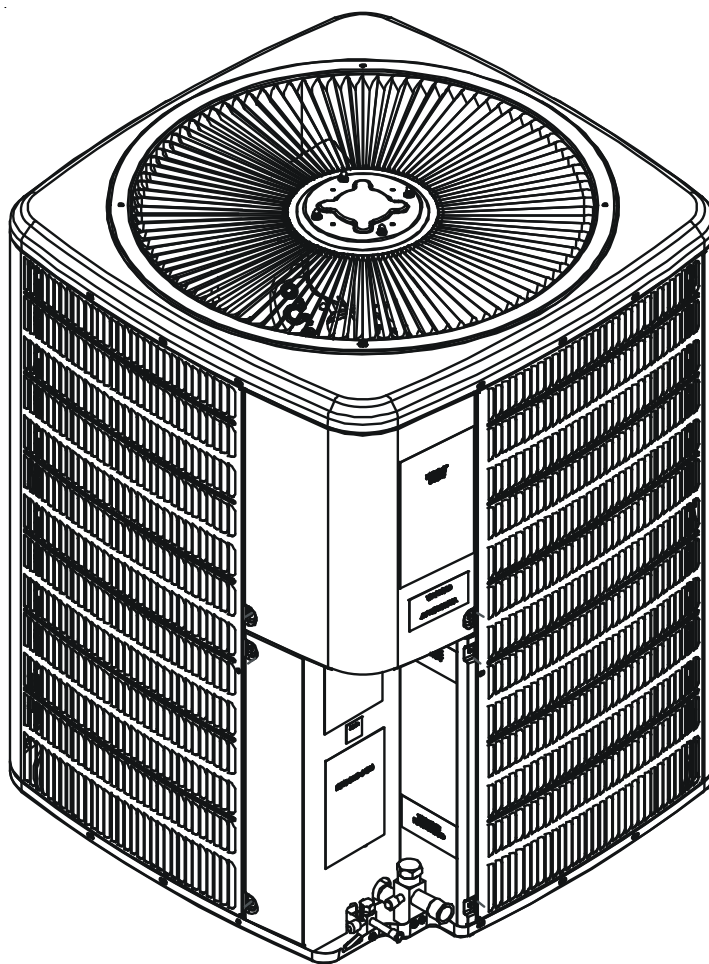


DAIKIN TECHNICAL MANUAL

DX 13 SEER Single Phase Condensing Units with R-410A

- Refer to Service Manual RSD6200006 for installation, operation, and troubleshooting information.
- All safety information must be followed as provided in the Service Manual.
- Refer to the appropriate Parts Catalog for part number information.
- Models listed on page 3.



This manual is to be used by qualified, professionally trained HVAC technicians only. Daikin does not assume any responsibility for property damage or personal injury due to improper service procedures or services performed by an unqualified person.

RTD6112021r4
August 2014

PRODUCT IDENTIFICATION

The model number is used for positive identification of component parts used in manufacturing. Please use this number when requesting service or parts information.

D	X	1 3	S	N	0 1 8	1	A	A
Brand								Engineering
D - Daikin								Minor revision
Type								Engineering
X - AC R-410A								Major revision
Z - HP R-410A								
SEER								Voltage
13 - 13 SEER	16 - 16 SEER							1 - 208/230 V single phase 60 Hz
14 - 14 SEER	18 - 18 SEER							2 - 220/240 V single phase 50 Hz
	20 - 20 SEER							3 - 208/230 V three phase 60 Hz
11 - 11 EER								4 - 460 V three phase 60 Hz
								5 - 380/415 V three phase 50 Hz
Compressor								Tonnage Nominal
S - single stage								018 - 1.5-ton
T - two stage								042 - 3.5-ton
V - variable capacity								024 - 2.0-ton
D - tandem								030 - 2.5-ton
R - three stage								060 - 5.0-ton
								036 - 3.0-ton
								061 - 5.0-ton HC
Feature Set								
A - Base								
C - ComfortNet 4 wire ready								
L - ComfortNet Lite								
D - Deluxe								
S - Special								
E - Export								
N - Nominal								

**** NOTE:** Not all feature sets / compressors available at initial launch of product



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.



WARNING

Daikin will not be responsible for any injury or property damage arising from improper service or service procedures. If you install or perform service on this unit, you assume responsibility for any personal injury or property damage which may result. Many jurisdictions require a license to install or service heating and air conditioning equipment.



WARNING

Installation and repair of this unit should be performed ONLY by individuals meeting (at a minimum) the requirements of an "entry level technician", as specified by the Air Conditioning, Heating, and Refrigeration Institute (AHRI). Attempting to install or repair this unit without such background may result in product damage, personal injury or death.

PRODUCT IDENTIFICATION

The model number is used for positive identification of component parts used in manufacturing. Please use this number when requesting service or parts information.

DX13SN0181A*
DX13SN0241A*
DX13SN0301A*
DX13SN0361A*
DX13SN0421A*
DX13SN0481A*
DX13SN0601A*
DX13SN0611A*

** Indicates minor revision & is not used for order entry or inventory management*



WARNING

The United States Environmental Protection Agency ("EPA") has issued various regulations regarding the introduction and disposal of refrigerants introduced into this unit. Failure to follow these regulations may harm the environment and can lead to the imposition of substantial fines. These regulations may vary by jurisdiction. Should questions arise, contact your local EPA office.



WARNING

Do not connect or use any device that is not design certified by Daikin for use with this unit. Serious property damage, personal injury, reduced unit performance and/or hazardous conditions may result from the use of such non-approved devices.



WARNING

To prevent the risk of property damage, personal injury, or death, do not store combustible materials or use gasoline or other flammable liquids or vapors in the vicinity of this appliance.

PRODUCT DESIGN

DX13SN models are available in 1 1/2 through 5 ton sizes and use R-410A refrigerant. They are designed for 208/230 volt single phase applications.

The condenser air is pulled through the condenser coil by a direct drive propeller fan. This condenser air is then discharged out of the top of the cabinet.

These units are designed for free air discharge, so no additional resistance like duct work shall be attached.

The suction and liquid line connections on present models are of the sweat type for field piping with refrigerant type copper. Front seating valves are factory installed to accept the field run copper. The total refrigerant charge for a normal installation is factory installed in the condensing unit. DX13SN units are charged for the matching evaporator coil and a 15 foot refrigerant line set.

Systems should be properly sized by heat gain and loss calculations made according to methods of the Air Conditioning Contractors Association (ACCA) or equivalent. It is the contractors responsibility to ensure the system has adequate capacity to heat or cool the conditioned space.

DX13SN models use the Copeland Scroll "Ultratech" Series compressors which are specifically designed for R-410A refrigerant. There are a number of design characteristics which are different from the traditional reciprocating and/or scroll compressors.

"Ultratech" Series scroll compressors will not have a discharge thermostat, some of the early model scroll compressors required discharge thermostats.

Due to their design Scroll compressors are inherently more tolerant of small quantities of liquid refrigerant.

NOTE: Even though the compressor section of a Scroll compressor is more tolerant of liquid refrigerant, continued floodback or flooded start conditions may wash oil from the bearing surfaces causing premature bearing failure.

"Ultratech" Series scroll compressors use "POE" or polyolester oil which is **NOT** compatible with mineral oil based lubricants like 3GS. "POE" oil must be used if additional oil is required.

Operating pressures and amp draws may differ from standard reciprocating and/or scroll compressors. This information may be found in the "Cooling Performance Data" section.

IMPORTANT NOTE: Because of the potential damage to compressors, do not allow suction pressure at service valve to drop below 20 PSIG when pumping unit system down for repair. Outdoor section, depending on line set length and amount of charge in system, may not be able to hold the entire system charge.



