Btu/h)	18000	24000	30000	36000	42000	48000	60000
CFM	640	825	980	1140	1300	1400	1650
Rated ESP (in-wc)	0.10	0.10	0.15	0.15	0.15	0.20	0.20
Blower							
Diameter (inch)	10	10	10	10	10	10	11
Width (inch)	8	8	8	10	10	10	11
Coil Drain Connection FPT (inch)	3/4"						
Service Valve							
Liquid pipe diameter (inch)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"
Suction pipe diameter (inch)	5/8"	5/8"	3/4"	3/4"	7/8"	7/8"	1-1/8"
Electrical Data							
Power Supply	208/230-60-1						
Min Circuit Ampacity (A)	0.78	1.9	1.6	2.5	2.5	3.1	5.75
Max. Overcurrent Device (A)	15						
Minimum VAC (V)	187						
Maximum VAC (V)	254						
Blower Motor							
FLA	0.62	1.52	1.25	2.00	2.00	2.50	4.6
Power output (HP)	1/16	1/5	1/4	1/3	1/3	1/2	3/4
Dimension							
Outline Dimension (W/D/H) (inch)	18 1/8 / 21 1/4 / 43 1/2	18 1/8 / 21 1/4 / 43 1/2	18 1/8 / 21 1/4 / 43 1/2	21 1/4 / 21 1/4 / 48 1/4	21 1/4 / 21 1/4 / 48 1/4	24 7/8 / 21 1/4 / 48 1/4	24 7/8 / 21 1/4 / 48 1/4
Package Dimension (W/D/H) (inch)	20 3/8 / 24 3/8 / 46	20 3/8 / 24 3/8 / 46	20 3/8 / 24 3/8 / 46	23 1/2 / 24 3/8 / 50 3/4	23 1/2 / 24 3/8 / 50 3/4	27 / 24 3/8 / 51	27 / 24 3/8 / 51
Weight							
Net Weight (lb)	114.7	116.9	122.4	143.3	147.7	174.2	176.4
Gross Weight (lb)	124.6	125.7	130.1	154.4	158.8	185.2	189.6

4.2 Expanded Cooling Data

1. HW13018Na/A-D+ HNF13018/A-D, HWR13018Na/A-D+ HNF13018/A-D

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	640	Capacity (MBh)	16.7	17.5	19.3	-	16.3	17.1	18.9	-	15.9	16.8	18.5	-	15.4	16.3	18.1	-	14.7	15.6	17.4	-	13.6	14.5	16.3	-
		Total System Power (kW)	1.30	1.34	1.38	-	1.39	1.43	1.48	-	1.47	1.52	1.56	-	1.55	1.59	1.64	-	1.61	1.66	1.71	-	1.66	1.71	1.76	-
		S/T	0.70	0.58	0.40	-	0.73	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.45	-
		Circuit Ampacity (A)	5.8	5.9	6.1	-	6.3	6.4	6.6	-	6.7	6.9	7.0	-	7.1	7.3	7.5	-	7.5	7.7	7.9	-	7.9	8.1	8.3	-
		Hi Pressure (Psig)	235	253	256	-	265	285	289	-	302	325	329	-	344	370	375	-	389	416	420	-	435	470	479	-
		Lo Pressure (Psig)	115	119	129	-	118	122	132	-	123	125	136	-	126	130	141	-	128	132	145	-	132	136	148	-
	581	Capacity (MBh)	16.4	17.0	18.7	-	16.0	16.6	18.3	-	15.6	16.3	18.0	-	15.1	15.8	17.5	-	14.4	15.1	16.9	-	13.3	14.1	15.9	-
		Total System Power (kW)	1.29	1.33	1.37	-	1.38	1.42	1.46	-	1.46	1.50	1.55	-	1.53	1.58	1.63	-	1.59	1.64	1.69	-	1.64	1.69	1.74	-
		S/T	0.68	0.56	0.39	-	0.71	0.59	0.40	-	0.72	0.60	0.41	-	0.74	0.61	0.42	-	0.76	0.63	0.44	-	0.77	0.64	0.44	-
		Circuit Ampacity (A)	5.7	5.9	6.0	-	6.2	6.3	6.5	-	6.6	6.8	6.9	-	7.1	7.2	7.4	-	7.5	7.6	7.8	-	7.8	8.0	8.2	-
		Hi Pressure (Psig)	233	250	254	-	262	282	286	-	299	322	326	-	340	366	371	-	385	412	416	-	431	465	475	-
		Lo Pressure Psig)	114	118	128	-	117	120	131	-	121	123	134	-	125	128	140	-	127	131	144	-	131	135	147	-
	522	Capacity (MBh)	15.2	15.8	17.2	-	14.9	15.5	16.9	-	14.5	15.1	16.5	-	14.0	14.7	16.1	-	13.4	14.1	15.5	-	12.4	13.1	14.6	-
		Total System Power (kW)	1.27	1.31	1.35	-	1.36	1.40	1.45	-	1.45	1.49	1.53	-	1.52	1.56	1.61	-	1.58	1.63	1.67	-	1.63	1.67	1.72	-
		S/T	0.65	0.54	0.37	-	0.64	0.53	0.37	-	0.62	0.52	0.36	-	0.60	0.50	0.35	-	0.57	0.48	0.34	-	0.53	0.45	0.32	-
		Circuit Ampacity (A)	5.7	5.8	5.9	-	6.1	6.3	6.4	-	6.6	6.7	6.9	-	7.0	7.2	7.3	-	7.4	7.5	7.7	-	7.7	7.9	8.1	-
		Hi Pressure (Psig)	230	248	251	-	260	279	283	-	296	318	323	-	337	362	368	-	381	408	412	-	427	461	470	-
		Lo Pressure (Psig)	113	116	127	-	116	119	130	-	120	122	133	-	123	127	138	-	126	130	142	-	130	133	145	-

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	640	Capacity (MBh)	17.0	17.9	19.7	20.9	16.6	17.5	19.3	20	16.2	17.1	18.9	20.2	15.7	16.6	18.4	19.8	15.0	15.9	17.7	19.0	13.8	14.8	16.7	17.8
		Total System Power (kW)	1.33	1.37	1.41	1.45	1.42	1.46	1.51	1.55	1.50	1.55	1.60	1.64	1.58	1.63	1.68	1.73	1.64	1.69	1.74	1.74	1.69	1.74	1.79	1.79
		S/T	0.80	0.70	0.53	0.34	0.83	0.73	0.55	0.35	0.85	0.74	0.56	0.36	0.87	0.76	0.57	0.37	0.89	0.79	0.59	0.38	0.90	0.79	0.60	0.38
		Circuit Ampacity (A)	5.9	6.1	6.2	6.3	6.4	6.5	6.7	6.8	6.8	7.0	7.2	7.3	7.3	7.4	7.6	7.8	7.7	7.9	8.0	8.2	8.1	8.2	8.4	8.6
		Hi Pressure (Psig)	237	255	259	263	268	288	292	297	305	328	332	337	347	373	379	385	392	420	424	431	440	475	484	492
		Lo Pressure (Psig)	116	120	131	143	119	123	134	146	124	126	137	149	127	131	143	155	130	133	147	160	133	137	150	163
	581	Capacity (MBh)	16.7	17.3	19.1	20.4	16.3	17.0	18.7	20.0	15.9	16.6	18.3	19.7	15.4	16.1	17.9	19.1	14.7	15.5	17.2	18.4	13.6	14.4	16.2	17.4
		Total System Power (kW)	1.31	1.35	1.39	1.43	1.40	1.45	1.49	1.53	1.49	1.53	1.58	1.63	1.56	1.61	1.66	1.71	1.63	1.67	1.72	1.72	1.67	1.72	1.78	1.78
		S/T	0.77	0.68	0.51	0.33	0.81	0.71	0.53	0.34	0.82	0.72	0.54	0.35	0.84	0.74	0.56	0.36	0.87	0.76	0.57	0.37	0.88	0.77	0.58	0.37
		Circuit Ampacity (A)	5.7	5.9	6.0	6.3	6.2	6.3	6.5	6.8	6.6	6.8	6.9	7.2	7.1	7.2	7.4	7.7	7.5	7.6	7.8	8.1	7.8	8.0	8.2	8.5
		Hi Pressure (Psig)	235	253	256	260	265	285	289	294	302	325	329	333	344	370	375	381	389	416	420	426	435	470	479	487
		Lo Pressure (Psig)	115	119	129	141	118	122	132	144	123	125	136	148	126	130	141	154	128	132	145	158	132	136	148	162
	522	Capacity (MBh)	15.5	16.1	17.6	18.8	15.2	15.8	17.2	18.4	14.8	15.4	16.9	18.1	14.3	15.0	16.5	17.7	13.6	14.4	15.8	16.9	12.6	13.4	14.9	16.0
		Total System Power (kW)	1.30	1.34	1.38	1.42	1.39	1.43	1.48	1.52	1.47	1.52	1.56	1.61	1.55	1.59	1.64	1.69	1.61	1.66	1.71	1.71	1.66	1.71	1.76	1.76
		S/T	0.74	0.65	0.49	0.31	0.77	0.68	0.51	0.33	0.79	0.69	0.52	0.33	0.81	0.71	0.53	0.34	0.83	0.73	0.55	0.35	0.84	0.74	0.55	0.36
		Circuit Ampacity (A)	5.7	5.8	5.9	6.2	6.1	6.3	6.4	6.7	6.6	6.7	6.9	7.2	7.0	7.2	7.3	7.6	7.4	7.5	7.7	8.1	7.7	7.9	8.1	8.5
		Hi Pressure (Psig)	233	250	254	258	262	282	286	291	299	322	326	330	340	366	371	377	385	412	416	422	431	465	475	482
		Lo Pressure (Psig)	114	118	128	140	117	120	131	143	121	123	134	147	125	128	140	152	127	131	144	157	131	135	147	160

HW13018Na/A-D+ HNF13018/A-D, HWR13018Na/A-D+ HNF13018/A-D

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	640	Capacity (MBh)	17.4	18.2	19.3	20.5	17.0	17.8	19.0	20	16.5	17.4	18.6	19.9	16.0	17.0	18.1	19.5	15.3	16.2	17.4	18.6	14.1	15.1	16.4	17.5
		Total System Power (kW)	1.35	1.39	1.43	1.48	1.45	1.49	1.54	1.58	1.53	1.58	1.63	1.68	1.61	1.66	1.71	1.76	1.68	1.73	1.78	1.78	1.73	1.78	1.83	1.83
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.70	0.52	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.55	0.98	0.91	0.75	0.56	0.99	0.92	0.76	0.57
		Circuit Ampacity (A)	5.9	6.1	6.2	6.5	6.4	6.5	6.7	7.2	6.8	7.0	7.2	7.7	7.3	7.4	7.6	8.1	7.7	7.9	8.0	8.5	8.1	8.2	8.4	8.9
		Hi Pressure (Psig)	240	258	262	265	270	291	295	299	308	331	336	340	351	377	383	389	396	424	428	435	444	479	489	496
		Lo Pressure (Psig)	117	121	132	144	120	124	135	147	125	127	139	151	128	132	144	157	131	135	148	162	135	139	151	165
	581	Capacity (MBh)	17.0	17.7	18.8	20.1	16.6	17.3	18.4	19.7	16.2	16.9	18.0	19.4	15.7	16.5	17.6	18.8	14.9	15.8	16.9	18.1	13.8	14.7	15.9	17.1
		Total System Power (kW)	1.34	1.38	1.42	1.46	1.43	1.48	1.52	1.57	1.52	1.56	1.61	1.66	1.59	1.64	1.69	1.74	1.66	1.71	1.76	1.76	1.71	1.76	1.81	1.81
		S/T	0.85	0.79	0.65	0.49	0.89	0.82	0.68	0.51	0.90	0.84	0.69	0.52	0.93	0.86	0.71	0.53	0.95	0.89	0.73	0.55	0.96	0.90	0.73	0.55
		Circuit Ampacity (A)	5.7	5.9	6.0	6.4	6.2	6.3	6.5	6.9	6.6	6.8	6.9	7.4	7.1	7.2	7.4	7.9	7.5	7.6	7.8	8.3	7.8	8.0	8.2	8.7
		Hi Pressure (Psig)	237	255	259	263	268	288	292	296	305	328	332	337	347	373	379	385	392	420	424	430	440	475	484	491
		Lo Pressure (Psig)	116	120	131	143	119	123	134	146	124	126	137	149	127	131	143	155	130	133	147	160	133	137	150	163
	522	Capacity (MBh)	15.8	16.5	17.3	18.5	15.5	16.1	16.9	18.1	15.1	15.7	16.6	17.8	14.6	15.3	16.2	17.4	13.9	14.7	15.5	16.6	12.9	13.6	14.6	15.7
		Total System Power (kW)	1.33	1.37	1.41	1.45	1.42	1.46	1.50	1.55	1.50	1.55	1.60	1.64	1.58	1.63	1.67	1.73	1.64	1.69	1.74	1.74	1.69	1.74	1.79	1.79
		S/T	0.82	0.76	0.62	0.47	0.85	0.79	0.65	0.49	0.87	0.81	0.66	0.50	0.89	0.83	0.68	0.51	0.91	0.84	0.69	0.52	0.92	0.85	0.70	0.52
		Circuit Ampacity (A)	5.7	5.8	5.9	6.3	6.1	6.3	6.4	6.8	6.6	6.7	6.9	7.3	7.0	7.2	7.3	7.8	7.4	7.5	7.7	8.2	7.7	7.9	8.1	8.6
		Hi Pressure (Psig)	235	253	256	260	265	285	289	294	302	325	329	333	344	370	375	381	389	416	420	426	435	470	479	487
		Lo Pressure (Psig)	115	119	129	141	118	122	132	144	123	125	136	148	126	130	141	154	128	132	145	158	132	136	148	162

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
85	640	Capacity (MBh)	17.7	18.6	19.7	20.9	17.3	18.2	19.3	20	16.8	17.8	19.0	20.3	16.4	17.3	18.5	19.9	15.6	16.6	17.8	19.0	14.4	15.4	16.7	17.9
		Total System Power (kW)	1.38	1.42	1.46	1.51	1.48	1.52	1.57	1.61	1.56	1.61	1.66	1.71	1.64	1.69	1.74	1.80	1.71	1.76	1.81	1.81	1.76	1.81	1.87	1.87
		S/T	0.94	0.90	0.81	0.66	0.98	0.94	0.84	0.68	1.00	0.96	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74
		Circuit Ampacity (A)	5.9	6.1	6.2	6.5	6.4	6.5	6.7	7.2	6.8	7.0	7.2	7.7	7.3	7.4	7.6	8.1	7.7	7.9	8.0	8.5	8.1	8.2	8.4	8.9
		Hi Pressure (Psig)	242	260	264	268	273	294	298	302	311	335	339	343	354	381	387	392	400	428	433	439	448	484	494	501
		Lo Pressure (Psig)	118	122	133	145	122	125	136	149	126	128	140	152	130	133	145	159	132	136	150	163	136	140	153	167
	581	Capacity (MBh)	17.4	18.1	19.1	20.5	17.0	17.7	18.8	20.1	16.5	17.3	18.4	19.8	16.0	16.8	17.9	19.2	15.2	16.1	17.2	18.4	14.1	15.0	16.2	17.4
		Total System Power (kW)	1.37	1.41	1.45	1.49	1.46	1.51	1.55	1.60	1.55	1.60	1.64	1.69	1.63	1.68	1.73	1.78	1.69	1.74	1.79	1.79	1.74	1.79	1.85	1.85
		S/T	0.91	0.87	0.79	0.64	0.95	0.91	0.82	0.66	0.97	0.93	0.84	0.68	0.99	0.95	0.86	0.69	1.00	0.98	0.88	0.71	1.00	0.99	0.89	0.72
		Circuit Ampacity (A)	5.7	5.9	6.0	6.4	6.2	6.3	6.5	6.9	6.6	6.8	6.9	7.4	7.1	7.2	7.4	7.9	7.5	7.6	7.8	8.3	7.8	8.0	8.2	8.7
		Hi Pressure (Psig)	240	258	262	265	270	291	295	299	308	331	336	340	351	377	383	388	396	424	428	435	444	479	489	496
		Lo Pressure (Psig)	117	121	132	144	120	124	135	147	125	127	138	151	128	132	144	157	131	135	148	162	135	139	151	165
	522	Capacity (MBh)	16.2	16.8	17.6	18.8	15.8	16.4	17.3	18.5	15.4	16.1	16.9	18.2	14.9	15.6	16.5	17.7	14.2	15.0	15.9	17.0	13.1	13.9	14.9	16.0
		Total System Power (kW)	1.35	1.39	1.43	1.48	1.45	1.49	1.53	1.58	1.53	1.58	1.63	1.68	1.61	1.66	1.71	1.76	1.67	1.72	1.78	1.78	1.72	1.78	1.83	1.83
		S/T	0.87	0.84	0.76	0.61	0.91	0.87	0.79	0.64	0.93	0.89	0.80	0.65	0.95	0.91	0.82	0.67	0.98	0.94	0.85	0.69	0.99	0.95	0.85	0.69
		Circuit Ampacity (A)	5.7	5.8	5.9	6.3	6.1	6.3	6.4	6.8	6.6	6.7	6.9	7.3	7.0	7.2	7.3	7.8	7.4	7.5	7.7	8.2	7.7	7.9	8.1	8.6
		Hi Pressure (Psig)	237	255	259	263	268	288	292	296	305	328	332	337	347	373	379	385	392	420	424	430	439	475	484	491
		Lo Pressure (Psig)	116	120	131	143	119	123	134	146	124	126	137	149	127	131	143	155	130	133	147	160	133	137	150	163