WARNING

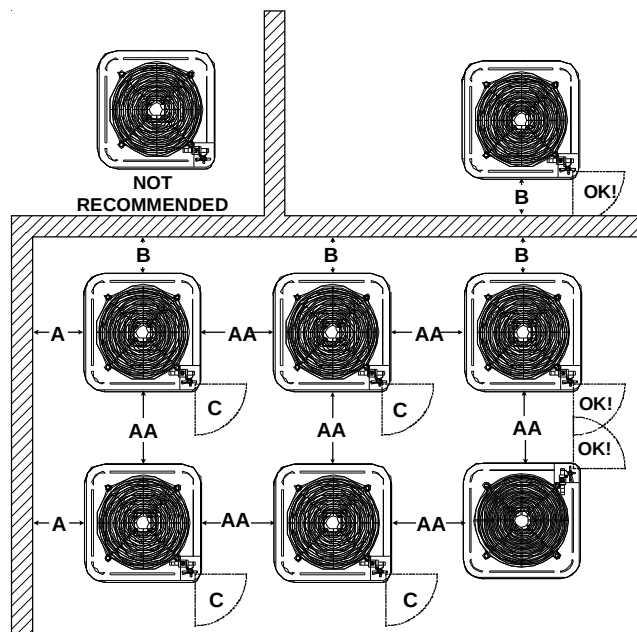
To avoid possible injury, explosion or death, practice safe handling of refrigerants.

Special consideration must be given to location of the condensing unit(s) in regard to structures, obstructions, other units, and any/all other factors that may interfere with air circulation. Where possible, the top of the unit should be completely unobstructed; however, if vertical conditions require placement beneath an obstruction **there should be a minimum of 60 inches between the top of the unit and the obstruction(s)**. The specified dimensions meet requirements for air circulation only. Consult all appropriate regulatory codes prior to determining final clearances.

Another important consideration in selecting a location for the unit(s) is the angle to obstructions. Either side adjacent the valves can be placed toward the structure provided the side away from the structure maintains minimum service clearance. Corner installations are strongly discouraged.

DO NOT locate the unit:

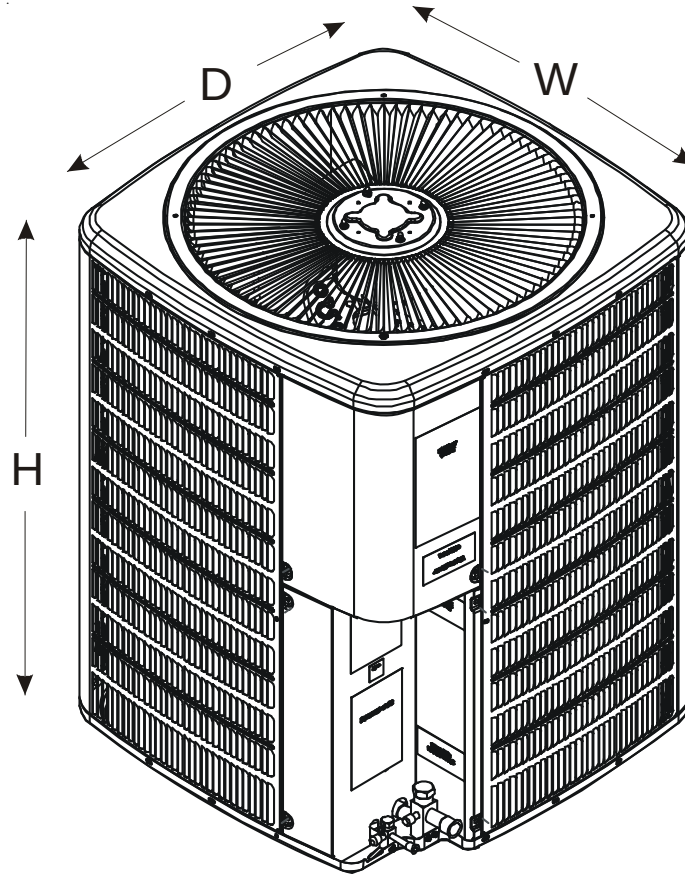
- Directly under a vent termination for a gas appliance.
- Within 3 feet of a clothes dryer vent.
- Where the refreezing of defrost water would create a hazard.
- Where water may rise into the unit.



Minimum Airflow Clearance				
Model Type	A	B	C	AA
Residential	10"	10"	18"	20"
Light Commercial	12"	12"	18"	24"

PRODUCT DESIGN

DIMENSIONS



Model	Dimensions - W x D x H
DX13SN0181A*	26" x 26" x 27½"
DX13SN0241A*	26" x 26" x 27½"
DX13SN0301A*	23½" x 23½" x 25¾"
DX13SN0361A*	26" x 26" x 27½"
DX13SN0421A*	29" x 29" x 36¼"
DX13SN0481A*	29" x 29" x 36¼"
DX13SN0601A*	29" x 29" x 40"
DX13SN0611A*	35½" x 35½" x 38¼"

CONDENSING UNIT SPECIFICATIONS

DX13SN0[18-61]1A*

	DX13SN0181A*	DX13SN0241A*	DX13SN0301A*	DX13SN0361A*
Cooling Capacity, BTUH	17,800	23,000	30,000	36,000
SEER/EER	13 / 11	13 / 11	13 / 11	13 / 11
Compressor				
R.L. Amps	9.0	13.5	12.80	14.1
L.R. Amps	48.0	58.3	64.0	77.0
High Pressure Switch				
Open	N/A	N/A	N/A	N/A
Close	YES	N/A	N/A	N/A
Condenser Fan Motor				
Horsepower	1/8	1/8	1/8	1/4
F.L. Amps	0.70	0.70	0.70	1.50
Liquid Line, Inches O.D.*	3/8"	3/8"	3/8"	3/8"
Suction Line, Inches O.D.*	3/4"	3/4"	3/4"	3/4"
Refrigerant Charge	60 **	58 **	62 **	64 **
Power Supply	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Minimum Circuit Ampacity ⁽¹⁾	12.0	17.8	16.7	19.1
Maximum Overcurrent Device ⁽²⁾	20	30	25	30
Electrical Conduit Size				
Power Supply (Inches)	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4
Approximate Shipping Weight	145	145	130	159

	DX13SN0421A*	DX13SN0481A*	DX13SN0601A*	DX13SN0611A*
Cooling Capacity, BTUH	42,000	48,000	60,000	60,000
Compressor				
R.L. Amps	17.9	19.9	25.0	26.4
L.R. Amps	112.0	109.0	134.0	134.0
High Pressure Switch				
Open	N/A	N/A	N/A	610 PSIG
Close	N/A	N/A	N/A	420 PSIG
Condenser Fan Motor				
Horsepower	1/4	1/4	1/4	1/4
F.L. Amps	1.50	1.50	1.50	1.50
Liquid Line, Inches O.D.*	3/8"	3/8"	3/8"	3/8"
Suction Line, Inches O.D.*	7/8"	7/8"	1 1/8"	7/8"
Refrigerant Charge	83 **	97 **	100 **	111 **
Power Supply	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Minimum Circuit Ampacity ⁽¹⁾	23.9	26.4	32.8	34.5
Maximum Overcurrent Device ⁽²⁾	40	45	50	60
Electrical Conduit Size				
Power Supply (Inches)	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4
Approximate Shipping Weight	194	195	200	240

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

⁽²⁾ Maximum Overcurrent Protection Device: **MUST** use time delay fuses or HACR-type Circuit Breakers of the same size as noted.

NOTES:

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

* Installer will need to supply 7/8" to 1 1/8" adapters for suction line connections.

* Unit is charged with refrigerant for 15' of 3/8" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.

* Installation of these units requires the specified TXV Kit to be installed on the indoor coil. THE SPECIFIED TXV IS DETERMINED BY THE OUTDOOR UNIT NOT THE INDOOR COIL.

* Line sizes denoted for less than 25' line sets, tested and rated in accordance with AHRI Standard 210/240. For other line-set lengths or size, refer to the Installation and Operating Instructions and/or the long line-set guidelines.

** Units produced with serial date range of 1405 and later will have the revised refrigerant charge listed in the Unit Specifications. Units produced prior to 1405 are approved for the revised charge shown in the specs.

NOTE: This data is provided as a guide, it is important to electrically connect the unit and properly size fuses/circuit breakers and wires in accordance with all national and/or local electrical codes. Use copper wire only.

COOLING PERFORMANCE DATA

DX13SN0181A*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DX13SN0181A* / CA*F1824*D6**+EEP

10/7/2013

		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	59	63	67	71	59	63	67	71				
70	Net Cap	15.8	16.4	17.9	-	15.4	16.0	17.5	-	15.1	15.6	17.1	-	14.7	15.2	16.7	-	14.0	14.5	15.9	-	12.9	13.4	14.7	-	12.9	13.4	14.7	-	12.9	13.4	14.7	-				
	S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-				
	Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	15	12	-	18	15	12	-	18	15	12	-				
	System KW	1.26	1.29	1.33	-	1.35	1.38	1.42	-	1.43	1.46	1.50	-	1.50	1.53	1.57	-	1.55	1.59	1.64	-	1.60	1.64	1.69	-	1.60	1.64	1.69	-	1.60	1.64	1.69	-				
	OD amps	4.7	4.8	5.0	-	5.1	5.2	5.4	-	5.5	5.6	5.8	-	5.9	6.0	6.2	-	6.2	6.4	6.6	-	6.6	6.7	7.0	-	6.6	6.7	7.0	-	6.6	6.7	7.0	-				
	HI PR	214	230	243	-	240	258	272	-	272	293	310	-	310	334	353	-	349	376	397	-	386	415	438	-	386	415	438	-	386	415	438	-				
	LO PR	101	108	118	-	107	114	125	-	111	119	129	-	117	125	136	-	123	130	142	-	127	135	147	-	127	135	147	-	127	135	147	-				
	Net Cap	17.1	17.7	19.4	-	16.7	17.3	19.0	-	16.3	16.9	18.5	-	15.9	16.5	18.1	-	15.1	15.7	17.2	-	14.0	14.5	15.9	-	14.0	14.5	15.9	-	14.0	14.5	15.9	-				
	S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-				
	Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-	17	15	11	-				
600	System KW	1.29	1.32	1.35	-	1.38	1.41	1.45	-	1.46	1.49	1.54	-	1.53	1.56	1.61	-	1.59	1.62	1.67	-	1.64	1.68	1.73	-	1.64	1.68	1.73	-	1.64	1.68	1.73	-				
	OD amps	4.8	4.9	5.1	-	5.2	5.3	5.5	-	5.6	5.8	6.0	-	6.0	6.2	6.4	-	6.4	6.6	6.8	-	6.8	6.9	7.2	-	6.8	6.9	7.2	-	6.8	6.9	7.2	-				
	HI PR	220	237	250	-	247	266	281	-	281	302	319	-	320	344	364	-	360	387	409	-	398	428	452	-	398	428	452	-	398	428	452	-				
	LO PR	105	111	122	-	111	118	128	-	115	122	133	-	121	128	140	-	126	135	147	-	131	139	152	-	131	139	152	-	131	139	152	-				
	Net Cap	17.6	18.3	20.0	-	17.2	17.9	19.6	-	16.8	17.4	19.1	-	16.4	17.0	18.6	-	15.6	16.2	17.7	-	14.4	15.0	16.4	-	14.4	15.0	16.4	-	14.4	15.0	16.4	-				
	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-				
	Delta T	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-	17	14	11	-	17	14	11	-				
	System KW	1.30	1.33	1.36	-	1.39	1.42	1.46	-	1.47	1.50	1.55	-	1.54	1.58	1.62	-	1.60	1.64	1.69	-	1.66	1.69	1.74	-	1.66	1.69	1.74	-	1.66	1.69	1.74	-				
	OD amps	4.9	5.0	5.1	-	5.3	5.4	5.5	-	5.7	5.8	6.0	-	6.1	6.2	6.4	-	6.5	6.6	6.8	-	6.8	7.0	7.2	-	6.8	7.0	7.2	-	6.8	7.0	7.2	-				
	HI PR	222	239	253	-	249	268	283	-	284	305	322	-	323	348	367	-	364	391	413	-	402	432	456	-	402	432	456	-	402	432	456	-				
LO PR	106	112	123	-	112	119	130	-	116	123	135	-	122	130	142	-	128	136	148	-	132	141	153	-	132	141	153	-	132	141	153	-					

525	Net Cap	16.1	16.5	17.9	19.2	15.7	16.2	17.5	18.8	15.3	15.8	17.1	18.3	15.0	15.4	16.7	17.9	14.2	14.6	15.8	17.0	13.2	13.5	14.7	15.7
	S/T	0.77	0.68	0.52	0.33	0.79	0.71	0.54	0.35	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.88	0.79	0.59	0.38
	Delta T	22	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	22	20	16	11	20	19	15	11
	SystemKW	1.27	1.30	1.33	1.37	1.36	1.39	1.43	1.47	1.44	1.47	1.51	1.56	1.51	1.54	1.59	1.63	1.57	1.60	1.65	1.70	1.62	1.65	1.70	1.76
	OD amps	4.7	4.9	5.0	5.2	5.1	5.2	5.4	5.6	5.5	5.7	5.9	6.1	5.9	6.1	6.2	6.5	6.3	6.4	6.6	6.9	6.6	6.8	7.0	7.3
	HI PR	216	232	245	256	242	260	275	287	275	296	313	326	314	337	356	372	353	380	401	418	390	419	443	462
	LO PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	128	136	149	159
	Net Cap	17.4	17.9	19.4	20.8	17.0	17.5	19.0	20.3	16.6	17.1	18.5	19.9	16.2	16.7	18.1	19.4	15.4	15.8	17.2	18.4	14.3	14.7	15.9	17.1
	S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.82	0.62	0.40
	Delta T	21	20	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
600	SystemKW	1.30	1.33	1.36	1.41	1.39	1.42	1.46	1.51	1.47	1.50	1.55	1.60	1.54	1.58	1.62	1.67	1.60	1.64	1.69	1.74	1.66	1.69	1.74	1.80
	OD amps	4.9	5.0	5.1	5.3	5.3	5.4	5.5	5.7	5.7	5.8	6.0	6.2	6.1	6.2	6.4	6.7	6.5	6.6	6.8	7.1	6.8	7.0	7.2	7.5
	HI PR	222	239	253	264	250	269	284	296	284	305	322	336	323	348	367	383	364	391	413	431	402	432	457	476
	LO PR	106	112	123	131	112	119	130	138	116	123	135	144	122	130	142	151	128	136	148	158	132	141	153	163
	Net Cap	17.9	18.5	20.0	21.5	17.5	18.0	19.5	21.0	17.1	17.6	19.1	20.5	16.7	17.2	18.6	20.0	15.9	16.3	17.7	19.0	14.7	15.1	16.4	17.6
675	S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.38	0.88	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.85	0.65	0.42
	Delta T	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	20	19	15	11	19	18	14	10
	SystemKW	1.31	1.34	1.38	1.42	1.40	1.43	1.47	1.52	1.48	1.51	1.56	1.61	1.56	1.59	1.64	1.69	1.62	1.65	1.70	1.75	1.67	1.70	1.76	1.81
	OD amps	4.9	5.0	5.2	5.4	5.3	5.4	5.6	5.8	5.7	5.9	6.1	6.3	6.1	6.3	6.5	6.7	6.5	6.7	6.9	7.1	6.9	7.1	7.3	7.6
	HI PR	225	242	255	266	252	271	286	299	287	308	326	340	326	351	371	387	367	395	417	435	406	437	461	481
LO PR	107	114	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	160	133	142	155	165	

COOLING PERFORMANCE DATA

DX13SN0181A*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

10/7/2013

MODEL: DX13SN0181A* / CA*F1824*D6**EEP

IDB* Airflow		Outdoor Ambient Temperature										95										105										115																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		65					75					85					95					105					115																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		Entering Indoor Wet Bulb Temperature																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
525	Net Cap	15.8	16.4	17.9	-	15.4	16.0	17.5	-	15.1	15.6	17.1	-	14.7	15.2	16.7	-	14.0	14.5	15.9	-	12.9	13.4	14.7	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

COOLING PERFORMANCE DATA

DX13SN0241A*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DX13SN0241A* / CA*F3030*6D*+EEP