2. HW13024Na/A-D+ HNF13024/A-D, HWR13024Na/A-D+ HNF13024/A-D

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	825	Capacity (MBh)	22.1	23.2	25.5	-	21.6	22.7	25.0	-	21.0	22.2	24.5	-	20.4	21.6	23.9	-	19.4	20.7	23.0	-	18.0	19.2	21.6	-
		Total System Power (kW)	1.63	1.68	1.73	-	1.74	1.80	1.85	-	1.85	1.90	1.96	-	1.94	2.00	2.06	-	2.02	2.08	2.14	-	2.08	2.14	2.21	-
		S/T	0.70	0.58	0.40	-	0.73	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.45	-
		Circuit Ampacity (A)	7.0	7.2	7.3	-	7.6	7.7	7.9	-	8.1	8.3	8.5	-	8.6	8.8	9.0	-	9.1	9.3	9.5	-	9.5	9.8	10.0	-
		Hi Pressure (Psig)	235	253	256	-	265	285	289	-	302	325	329	-	344	370	375	-	389	416	420	-	435	470	479	-
		Lo Pressure (Psig)	115	119	129	-	118	122	132	-	123	125	136	-	126	130	141	-	128	132	145	-	132	136	148	-
	766	Capacity (MBh)	21.7	22.5	24.8	-	21.1	22.0	24.3	-	20.6	21.5	23.8	-	20.0	20.9	23.2	-	19.0	20.0	22.3	-	17.6	18.7	21.0	-
		Total System Power (kW)	1.61	1.66	1.71	-	1.73	1.78	1.83	-	1.83	1.89	1.94	-	1.92	1.98	2.04	-	2.00	2.06	2.12	-	2.06	2.12	2.18	-
		S/T	0.68	0.56	0.39	-	0.71	0.59	0.40	-	0.72	0.60	0.41	-	0.74	0.61	0.42	-	0.76	0.63	0.44	-	0.77	0.64	0.44	-
		Circuit Ampacity (A)	6.9	7.1	7.2	-	7.5	7.7	7.8	-	8.0	8.2	8.4	-	8.5	8.7	8.9	-	9.0	9.2	9.4	-	9.4	9.7	9.9	-
		Hi Pressure (Psig)	233	250	254	-	262	282	286	-	299	322	326	-	340	366	371	-	385	412	416	-	431	465	475	-
		Lo Pressure Psig)	114	118	128	-	117	120	131	-	121	123	134	-	125	128	140	-	127	131	144	-	131	135	147	-
	707	Capacity (MBh)	20.1	20.9	22.8	-	19.7	20.5	22.3	-	19.1	20.0	21.9	-	18.6	19.5	21.4	-	17.7	18.6	20.5	-	16.4	17.4	19.3	-
		Total System Power (kW)	1.60	1.65	1.69	-	1.71	1.76	1.81	-	1.81	1.87	1.92	-	1.90	1.96	2.02	-	1.98	2.04	2.10	-	2.04	2.10	2.16	-
		S/T	0.65	0.54	0.37	-	0.64	0.53	0.37	-	0.62	0.52	0.36	-	0.60	0.50	0.35	-	0.57	0.48	0.34	-	0.53	0.45	0.32	-
		Circuit Ampacity (A)	6.9	7.0	7.2	-	7.4	7.6	7.7	-	7.9	8.1	8.3	-	8.4	8.6	8.8	-	8.9	9.1	9.3	-	9.4	9.6	9.8	-
		Hi Pressure (Psig)	230	248	251	-	260	279	283	-	296	318	323	-	337	362	368	-	381	408	412	-	427	461	470	-
		Lo Pressure (Psig)	113	116	127	-	116	119	130	-	120	122	133	-	123	127	138	-	126	130	142	-	130	133	145	-

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	825	Capacity (MBh)	22.5	23.7	26.0	27.6	22.0	23.1	25.5	27	21.4	22.6	25.0	26.8	20.8	22.0	24.4	26.2	19.8	21.1	23.5	25.1	18.3	19.6	22.1	23.6
		Total System Power (kW)	1.66	1.71	1.76	1.82	1.78	1.83	1.89	1.94	1.89	1.94	2.00	2.06	1.98	2.04	2.10	2.16	2.06	2.12	2.18	2.18	2.12	2.18	2.25	2.25
		S/T	0.80	0.70	0.53	0.34	0.83	0.73	0.55	0.35	0.85	0.74	0.56	0.36	0.87	0.76	0.57	0.37	0.89	0.79	0.59	0.38	0.90	0.79	0.60	0.38
		Circuit Ampacity (A)	7.1	7.3	7.5	7.6	7.7	7.9	8.1	8.2	8.3	8.4	8.6	8.8	8.8	9.0	9.2	9.4	9.3	9.5	9.7	9.9	9.7	10.0	10.2	10.4
		Hi Pressure (Psig)	237	255	259	263	268	288	292	297	305	328	332	337	347	373	379	385	392	420	424	431	440	475	484	492
		Lo Pressure (Psig)	116	120	131	143	119	123	134	146	124	126	137	149	127	131	143	155	130	133	147	160	133	137	150	163
	766	Capacity (MBh)	22.1	23.0	25.3	27.0	21.6	22.5	24.7	26.5	21.0	22.0	24.3	26.1	20.4	21.4	23.7	25.3	19.4	20.4	22.7	24.3	18.0	19.0	21.4	23.0
		Total System Power (kW)	1.65	1.70	1.75	1.80	1.76	1.81	1.87	1.92	1.87	1.92	1.98	2.04	1.96	2.02	2.08	2.14	2.04	2.10	2.16	2.16	2.10	2.16	2.23	2.23
		S/T	0.77	0.68	0.51	0.33	0.81	0.71	0.53	0.34	0.82	0.72	0.54	0.35	0.84	0.74	0.56	0.36	0.87	0.76	0.57	0.37	0.88	0.77	0.58	0.37
		Circuit Ampacity (A)	6.9	7.1	7.2	7.6	7.5	7.7	7.8	8.2	8.0	8.2	8.4	8.7	8.5	8.7	8.9	9.3	9.0	9.2	9.4	9.8	9.4	9.7	9.9	10.3
		Hi Pressure (Psig)	235	253	256	260	265	285	289	294	302	325	329	333	344	370	375	381	389	416	420	426	435	470	479	487
		Lo Pressure (Psig)	115	119	129	141	118	122	132	144	123	125	136	148	126	130	141	154	128	132	145	158	132	136	148	162
	707	Capacity (MBh)	20.5	21.4	23.2	24.9	20.1	20.9	22.8	24.4	19.5	20.4	22.3	24.0	19.0	19.9	21.8	23.4	18.0	19.0	20.9	22.4	16.7	17.7	19.7	21.2
		Total System Power (kW)	1.63	1.68	1.73	1.78	1.74	1.80	1.85	1.91	1.85	1.90	1.96	2.02	1.94	2.00	2.06	2.12	2.02	2.08	2.14	2.14	2.08	2.14	2.21	2.21
		S/T	0.74	0.65	0.49	0.31	0.77	0.68	0.51	0.33	0.79	0.69	0.52	0.33	0.81	0.71	0.53	0.34	0.83	0.73	0.55	0.35	0.84	0.74	0.55	0.36
		Circuit Ampacity (A)	6.9	7.0	7.2	7.5	7.4	7.6	7.7	8.1	7.9	8.1	8.3	8.7	8.4	8.6	8.8	9.2	8.9	9.1	9.3	9.7	9.4	9.6	9.8	10.2
		Hi Pressure (Psig)	233	250	254	258	262	282	286	291	299	322	326	330	340	366	371	377	385	412	416	422	431	465	475	482
		Lo Pressure (Psig)	114	118	128	140	117	120	131	143	121	123	134	147	125	128	140	152	127	131	144	157	131	135	147	160

HW13024Na/A-D+ HNF13024/A-D, HWR13024Na/A-D+ HNF13024/A-D

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	825	Capacity (MBh)	23.0	24.1	25.6	27.1	22.4	23.6	25.1	27	21.9	23.1	24.6	26.3	21.2	22.5	24.0	25.8	20.2	21.5	23.1	24.7	18.7	20.0	21.7	23.2
		Total System Power (kW)	1.70	1.75	1.80	1.85	1.81	1.87	1.93	1.98	1.92	1.98	2.04	2.10	2.02	2.08	2.14	2.21	2.10	2.16	2.23	2.23	2.16	2.23	2.30	2.30
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.70	0.52	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.55	0.98	0.91	0.75	0.56	0.99	0.92	0.76	0.57
		Circuit Ampacity (A)	7.1	7.3	7.5	7.8	7.7	7.9	8.1	8.7	8.3	8.4	8.6	9.2	8.8	9.0	9.2	9.8	9.3	9.5	9.7	10.2	9.7	10.0	10.2	10.7
		Hi Pressure (Psig)	240	258	262	265	270	291	295	299	308	331	336	340	351	377	383	389	396	424	428	435	444	479	489	496
		Lo Pressure (Psig)	117	121	132	144	120	124	135	147	125	127	139	151	128	132	144	157	131	135	148	162	135	139	151	165
	766	Capacity (MBh)	22.5	23.4	24.8	26.6	22.0	22.9	24.3	26.0	21.4	22.4	23.9	25.7	20.8	21.8	23.3	24.9	19.8	20.9	22.4	23.9	18.3	19.4	21.0	22.6
		Total System Power (kW)	1.68	1.73	1.78	1.83	1.80	1.85	1.91	1.96	1.90	1.96	2.02	2.08	2.00	2.06	2.12	2.18	2.08	2.14	2.21	2.21	2.14	2.21	2.27	2.27
		S/T	0.85	0.79	0.65	0.49	0.89	0.82	0.68	0.51	0.90	0.84	0.69	0.52	0.93	0.86	0.71	0.53	0.95	0.89	0.73	0.55	0.96	0.90	0.73	0.55
		Circuit Ampacity (A)	6.9	7.1	7.2	7.7	7.5	7.7	7.8	8.3	8.0	8.2	8.4	8.9	8.5	8.7	8.9	9.5	9.0	9.2	9.4	10.0	9.4	9.7	9.9	10.5
		Hi Pressure (Psig)	237	255	259	263	268	288	292	296	305	328	332	337	347	373	379	385	392	420	424	430	440	475	484	491
		Lo Pressure (Psig)	116	120	131	143	119	123	134	146	124	126	137	149	127	131	143	155	130	133	147	160	133	137	150	163
	707	Capacity (MBh)	21.0	21.8	22.8	24.4	20.5	21.3	22.4	23.9	19.9	20.8	22.0	23.6	19.3	20.3	21.4	23.0	18.4	19.4	20.6	22.0	17.0	18.1	19.4	20.8
		Total System Power (kW)	1.66	1.71	1.76	1.82	1.78	1.83	1.89	1.94	1.89	1.94	2.00	2.06	1.98	2.04	2.10	2.16	2.06	2.12	2.18	2.18	2.12	2.18	2.25	2.25
		S/T	0.82	0.76	0.62	0.47	0.85	0.79	0.65	0.49	0.87	0.81	0.66	0.50	0.89	0.83	0.68	0.51	0.91	0.84	0.69	0.52	0.92	0.85	0.70	0.52
		Circuit Ampacity (A)	6.9	7.0	7.2	7.6	7.4	7.6	7.7	8.2	7.9	8.1	8.3	8.8	8.4	8.6	8.8	9.4	8.9	9.1	9.3	9.9	9.4	9.6	9.8	10.4
		Hi Pressure (Psig)	235	253	256	260	265	285	289	294	302	325	329	333	344	370	375	381	389	416	420	426	435	470	479	487
		Lo Pressure (Psig)	115	119	129	141	118	122	132	144	123	125	136	148	126	130	141	154	128	132	145	158	132	136	148	162

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
85	825	Capacity (MBh)	23.5	24.6	26.1	27.7	22.9	24.1	25.6	27	22.3	23.6	25.1	26.9	21.6	22.9	24.5	26.3	20.6	21.9	23.5	25.2	19.1	20.4	22.1	23.7
		Total System Power (kW)	1.73	1.78	1.84	1.89	1.85	1.91	1.96	2.02	1.96	2.02	2.08	2.14	2.06	2.12	2.19	2.25	2.14	2.21	2.27	2.27	2.21	2.27	2.34	2.34
		S/T	0.94	0.90	0.81	0.66	0.98	0.94	0.84	0.68	1.00	0.96	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74
		Circuit Ampacity (A)	7.1	7.3	7.5	7.8	7.7	7.9	8.1	8.7	8.3	8.4	8.6	9.2	8.8	9.0	9.2	9.8	9.3	9.5	9.7	10.2	9.7	10.0	10.2	10.7
		Hi Pressure (Psig)	242	260	264	268	273	294	298	302	311	335	339	343	354	381	387	392	400	428	433	439	448	484	494	501
		Lo Pressure (Psig)	118	122	133	145	122	125	136	149	126	128	140	152	130	133	145	159	132	136	150	163	136	140	153	167
	766	Capacity (MBh)	23.0	23.9	25.3	27.1	22.4	23.4	24.8	26.6	21.8	22.8	24.3	26.2	21.2	22.2	23.7	25.4	20.2	21.3	22.8	24.4	18.7	19.8	21.5	23.1
		Total System Power (kW)	1.71	1.76	1.82	1.87	1.83	1.89	1.94	2.00	1.94	2.00	2.06	2.12	2.04	2.10	2.16	2.23	2.12	2.18	2.25	2.25	2.18	2.25	2.32	2.32
		S/T	0.91	0.87	0.79	0.64	0.95	0.91	0.82	0.66	0.97	0.93	0.84	0.68	0.99	0.95	0.86	0.69	1.00	0.98	0.88	0.71	1.00	0.99	0.89	0.72
		Circuit Ampacity (A)	6.9	7.1	7.2	7.7	7.5	7.7	7.8	8.3	8.0	8.2	8.4	8.9	8.5	8.7	8.9	9.5	9.0	9.2	9.4	10.0	9.4	9.7	9.9	10.5
		Hi Pressure (Psig)	240	258	262	265	270	291	295	299	308	331	336	340	351	377	383	388	396	424	428	435	444	479	489	496
		Lo Pressure (Psig)	117	121	132	144	120	124	135	147	125	127	138	151	128	132	144	157	131	135	148	162	135	139	151	165
	707	Capacity (MBh)	21.4	22.2	23.3	24.9	20.9	21.7	22.8	24.4	20.3	21.2	22.4	24.1	19.7	20.7	21.8	23.5	18.8	19.8	21.0	22.5	17.4	18.4	19.7	21.2
		Total System Power (kW)	1.70	1.75	1.80	1.85	1.81	1.87	1.92	1.98	1.92	1.98	2.04	2.10	2.02	2.08	2.14	2.21	2.10	2.16	2.23	2.23	2.16	2.23	2.29	2.29
		S/T	0.87	0.84	0.76	0.61	0.91	0.87	0.79	0.64	0.93	0.89	0.80	0.65	0.95	0.91	0.82	0.67	0.98	0.94	0.85	0.69	0.99	0.95	0.85	0.69
		Circuit Ampacity (A)	6.9	7.0	7.2	7.6	7.4	7.6	7.7	8.2	7.9	8.1	8.3	8.8	8.4	8.6	8.8	9.4	8.9	9.1	9.3	9.9	9.4	9.6	9.8	10.4
		Hi Pressure (Psig)	237	255	259	263	268	288	292	296	305	328	332	337	347	373	379	385	392	420	424	430	439	475	484	491
		Lo Pressure (Psig)	116	120	131	143	119	123	134	146	124	126	137	149	127	131	143	155	130	133	147	160	133	137	150	163