10/7/2013

			Outdoor Ambient Temperature																															
			65				75				85				95				105				115											
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
700	Net Cap		20.2	20.9	22.9	-	-	19.7	20.4	22.4	-	-	19.3	20.0	21.9	-	-	18.8	19.5	21.3	-	-	17.8	18.5	20.3	-	16.5	17.1	18.8	-				
	S/T		0.68	0.57	0.40	-	-	0.71	0.59	0.41	-	-	0.73	0.61	0.42	-	-	0.75	0.63	0.43	-	-	0.78	0.65	0.45	-	0.79	0.66	0.45	-				
	Delta T		18	16	12	-	-	18	16	12	-	-	18	16	12	-	-	19	16	12	-	-	18	16	12	-	17	15	11	-				
	System kW		1.60	1.64	1.68	-	-	1.72	1.75	1.81	-	-	1.82	1.86	1.91	-	-	1.91	1.95	2.01	-	-	1.98	2.03	2.09	-	2.05	2.09	2.16	-				
	OD amps		5.9	6.0	6.2	-	-	6.4	6.5	6.7	-	-	6.9	7.1	7.3	-	-	7.4	7.6	7.8	-	-	7.9	8.1	8.4	-	8.4	8.6	8.9	-				
	HI PR		222	239	252	-	-	249	268	283	-	-	283	305	322	-	-	323	347	367	-	-	363	391	412	-	401	432	456	-				
800	LO PR		100	106	116	-	-	106	112	123	-	-	110	117	128	-	-	115	123	134	-	-	121	129	140	-	125	133	145	-				
	Net Cap		21.9	22.7	24.8	-	-	21.4	22.2	24.3	-	-	20.9	21.6	23.7	-	-	20.4	21.1	23.1	-	-	19.3	20.0	22.0	-	17.9	18.6	20.3	-				
	S/T		0.71	0.59	0.41	-	-	0.74	0.61	0.43	-	-	0.75	0.63	0.44	-	-	0.78	0.65	0.45	-	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-				
	Delta T		18	15	12	-	-	18	16	12	-	-	18	16	12	-	-	18	16	12	-	-	18	16	12	-	17	15	11	-				
	System kW		1.64	1.67	1.72	-	-	1.76	1.79	1.85	-	-	1.86	1.90	1.96	-	-	1.95	2.00	2.06	-	-	2.03	2.08	2.14	-	2.10	2.14	2.21	-				
	OD amps		6.1	6.2	6.4	-	-	6.6	6.7	6.9	-	-	7.1	7.3	7.5	-	-	7.6	7.8	8.1	-	-	8.1	8.3	8.6	-	8.6	8.8	9.1	-				
900	HI PR		229	246	260	-	-	257	276	292	-	-	292	314	332	-	-	333	358	378	-	-	374	403	425	-	413	445	470	-				
	LO PR		103	110	120	-	-	109	116	127	-	-	113	120	132	-	-	119	127	138	-	-	125	133	145	-	129	137	150	-				
	Net Cap		22.5	23.4	25.6	-	-	22.0	22.8	25.0	-	-	21.5	22.3	24.4	-	-	21.0	21.7	23.8	-	-	19.9	20.6	22.6	-	18.4	19.1	21.0	-				
	S/T		0.74	0.62	0.43	-	-	0.77	0.64	0.45	-	-	0.79	0.66	0.46	-	-	0.82	0.68	0.47	-	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-				
	Delta T		17	15	11	-	-	17	15	11	-	-	17	15	11	-	-	17	15	11	-	-	17	15	11	-	16	14	11	-				
	System kW		1.65	1.69	1.74	-	-	1.77	1.81	1.86	-	-	1.88	1.92	1.97	-	-	1.97	2.01	2.07	-	-	2.05	2.09	2.16	-	2.12	2.16	2.23	-				
750	OD amps		6.1	6.3	6.5	-	-	6.6	6.8	7.0	-	-	7.2	7.4	7.6	-	-	7.7	7.9	8.2	-	-	8.2	8.4	8.7	-	8.7	8.9	9.2	-				
	HI PR		231	249	263	-	-	259	279	295	-	-	295	317	335	-	-	336	362	382	-	-	378	407	429	-	418	449	475	-				
	LO PR		104	111	121	-	-	110	117	128	-	-	114	122	133	-	-	120	128	140	-	-	126	134	146	-	130	139	151	-				
	Net Cap		20.5	21.1	22.9	24.6	24.0	20.1	20.7	22.4	24.0	24.0	19.6	20.2	21.8	23.4	23.4	19.1	19.7	21.3	22.9	22.9	18.2	18.7	20.2	21.7	16.8	17.3	18.7	20.1				
	S/T		0.78	0.70	0.53	0.34	0.35	0.81	0.72	0.55	0.35	0.35	0.83	0.74	0.56	0.36	0.36	0.85	0.76	0.58	0.37	0.37	0.89	0.79	0.60	0.39	0.89	0.80	0.60	0.39				
	Delta T		21	19	16	11	11	21	20	16	11	11	21	20	16	11	11	21	20	16	11	11	21	19	16	11	20	18	15	10				

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

Goodman Manufacturing Company, L.P. reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

COOLING PERFORMANCE DATA

DX13SN0241A*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DX13SN0241A* / CA*F3030*6D*+EEP

10/7/2013

Outdoor Ambient Temperature										105										115									
85										95																			
75										Entering Indoor Wet Bulb Temperature																			
IDB*	Airflow	59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167
80	Net Cap	20.9	21.4	22.8	24.4	20.4	20.9	22.3	23.8	19.9	20.4	21.8	23.3	19.4	19.9	21.2	22.7	18.5	18.9	20.2	21.6	17.1	17.5	18.7	20.0	18.7	19.1	20.4	21.7
	S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.68	0.50	0.91	0.85	0.69	0.52	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56	0.93	0.87	0.70	0.53
	Delta T	23	22	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15	22	21	18	15
	SystemKW	1.63	1.66	1.71	1.76	1.74	1.78	1.83	1.89	1.85	1.89	1.94	2.00	1.94	1.98	2.04	2.11	2.02	2.06	2.12	2.19	2.08	2.13	2.19	2.27	2.19	2.23	2.30	2.37
	ODamps	6.0	6.2	6.4	6.6	6.5	6.7	6.9	7.1	7.1	7.2	7.5	7.8	7.6	7.7	8.0	8.3	8.0	8.2	8.5	8.8	8.5	8.7	9.0	9.4	8.9	9.2	9.5	9.8
	HI PR	227	244	257	268	254	274	289	301	289	311	328	343	329	354	374	390	370	399	421	439	409	440	465	485	459	488	510	530
	LO PR	102	109	119	126	108	115	125	133	112	119	130	139	118	125	137	146	123	131	143	153	128	136	148	158	133	141	151	161
	Net Cap	22.6	23.1	24.7	26.4	22.1	22.6	24.2	25.8	21.6	22.1	23.6	25.2	21.1	21.5	23.0	24.6	20.0	20.5	21.9	23.4	18.5	18.9	20.2	21.6	19.1	19.5	20.8	22.3
	S/T	0.88	0.83	0.68	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.78	0.58	0.93	0.87	0.70	0.53
	Delta T	23	22	19	15	23	22	19	16	23	22	19	16	24	23	20	16	23	22	19	15	21	21	18	14	22	21	18	15
	SystemKW	1.67	1.70	1.75	1.80	1.79	1.82	1.88	1.94	1.89	1.93	1.99	2.05	1.99	2.03	2.09	2.16	2.07	2.11	2.18	2.25	2.13	2.18	2.25	2.32	2.24	2.28	2.35	2.42
800	ODamps	6.2	6.3	6.5	6.8	6.7	6.8	7.1	7.3	7.3	7.4	7.7	8.0	7.8	8.0	8.2	8.5	8.3	8.5	8.8	9.1	8.8	9.0	9.3	9.7	9.2	9.5	9.8	10.1
	HI PR	234	251	265	277	262	282	298	311	298	321	339	353	339	365	386	402	382	411	434	453	422	454	479	500	474	503	524	545
	LO PR	105	112	122	130	111	118	129	138	116	123	134	143	121	129	141	150	127	135	148	157	132	140	153	163	137	145	155	165
	Net Cap	23.3	23.8	25.5	27.2	22.8	23.3	24.9	26.6	22.2	22.7	24.3	26.0	21.7	22.2	23.7	25.3	20.6	21.1	22.5	24.1	19.1	19.5	20.8	22.3	19.6	20.0	21.3	22.8
	S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.61	0.99	0.93	0.76	0.59
	Delta T	22	21	18	15	22	21	19	15	23	21	19	15	22	22	19	15	21	22	19	15	20	20	17	14	21	20	17	14
	SystemKW	1.68	1.71	1.76	1.82	1.80	1.84	1.89	1.95	1.91	1.95	2.01	2.07	2.00	2.04	2.11	2.17	2.08	2.13	2.19	2.26	2.15	2.20	2.27	2.34	2.26	2.30	2.37	2.44
	ODamps	6.2	6.4	6.6	6.8	6.7	6.9	7.1	7.4	7.3	7.5	7.8	8.1	7.8	8.0	8.3	8.6	8.3	8.6	8.8	9.2	8.9	9.1	9.4	9.7	9.3	9.6	9.9	10.2
	HI PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	406	386	415	438	457	426	459	484	505	479	508	529	550
	LO PR	106	113	123	131	112	119	130	139	117	124	136	144	123	130	142	152	129	137	149	159	133	141	154	164	138	146	156	166