3. HW13030Na/A-D+ HNF13030/A-D,HWR13030Na/A-D+ HNF13030/A-D.

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	980	Capacity (MBh)	27.8	29.2	32.1	-	27.1	28.5	31.5	-	26.4	27.9	30.9	-	25.7	27.2	30.1	-	24.4	26.0	28.9	-	22.6	24.2	27.2	-
		Total System Power (kW)	2.15	2.21	2.28	-	2.30	2.37	2.44	-	2.44	2.51	2.59	-	2.56	2.64	2.72	-	2.66	2.74	2.83	-	2.74	2.83	2.91	-
		S/T	0.70	0.58	0.40	-	0.73	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.45	-
		Circuit Ampacity (A)	9.7	9.9	10.1	-	10.5	10.7	11.0	-	11.2	11.5	11.7	-	11.9	12.2	12.5	-	12.6	12.9	13.2	-	13.2	13.5	13.8	-
		Hi Pressure (Psig)	235	253	256	-	265	285	289	-	302	325	329	-	344	370	375	-	389	416	420	-	435	470	479	-
		Lo Pressure (Psig)	115	119	129	-	118	122	132	-	123	125	136	-	126	130	141	-	128	132	145	-	132	136	148	-
	921	Capacity (MBh)	27.2	28.3	31.1	-	26.6	27.7	30.5	-	25.9	27.1	29.9	-	25.1	26.4	29.2	-	23.9	25.2	28.1	-	22.1	23.5	26.4	-
		Total System Power (kW)	2.13	2.19	2.26	-	2.28	2.35	2.42	-	2.41	2.49	2.56	-	2.53	2.61	2.69	-	2.64	2.72	2.80	-	2.72	2.80	2.88	-
		S/T	0.68	0.56	0.39	-	0.71	0.59	0.40	-	0.72	0.60	0.41	-	0.74	0.61	0.42	-	0.76	0.63	0.44	-	0.77	0.64	0.44	-
		Circuit Ampacity (A)	9.6	9.8	10.0	-	10.4	10.6	10.8	-	11.1	11.3	11.6	-	11.8	12.1	12.4	-	12.5	12.8	13.0	-	13.1	13.4	13.7	-
		Hi Pressure (Psig)	233	250	254	-	262	282	286	-	299	322	326	-	340	366	371	-	385	412	416	-	431	465	475	-
		Lo Pressure Psig)	114	118	128	-	117	120	131	-	121	123	134	-	125	128	140	-	127	131	144	-	131	135	147	-
	862	Capacity (MBh)	25.3	26.3	28.7	-	24.7	25.8	28.1	-	24.1	25.2	27.5	-	23.4	24.5	26.9	-	22.2	23.5	25.8	-	20.6	21.8	24.3	-
		Total System Power (kW)	2.11	2.17	2.24	-	2.25	2.32	2.39	-	2.39	2.46	2.54	-	2.51	2.58	2.66	-	2.61	2.69	2.77	-	2.69	2.77	2.85	-
		S/T	0.65	0.54	0.37	-	0.64	0.53	0.37	-	0.62	0.52	0.36	-	0.60	0.50	0.35	-	0.57	0.48	0.34	-	0.53	0.45	0.32	-
		Circuit Ampacity (A)	9.5	9.7	9.9	-	10.3	10.5	10.7	-	11.0	11.2	11.5	-	11.7	12.0	12.2	-	12.3	12.6	12.9	-	13.0	13.3	13.6	-
		Hi Pressure (Psig)	230	248	251	-	260	279	283	-	296	318	323	-	337	362	368	-	381	408	412	-	427	461	470	-
		Lo Pressure (Psig)	113	116	127	-	116	119	130	-	120	122	133	-	123	127	138	-	126	130	142	-	130	133	145	-

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	980	Capacity (MBh)	28.4	29.8	32.8	34.7	27.7	29.1	32.1	35	27.0	28.5	31.5	33.7	26.2	27.7	30.7	33.0	24.9	26.5	29.5	31.6	23.0	24.7	27.8	29.7
		Total System Power (kW)	2.19	2.26	2.33	2.40	2.35	2.42	2.49	2.56	2.49	2.56	2.64	2.72	2.61	2.69	2.77	2.85	2.72	2.80	2.88	2.88	2.80	2.88	2.97	2.97
		S/T	0.80	0.70	0.53	0.34	0.83	0.73	0.55	0.35	0.85	0.74	0.56	0.36	0.87	0.76	0.57	0.37	0.89	0.79	0.59	0.38	0.90	0.79	0.60	0.38
		Circuit Ampacity (A)	9.9	10.1	10.3	10.6	10.7	10.9	11.2	11.4	11.4	11.7	12.0	12.2	12.2	12.5	12.7	13.0	12.8	13.1	13.4	13.7	13.5	13.8	14.1	14.4
		Hi Pressure (Psig)	237	255	259	263	268	288	292	297	305	328	332	337	347	373	379	385	392	420	424	431	440	475	484	492
		Lo Pressure (Psig)	116	120	131	143	119	123	134	146	124	126	137	149	127	131	143	155	130	133	147	160	133	137	150	163
	921	Capacity (MBh)	27.8	28.9	31.8	34.0	27.1	28.2	31.1	33.3	26.4	27.6	30.5	32.8	25.7	26.9	29.8	31.9	24.4	25.7	28.6	30.6	22.6	23.9	26.9	28.9
		Total System Power (kW)	2.17	2.24	2.30	2.37	2.32	2.39	2.46	2.54	2.46	2.54	2.61	2.69	2.59	2.66	2.74	2.83	2.69	2.77	2.85	2.85	2.77	2.85	2.94	2.94
		S/T	0.77	0.68	0.51	0.33	0.81	0.71	0.53	0.34	0.82	0.72	0.54	0.35	0.84	0.74	0.56	0.36	0.87	0.76	0.57	0.37	0.88	0.77	0.58	0.37
		Circuit Ampacity (A)	9.6	9.8	10.0	10.5	10.4	10.6	10.8	11.3	11.1	11.3	11.6	12.1	11.8	12.1	12.4	12.9	12.5	12.8	13.0	13.6	13.1	13.4	13.7	14.3
		Hi Pressure (Psig)	235	253	256	260	265	285	289	294	302	325	329	333	344	370	375	381	389	416	420	426	435	470	479	487
		Lo Pressure (Psig)	115	119	129	141	118	122	132	144	123	125	136	148	126	130	141	154	128	132	145	158	132	136	148	162
	862	Capacity (MBh)	25.8	26.9	29.2	31.3	25.2	26.3	28.6	30.6	24.6	25.7	28.1	30.2	23.9	25.0	27.4	29.5	22.7	23.9	26.3	28.2	21.0	22.3	24.8	26.6
		Total System Power (kW)	2.15	2.21	2.28	2.35	2.30	2.37	2.44	2.51	2.44	2.51	2.59	2.66	2.56	2.64	2.72	2.80	2.66	2.74	2.82	2.82	2.74	2.82	2.91	2.91
		S/T	0.74	0.65	0.49	0.31	0.77	0.68	0.51	0.33	0.79	0.69	0.52	0.33	0.81	0.71	0.53	0.34	0.83	0.73	0.55	0.35	0.84	0.74	0.55	0.36
		Circuit Ampacity (A)	9.5	9.7	9.9	10.4	10.3	10.5	10.7	11.2	11.0	11.2	11.5	12.0	11.7	12.0	12.2	12.8	12.3	12.6	12.9	13.5	13.0	13.3	13.6	14.1
		Hi Pressure (Psig)	233	250	254	258	262	282	286	291	299	322	326	330	340	366	371	377	385	412	416	422	431	465	475	482
		Lo Pressure (Psig)	114	118	128	140	117	120	131	143	121	123	134	147	125	128	140	152	127	131	144	157	131	135	147	160

HW13030Na/A-D+ HNF13030/A-D,HWR13030Na/A-D+ HNF13030/A-D.

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	980	Capacity (MBh)	28.9	30.4	32.2	34.1	28.2	29.7	31.5	34	27.5	29.0	30.9	33.1	26.7	28.3	30.2	32.4	25.4	27.0	29.0	31.0	23.5	25.2	27.3	29.2
		Total System Power (kW)	2.24	2.30	2.37	2.44	2.39	2.47	2.54	2.62	2.54	2.61	2.69	2.77	2.66	2.74	2.83	2.91	2.77	2.85	2.94	2.94	2.85	2.94	3.03	3.03
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.70	0.52	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.55	0.98	0.91	0.75	0.56	0.99	0.92	0.76	0.57
		Circuit Ampacity (A)	9.9	10.1	10.3	10.8	10.7	10.9	11.2	12.1	11.4	11.7	12.0	12.8	12.2	12.5	12.7	13.6	12.8	13.1	13.4	14.2	13.5	13.8	14.1	14.8
		Hi Pressure (Psig)	240	258	262	265	270	291	295	299	308	331	336	340	351	377	383	389	396	424	428	435	444	479	489	496
		Lo Pressure (Psig)	117	121	132	144	120	124	135	147	125	127	139	151	128	132	144	157	131	135	148	162	135	139	151	165
	921	Capacity (MBh)	28.3	29.5	31.2	33.4	27.7	28.8	30.6	32.7	26.9	28.2	30.0	32.3	26.2	27.4	29.3	31.3	24.9	26.2	28.1	30.1	23.0	24.4	26.5	28.5
		Total System Power (kW)	2.21	2.28	2.35	2.42	2.37	2.44	2.51	2.59	2.51	2.59	2.66	2.74	2.64	2.72	2.80	2.88	2.74	2.83	2.91	2.91	2.83	2.91	3.00	3.00
		S/T	0.85	0.79	0.65	0.49	0.89	0.82	0.68	0.51	0.90	0.84	0.69	0.52	0.93	0.86	0.71	0.53	0.95	0.89	0.73	0.55	0.96	0.90	0.73	0.55
		Circuit Ampacity (A)	9.6	9.8	10.0	10.7	10.4	10.6	10.8	11.5	11.1	11.3	11.6	12.4	11.8	12.1	12.4	13.2	12.5	12.8	13.0	13.9	13.1	13.4	13.7	14.6
		Hi Pressure (Psig)	237	255	259	263	268	288	292	296	305	328	332	337	347	373	379	385	392	420	424	430	440	475	484	491
		Lo Pressure (Psig)	116	120	131	143	119	123	134	146	124	126	137	149	127	131	143	155	130	133	147	160	133	137	150	163
	862	Capacity (MBh)	26.4	27.4	28.7	30.7	25.7	26.8	28.2	30.1	25.1	26.2	27.6	29.7	24.3	25.5	26.9	28.9	23.1	24.4	25.9	27.7	21.4	22.7	24.4	26.2
		Total System Power (kW)	2.19	2.26	2.33	2.40	2.35	2.42	2.49	2.56	2.49	2.56	2.64	2.72	2.61	2.69	2.77	2.85	2.72	2.80	2.88	2.88	2.80	2.88	2.97	2.97
		S/T	0.82	0.76	0.62	0.47	0.85	0.79	0.65	0.49	0.87	0.81	0.66	0.50	0.89	0.83	0.68	0.51	0.91	0.84	0.69	0.52	0.92	0.85	0.70	0.52
		Circuit Ampacity (A)	9.5	9.7	9.9	10.6	10.3	10.5	10.7	11.4	11.0	11.2	11.5	12.2	11.7	12.0	12.2	13.0	12.3	12.6	12.9	13.7	13.0	13.3	13.6	14.4
		Hi Pressure (Psig)	235	253	256	260	265	285	289	294	302	325	329	333	344	370	375	381	389	416	420	426	435	470	479	487
		Lo Pressure (Psig)	115	119	129	141	118	122	132	144	123	125	136	148	126	130	141	154	128	132	145	158	132	136	148	162

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
85	980	Capacity (MBh)	29.5	31.0	32.8	34.8	28.8	30.3	32.2	35	28.0	29.6	31.6	33.8	27.2	28.8	30.8	33.1	25.9	27.6	29.6	31.6	24.0	25.7	27.8	29.8
		Total System Power (kW)	2.28	2.35	2.42	2.49	2.44	2.51	2.59	2.67	2.59	2.67	2.75	2.83	2.72	2.80	2.88	2.97	2.83	2.91	3.00	3.00	2.91	3.00	3.09	3.09
		S/T	0.94	0.90	0.81	0.66	0.98	0.94	0.84	0.68	1.00	0.96	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74
		Circuit Ampacity (A)	9.9	10.1	10.3	10.8	10.7	10.9	11.2	12.1	11.4	11.7	12.0	12.8	12.2	12.5	12.7	13.6	12.8	13.1	13.4	14.2	13.5	13.8	14.1	14.8
		Hi Pressure (Psig)	242	260	264	268	273	294	298	302	311	335	339	343	354	381	387	392	400	428	433	439	448	484	494	501
		Lo Pressure (Psig)	118	122	133	145	122	125	136	149	126	128	140	152	130	133	145	159	132	136	150	163	136	140	153	167
	921	Capacity (MBh)	28.9	30.0	31.9	34.1	28.2	29.4	31.2	33.4	27.5	28.7	30.6	32.9	26.7	28.0	29.9	31.9	25.4	26.8	28.7	30.7	23.5	24.9	27.0	29.0
		Total System Power (kW)	2.26	2.33	2.40	2.47	2.42	2.49	2.56	2.64	2.56	2.64	2.72	2.80	2.69	2.77	2.85	2.94	2.80	2.88	2.97	2.97	2.88	2.97	3.06	3.06
		S/T	0.91	0.87	0.79	0.64	0.95	0.91	0.82	0.66	0.97	0.93	0.84	0.68	0.99	0.95	0.86	0.69	1.00	0.98	0.88	0.71	1.00	0.99	0.89	0.72
		Circuit Ampacity (A)	9.6	9.8	10.0	10.7	10.4	10.6	10.8	11.5	11.1	11.3	11.6	12.4	11.8	12.1	12.4	13.2	12.5	12.8	13.0	13.9	13.1	13.4	13.7	14.6
		Hi Pressure (Psig)	240	258	262	265	270	291	295	299	308	331	336	340	351	377	383	388	396	424	428	435	444	479	489	496
		Lo Pressure (Psig)	117	121	132	144	120	124	135	147	125	127	138	151	128	132	144	157	131	135	148	162	135	139	151	165
	862	Capacity (MBh)	26.9	27.9	29.3	31.4	26.2	27.3	28.7	30.7	25.6	26.7	28.2	30.3	24.8	26.0	27.5	29.5	23.6	24.9	26.4	28.2	21.9	23.2	24.8	26.7
		Total System Power (kW)	2.24	2.30	2.37	2.44	2.39	2.46	2.54	2.61	2.54	2.61	2.69	2.77	2.66	2.74	2.83	2.91	2.77	2.85	2.94	2.94	2.85	2.94	3.03	3.03
		S/T	0.87	0.84	0.76	0.61	0.91	0.87	0.79	0.64	0.93	0.89	0.80	0.65	0.95	0.91	0.82	0.67	0.98	0.94	0.85	0.69	0.99	0.95	0.85	0.69
		Circuit Ampacity (A)	9.5	9.7	9.9	10.6	10.3	10.5	10.7	11.4	11.0	11.2	11.5	12.2	11.7	12.0	12.2	13.0	12.3	12.6	12.9	13.7	13.0	13.3	13.6	14.4
		Hi Pressure (Psig)	237	255	259	263	268	288	292	296	305	328	332	337	347	373	379	385	392	420	424	430	439	475	484	491
		Lo Pressure (Psig)	116	120	131	143	119	123	134	146	124	126	137	149	127	131	143	155	130	133	147	160	133	137	150	163