	85																											
	700														800													
	900																											
Net Cap	21.3	21.7	22.7	24.2	20.8	21.2	22.2	23.7	20.3	20.7	21.7	23.1	19.8	20.2	21.1	22.5	18.8	19.2	20.1	21.4	17.4	17.7	18.6	19.8	18.5	18.9	19.8	20.7
S/T	0.89	0.86	0.78	0.63	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.89	0.73	0.97	0.91	0.74	0.57
Delta T	25	25	23	20	25	25	24	20	25	25	24	20	25	25	24	21	25	25	23	20	23	23	22	19	24	23	20	17
SystemKW	1.64	1.67	1.72	1.77	1.76	1.79	1.85	1.90	1.86	1.90	1.96	2.02	1.95	1.99	2.06	2.12	2.03	2.08	2.14	2.21	2.10	2.14	2.21	2.28	2.20	2.24	2.31	2.38
ODamps	6.1	6.2	6.4	6.7	6.6	6.7	6.9	7.2	7.1	7.3	7.5	7.8	7.6	7.8	8.1	8.4	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.5	9.0	9.3	9.6	9.9
H PR	229	246	260	271	257	276	292	304	292	314	332	346	333	358	378	394	374	403	425	443	413	445	470	490	464	493	514	535
LO PR	103	110	120	128	109	116	127	135	113	120	132	140	119	127	138	147	125	133	145	154	129	137	150	159	133	141	151	161
Net Cap	23.0	23.5	24.6	26.2	22.5	22.9	24.0	25.6	22.0	22.4	23.5	25.0	21.4	21.9	22.9	24.4	20.4	20.8	21.7	23.2	18.9	19.2	20.1	21.5	19.6	20.0	21.3	22.8
S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75	0.99	0.93	0.76	0.59
Delta T	25	24	23	20	25	24	23	20	25	24	23	20	25	25	23	20	23	24	23	20	22	22	21	19	24	23	20	17
SystemKW	1.68	1.71	1.76	1.82	1.80	1.84	1.89	1.95	1.91	1.95	2.01	2.07	2.00	2.04	2.11	2.17	2.08	2.13	2.19	2.26	2.15	2.20	2.27	2.34	2.26	2.30	2.37	2.44
ODamps	6.2	6.4	6.6	6.8	6.7	6.9	7.1	7.4	7.3	7.5	7.8	8.1	7.8	8.0	8.3	8.6	8.3	8.6	8.8	9.2	8.9	9.1	9.4	9.7	9.3	9.6	9.9	10.2
H PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	406	386	415	438	457	426	459	484	505	479	508	529	550
LO PR	106	113	123	131	112	119	130	139	117	124	136	144	123	130	142	152	129	137	149	159	133	141	154	164	138	146	156	166
Net Cap	23.7	24.2	25.3	27.0	23.2	23.6	24.8	26.4	22.6	23.1	24.2	25.8	22.1	22.5	23.6	25.1	21.0	21.4	22.4	23.9	19.4	19.8	20.7	22.1	20.0	20.4	21.7	23.2
S/T	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79	0.99	0.93	0.76	0.59
Delta T	24	23	22	19	24	23	22	19	23	24	22	19	23	23	22	19	21	22	22	19	20	20	21	18	24	23	20	17
SystemKW	1.69	1.72	1.78	1.83	1.81	1.85	1.91	1.97	1.92	1.96	2.02	2.09	2.02	2.06	2.12	2.19	2.10	2.14	2.21	2.28	2.17	2.22	2.29	2.36	2.28	2.32	2.39	2.46
ODamps	6.3	6.4	6.7	6.9	6.8	7.0	7.2	7.5	7.4	7.6	7.8	8.1	7.9	8.1	8.4	8.7	8.4	8.6	8.9	9.3	8.9	9.2	9.5	9.8	9.3	9.6	9.9	10.2
H PR	238	256	271	282	267	288	304	317	304	327	345	360	346	373	393	410	390	419	443	462	430	463	489	510	484	513	534	555
LO PR	107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	161	134	143	156	166	140	148	158	168

COOLING PERFORMANCE DATA

DX13SN0301A*

EXPANDED PERFORMANCE DATA

MODEL: DX13SN0301A* / CA*F3030*6D*+EEP

COOLING OPERATION

		Outdoor Ambient Temperature																																			
		65						75						85						95						105						115					
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
875	Net Cap	24.9	25.8	28.3	-	24.4	25.2	27.7	-	23.8	24.6	27.0	-	23.2	24.0	26.3	-	22.0	22.8	25.0	-	20.4	21.2	23.2	-	20.4	21.2	23.2	-	20.4	21.2	23.2	-				
	S/T	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-	0.79	0.66	0.46	-	0.79	0.66	0.46	-				
	Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-	17	15	11	-				
	System KW	1.97	2.01	2.07	-	2.12	2.16	2.23	-	2.24	2.29	2.36	-	2.35	2.40	2.48	-	2.45	2.50	2.58	-	2.53	2.58	2.67	-	2.53	2.58	2.67	-	2.53	2.58	2.67	-				
	OD amps	7.2	7.4	7.7	-	7.8	8.0	8.3	-	8.5	8.7	9.0	-	9.1	9.4	9.7	-	9.7	10.0	10.3	-	10.3	10.6	10.9	-	10.3	10.6	10.9	-	10.3	10.6	10.9	-				
	HI PR	245	264	279	-	275	296	313	-	313	337	356	-	356	384	405	-	401	432	456	-	443	477	503	-	443	477	503	-	443	477	503	-				
	LO PR	104	111	121	-	110	117	128	-	114	122	133	-	120	128	140	-	126	134	146	-	130	139	151	-	130	139	151	-	130	139	151	-				
	Net Cap	27.0	28.0	30.7	-	26.4	27.4	30.0	-	25.8	26.7	29.3	-	25.1	26.1	28.5	-	23.9	24.7	27.1	-	22.1	22.9	25.1	-	22.1	22.9	25.1	-	22.1	22.9	25.1	-				
1050	S/T	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-	0.82	0.68	0.47	-	0.82	0.68	0.47	-				
	Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-	16	14	10	-	16	14	10	-				
	System KW	2.02	2.06	2.12	-	2.17	2.21	2.28	-	2.30	2.35	2.42	-	2.41	2.46	2.54	-	2.51	2.56	2.64	-	2.59	2.65	2.73	-	2.59	2.65	2.73	-	2.59	2.65	2.73	-				
	OD amps	7.4	7.6	7.9	-	8.1	8.3	8.5	-	8.8	9.0	9.3	-	9.4	9.6	10.0	-	10.0	10.3	10.6	-	10.6	10.9	11.3	-	10.6	10.9	11.3	-	10.6	10.9	11.3	-				
	HI PR	253	272	287	-	284	305	322	-	323	347	367	-	367	395	418	-	413	445	470	-	457	492	519	-	457	492	519	-	457	492	519	-				
	LO PR	107	114	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	138	151	-	134	143	156	-	134	143	156	-	134	143	156	-				
	Net Cap	27.3	28.3	31.0	-	26.7	27.6	30.3	-	26.0	27.0	29.5	-	25.4	26.3	28.8	-	24.1	25.0	27.4	-	22.3	23.2	25.4	-	22.3	23.2	25.4	-	22.3	23.2	25.4	-				
	S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.83	0.70	0.48	-	0.83	0.70	0.48	-	0.83	0.70	0.48	-				
1125	Delta T	16	14	11	-	16	14	11	-	16	14	11	-	17	14	11	-	16	14	11	-	15	13	10	-	15	13	10	-	15	13	10	-				
	System KW	2.02	2.07	2.13	-	2.17	2.22	2.28	-	2.30	2.35	2.42	-	2.42	2.47	2.55	-	2.52	2.57	2.65	-	2.60	2.66	2.74	-	2.60	2.66	2.74	-	2.60	2.66	2.74	-				
	OD amps	7.5	7.7	7.9	-	8.1	8.3	8.6	-	8.8	9.0	9.3	-	9.4	9.7	10.0	-	10.0	10.3	10.6	-	10.6	10.9	11.3	-	10.6	10.9	11.3	-	10.6	10.9	11.3	-				
	HI PR	254	273	288	-	285	306	323	-	324	348	368	-	369	397	419	-	415	446	471	-	458	493	521	-	458	493	521	-	458	493	521	-				
	LO PR	108	115	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	139	151	-	135	143	157	-	135	143	157	-	135	143	157	-				
	Net Cap	27.4	28.4	31.1	-	26.8	27.7	30.4	-	26.1	27.1	29.6	-	25.5	26.4	28.9	-	24.2	25.1	27.5	-	22.4	23.3	25.6	-	22.4	23.3	25.6	-	22.4	23.3	25.6	-				
	S/T	0.74	0.62	0.42	-	0.76	0.64	0.44	-	0.78	0.66	0.45	-	0.80	0.68	0.46	-	0.83	0.70	0.49	-	0.84	0.71	0.49	-	0.84	0.71	0.49	-	0.84	0.71	0.49	-				
	Delta T	15	13	10	-	15	13	10	-	15	13	10	-	16	13	10	-	15	13	10	-	14	12	9	-	14	12	9	-	14	12	9	-				