4. HW13036Na/A-D+ HNF13036/A-D, HWR13036Na/A-D+ HNF13036/A-D

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1140	Capacity (MBh)	33.2	34.9	38.3	-	32.4	34.1	37.6	-	31.6	33.3	36.9	-	30.6	32.4	35.9	-	29.1	31.0	34.5	-	27.0	28.9	32.5	-
		Total System Power (kW)	2.45	2.52	2.60	-	2.62	2.70	2.78	-	2.78	2.86	2.95	-	2.92	3.01	3.10	-	3.03	3.13	3.22	-	3.13	3.22	3.32	-
		S/T	0.69	0.57	0.40	-	0.72	0.60	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.44	-	0.78	0.65	0.45	-
		Circuit Ampacity (A)	10.9	11.1	11.4	-	11.8	12.0	12.3	-	12.6	12.9	13.2	-	13.4	13.7	14.0	-	14.2	14.5	14.8	-	14.9	15.2	15.5	-
		Hi Pressure (Psig)	238	256	260	-	268	289	293	-	306	329	333	-	348	374	380	-	394	421	425	-	441	476	486	-
		Lo Pressure (Psig)	117	121	132	-	120	124	135	-	125	127	138	-	128	132	144	-	131	134	148	-	134	138	151	-
	1081	Capacity (MBh)	32.5	33.8	37.2	-	31.8	33.1	36.5	-	30.9	32.3	35.8	-	30.0	31.5	34.9	-	28.6	30.1	33.5	-	26.4	28.0	31.5	-
		Total System Power (kW)	2.43	2.50	2.57	-	2.60	2.67	2.75	-	2.75	2.83	2.92	-	2.89	2.98	3.06	-	3.00	3.09	3.19	-	3.09	3.19	3.28	-
		S/T	0.67	0.56	0.38	-	0.70	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.60	0.42	-	0.75	0.62	0.43	-	0.76	0.63	0.43	-
		Circuit Ampacity (A)	10.8	11.0	11.3	-	11.7	11.9	12.2	-	12.5	12.8	13.0	-	13.3	13.6	13.9	-	14.0	14.3	14.7	-	14.7	15.0	15.4	-
		Hi Pressure (Psig)	236	253	257	-	266	286	290	-	303	326	330	-	345	371	376	-	390	417	421	-	436	471	481	-
		Lo Pressure Psig)	116	120	130	-	119	122	133	-	124	125	137	-	127	130	142	-	129	133	146	-	133	137	149	-
	1022	Capacity (MBh)	30.3	31.4	34.2	-	29.5	30.8	33.5	-	28.8	30.1	32.9	-	27.9	29.3	32.1	-	26.6	28.0	30.8	-	24.6	26.1	29.0	-
		Total System Power (kW)	2.40	2.47	2.55	-	2.57	2.65	2.73	-	2.72	2.81	2.89	-	2.86	2.95	3.03	-	2.97	3.06	3.16	-	3.06	3.16	3.25	-
		S/T	0.64	0.53	0.37	-	0.63	0.52	0.36	-	0.61	0.51	0.35	-	0.59	0.50	0.34	-	0.56	0.47	0.33	-	0.52	0.44	0.31	-
		Circuit Ampacity (A)	10.7	10.9	11.2	-	11.5	11.8	12.1	-	12.3	12.6	12.9	-	13.1	13.4	13.8	-	13.9	14.2	14.5	-	14.6	14.9	15.2	-
		Hi Pressure (Psig)	233	251	255	-	263	283	287	-	300	322	327	-	341	367	372	-	386	413	417	-	432	467	476	-
		Lo Pressure (Psig)	115	118	129	-	118	121	132	-	122	124	135	-	125	129	141	-	128	132	145	-	132	136	148	-

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	1140	Capacity (MBh)	33.9	35.6	39.1	41.5	33.1	34.8	38.3	41	32.2	34.0	37.6	40.2	31.3	33.1	36.7	39.4	29.7	31.7	35.2	37.7	27.5	29.5	33.2	35.5
		Total System Power (kW)	2.50	2.57	2.65	2.73	2.67	2.75	2.84	2.92	2.83	2.92	3.01	3.10	2.98	3.07	3.16	3.25	3.10	3.19	3.28	3.28	3.19	3.28	3.38	3.38
		S/T	0.79	0.69	0.52	0.33	0.82	0.72	0.54	0.35	0.83	0.73	0.55	0.35	0.86	0.75	0.56	0.36	0.88	0.78	0.58	0.37	0.89	0.78	0.59	0.38
		Circuit Ampacity (A)	11.1	11.4	11.6	11.9	12.0	12.3	12.6	12.8	12.8	13.1	13.4	13.7	13.7	14.0	14.3	14.6	14.4	14.8	15.1	15.4	15.2	15.5	15.9	16.2
		Hi Pressure (Psig)	240	258	262	266	271	291	296	300	309	332	337	341	352	378	384	390	397	425	430	436	445	481	490	498
		Lo Pressure (Psig)	118	122	133	145	121	125	136	148	126	128	140	152	129	133	145	158	132	136	149	163	136	140	152	166
	1081	Capacity (MBh)	33.2	34.5	37.9	40.6	32.4	33.7	37.2	39.8	31.5	33.0	36.5	39.2	30.6	32.1	35.6	38.1	29.1	30.7	34.2	36.6	27.0	28.6	32.2	34.6
		Total System Power (kW)	2.47	2.55	2.62	2.70	2.65	2.73	2.81	2.89	2.81	2.89	2.98	3.07	2.95	3.03	3.13	3.22	3.06	3.16	3.25	3.25	3.16	3.25	3.35	3.35
		S/T	0.76	0.67	0.50	0.32	0.79	0.70	0.52	0.34	0.81	0.71	0.53	0.34	0.83	0.73	0.55	0.35	0.85	0.75	0.56	0.36	0.86	0.76	0.57	0.36
		Circuit Ampacity (A)	10.8	11.0	11.3	11.8	11.7	11.9	12.2	12.7	12.5	12.8	13.0	13.6	13.3	13.6	13.9	14.5	14.0	14.3	14.7	15.3	14.7	15.0	15.4	16.1
		Hi Pressure (Psig)	238	256	260	264	268	289	293	297	306	329	333	338	348	374	380	386	394	421	425	432	441	476	486	493
		Lo Pressure (Psig)	117	121	132	144	120	124	135	147	125	127	138	151	128	132	144	157	131	134	148	161	134	138	151	165
	1022	Capacity (MBh)	30.9	32.1	34.9	37.3	30.1	31.4	34.2	36.6	29.3	30.7	33.6	36.1	28.5	29.9	32.7	35.2	27.1	28.6	31.4	33.6	25.1	26.6	29.6	31.8
		Total System Power (kW)	2.45	2.52	2.60	2.68	2.62	2.70	2.78	2.86	2.78	2.86	2.95	3.04	2.92	3.00	3.09	3.19	3.03	3.12	3.22	3.22	3.12	3.22	3.31	3.31
		S/T	0.73	0.64	0.48	0.31	0.76	0.67	0.50	0.32	0.78	0.68	0.51	0.33	0.80	0.70	0.53	0.34	0.82	0.72	0.54	0.35	0.83	0.73	0.55	0.35
		Circuit Ampacity (A)	10.7	10.9	11.2	11.7	11.5	11.8	12.1	12.6	12.3	12.6	12.9	13.5	13.1	13.4	13.8	14.3	13.9	14.2	14.5	15.1	14.6	14.9	15.2	15.9
		Hi Pressure (Psig)	236	253	257	261	266	286	290	294	303	326	330	334	345	371	376	382	390	417	421	427	436	471	481	488
		Lo Pressure (Psig)	116	120	130	142	119	122	133	145	124	125	137	149	127	130	142	155	129	133	146	160	133	137	149	163

HW13036Na/A-D+ HNF13036/A-D, HWR13036Na/A-D+ HNF13036/A-D

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1140	Capacity (MBh)	34.5	36.3	38.4	40.8	33.7	35.5	37.7	41	32.8	34.7	37.0	39.5	31.9	33.8	36.0	38.7	30.3	32.3	34.6	37.1	28.1	30.1	32.6	34.9
		Total System Power (kW)	2.55	2.63	2.70	2.79	2.73	2.81	2.89	2.98	2.89	2.98	3.07	3.16	3.04	3.13	3.22	3.32	3.16	3.25	3.35	3.35	3.25	3.35	3.45	3.45
		S/T	0.87	0.80	0.66	0.49	0.90	0.84	0.69	0.51	0.92	0.85	0.70	0.52	0.94	0.87	0.72	0.54	0.97	0.90	0.74	0.55	0.98	0.91	0.75	0.56
		Circuit Ampacity (A)	11.1	11.4	11.6	12.1	12.0	12.3	12.6	13.6	12.8	13.1	13.4	14.4	13.7	14.0	14.3	15.2	14.4	14.8	15.1	15.9	15.2	15.5	15.9	16.6
		Hi Pressure (Psig)	243	261	265	269	274	294	299	303	312	336	340	344	355	382	388	393	401	430	434	440	450	486	495	503
		Lo Pressure (Psig)	119	123	134	146	122	126	137	150	127	129	141	154	131	134	147	160	133	137	151	164	137	141	154	168
	1081	Capacity (MBh)	33.9	35.2	37.3	39.9	33.0	34.4	36.5	39.1	32.2	33.6	35.9	38.5	31.2	32.7	35.0	37.4	29.7	31.3	33.6	35.9	27.5	29.2	31.6	34.0
		Total System Power (kW)	2.52	2.60	2.68	2.76	2.70	2.78	2.86	2.95	2.86	2.95	3.04	3.13	3.01	3.10	3.19	3.28	3.13	3.22	3.32	3.32	3.22	3.32	3.42	3.42
		S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.67	0.50	0.89	0.83	0.68	0.51	0.91	0.85	0.70	0.52	0.94	0.87	0.72	0.54	0.95	0.88	0.72	0.54
		Circuit Ampacity (A)	10.8	11.0	11.3	12.0	11.7	11.9	12.2	13.0	12.5	12.8	13.0	13.9	13.3	13.6	13.9	14.8	14.0	14.3	14.7	15.6	14.7	15.0	15.4	16.4
		Hi Pressure (Psig)	240	258	262	266	271	291	296	300	309	332	337	341	352	378	384	390	397	425	430	436	445	481	490	498
		Lo Pressure (Psig)	118	122	133	145	121	125	136	148	126	128	140	152	129	133	145	158	132	136	149	163	136	140	152	166
	1022	Capacity (MBh)	31.5	32.7	34.3	36.7	30.7	32.0	33.6	36.0	29.9	31.3	33.0	35.5	29.1	30.4	32.2	34.6	27.6	29.1	30.9	33.1	25.6	27.1	29.1	31.3
		Total System Power (kW)	2.50	2.57	2.65	2.73	2.67	2.75	2.84	2.92	2.83	2.92	3.01	3.10	2.98	3.06	3.16	3.25	3.09	3.19	3.28	3.28	3.19	3.28	3.38	3.38
		S/T	0.81	0.75	0.61	0.46	0.84	0.78	0.64	0.48	0.85	0.79	0.65	0.49	0.88	0.81	0.67	0.50	0.89	0.83	0.68	0.51	0.90	0.84	0.69	0.52
		Circuit Ampacity (A)	10.7	10.9	11.2	11.9	11.5	11.8	12.1	12.8	12.3	12.6	12.9	13.7	13.1	13.4	13.8	14.6	13.9	14.2	14.5	15.4	14.6	14.9	15.2	16.2
		Hi Pressure (Psig)	238	256	260	264	268	289	293	297	306	329	333	338	348	374	380	386	393	421	425	432	441	476	485	493
		Lo Pressure (Psig)	117	121	132	144	120	124	135	147	125	127	138	151	128	132	144	157	130	134	148	161	134	138	151	164

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
85	1140	Capacity (MBh)	35.2	37.0	39.2	41.6	34.4	36.2	38.4	41	33.5	35.4	37.7	40.3	32.5	34.4	36.8	39.5	30.9	32.9	35.3	37.8	28.6	30.7	33.2	35.6
		Total System Power (kW)	2.60	2.68	2.76	2.84	2.78	2.87	2.95	3.04	2.95	3.04	3.13	3.22	3.10	3.19	3.28	3.38	3.22	3.32	3.42	3.42	3.32	3.42	3.52	3.52
		S/T	0.93	0.89	0.80	0.65	0.96	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.90	0.73
		Circuit Ampacity (A)	11.1	11.4	11.6	12.1	12.0	12.3	12.6	13.6	12.8	13.1	13.4	14.4	13.7	14.0	14.3	15.2	14.4	14.8	15.1	15.9	15.2	15.5	15.9	16.6
		Hi Pressure (Psig)	245	264	268	272	277	297	302	306	315	339	343	348	359	386	392	397	405	434	438	445	454	490	500	508
		Lo Pressure (Psig)	121	125	136	148	124	127	139	151	129	131	142	155	132	136	148	161	134	139	152	166	139	143	156	170
	1081	Capacity (MBh)	34.5	35.9	38.0	40.7	33.7	35.1	37.3	39.9	32.8	34.3	36.6	39.3	31.9	33.4	35.7	38.1	30.3	32.0	34.3	36.7	28.1	29.8	32.2	34.7
		Total System Power (kW)	2.57	2.65	2.73	2.81	2.75	2.84	2.92	3.01	2.92	3.01	3.10	3.19	3.07	3.16	3.25	3.35	3.19	3.28	3.38	3.38	3.28	3.38	3.48	3.48
		S/T	0.90	0.86	0.78	0.63	0.93	0.90	0.81	0.65	0.95	0.91	0.82	0.67	0.98	0.94	0.84	0.68	1.00	0.97	0.87	0.70	1.00	0.98	0.88	0.71
		Circuit Ampacity (A)	10.8	11.0	11.3	12.0	11.7	11.9	12.2	13.0	12.5	12.8	13.0	13.9	13.3	13.6	13.9	14.8	14.0	14.3	14.7	15.6	14.7	15.0	15.4	16.4
		Hi Pressure (Psig)	243	261	265	269	274	294	299	303	312	336	340	344	355	382	388	393	401	430	434	440	450	486	495	503
		Lo Pressure (Psig)	119	123	134	146	122	126	137	150	127	129	141	154	131	134	147	160	133	137	151	164	137	141	154	168
	1022	Capacity (MBh)	32.1	33.4	35.0	37.4	31.3	32.6	34.3	36.7	30.5	31.9	33.6	36.2	29.6	31.1	32.8	35.3	28.2	29.7	31.5	33.7	26.1	27.7	29.7	31.9
		Total System Power (kW)	2.55	2.62	2.70	2.78	2.73	2.81	2.89	2.98	2.89	2.98	3.07	3.16	3.03	3.13	3.22	3.32	3.16	3.25	3.35	3.35	3.25	3.35	3.45	3.45
		S/T	0.86	0.83	0.74	0.60	0.90	0.86	0.77	0.63	0.91	0.88	0.79	0.64	0.94	0.90	0.81	0.66	0.97	0.93	0.83	0.68	0.98	0.94	0.84	0.68
		Circuit Ampacity (A)	10.7	10.9	11.2	11.9	11.5	11.8	12.1	12.8	12.3	12.6	12.9	13.7	13.1	13.4	13.8	14.6	13.9	14.2	14.5	15.4	14.6	14.9	15.2	16.2
		Hi Pressure (Psig)	240	258	262	266	271	291	296	300	309	332	337	341	352	378	384	390	397	425	429	436	445	481	490	498
		Lo Pressure (Psig)	118	122	133	145	121	125	136	148	126	128	139	152	129	133	145	158	132	136	149	163	136	140	152	166