75	Net Cap	25.4	26.1	28.3	30.3	24.8	25.5	27.6	29.6	24.2	24.9	26.9	28.9	23.6	24.3	26.3	28.2	22.4	23.1	25.0	26.8	20.8	21.4	23.1	24.8
	S/T	0.78	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39
	Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10
	System KW	1.99	2.03	2.09	2.15	2.13	2.18	2.24	2.31	2.26	2.31	2.38	2.45	2.37	2.42	2.50	2.58	2.47	2.52	2.60	2.69	2.55	2.61	2.69	2.78
	OD amps	7.3	7.5	7.7	8.0	7.9	8.1	8.4	8.7	8.6	8.8	9.1	9.5	9.2	9.4	9.8	10.1	9.8	10.1	10.4	10.8	10.4	10.7	11.0	11.5
	HI PR	248	267	282	294	278	299	316	329	316	340	359	375	360	387	409	427	405	436	460	480	448	482	509	530
	LO PR	105	112	122	130	111	118	129	138	116	123	134	143	121	129	141	150	127	135	148	157	132	140	153	163
	Net Cap	27.5	28.3	30.6	32.9	26.8	27.6	29.9	32.1	26.2	27.0	29.2	31.3	25.6	26.3	28.5	30.6	24.3	25.0	27.1	29.0	22.5	23.2	25.1	26.9
	S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.41
	Delta T	19	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10
1050	System KW	2.04	2.08	2.14	2.20	2.18	2.23	2.30	2.37	2.32	2.36	2.44	2.51	2.43	2.48	2.56	2.64	2.53	2.58	2.67	2.75	2.61	2.67	2.76	2.85
	OD amps	7.5	7.7	8.0	8.3	8.1	8.3	8.6	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.1	10.4	10.1	10.4	10.7	11.1	10.7	11.0	11.4	11.8
	HI PR	255	275	290	303	287	308	326	340	326	351	370	386	371	399	422	440	418	449	475	495	461	497	524	547
	LO PR	109	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168
	Net Cap	27.8	28.6	30.9	33.2	27.1	27.9	30.2	32.4	26.5	27.2	29.5	31.6	25.8	26.6	28.8	30.9	24.5	25.3	27.3	29.3	22.7	23.4	25.3	27.2
	S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.59	0.38	0.91	0.81	0.61	0.39	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
	Delta T	19	17	14	10	19	17	14	10	19	17	14	10	19	18	14	10	19	17	14	10	18	16	13	9
	System KW	2.04	2.08	2.14	2.21	2.19	2.23	2.30	2.37	2.32	2.37	2.44	2.52	2.44	2.49	2.57	2.65	2.54	2.59	2.67	2.76	2.62	2.68	2.76	2.85
	OD amps	7.5	7.7	8.0	8.3	8.2	8.4	8.6	9.0	8.9	9.1	9.4	9.8	9.5	9.7	10.1	10.5	10.1	10.4	10.7	11.2	10.7	11.0	11.4	11.8
	HI PR	256	276	291	304	287	309	327	341	327	352	371	387	372	401	423	441	419	451	476	496	463	498	526	549
	LO PR	109	116	126	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is A HRI Rating Conditions

Goodman Manufacturing Company, L.P. reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

EXPANDED PERFORMANCE DATA

COOLING PERFORMANCE DATA

DX13SN0301A*

MODEL: DX13SN0301A* / CA*F3030*6D*+EEP

COOLING OPERATION

		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	59	63	67	71	59	63	67	71																
875	Net Cap	25.8	26.4	28.2	30.1	25.2	25.8	27.5	29.4	24.6	25.1	26.9	28.7	24.0	24.5	26.2	28.0	22.8	23.3	24.9	26.6	21.1	21.6	23.1	24.7	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.91	0.85	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.91	0.74	0.56				
	S/T	23	22	19	15	24	23	20	16	24	23	20	16	24	23	20	16	23	22	19	16	22	21	18	15	22	21	18	15	22	21	19	16	23	22	19	16	22	21	18	15								
	Delta T	2.00	2.04	2.11	2.17	2.15	2.19	2.26	2.33	2.28	2.33	2.40	2.47	2.39	2.44	2.52	2.60	2.49	2.54	2.62	2.71	2.57	2.63	2.71	2.80	7.4	7.6	7.8	8.1	8.0	8.2	8.5	8.8	8.7	8.9	9.2	9.6	9.3	9.5	9.9	10.2	10.5	10.9	10.5	10.8	11.1	11.6		
	System KW	2.00	2.04	2.11	2.17	2.15	2.19	2.26	2.33	2.28	2.33	2.40	2.47	2.39	2.44	2.52	2.60	2.49	2.54	2.62	2.71	2.57	2.63	2.71	2.80	250	269	284	297	281	302	319	333	319	344	363	378	364	391	413	431	409	440	465	485	452	487	514	536
	OD amps	7.4	7.6	7.8	8.1	8.0	8.2	8.5	8.8	8.7	8.9	9.2	9.6	9.3	9.5	9.9	10.2	9.9	10.2	10.5	10.9	10.5	10.8	11.1	11.6	250	269	284	297	281	302	319	333	319	344	363	378	364	391	413	431	409	440	465	485	452	487	514	536
	HI PR	106	113	124	132	112	120	131	139	117	124	136	144	123	131	142	152	129	137	149	159	133	141	154	165	106	113	124	132	112	120	131	139	117	124	136	144	123	131	142	152	129	137	149	159	133	141	154	165
	LO PR	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170
1050	Net Cap	28.0	28.6	30.5	32.6	27.3	27.9	29.8	31.9	26.7	27.2	29.1	31.1	26.0	26.6	28.4	30.4	24.7	25.3	27.0	28.8	22.9	23.4	25.0	26.7	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.53	0.94	0.89	0.72	0.54	0.97	0.91	0.74	0.56	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58
	S/T	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	22	21	18	15	20	20	17	14	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	20	20	17	14				
	Delta T	2.05	2.09	2.16	2.22	2.20	2.25	2.32	2.39	2.33	2.38	2.46	2.54	2.45	2.50	2.58	2.67	2.55	2.60	2.69	2.78	2.64	2.69	2.78	2.87	7.6	7.8	8.0	8.3	8.2	8.4	8.7	9.0	8.9	9.2	9.5	9.8	9.6	9.8	10.1	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.5	11.9
	System KW	2.05	2.09	2.16	2.22	2.20	2.25	2.32	2.39	2.33	2.38	2.46	2.54	2.45	2.50	2.58	2.67	2.55	2.60	2.69	2.78	2.64	2.69	2.78	2.87	2.05	2.09	2.16	2.22	2.20	2.25	2.32	2.39	2.33	2.38	2.46	2.54	2.45	2.50	2.58	2.67	2.56	2.61	2.69	2.78	2.64	2.69	2.78	2.87
	OD amps	7.6	7.8	8.0	8.3	8.2	8.4	8.7	9.0	8.9	9.2	9.5	9.8	9.6	9.8	10.1	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.5	11.9	7.6	7.8	8.0	8.3	8.2	8.4	8.7	9.0	8.9	9.2	9.5	9.8	9.6	9.8	10.1	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.5	11.9
	HI PR	258	278	293	306	289	312	329	343	329	354	374	390	375	404	426	444	422	454	479	500	466	502	530	552	258	278	293	306	289	312	329	343	329	354	374	390	375	404	426	444	422	454	479	500	466	502	530	552
	LO PR	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170
1125	Net Cap	28.2	28.9	30.8	33.0	27.6	28.2	30.1	32.2	26.9	27.5	29.4	31.4	26.3	26.8	28.7	30.7	25.0	25.5	27.2	29.1	23.1	23.6	25.2	27.0	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.79	0.59
	S/T	21	20	17	14	21	20	18	14	21	20	18	14	21	20	18	14	21	20	18	14	19	19	16	13	21	20	17	14	21	20	18	14	21	20	18	14	21	20	18	14	19	19	16	13				
	Delta T	2.06	2.10	2.16	2.23	2.21	2.25	2.32	2.39	2.34	2.39	2.46	2.54	2.46	2.51	2.59	2.67	2.56	2.61	2.69	2.78	2.64	2.70	2.79	2.88	2.06	2.10	2.16	2.23	2.21	2.25	2.32	2.39	2.34	2.39	2.46	2.54	2.46	2.51	2.59	2.67	2.56	2.61	2.69	2.78	2.64	2.70	2.79	2.88
	System KW	2.06	2.10	2.16	2.23	2.21	2.25	2.32	2.39	2.34	2.39	2.46	2.54	2.46	2.51	2.59	2.67	2.56	2.61	2.69	2.78	2.64	2.70	2.79	2.88	2.06	2.10	2.16	2.23	2.21	2.25	2.32	2.39	2.34	2.39	2.46	2.54	2.46	2.51	2.59	2.67	2.56	2.61	2.69	2.78	2.64	2.70	2.79	2.88
	OD amps	7.6	7.8	8.1	8.4	8.2	8.4	8.7	9.1	9.0	9.2	9.5	9.9	9.6	9.8	10.2	10.6	10.2	10.5	10.8	11.3	10.9	11.1	11.5	12.0	7.6	7.8	8.1	8.4	8.2	8.4	8.7	9.1	9.0	9.2	9.5	9.9	9.6	9.8	10.2	10.5	10.8	11.3	10.9	11.1	11.5	12.0		
	HI PR	259	278	294	307	290	312	330	344	330	355	375	391	376	405	427	446	423	455	481	501	467	503	531	554	259	278	294	307	290	312	330	344	330	355	375	391	376	405	427	446	423	455	481	501	467	503	531	554
	LO PR	110	117	128	136	116	124	135	144	121	128	140	149	127	135	147	157	133	141	154	164	138	146	160	170	110	117	128	136	116	124	135	144	121	128	140	149	127	135	147	157	133	141	154	164	138	146	160	170

		85																												1050																												1125																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
IDB*	Airflow	59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167	171	175	179	183	187	191	195	199	203	207	211	215	219	223	227	231	235	239	243	247	251	255	259	263	267	271	275	279	283	287	291	295	299	303	307	311	315	319	323	327	331	335	339	343	347	351	355	359	363	367	371	375	379	383	387	391	395	399	403	407	411	415	419	423	427	431	435	439	443	447	451	455	459	463	467	471	475	479	483	487	491	495	499	503	507	511	515	519	523	527	531	535	539	543	547	551	555	559	563	567	571	575	579	583	587	591	595	599	603	607	611	615	619	623	627	631	635	639	643	647	651	655	659	663	667	671	675	679	683	687	691	695	699	703	707	711	715	719	723	727	731	735	739	743	747	751	755	759	763	767	771	775	779	783	787	791	795	799	803	807	811	815	819	823	827	831	835	839	843	847	851	855	859	863	867	871	875	879	883	887	891	895	899	903	907	911	915	919	923	927	931	935	939	943	947	951	955	959	963	967	971	975	979	983	987	991	995	999	1003	1007	1011	1015	1019	1023	1027	1031	1035	1039	1043	1047	1051	1055	1059	1063	1067	1071	1075	1079	1083	1087	1091	1095	1099	1103	1107	1111	1115	1119	1123	1127	1131	1135	1139	1143	1147	1151	1155	1159	1163	1167	1171	1175	1179	1183	1187	1191	1195	1199	1203	1207	1211	1215	1219	1223	1227	1231	1235	1239	1243	1247	1251	1255	1259	1263	1267	1271	1275	1279	1283	1287	1291	1295	1299	1303	1307	1311	1315	1319	1323	1327	1331	1335	1339	1343	1347	1351	1355	1359	1363	1367	1371	1375	1379	1383	1387	1391	1395	1399	1403	1407	1411	1415	1419	1423	1427	1431	1435	1439	1443	1447	1451	1455	1459	1463	1467	1471	1475	1479	1483	1487	1491	1495	1499	1503	1507	1511	1515	1519	1523	1527	1531	1535	1539	1543	1547	1551	1555	1559	1563	1567	1571	1575	1579	1583	1587	1591	1595	1599	1603	1607	1611	1615	1619	1623	1627	1631	1635	1639	1643	1647	1651	1655	1659	1663	1667	1671	1675	1679	1683	1687	1691	1695	1699	1703	1707	1711	1715	1719	1723	1727	1731	1735	1739	1743	1747	1751	1755	1759	1763	1767	1771	1775	1779	1783	1787	1791	1795	1799	1803	1807	1811	1815	1819	1823	1827	1831	1835	1839	1843	1847	1851	1855	1859	1863	1867	1871	1875	1879	1883	1887	1891	1895	1899	1903	1907	1911	1915	1919	1923	1927	1931	1935	1939	1943	1947	1951	1955	1959	1963	1967	1971	1975	1979	1983	1987	1991	1995	1999	2003	2007	2011	2015	2019	2023	2027	2031	2035	2039	2043	2047	2051	2055	2059	2063	2067	2071	2075	2079	2083	2087	2091	2095	2099	2103	2107	2111	2115	2119	2123	2127	2131	2135	2139	2143	2147	2151	2155	2159	2163	2167	2171	2175	2179	2183	2187	2191	2195	2199	2203	2207	2211	2215	2219	2223	2227	2231	2235	2239	2243	2247	2251	2255	2259	2263	2267	2271	2275	2279	2283	2287	2291	2295	2299	2303	2307	2311	2315	2319	2323	2327	2331	2335	2339	2343	2347	2351	2355	2359	2363	2367	2371	2375	2379	2383	2387	2391	2395	2399	2403	2407	2411	2415	2419	2423	2427	2431	2435	2439	2443	2447	2451	2455	2459	2463	2467	2471	2475	2479	2483	2487	2491	2495	2499	2503	2507	2511	2515	2519	2523	2527	2531	2535	2539	2543	2547	2551	2555	2559	2563	2567	2571	2575	2579	2583	2587	2591	2595	2599	2603	2607	2611	2615	2619	2623	2627	2631	2635	2639	2643	2647	2651	2655	2659	2663	2667	2671	2675	2679	2683	2687	2691	2695	2699	2703	2707	2711	2715	2719	2723	2727	2731	2735	2739	2743	2747	2751	2755	2759	2763	2767	2771	2775	2779	2783	2787	2791	2795	2799	2803	2807	2811	2815	2819	2823	2827	2831	2835	2839	2843	2847	2851	2855	2859	2863	2867	2871	2875	2879	2883	2887	2891	2895	2899	2903	2907	2911	2915	2919	2923	2927	2931	2935	2939	2943	2947	2951	2955	2959	2963	2967	2971	2975	2979	2983	2987	2991	2995	2999	3003	3007	3011	3015	3019	3023	3027	3031	3035	3039	3043	3047	3051	3055	3059	3063	3067	3071	3075	3079	3083	3087	3091	3095	3099	3103	3107	3111	3115	3119	3123	3127	3131	3135	3139	3143	3147	3151	3155	3159	3163	3167	3171	3175	3179	3183	3187	3191	3195	3199	3203	3207	3211	3215	3219	3223	3227	3231	3235	3239	3243	3247	3251	3255	3259	3263	3267	3271	3275	3279	3283	3287	3291	3295	3299	3303	3307	3311	3315	3319	3323	3327	3331	3335	3339	3343	3347	3351	3355	3359	3363	3367	3371	3375	3379	3383	3387	3391	3395	3399	3403	3407	3411	3415	3419	3423	3427	3431	3435	3439	3443	3447	3451	3455	3459	3463	3467	3471	3475	3479	3483	3487	3491	3495	3499	3503	3507	3511	3515	3519	3523	3527	3531	3535	3539	3543	3547	3551	3555	3559	3563	3567	3571	3575	3579	3583	3587	3591	3595	3599	3603	3607	3611	3615	3619	3623	3627	3631	3635	3639	3643	3647	3651	3655	3659	3663	3667	3671	3675	3679	3683	3687	3691	3695	3699	3703	3707	3711	3715	3719	3723	3727	3731	3735	3739	3743	3747	3751	3755	3759	3763	3767	3771	3775	3779	3783	3787	3791	3795	3799	3803	3807	3811	3815	3819	3823	3827	3831	3835	3839	3843	3847	3851	3855	3859	3863	3867	3871	3875	3879	3883	3887	3891	3895	3899	3903	3907	3911	3915	3919	3923	3927	3931	3935	3939	3943	3947	3951	3955	3959	3963	3967	3971	3975	3979	3983	3987	3991	3995	3999	4003	4007	4011	4015	4019	4023	4027	4031	4035	4039	4043	4047	4051	4055	4059	4063	4067	4071	4075	4079	4083	4087	4091	4095	4099	4103	4107	4111	4115	4119	4123	4127	4131	4135	4139	4143	4147	4151	4155	4159	4163	4167	4171	4175	4179	4183	4187	4191	4195	4199	4203	4207	4211	4215	4219	4223	4227	4231	4235	4239	4243	4247	4251	4255	4259	4263	4267	4271	4275	4279	4283	4287	4291	4295	4299	4303	4307	4311	4315	4319	4323	4327	4331	4335	4339	4343	4347	4351	4355	4359	4363	4367	4371	4375	4379	4383	4387	4391	4395	4399	4403	4407	4411	4415	4419	4423	4427	4431	4435	4439	4443	4447	4451	4455	4459	4463	4467	4471	4475	4479	4483	4487	4491	4495	4499	4503	4507	4511	4515	4519	4523	4527	4531	4535	4539	4543	4547	4551	4555	4559	4563	4567	4571	4575	4579	4583	4587	4591	4595	4599	4603	4607	4611	4615	4619	4623	4627	4631	4635	4639	4643	4647	4651	4655	4659	4663	4667	4671	4675	4679	4683	4687	4691	4695	4699	4703	4707	4711	4715	4719	4723	4727	4731	4735	4739	4743	4747	4751	4755	4759	4763	4767	4771	4775	4779	4783	4787	4791	4795	4799	4803	4807	4811	4815	4819	4823	4827	4831	4835	4839	4843	4847	4851	4855	4859	4863	4867	4871	4875	4879	4883	4887	4891	4895	4899	4903	4907	4911	4915	4919	4923	4927	4931	4935	4939	4943	4947	4951	4955	4959	4963	4967	4971	4975	4979	4983	4987	4991	4995	4999	5003	5007	5011	5015	5019	5023	5027	5031	5035	5039	5043	5047	5051	5055	5059	5063	5067	5071	5075	5079	5083	5087	5091	5095	5099	5103	5107	5111	5115	5119	5123	5127	5131	5135	5139	5143	5147	5151	5155	5159	5163	5167	5171	5175	5179	5183	5187	5191	5195	5199	5203	5207	5211	5215	5219	5223	5227	5231	5235	5239	5243	5247	5251	5255	5259	5263	5267	5271	5275	5279	5283	5287	5291	5295	5299	5303	5307	5311	5315	5319	5323	5327	5331	5335	5339	5343	5347	5351	5355	5359	5363	5367	5371	5375	5379	5383	5387	5391	5395	5399	5403	5407	5411	5415	5419	5423	5427	5431	5435	5439	5443	5447	5451	5455	5459	5463	5467	5471	5475	5479	5483	5487	5491	5495	5499	5503	5507	5511	5515	5519	5523	5527	5531	5535	5539	5543	5547	5551	5555	5559	5563	5567	5571	5575	5579	5583	5587	5591	5595	5599	5603	5607	56