5. HW13042Na/A-D+ HNF13042/A-D

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℃)																							
IDB(℃)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1300	Capacity (MBh)	38.6	40.5	44.6	-	37.7	39.6	43.7	-	36.7	38.8	42.9	-	35.6	37.7	41.8	-	33.9	36.1	40.2	-	31.4	33.6	37.8	-
		Total System Power (kW)	2.85	2.94	3.02	-	3.05	3.14	3.24	-	3.23	3.33	3.43	-	3.39	3.50	3.60	-	3.53	3.64	3.74	-	3.64	3.74	3.86	-
		S/T	0.69	0.57	0.40	-	0.72	0.60	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.44	-	0.78	0.65	0.45	-
		Circuit Ampacity (A)	12.8	13.1	13.4	-	13.8	14.1	14.5	-	14.8	15.1	15.5	-	15.8	16.1	16.5	-	16.6	17.0	17.4	-	17.5	17.8	18.3	-
		Hi Pressure (Psig)	238	256	260	-	268	289	293	-	306	329	333	-	348	374	380	-	394	421	425	-	441	476	486	-
		Lo Pressure (Psig)	117	121	132	-	120	124	135	-	125	127	138	-	128	132	144	-	131	134	148	-	134	138	151	-
	1241	Capacity (MBh)	37.8	39.3	43.2	-	36.9	38.4	42.4	-	36.0	37.6	41.6	-	34.9	36.6	40.5	-	33.2	35.0	39.0	-	30.7	32.6	36.7	-
		Total System Power (kW)	2.82	2.91	2.99	-	3.02	3.11	3.20	-	3.20	3.30	3.40	-	3.36	3.46	3.56	-	3.49	3.60	3.71	-	3.60	3.71	3.82	-
		S/T	0.67	0.56	0.38	-	0.70	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.60	0.42	-	0.75	0.62	0.43	-	0.76	0.63	0.43	-
		Circuit Ampacity (A)	12.7	13.0	13.3	-	13.7	14.0	14.3	-	14.6	15.0	15.3	-	15.6	15.9	16.3	-	16.5	16.8	17.2	-	17.3	17.7	18.1	-
		Hi Pressure (Psig)	236	253	257	-	266	286	290	-	303	326	330	-	345	371	376	-	390	417	421	-	436	471	481	-
		Lo Pressure Psig)	116	120	130	-	119	122	133	-	124	125	137	-	127	130	142	-	129	133	146	-	133	137	149	-
	1182	Capacity (MBh)	35.2	36.6	39.8	-	34.3	35.8	39.0	-	33.4	35.0	38.2	-	32.5	34.0	37.3	-	30.9	32.6	35.8	-	28.6	30.3	33.7	-
		Total System Power (kW)	2.79	2.88	2.96	-	2.99	3.08	3.17	-	3.17	3.26	3.36	-	3.33	3.43	3.53	-	3.46	3.56	3.67	-	3.56	3.67	3.78	-
		S/T	0.64	0.53	0.37	-	0.63	0.52	0.36	-	0.61	0.51	0.35	-	0.59	0.50	0.34	-	0.56	0.47	0.33	-	0.52	0.44	0.31	-
		Circuit Ampacity (A)	12.5	12.8	13.1	-	13.5	13.9	14.2	-	14.5	14.8	15.2	-	15.4	15.8	16.1	-	16.3	16.7	17.0	-	17.1	17.5	17.9	-
		Hi Pressure (Psig)	233	251	255	-	263	283	287	-	300	322	327	-	341	367	372	-	386	413	417	-	432	467	476	-
		Lo Pressure (Psig)	115	118	129	-	118	121	132	-	122	124	135	-	125	129	141	-	128	132	145	-	132	136	148	-

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	1300	Capacity (MBh)	39.4	41.3	45.5	48.2	38.4	40.4	44.6	48	37.4	39.5	43.7	46.8	36.3	38.5	42.6	45.8	34.6	36.8	41.0	43.8	32.0	34.3	38.5	41.2
		Total System Power (kW)	2.91	2.99	3.08	3.18	3.11	3.20	3.30	3.40	3.30	3.40	3.50	3.60	3.46	3.57	3.67	3.78	3.60	3.71	3.82	3.82	3.71	3.82	3.93	3.93
		S/T	0.79	0.69	0.52	0.33	0.82	0.72	0.54	0.35	0.83	0.73	0.55	0.35	0.86	0.75	0.56	0.36	0.88	0.78	0.58	0.37	0.89	0.78	0.59	0.38
		Circuit Ampacity (A)	13.1	13.4	13.7	14.0	14.1	14.4	14.7	15.1	15.1	15.4	15.8	16.1	16.1	16.4	16.8	17.2	17.0	17.3	17.7	18.1	17.8	18.2	18.6	19.0
		Hi Pressure (Psig)	240	258	262	266	271	291	296	300	309	332	337	341	352	378	384	390	397	425	430	436	445	481	490	498
		Lo Pressure (Psig)	118	122	133	145	121	125	136	148	126	128	140	152	129	133	145	158	132	136	149	163	136	140	152	166
	1241	Capacity (MBh)	38.6	40.1	44.1	47.2	37.7	39.2	43.2	46.3	36.7	38.4	42.4	45.6	35.6	37.3	41.3	44.2	33.9	35.7	39.7	42.5	31.4	33.3	37.4	40.2
		Total System Power (kW)	2.88	2.96	3.05	3.14	3.08	3.17	3.27	3.36	3.26	3.36	3.46	3.57	3.43	3.53	3.64	3.75	3.56	3.67	3.78	3.78	3.67	3.78	3.89	3.89
		S/T	0.76	0.67	0.50	0.32	0.79	0.70	0.52	0.34	0.81	0.71	0.53	0.34	0.83	0.73	0.55	0.35	0.85	0.75	0.56	0.36	0.86	0.76	0.57	0.36
		Circuit Ampacity (A)	12.7	13.0	13.3	13.8	13.7	14.0	14.3	14.9	14.6	15.0	15.3	16.0	15.6	15.9	16.3	17.0	16.5	16.8	17.2	18.0	17.3	17.7	18.1	18.8
		Hi Pressure (Psig)	238	256	260	264	268	289	293	297	306	329	333	338	348	374	380	386	394	421	425	432	441	476	486	493
		Lo Pressure (Psig)	117	121	132	144	120	124	135	147	125	127	138	151	128	132	144	157	131	134	148	161	134	138	151	165
	1182	Capacity (MBh)	35.9	37.3	40.6	43.4	35.0	36.5	39.8	42.6	34.1	35.7	39.0	41.9	33.1	34.7	38.0	40.9	31.5	33.2	36.6	39.1	29.2	30.9	34.4	37.0
		Total System Power (kW)	2.85	2.93	3.02	3.11	3.05	3.14	3.23	3.33	3.23	3.33	3.43	3.53	3.39	3.49	3.60	3.71	3.53	3.63	3.74	3.74	3.63	3.74	3.86	3.86
		S/T	0.73	0.64	0.48	0.31	0.76	0.67	0.50	0.32	0.78	0.68	0.51	0.33	0.80	0.70	0.53	0.34	0.82	0.72	0.54	0.35	0.83	0.73	0.55	0.35
		Circuit Ampacity (A)	12.5	12.8	13.1	13.7	13.5	13.9	14.2	14.8	14.5	14.8	15.2	15.8	15.4	15.8	16.1	16.8	16.3	16.7	17.0	17.8	17.1	17.5	17.9	18.7
		Hi Pressure (Psig)	236	253	257	261	266	286	290	294	303	326	330	334	345	371	376	382	390	417	421	427	436	471	481	488
		Lo Pressure (Psig)	116	120	130	142	119	122	133	145	124	125	137	149	127	130	142	155	129	133	146	160	133	137	149	163

HW13042Na/A-D+ HNF13042/A-D

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1300	Capacity (MBh)	40.2	42.2	44.7	47.4	39.2	41.2	43.8	47	38.2	40.3	43.0	46.0	37.1	39.2	41.9	45.0	35.3	37.6	40.3	43.1	32.6	35.0	37.9	40.5
		Total System Power (kW)	2.97	3.05	3.15	3.24	3.17	3.27	3.37	3.47	3.36	3.46	3.57	3.67	3.53	3.64	3.75	3.86	3.67	3.78	3.90	3.90	3.78	3.90	4.01	4.01
		S/T	0.87	0.80	0.66	0.49	0.90	0.84	0.69	0.51	0.92	0.85	0.70	0.52	0.94	0.87	0.72	0.54	0.97	0.90	0.74	0.55	0.98	0.91	0.75	0.56
		Circuit Ampacity (A)	13.1	13.4	13.7	14.2	14.1	14.4	14.7	15.9	15.1	15.4	15.8	16.9	16.1	16.4	16.8	17.9	17.0	17.3	17.7	18.7	17.8	18.2	18.6	19.5
		Hi Pressure (Psig)	243	261	265	269	274	294	299	303	312	336	340	344	355	382	388	393	401	430	434	440	450	486	495	503
		Lo Pressure (Psig)	119	123	134	146	122	126	137	150	127	129	141	154	131	134	147	160	133	137	151	164	137	141	154	168
	1241	Capacity (MBh)	39.4	40.9	43.4	46.4	38.4	40.0	42.5	45.5	37.4	39.1	41.7	44.8	36.3	38.1	40.6	43.5	34.5	36.4	39.1	41.8	32.0	33.9	36.8	39.5
		Total System Power (kW)	2.94	3.02	3.11	3.21	3.14	3.24	3.33	3.43	3.33	3.43	3.53	3.64	3.50	3.60	3.71	3.82	3.64	3.74	3.86	3.86	3.74	3.86	3.97	3.97
		S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.67	0.50	0.89	0.83	0.68	0.51	0.91	0.85	0.70	0.52	0.94	0.87	0.72	0.54	0.95	0.88	0.72	0.54
		Circuit Ampacity (A)	12.7	13.0	13.3	14.1	13.7	14.0	14.3	15.2	14.6	15.0	15.3	16.3	15.6	15.9	16.3	17.4	16.5	16.8	17.2	18.3	17.3	17.7	18.1	19.2
		Hi Pressure (Psig)	240	258	262	266	271	291	296	300	309	332	337	341	352	378	384	390	397	425	430	436	445	481	490	498
		Lo Pressure (Psig)	118	122	133	145	121	125	136	148	126	128	140	152	129	133	145	158	132	136	149	163	136	140	152	166
	1182	Capacity (MBh)	36.6	38.0	39.9	42.7	35.7	37.2	39.1	41.8	34.8	36.4	38.3	41.2	33.8	35.4	37.4	40.2	32.1	33.9	35.9	38.4	29.8	31.5	33.8	36.3
		Total System Power (kW)	2.91	2.99	3.08	3.18	3.11	3.20	3.30	3.40	3.30	3.40	3.50	3.60	3.46	3.56	3.67	3.78	3.60	3.71	3.82	3.82	3.71	3.82	3.93	3.93
		S/T	0.81	0.75	0.61	0.46	0.84	0.78	0.64	0.48	0.85	0.79	0.65	0.49	0.88	0.81	0.67	0.50	0.89	0.83	0.68	0.51	0.90	0.84	0.69	0.52
		Circuit Ampacity (A)	12.5	12.8	13.1	14.0	13.5	13.9	14.2	15.1	14.5	14.8	15.2	16.1	15.4	15.8	16.1	17.2	16.3	16.7	17.0	18.1	17.1	17.5	17.9	19.0
		Hi Pressure (Psig)	238	256	260	264	268	289	293	297	306	329	333	338	348	374	380	386	393	421	425	432	441	476	485	493
		Lo Pressure (Psig)	117	121	132	144	120	124	135	147	125	127	138	151	128	132	144	157	130	134	148	161	134	138	151	164

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
85	1300	Capacity (MBh)	41.0	43.0	45.6	48.3	40.0	42.1	44.7	48	38.9	41.1	43.8	46.9	37.8	40.0	42.7	45.9	36.0	38.3	41.1	43.9	33.3	35.7	38.6	41.4
		Total System Power (kW)	3.02	3.12	3.21	3.30	3.24	3.33	3.43	3.54	3.43	3.53	3.64	3.75	3.60	3.71	3.82	3.94	3.75	3.86	3.97	3.97	3.86	3.97	4.09	4.09
		S/T	0.93	0.89	0.80	0.65	0.96	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.90	0.73
		Circuit Ampacity (A)	13.1	13.4	13.7	14.2	14.1	14.4	14.7	15.9	15.1	15.4	15.8	16.9	16.1	16.4	16.8	17.9	17.0	17.3	17.7	18.7	17.8	18.2	18.6	19.5
		Hi Pressure (Psig)	245	264	268	272	277	297	302	306	315	339	343	348	359	386	392	397	405	434	438	445	454	490	500	508
		Lo Pressure (Psig)	121	125	136	148	124	127	139	151	129	131	142	155	132	136	148	161	134	139	152	166	139	143	156	170
	1241	Capacity (MBh)	40.1	41.7	44.2	47.3	39.2	40.8	43.3	46.4	38.2	39.9	42.5	45.7	37.1	38.8	41.5	44.4	35.2	37.2	39.8	42.6	32.6	34.6	37.5	40.3
		Total System Power (kW)	2.99	3.08	3.18	3.27	3.20	3.30	3.40	3.50	3.40	3.50	3.60	3.71	3.57	3.67	3.78	3.90	3.71	3.82	3.93	3.93	3.82	3.93	4.05	4.05
		S/T	0.90	0.86	0.78	0.63	0.93	0.90	0.81	0.65	0.95	0.91	0.82	0.67	0.98	0.94	0.84	0.68	1.00	0.97	0.87	0.70	1.00	0.98	0.88	0.71
		Circuit Ampacity (A)	12.7	13.0	13.3	14.1	13.7	14.0	14.3	15.2	14.6	15.0	15.3	16.3	15.6	15.9	16.3	17.4	16.5	16.8	17.2	18.3	17.3	17.7	18.1	19.2
		Hi Pressure (Psig)	243	261	265	269	274	294	299	303	312	336	340	344	355	382	388	393	401	430	434	440	450	486	495	503
		Lo Pressure (Psig)	119	123	134	146	122	126	137	150	127	129	141	154	131	134	147	160	133	137	151	164	137	141	154	168
	1182	Capacity (MBh)	37.3	38.8	40.7	43.5	36.4	37.9	39.9	42.7	35.5	37.1	39.1	42.0	34.5	36.1	38.1	41.0	32.8	34.6	36.6	39.2	30.3	32.2	34.5	37.1
		Total System Power (kW)	2.96	3.05	3.14	3.24	3.17	3.27	3.36	3.47	3.36	3.46	3.57	3.67	3.53	3.64	3.75	3.86	3.67	3.78	3.89	3.89	3.78	3.89	4.01	4.01
		S/T	0.86	0.83	0.74	0.60	0.90	0.86	0.77	0.63	0.91	0.88	0.79	0.64	0.94	0.90	0.81	0.66	0.97	0.93	0.83	0.68	0.98	0.94	0.84	0.68
		Circuit Ampacity (A)	12.5	12.8	13.1	14.0	13.5	13.9	14.2	15.1	14.5	14.8	15.2	16.1	15.4	15.8	16.1	17.2	16.3	16.7	17.0	18.1	17.1	17.5	17.9	19.0
		Hi Pressure (Psig)	240	258	262	266	271	291	296	300	309	332	337	341	352	378	384	390	397	425	429	436	445	481	490	498
		Lo Pressure (Psig)	118	122	133	145	121	125	136	148	126	128	139	152	129	133	145	158	132	136	149	163	136	140	152	166

6. HW13048Na/A-D+ HNF13048/A-D, HWR13048Na/A-D+ HNF13048/A-D

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1400	Capacity (MBh)	43.2	45.4	49.9	-	42.2	44.4	48.9	-	41.1	43.4	48.0	-	39.9	42.2	46.8	-	37.9	40.4	44.9	-	35.1	37.6	42.3	-
		Total System Power (kW)	3.21	3.31	3.41	-	3.43	3.54	3.64	-	3.64	3.75	3.86	-	3.82	3.94	4.06	-	3.98	4.10	4.22	-	4.10	4.22	4.34	-
		S/T	0.69	0.57	0.40	-	0.72	0.60	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.44	-	0.78	0.65	0.45	-
		Circuit Ampacity (A)	14.1	14.4	14.7	-	15.2	15.6	15.9	-	16.3	16.7	17.0	-	17.4	17.7	18.1	-	18.3	18.7	19.1	-	19.2	19.7	20.1	-
		Hi Pressure (Psig)	238	256	260	-	268	289	293	-	306	329	333	-	348	374	380	-	394	421	425	-	441	476	486	-
		Lo Pressure (Psig)	117	121	132	-	120	124	135	-	125	127	138	-	128	132	144	-	131	134	148	-	134	138	151	-
	1341	Capacity (MBh)	42.3	44.0	48.4	-	41.3	43.0	47.4	-	40.2	42.1	46.5	-	39.1	40.9	45.4	-	37.2	39.2	43.6	-	34.4	36.5	41.0	-
		Total System Power (kW)	3.18	3.27	3.37	-	3.40	3.50	3.61	-	3.60	3.71	3.82	-	3.78	3.90	4.02	-	3.94	4.05	4.18	-	4.05	4.18	4.30	-
		S/T	0.67	0.56	0.38	-	0.70	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.60	0.42	-	0.75	0.62	0.43	-	0.76	0.63	0.43	-
		Circuit Ampacity (A)	14.0	14.3	14.6	-	15.1	15.4	15.8	-	16.1	16.5	16.9	-	17.2	17.6	18.0	-	18.1	18.5	19.0	-	19.0	19.5	19.9	-
		Hi Pressure (Psig)	236	253	257	-	266	286	290	-	303	326	330	-	345	371	376	-	390	417	421	-	436	471	481	-
		Lo Pressure Psig)	116	120	130	-	119	122	133	-	124	125	137	-	127	130	142	-	129	133	146	-	133	137	149	-
	1282	Capacity (MBh)	39.4	40.9	44.5	-	38.4	40.0	43.6	-	37.4	39.1	42.8	-	36.3	38.1	41.7	-	34.6	36.4	40.1	-	32.0	33.9	37.7	-
		Total System Power (kW)	3.15	3.24	3.34	-	3.37	3.47	3.57	-	3.57	3.68	3.79	-	3.75	3.86	3.97	-	3.90	4.01	4.13	-	4.01	4.13	4.26	-
		S/T	0.64	0.53	0.37	-	0.63	0.52	0.36	-	0.61	0.51	0.35	-	0.59	0.50	0.34	-	0.56	0.47	0.33	-	0.52	0.44	0.31	-
		Circuit Ampacity (A)	13.8	14.1	14.5	-	14.9	15.3	15.6	-	16.0	16.3	16.7	-	17.0	17.4	17.8	-	17.9	18.4	18.8	-	18.8	19.3	19.7	-
		Hi Pressure (Psig)	233	251	255	-	263	283	287	-	300	322	327	-	341	367	372	-	386	413	417	-	432	467	476	-
		Lo Pressure (Psig)	115	118	129	-	118	121	132	-	122	124	135	-	125	129	141	-	128	132	145	-	132	136	148	-

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	1400	Capacity (MBh)	44.1	46.3	50.9	53.9	43.0	45.2	49.9	54	41.9	44.3	48.9	52.4	40.7	43.1	47.7	51.3	38.7	41.2	45.8	49.1	35.8	38.4	43.1	46.2
		Total System Power (kW)	3.27	3.37	3.47	3.58	3.50	3.61	3.72	3.83	3.71	3.83	3.94	4.06	3.90	4.02	4.14	4.26	4.06	4.18	4.30	4.30	4.18	4.30	4.43	4.43
		S/T	0.79	0.69	0.52	0.33	0.82	0.72	0.54	0.35	0.83	0.73	0.55	0.35	0.86	0.75	0.56	0.36	0.88	0.78	0.58	0.37	0.89	0.78	0.59	0.38
		Circuit Ampacity (A)	14.4	14.7	15.0	15.4	15.5	15.9	16.2	16.6	16.6	17.0	17.4	17.8	17.7	18.1	18.5	18.9	18.7	19.1	19.5	20.0	19.6	20.1	20.5	21.0
		Hi Pressure (Psig)	240	258	262	266	271	291	296	300	309	332	337	341	352	378	384	390	397	425	430	436	445	481	490	498
		Lo Pressure (Psig)	118	122	133	145	121	125	136	148	126	128	140	152	129	133	145	158	132	136	149	163	136	140	152	166
	1341	Capacity (MBh)	43.2	44.9	49.4	52.8	42.1	43.9	48.4	51.8	41.1	42.9	47.5	51.0	39.9	41.8	46.3	49.5	37.9	40.0	44.5	47.6	35.1	37.2	41.8	45.0
		Total System Power (kW)	3.24	3.34	3.44	3.54	3.47	3.57	3.68	3.79	3.68	3.79	3.90	4.02	3.86	3.98	4.10	4.22	4.01	4.14	4.26	4.26	4.14	4.26	4.39	4.39
		S/T	0.76	0.67	0.50	0.32	0.79	0.70	0.52	0.34	0.81	0.71	0.53	0.34	0.83	0.73	0.55	0.35	0.85	0.75	0.56	0.36	0.86	0.76	0.57	0.36
		Circuit Ampacity (A)	14.0	14.3	14.6	15.2	15.1	15.4	15.8	16.4	16.1	16.5	16.9	17.6	17.2	17.6	18.0	18.7	18.1	18.5	19.0	19.8	19.0	19.5	19.9	20.8
		Hi Pressure (Psig)	238	256	260	264	268	289	293	297	306	329	333	338	348	374	380	386	394	421	425	432	441	476	486	493
		Lo Pressure (Psig)	117	121	132	144	120	124	135	147	125	127	138	151	128	132	144	157	131	134	148	161	134	138	151	165
	1282	Capacity (MBh)	40.2	41.7	45.4	48.6	39.2	40.8	44.5	47.6	38.2	39.9	43.7	46.9	37.1	38.8	42.6	45.8	35.3	37.2	40.9	43.8	32.6	34.6	38.5	41.4
		Total System Power (kW)	3.21	3.31	3.40	3.51	3.43	3.54	3.64	3.75	3.64	3.75	3.86	3.98	3.82	3.94	4.05	4.18	3.97	4.09	4.22	4.22	4.09	4.22	4.34	4.34
		S/T	0.73	0.64	0.48	0.31	0.76	0.67	0.50	0.32	0.78	0.68	0.51	0.33	0.80	0.70	0.53	0.34	0.82	0.72	0.54	0.35	0.83	0.73	0.55	0.35
		Circuit Ampacity (A)	13.8	14.1	14.5	15.1	14.9	15.3	15.6	16.3	16.0	16.3	16.7	17.4	17.0	17.4	17.8	18.6	17.9	18.4	18.8	19.6	18.8	19.3	19.7	20.6
		Hi Pressure (Psig)	236	253	257	261	266	286	290	294	303	326	330	334	345	371	376	382	390	417	421	427	436	471	481	488
		Lo Pressure (Psig)	116	120	130	142	119	122	133	145	124	125	137	149	127	130	142	155	129	133	146	160	133	137	149	163

HW13048Na/A-D+ HNF13048/A-D, HWR13048Na/A-D+ HNF13048/A-D

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1400	Capacity (MBh)	44.9	47.2	50.0	53.0	43.9	46.2	49.0	53	42.7	45.1	48.1	51.5	41.5	43.9	46.9	50.4	39.5	42.0	45.1	48.2	36.5	39.1	42.4	45.4
		Total System Power (kW)	3.34	3.44	3.54	3.65	3.57	3.68	3.79	3.90	3.79	3.90	4.02	4.14	3.98	4.10	4.22	4.35	4.14	4.26	4.39	4.39	4.26	4.39	4.52	4.52
		S/T	0.87	0.80	0.66	0.49	0.90	0.84	0.69	0.51	0.92	0.85	0.70	0.52	0.94	0.87	0.72	0.54	0.97	0.90	0.74	0.55	0.98	0.91	0.75	0.56
		Circuit Ampacity (A)	14.4	14.7	15.0	15.7	15.5	15.9	16.2	17.5	16.6	17.0	17.4	18.6	17.7	18.1	18.5	19.7	18.7	19.1	19.5	20.6	19.6	20.1	20.5	21.5
		Hi Pressure (Psig)	243	261	265	269	274	294	299	303	312	336	340	344	355	382	388	393	401	430	434	440	450	486	495	503
		Lo Pressure (Psig)	119	123	134	146	122	126	137	150	127	129	141	154	131	134	147	160	133	137	151	164	137	141	154	168
	1341	Capacity (MBh)	44.0	45.8	48.5	51.9	43.0	44.8	47.6	50.9	41.9	43.8	46.6	50.1	40.7	42.6	45.5	48.7	38.7	40.8	43.7	46.8	35.8	38.0	41.1	44.2
		Total System Power (kW)	3.31	3.41	3.51	3.61	3.54	3.64	3.75	3.87	3.75	3.86	3.98	4.10	3.94	4.06	4.18	4.30	4.09	4.22	4.34	4.34	4.22	4.34	4.47	4.47
		S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.67	0.50	0.89	0.83	0.68	0.51	0.91	0.85	0.70	0.52	0.94	0.87	0.72	0.54	0.95	0.88	0.72	0.54
		Circuit Ampacity (A)	14.0	14.3	14.6	15.5	15.1	15.4	15.8	16.8	16.1	16.5	16.9	18.0	17.2	17.6	18.0	19.1	18.1	18.5	19.0	20.2	19.0	19.5	19.9	21.2
		Hi Pressure (Psig)	240	258	262	266	271	291	296	300	309	332	337	341	352	378	384	390	397	425	430	436	445	481	490	498
		Lo Pressure (Psig)	118	122	133	145	121	125	136	148	126	128	140	152	129	133	145	158	132	136	149	163	136	140	152	166
	1282	Capacity (MBh)	41.0	42.6	44.6	47.8	40.0	41.6	43.7	46.8	38.9	40.7	42.9	46.1	37.8	39.6	41.8	45.0	36.0	37.9	40.2	43.0	33.3	35.3	37.8	40.7
		Total System Power (kW)	3.27	3.37	3.47	3.58	3.50	3.61	3.72	3.83	3.71	3.82	3.94	4.06	3.90	4.02	4.14	4.26	4.05	4.18	4.30	4.30	4.18	4.30	4.43	4.43
		S/T	0.81	0.75	0.61	0.46	0.84	0.78	0.64	0.48	0.85	0.79	0.65	0.49	0.88	0.81	0.67	0.50	0.89	0.83	0.68	0.51	0.90	0.84	0.69	0.52
		Circuit Ampacity (A)	13.8	14.1	14.5	15.4	14.9	15.3	15.6	16.6	16.0	16.3	16.7	17.8	17.0	17.4	17.8	18.9	17.9	18.4	18.8	20.0	18.8	19.3	19.7	21.0
		Hi Pressure (Psig)	238	256	260	264	268	289	293	297	306	329	333	338	348	374	380	386	393	421	425	432	441	476	485	493
		Lo Pressure (Psig)	117	121	132	144	120	124	135	147	125	127	138	151	128	132	144	157	130	134	148	161	134	138	151	164

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
85	1400	Capacity (MBh)	45.8	48.1	51.0	54.1	44.7	47.1	50.0	54	43.6	46.0	49.1	52.5	42.3	44.8	47.8	51.4	40.2	42.9	46.0	49.2	37.3	39.9	43.3	46.3
		Total System Power (kW)	3.41	3.51	3.61	3.72	3.64	3.75	3.87	3.98	3.86	3.98	4.10	4.22	4.06	4.18	4.30	4.43	4.22	4.35	4.48	4.48	4.35	4.48	4.61	4.61
		S/T	0.93	0.89	0.80	0.65	0.96	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.90	0.73
		Circuit Ampacity (A)	14.4	14.7	15.0	15.7	15.5	15.9	16.2	17.5	16.6	17.0	17.4	18.6	17.7	18.1	18.5	19.7	18.7	19.1	19.5	20.6	19.6	20.1	20.5	21.5
		Hi Pressure (Psig)	245	264	268	272	277	297	302	306	315	339	343	348	359	386	392	397	405	434	438	445	454	490	500	508
		Lo Pressure (Psig)	121	125	136	148	124	127	139	151	129	131	142	155	132	136	148	161	134	139	152	166	139	143	156	170
	1341	Capacity (MBh)	44.9	46.7	49.5	53.0	43.8	45.7	48.5	51.9	42.7	44.7	47.6	51.2	41.5	43.5	46.4	49.6	39.4	41.6	44.6	47.7	36.5	38.7	42.0	45.1
		Total System Power (kW)	3.37	3.47	3.58	3.69	3.61	3.72	3.83	3.94	3.82	3.94	4.06	4.18	4.02	4.14	4.26	4.39	4.18	4.30	4.43	4.43	4.30	4.43	4.56	4.56
		S/T	0.90	0.86	0.78	0.63	0.93	0.90	0.81	0.65	0.95	0.91	0.82	0.67	0.98	0.94	0.84	0.68	1.00	0.97	0.87	0.70	1.00	0.98	0.88	0.71
		Circuit Ampacity (A)	14.0	14.3	14.6	15.5	15.1	15.4	15.8	16.8	16.1	16.5	16.9	18.0	17.2	17.6	18.0	19.1	18.1	18.5	19.0	20.2	19.0	19.5	19.9	21.2
		Hi Pressure (Psig)	243	261	265	269	274	294	299	303	312	336	340	344	355	382	388	393	401	430	434	440	450	486	495	503
		Lo Pressure (Psig)	119	123	134	146	122	126	137	150	127	129	141	154	131	134	147	160	133	137	151	164	137	141	154	168
	1282	Capacity (MBh)	41.8	43.4	45.5	48.7	40.8	42.5	44.6	47.7	39.7	41.5	43.8	47.1	38.6	40.4	42.7	45.9	36.7	38.7	41.0	43.9	34.0	36.0	38.6	41.5
		Total System Power (kW)	3.34	3.44	3.54	3.65	3.57	3.68	3.79	3.90	3.79	3.90	4.02	4.14	3.98	4.10	4.22	4.34	4.14	4.26	4.39	4.39	4.26	4.39	4.52	4.52
		S/T	0.86	0.83	0.74	0.60	0.90	0.86	0.77	0.63	0.91	0.88	0.79	0.64	0.94	0.90	0.81	0.66	0.97	0.93	0.83	0.68	0.98	0.94	0.84	0.68
		Circuit Ampacity (A)	13.8	14.1	14.5	15.4	14.9	15.3	15.6	16.6	16.0	16.3	16.7	17.8	17.0	17.4	17.8	18.9	17.9	18.4	18.8	20.0	18.8	19.3	19.7	21.0
		Hi Pressure (Psig)	240	258	262	266	271	291	296	300	309	332	337	341	352	378	384	390	397	425	429	436	445	481	490	498
		Lo Pressure (Psig)	118	122	133	145	121	125	136	148	126	128	139	152	129	133	145	158	132	136	149	163	136	140	152	166

7. HW13060Na/A-D+ HNF13060/A-D

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1650	Capacity (MBh)	53.6	56.3	61.9	-	52.3	55.0	60.7	-	51.0	53.8	59.5	-	49.5	52.4	58.0	-	47.1	50.1	55.8	-	43.6	46.7	52.5	-
		Total System Power (kW)	3.90	4.02	4.14	-	4.17	4.30	4.43	-	4.42	4.56	4.69	-	4.64	4.78	4.93	-	4.83	4.98	5.12	-	4.98	5.12	5.28	-
		S/T	0.69	0.57	0.40	-	0.72	0.60	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.44	-	0.78	0.65	0.45	-
		Circuit Ampacity (A)	17.6	18.0	18.4	-	19.0	19.4	19.9	-	20.3	20.8	21.3	-	21.7	22.2	22.7	-	22.9	23.4	23.9	-	24.0	24.5	25.1	-
		Hi Pressure (Psig)	238	256	260	-	268	289	293	-	306	329	333	-	348	374	380	-	394	421	425	-	441	476	486	-
		Lo Pressure (Psig)	117	121	132	-	120	124	135	-	125	127	138	-	128	132	144	-	131	134	148	-	134	138	151	-
	1591	Capacity (MBh)	52.5	54.6	60.1	-	51.3	53.4	58.8	-	49.9	52.2	57.7	-	48.5	50.8	56.3	-	46.1	48.6	54.1	-	42.7	45.3	50.9	-
		Total System Power (kW)	3.86	3.98	4.10	-	4.13	4.26	4.38	-	4.38	4.51	4.65	-	4.60	4.74	4.88	-	4.78	4.93	5.07	-	4.93	5.07	5.23	-
		S/T	0.67	0.56	0.38	-	0.70	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.60	0.42	-	0.75	0.62	0.43	-	0.76	0.63	0.43	-
		Circuit Ampacity (A)	17.4	17.8	18.2	-	18.8	19.2	19.7	-	20.1	20.6	21.1	-	21.4	21.9	22.4	-	22.6	23.1	23.7	-	23.8	24.3	24.8	-
		Hi Pressure (Psig)	236	253	257	-	266	286	290	-	303	326	330	-	345	371	376	-	390	417	421	-	436	471	481	-
		Lo Pressure Psig)	116	120	130	-	119	122	133	-	124	125	137	-	127	130	142	-	129	133	146	-	133	137	149	-
	1532	Capacity (MBh)	48.9	50.8	55.2	-	47.7	49.7	54.1	-	46.4	48.6	53.1	-	45.1	47.2	51.8	-	42.9	45.2	49.8	-	39.7	42.1	46.8	-
		Total System Power (kW)	3.82	3.94	4.06	-	4.09	4.21	4.34	-	4.34	4.47	4.60	-	4.55	4.69	4.83	-	4.73	4.88	5.02	-	4.88	5.02	5.17	-
		S/T	0.64	0.53	0.37	-	0.63	0.52	0.36	-	0.61	0.51	0.35	-	0.59	0.50	0.34	-	0.56	0.47	0.33	-	0.52	0.44	0.31	-
		Circuit Ampacity (A)	17.2	17.6	18.0	-	18.6	19.1	19.5	-	19.9	20.4	20.8	-	21.2	21.7	22.2	-	22.4	22.9	23.4	-	23.5	24.1	24.6	-
		Hi Pressure (Psig)	233	251	255	-	263	283	287	-	300	322	327	-	341	367	372	-	386	413	417	-	432	467	476	-
		Lo Pressure (Psig)	115	118	129	-	118	121	132	-	122	124	135	-	125	129	141	-	128	132	145	-	132	136	148	-

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	1650	Capacity(MBh)	54.7	57.4	63.1	66.9	53.4	56.1	61.9	67	52.0	54.9	60.7	65.0	50.5	53.4	59.2	63.6	48.0	51.1	56.9	60.9	44.4	47.6	53.5	57.3
		Total System Power (kW)	3.98	4.10	4.22	4.35	4.26	4.38	4.52	4.65	4.51	4.65	4.79	4.93	4.74	4.88	5.03	5.18	4.93	5.07	5.23	5.23	5.07	5.23	5.38	5.38
		S/T	0.79	0.69	0.52	0.33	0.82	0.72	0.54	0.35	0.83	0.73	0.55	0.35	0.86	0.75	0.56	0.36	0.88	0.78	0.58	0.37	0.89	0.78	0.59	0.38
		Circuit Ampacity (A)	18.0	18.4	18.8	19.2	19.4	19.8	20.3	20.7	20.7	21.2	21.7	22.2	22.1	22.6	23.1	23.6	23.3	23.8	24.4	24.9	24.5	25.0	25.6	26.2
		Hi Pressure (Psig)	240	258	262	266	271	291	296	300	309	332	337	341	352	378	384	390	397	425	430	436	445	481	490	498
		Lo Pressure (Psig)	118	122	133	145	121	125	136	148	126	128	140	152	129	133	145	158	132	136	149	163	136	140	152	166
	1591	Capacity (MBh)	53.6	55.7	61.3	65.5	52.3	54.5	60.0	64.2	50.9	53.3	58.9	63.3	49.5	51.8	57.4	61.4	47.0	49.6	55.2	59.0	43.6	46.2	51.9	55.8
		Total System Power (kW)	3.94	4.06	4.18	4.30	4.21	4.34	4.47	4.60	4.47	4.60	4.74	4.88	4.69	4.83	4.98	5.12	4.88	5.02	5.17	5.17	5.02	5.17	5.33	5.33
		S/T	0.76	0.67	0.50	0.32	0.79	0.70	0.52	0.34	0.81	0.71	0.53	0.34	0.83	0.73	0.55	0.35	0.85	0.75	0.56	0.36	0.86	0.76	0.57	0.36
		Circuit Ampacity (A)	17.4	17.8	18.2	19.0	18.8	19.2	19.7	20.5	20.1	20.6	21.1	22.0	21.4	21.9	22.4	23.4	22.6	23.1	23.7	24.7	23.8	24.3	24.8	25.9
		Hi Pressure (Psig)	238	256	260	264	268	289	293	297	306	329	333	338	348	374	380	386	394	421	425	432	441	476	486	493
		Lo Pressure (Psig)	117	121	132	144	120	124	135	147	125	127	138	151	128	132	144	157	131	134	148	161	134	138	151	165
	1532	Capacity (MBh)	49.8	51.8	56.4	60.3	48.6	50.6	55.2	59.1	47.4	49.5	54.2	58.2	46.0	48.2	52.8	56.8	43.7	46.1	50.8	54.3	40.5	42.9	47.8	51.3
		Total System Power (kW)	3.90	4.02	4.14	4.26	4.17	4.30	4.43	4.56	4.42	4.55	4.69	4.83	4.64	4.78	4.93	5.07	4.83	4.97	5.12	5.12	4.97	5.12	5.28	5.28
		S/T	0.73	0.64	0.48	0.31	0.76	0.67	0.50	0.32	0.78	0.68	0.51	0.33	0.80	0.70	0.53	0.34	0.82	0.72	0.54	0.35	0.83	0.73	0.55	0.35
		Circuit Ampacity (A)	17.2	17.6	18.0	18.8	18.6	19.1	19.5	20.3	19.9	20.4	20.8	21.7	21.2	21.7	22.2	23.2	22.4	22.9	23.4	24.4	23.5	24.1	24.6	25.7
		Hi Pressure (Psig)	236	253	257	261	266	286	290	294	303	326	330	334	345	371	376	382	390	417	421	427	436	471	481	488
		Lo Pressure (Psig)	116	120	130	142	119	122	133	145	124	125	137	149	127	130	142	155	129	133	146	160	133	137	149	163

HW13060Na/A-D+ HNF13060/A-D

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1650	Capacity (MBh)	55.8	58.6	62.1	65.8	54.4	57.3	60.8	65	53.0	56.0	59.7	63.8	51.5	54.5	58.2	62.5	49.0	52.2	55.9	59.8	45.3	48.6	52.6	56.3
		Total System Power (kW)	4.06	4.18	4.30	4.43	4.34	4.47	4.61	4.74	4.60	4.74	4.88	5.03	4.83	4.98	5.13	5.28	5.03	5.18	5.33	5.33	5.18	5.33	5.49	5.49
		S/T	0.87	0.80	0.66	0.49	0.90	0.84	0.69	0.51	0.92	0.85	0.70	0.52	0.94	0.87	0.72	0.54	0.97	0.90	0.74	0.55	0.98	0.91	0.75	0.56
		Circuit Ampacity (A)	18.0	18.4	18.8	19.6	19.4	19.8	20.3	21.9	20.7	21.2	21.7	23.2	22.1	22.6	23.1	24.6	23.3	23.8	24.4	25.7	24.5	25.0	25.6	26.9
		Hi Pressure (Psig)	243	261	265	269	274	294	299	303	312	336	340	344	355	382	388	393	401	430	434	440	450	486	495	503
		Lo Pressure (Psig)	119	123	134	146	122	126	137	150	127	129	141	154	131	134	147	160	133	137	151	164	137	141	154	168
	1591	Capacity (MBh)	54.7	56.8	60.2	64.4	53.3	55.5	59.0	63.1	52.0	54.3	57.9	62.2	50.4	52.9	56.4	60.4	48.0	50.6	54.2	58.0	44.4	47.1	51.0	54.9
		Total System Power (kW)	4.02	4.14	4.26	4.39	4.30	4.43	4.56	4.70	4.56	4.69	4.83	4.98	4.78	4.93	5.08	5.23	4.98	5.12	5.28	5.28	5.12	5.28	5.44	5.44
		S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.67	0.50	0.89	0.83	0.68	0.51	0.91	0.85	0.70	0.52	0.94	0.87	0.72	0.54	0.95	0.88	0.72	0.54
		Circuit Ampacity (A)	17.4	17.8	18.2	19.4	18.8	19.2	19.7	20.9	20.1	20.6	21.1	22.4	21.4	21.9	22.4	23.9	22.6	23.1	23.7	25.2	23.8	24.3	24.8	26.4
		Hi Pressure (Psig)	240	258	262	266	271	291	296	300	309	332	337	341	352	378	384	390	397	425	430	436	445	481	490	498
		Lo Pressure (Psig)	118	122	133	145	121	125	136	148	126	128	140	152	129	133	145	158	132	136	149	163	136	140	152	166
	1532	Capacity (MBh)	50.8	52.8	55.4	59.3	49.6	51.7	54.3	58.1	48.3	50.5	53.2	57.2	46.9	49.2	51.9	55.8	44.6	47.0	49.9	53.4	41.3	43.8	46.9	50.5
		Total System Power (kW)	3.98	4.10	4.22	4.35	4.26	4.38	4.51	4.65	4.51	4.65	4.79	4.93	4.74	4.88	5.02	5.18	4.93	5.07	5.23	5.23	5.07	5.23	5.38	5.38
		S/T	0.81	0.75	0.61	0.46	0.84	0.78	0.64	0.48	0.85	0.79	0.65	0.49	0.88	0.81	0.67	0.50	0.89	0.83	0.68	0.51	0.90	0.84	0.69	0.52
		Circuit Ampacity (A)	17.2	17.6	18.0	19.2	18.6	19.1	19.5	20.7	19.9	20.4	20.8	22.2	21.2	21.7	22.2	23.6	22.4	22.9	23.4	24.9	23.5	24.1	24.6	26.2
		Hi Pressure (Psig)	238	256	260	264	268	289	293	297	306	329	333	338	348	374	380	386	393	421	425	432	441	476	485	493
		Lo Pressure (Psig)	117	121	132	144	120	124	135	147	125	127	138	151	128	132	144	157	130	134	148	161	134	138	151	164

			Outdoor Ambient Temperature																							
			65 ℉				75 ℉				85 ℉				95 ℉				105 ℉				115 ℉			
			Entering Indoor Wet Bulb Temperature (℉)																							
IDB(℉)	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
85	1650	Capacity (MBh)	56.9	59.7	63.3	67.1	55.5	58.4	62.0	67	54.1	57.1	60.9	65.1	52.5	55.6	59.3	63.8	49.9	53.2	57.0	61.0	46.2	49.5	53.7	57.4
		Total System Power (kW)	4.14	4.26	4.39	4.52	4.43	4.56	4.70	4.84	4.69	4.83	4.98	5.13	4.93	5.08	5.23	5.39	5.13	5.28	5.44	5.44	5.28	5.44	5.60	5.60
		S/T	0.93	0.89	0.80	0.65	0.96	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.90	0.73
		Circuit Ampacity (A)	18.0	18.4	18.8	19.6	19.4	19.8	20.3	21.9	20.7	21.2	21.7	23.2	22.1	22.6	23.1	24.6	23.3	23.8	24.4	25.7	24.5	25.0	25.6	26.9
		Hi Pressure (Psig)	245	264	268	272	277	297	302	306	315	339	343	348	359	386	392	397	405	434	438	445	454	490	500	508
		Lo Pressure (Psig)	121	125	136	148	124	127	139	151	129	131	142	155	132	136	148	161	134	139	152	166	139	143	156	170
	1591	Capacity (MBh)	55.7	57.9	61.4	65.7	54.4	56.7	60.2	64.4	53.0	55.4	59.0	63.5	51.5	53.9	57.6	61.6	48.9	51.6	55.3	59.2	45.3	48.0	52.1	56.0
		Total System Power (kW)	4.10	4.22	4.35	4.48	4.38	4.52	4.65	4.79	4.65	4.79	4.93	5.08	4.88	5.03	5.18	5.33	5.07	5.23	5.38	5.38	5.23	5.38	5.55	5.55
		S/T	0.90	0.86	0.78	0.63	0.93	0.90	0.81	0.65	0.95	0.91	0.82	0.67	0.98	0.94	0.84	0.68	1.00	0.97	0.87	0.70	1.00	0.98	0.88	0.71
		Circuit Ampacity (A)	17.4	17.8	18.2	19.4	18.8	19.2	19.7	20.9	20.1	20.6	21.1	22.4	21.4	21.9	22.4	23.9	22.6	23.1	23.7	25.2	23.8	24.3	24.8	26.4
		Hi Pressure (Psig)	243	261	265	269	274	294	299	303	312	336	340	344	355	382	388	393	401	430	434	440	450	486	495	503
		Lo Pressure (Psig)	119	123	134	146	122	126	137	150	127	129	141	154	131	134	147	160	133	137	151	164	137	141	154	168
	1532	Capacity (MBh)	51.8	53.9	56.5	60.5	50.6	52.7	55.4	59.2	49.3	51.5	54.3	58.4	47.9	50.1	53.0	56.9	45.5	48.0	50.9	54.5	42.1	44.7	47.9	51.5
		Total System Power (kW)	4.06	4.18	4.30	4.43	4.34	4.47	4.60	4.74	4.60	4.74	4.88	5.03	4.83	4.98	5.12	5.28	5.02	5.17	5.33	5.33	5.17	5.33	5.49	5.49
		S/T	0.86	0.83	0.74	0.60	0.90	0.86	0.77	0.63	0.91	0.88	0.79	0.64	0.94	0.90	0.81	0.66	0.97	0.93	0.83	0.68	0.98	0.94	0.84	0.68
		Circuit Ampacity (A)	17.2	17.6	18.0	19.2	18.6	19.1	19.5	20.7	19.9	20.4	20.8	22.2	21.2	21.7	22.2	23.6	22.4	22.9	23.4	24.9	23.5	24.1	24.6	26.2
		Hi Pressure (Psig)	240	258	262	266	271	291	296	300	309	332	337	341	352	378	384	390	397	425	429	436	445	481	490	498
		Lo Pressure (Psig)	118	122	133	145	121	125	136	148	126	128	139	152	129	133	145	158	132	136	149	163	136	140	152	166

4.3 Expanded Heating Data

HWR13018Na/A-D +HNF13018/A-D

Outdoor Ambient Temperature(℉)												
	65	60	55	50	47	45	40	35	30	25	20	17
Capacity (KBtu/h)	22.1	20.6	19.3	18.0	17.5	16.8	15.7	14.6	13.5	12.5	11.6	10.7
Total System Power (kW)	1.65	1.61	1.57	1.53	1.50	1.49	1.46	1.44	1.41	1.39	1.37	1.34
Circuit Ampacity (A)	7.47	7.29	7.11	6.94	6.80	6.73	6.62	6.51	6.40	6.29	6.19	6.09
COP (W/W)	3.9	3.8	3.6	3.5	3.4	3.3	3.2	3.0	2.8	2.6	2.5	2.3
EER (Btu/h.w)	13.4	12.8	12.3	11.8	11.7	11.3	10.8	10.1	9.5	9.0	8.5	8.0
Hi Pressure (Psig)	376	360	344	330	320	314	303	292	281	271	262	252
Lo Pressure (Psig)	136	126	117	109	104	99	92	86	80	74	69	64

HWR13024Na/A-D +HNF13024/A-D

Outdoor Ambient Temperature (℉)												
	65	60	55	50	47	45	40	35	30	25	20	17
Capacity (MBh)	29.3	27.4	25.6	23.9	23.2	22.3	20.8	19.3	17.9	16.6	15.3	14.2
Total System Power(kW)	2.20	2.14	2.09	2.04	2.00	1.98	1.95	1.91	1.88	1.85	1.82	1.79
Circuit Ampacity(A)	9.89	9.64	9.41	9.18	9.00	8.91	8.76	8.62	8.47	8.33	8.19	8.05
COP (W/W)	3.9	3.7	3.6	3.4	3.4	3.3	3.1	3.0	2.8	2.6	2.5	2.3
EER (Btu/h.W)	13.3	12.8	12.2	11.7	11.6	11.3	10.7	10.1	9.5	8.9	8.4	7.9
Hi Pressure(Pisg)	377	361	346	331	321	315	303	293	282	272	262	253
Lo Pressure(Pisg)	138	129	120	111	106	101	94	87	81	76	70	65

HWR13030Na/A-D +HNF13030/A-D

Outdoor Ambient Temperature (℉)												
	65	60	55	50	47	45	40	35	30	25	20	17
Capacity (MBh)	38.0	35.5	33.2	31.0	30.1	28.9	27	25	23.2	21.5	19.9	18.4
Total System Power(kW)	2.86	2.79	2.72	2.65	2.60	2.57	2.53	2.49	2.45	2.41	2.37	2.33
Circuit Ampacity(A)	12.63	12.32	12.02	11.73	11.50	11.39	11.20	11.01	10.82	10.64	10.47	10.29
COP (W/W)	3.9	3.7	3.6	3.4	3.4	3.3	3.1	2.9	2.8	2.6	2.5	2.3
EER (Btu/h.W)	13.3	12.7	12.2	11.7	11.6	11.2	10.7	10.1	9.5	8.9	8.4	7.9
Hi Pressure(Pisg)	377	361	346	331	321	315	303	293	282	272	262	253
Lo Pressure(Pisg)	138	129	120	111	106	101	94	87	81	76	70	65

HWR13036Na/A-D +HNF13036/A-D

Outdoor Ambient Temperature (℉)												
	65	60	55	50	47	45	40	35	30	25	20	17
Capacity (MBh)	44.2	41.3	38.6	36.1	35.0	33.7	31.5	29.1	27	25	23.1	21.4
Total System Power(kW)	3.30	3.21	3.14	3.06	3.00	2.97	2.92	2.87	2.82	2.78	2.73	2.68
Circuit Ampacity(A)	14.83	14.47	14.11	13.77	13.50	13.37	13.14	12.92	12.71	12.49	12.29	12.08
COP (W/W)	3.9	3.8	3.6	3.5	3.4	3.3	3.2	3.0	2.8	2.6	2.5	2.3
EER (Btu/h.W)	13.4	12.8	12.3	11.8	11.7	11.3	10.8	10.1	9.5	9.0	8.5	8.0
Hi Pressure(Pisg)	378	362	347	332	322	316	304	294	283	273	263	254
Lo Pressure(Pisg)	138	129	120	111	106	101	94	87	81	76	70	65

HWR13042Na/A-D +HNF13042/A-D

Outdoor Ambient Temperature(℉)												
	65	60	55	50	47	45	40	35	30	25	20	17
Capacity (KBtu/h)	52.0	48.6	45.4	42.4	41.2	39.6	37	34.3	31.7	29.4	27.2	25.2
Total System Power (kW)	3.73	3.64	3.55	3.47	3.40	3.37	3.31	3.25	3.20	3.15	3.09	3.04
Circuit Ampacity (A)	16.48	16.07	15.68	15.30	15.00	14.85	14.60	14.36	14.12	13.88	13.65	13.42
COP (W/W)	4.1	3.9	3.7	3.6	3.6	3.4	3.3	3.1	2.9	2.7	2.6	2.4
EER (Btu/h.w)	13.9	13.3	12.8	12.2	12.1	11.8	11.2	10.5	9.9	9.3	8.8	8.3
Hi Pressure (Psig)	378	362	347	332	322	316	304	294	283	273	263	254
Lo Pressure (Psig)	138	129	120	111	106	101	94	87	81	76	70	65

HWR13048Na/A-D +HNF13048/A-D

Outdoor Ambient Temperature(℉)												
	65	60	55	50	47	45	40	35	30	25	20	17
Capacity (KBtu/h)	58.2	54.4	50.8	47.5	46.1	44.3	41.4	38.4	35.5	32.9	30.5	28.2
Total System Power (kW)	4.15	4.05	3.95	3.86	3.78	3.74	3.68	3.62	3.56	3.50	3.44	3.38
Circuit Ampacity (A)	18.12	17.68	17.25	16.83	16.50	16.34	16.06	15.80	15.53	15.27	15.02	14.77
COP (W/W)	4.1	3.9	3.8	3.6	3.6	3.5	3.3	3.1	2.9	2.8	2.6	2.4
EER (Btu/h.w)	14.0	13.4	12.9	12.3	12.2	11.8	11.3	10.6	10.0	9.4	8.9	8.3
Hi Pressure (Psig)	380	363	348	333	323	317	305	294	284	274	264	255
Lo Pressure (Psig)	140	130	121	112	107	102	95	88	82	76	71	66

HWR13060Na/A-D +HNF13060/A-D

Outdoor Ambient Temperature(℉)												
	65	60	55	50	47	45	40	35	30	25	20	17
Capacity (KBtu/h)	69.4	64.9	60.6	56.7	55.0	52.9	49.4	45.8	42.4	39.2	36.3	33.6
Total System Power (kW)	5.05	4.93	4.81	4.69	4.60	4.55	4.48	4.40	4.33	4.26	4.19	4.12
Circuit Ampacity (A)	24.71	24.11	23.52	22.95	22.50	22.28	21.90	21.54	21.18	20.82	20.48	20.13
COP (W/W)	4.0	3.9	3.7	3.5	3.5	3.4	3.2	3.0	2.9	2.7	2.5	2.4
EER (Btu/h.w)	13.7	13.2	12.6	12.1	12.0	11.6	11.0	10.4	9.8	9.2	8.7	8.2
Hi Pressure (Psig)	380	363	348	333	323	317	305	294	284	274	264	255
Lo Pressure (Psig)	140	130	121	112	107	102	95	88	82	76	71	66

Note:

① Circuit Ampacity = condensing unit amps (comp.+ fan)+indoor unit amps.
② High and low pressures are measured at the liquid and suction service valves.
③ Calculation are based on nominal CFM and 70 ℉ indoor dry bulb.

4.4 AHRI Listed Ratings

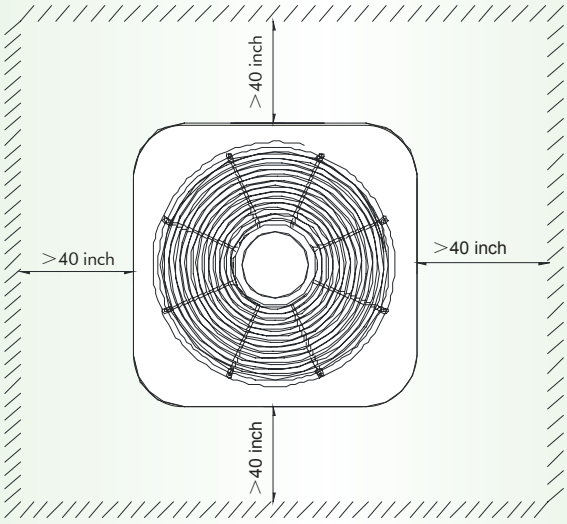
Outdoor Unit	Indoor Units	Cooling Capacity(Btu/h)				Heating Capicity(Btu/h)		
		Total	Sens.	SEER ①	EER ②	Total	HSPF	COP
HW13018Na/A-D	HNF13018/A-D	18000	13500	13	10.3	-	-	-
HW13024Na/A-D	HNF13024/A-D	24000	18000	13	11.4	-	-	-
HW13030Na/A-D	HNF13030/A-D	30000	22500	13	10.65	-	-	-
HW13036Na/A-D	HNF13036/A-D	36000	27000	13	11.2	-	-	-
HW13042Na/A-D	HNF13042/A-D	42000	31500	13	10.9	-	-	-
HW13048Na/A-D	HNF13048/A-D	47000	35250	13	11.2	-	-	-
HW13060Na/A-D	HNF13060/A-D	56000	42000	13	11	-	-	-
HWR13018Na/A-D	HNF13018/A-D	18000	14700	13	11.1	17500	7.7	11.67
HWR13024Na/A-D	HNF13024/A-D	24000	18000	13	11.1	23000	7.7	11.5
HWR13030Na/A-D	HNF13030/A-D	30000	22500	13	10.65	30000	7.7	11.5
HWR13036Na/A-D	HNF13036/A-D	35000	26600	13	11.2	34000	7.7	11.25
HWR13042Na/A-D	HNF13042/A-D	41000		13	11.2	39500	7.7	11.6
HWR13048Na/A-D	HNF13048/A-D	46000	34630	13	11	45000	7.7	11.9
HWR13060Na/A-D	HNF13060/A-D	58000		13	11.3	55000	7.7	12

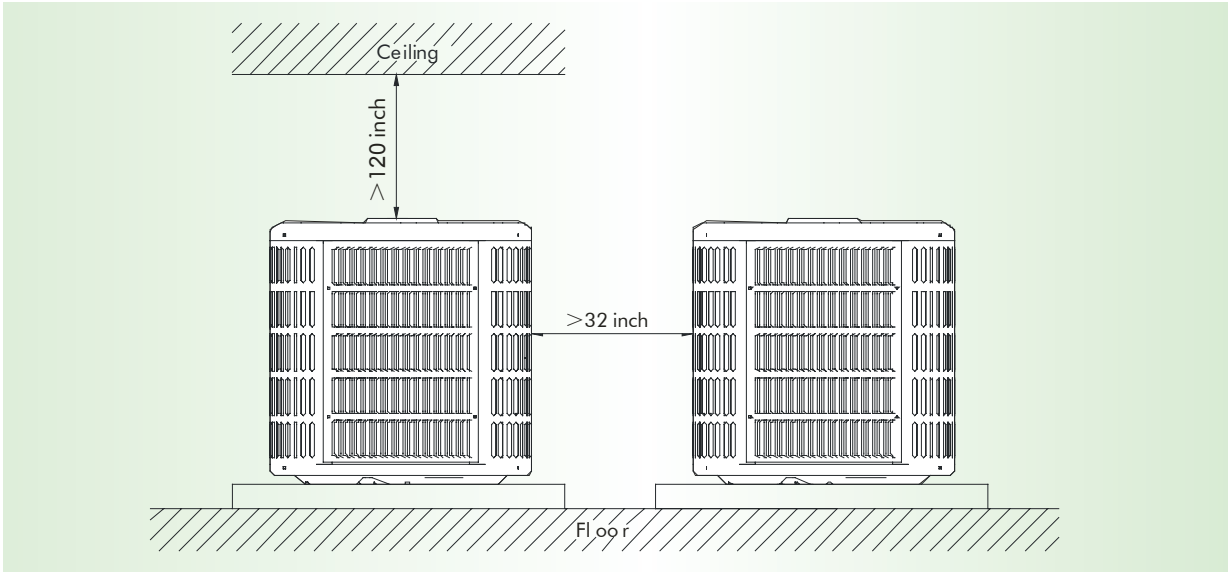
Note:

① Seasonal Energy Efficiency Ratio; Tested per ARI 210/240 @ 80 ℉ /67 ℉ /95 ℉ .
② Energy Efficiency Ratio @80 ℉ /67 ℉ /95 ℉ .
③ TVA Rating: Btu/h@75 ℉ /63 ℉ -95 ℉ .
④ HSPF=Heating Seasonal Performance Factor.

5 CLEARANCE DATA

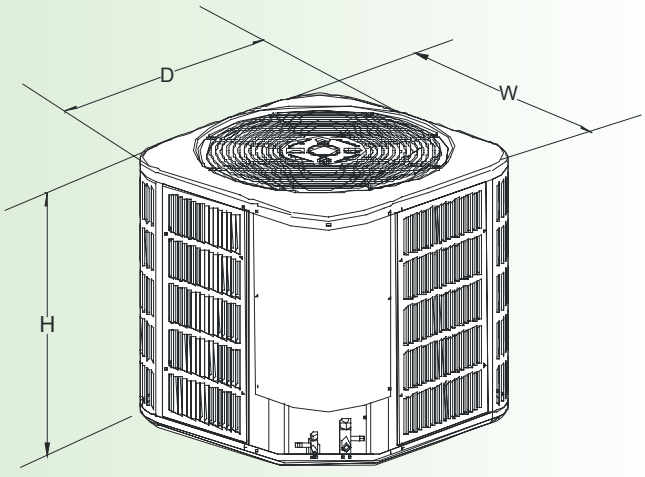
Clearance Data of Condensing Units





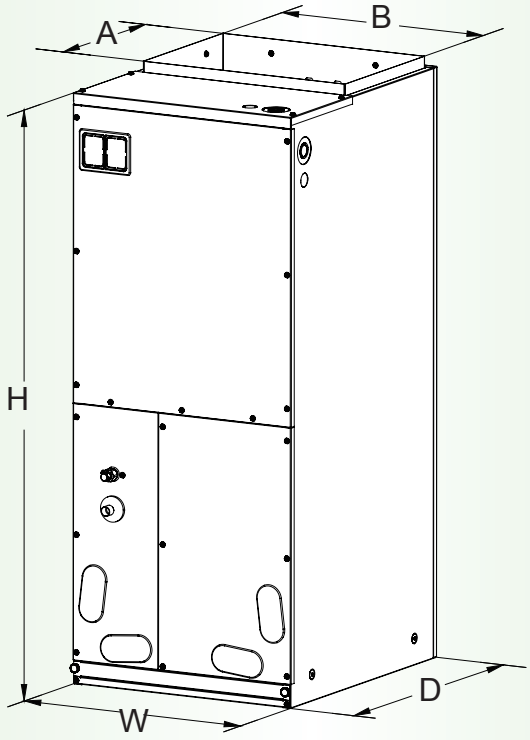
6 DIMENSIONAL DATA

6.1 Dimensional Data of Condensing Units



MODEL	DIMENSION		
	H"	D"	W"
HW13018Na/A-D	24	21 1/2	21 1/2
HW13024Na/A-D	24 1/2	24	24
HW13030Na/A-D	29	24	24
HW13036Na/A-D	29	28	28
HW13042Na/A-D	29	28	28
HW13048Na/A-D	29	28	28
HW13060Na/A-D	33 1/2	29 1/2	29 1/2
HWR13018Na/A-D	24 1/2	24	24
HWR13024Na/A-D	24 1/2	24	24
HWR13030Na/A-D	29	28	28
HWR13036Na/A-D	29	28	28
HWR13042Na/A-D	29	28	28
HWR13048Na/A-D	33 1/2	28	28
HWR13060Na/A-D	33 1/2	29 1/2	29 1/2

6.2 Dimensional Data of Air Handlers



MODEL	DIMENSION				
	W"	D"	H"	B"	A"
HNF13018/A-D	18 1/8	21 1/4	43 1/2	16 3/4	11 5/8
HNF13024/A-D	18 1/8	21 1/4	43 1/2	16 3/4	11 5/8
HNF13030/A-D	18 1/8	21 1/4	43 1/2	16 3/4	11 5/8
HNF13036/A-D	21 1/4	21 1/4	48 1/4	20	11 5/8
HNF13042/A-D	21 1/4	21 1/4	48 1/4	20	11 5/8
HNF13048/A-D	24 7/8	21 1/4	48 1/4	20	11 5/8
HNF13060/A-D	24 7/8	21 1/4	48 1/4	20	11 5/8

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Nowadays, we have 7 production bases in Zhuhai, Chongqing, Hefei and Zhengzhou(China), as well as Brazil, Pakistan and Vietnam, with annual production capacity of 30 million sets of residential air conditioners and 4 million sets of commercial air conditioners.

With the installation of Gree commercial air conditioners in important projects at home and abroad like Media Village for 2008 Beijing Olympic Games, Stadiums for 2010 World Cup in South Africa, as well as India Telecom base station, Gree commercial air conditioners are ready to develop steadily to every corner in the world, to present a more comfortable and harmonious working environment and family atmosphere.

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