COOLING PERFORMANCE DATA

DX13SN0361A*

EXPANDED PERFORMANCE DATA

MODEL: DX13SN0361A* / CA*F3636*6D*+EEP

COOLING OPERATION

IDB* Airflow		Outdoor Ambient Temperature																																			
		65						75						85						95						105						115					
		Entering Indoor Wet Bulb Temperature																																			
1050	Net Cap	29.5	30.6	33.5	-	-	28.8	29.9	32.7	-	-	28.1	29.2	31.9	-	-	27.4	28.4	31.2	-	-	26.1	27.0	29.6	-	-	24.2	25.0	27.4	-							
	S/T	0.68	0.57	0.39	-	-	0.70	0.59	0.41	-	-	0.72	0.60	0.42	-	-	0.75	0.62	0.43	-	-	0.77	0.65	0.45	-	-	0.78	0.65	0.45	-							
	Delta T	18	15	12	-	-	18	15	12	-	-	18	15	12	-	-	18	16	12	-	-	18	15	12	-	-	17	14	11	-							
	System KW	2.32	2.37	2.44	-	-	2.49	2.55	2.63	-	-	2.65	2.70	2.79	-	-	2.78	2.84	2.93	-	-	2.89	2.96	3.05	-	-	2.99	3.06	3.16	-							
	OD amps	8.5	8.7	9.0	-	-	9.2	9.5	9.8	-	-	10.1	10.3	10.7	-	-	10.8	11.1	11.4	-	-	11.5	11.8	12.2	-	-	12.2	12.5	13.0	-							
	HI PR	235	252	267	-	-	263	283	299	-	-	299	322	340	-	-	341	367	387	-	-	384	413	436	-	-	424	456	482	-							
	LO PR	101	107	117	-	-	107	113	124	-	-	111	118	129	-	-	116	124	135	-	-	122	130	142	-	-	126	134	146	-							
	Net Cap	32.0	33.1	36.3	-	-	31.2	32.4	35.5	-	-	30.5	31.6	34.6	-	-	29.7	30.8	33.8	-	-	28.2	29.3	32.1	-	-	26.2	27.1	29.7	-							
	S/T	0.71	0.59	0.41	-	-	0.73	0.61	0.42	-	-	0.75	0.63	0.43	-	-	0.77	0.65	0.45	-	-	0.80	0.67	0.46	-	-	0.81	0.68	0.47	-							
	1200	Delta T	17	15	11	-	-	17	15	11	-	-	17	15	11	-	-	18	15	12	-	-	17	15	11	-	-	16	14	11	-						
System KW		2.38	2.43	2.50	-	-	2.56	2.61	2.69	-	-	2.71	2.77	2.86	-	-	2.85	2.91	3.00	-	-	2.97	3.03	3.13	-	-	3.07	3.14	3.24	-							
OD amps		8.8	9.0	9.3	-	-	9.5	9.7	10.1	-	-	10.4	10.6	11.0	-	-	11.1	11.4	11.8	-	-	11.8	12.1	12.6	-	-	12.6	12.9	13.3	-							
HI PR		242	260	275	-	-	271	292	308	-	-	309	332	351	-	-	352	378	399	-	-	395	426	449	-	-	437	470	497	-							
LO PR		104	111	121	-	-	110	117	128	-	-	114	121	133	-	-	120	128	139	-	-	126	134	146	-	-	130	138	151	-							
Net Cap		32.9	34.1	37.4	-	-	32.2	33.3	36.5	-	-	31.4	32.5	35.7	-	-	30.6	31.7	34.8	-	-	29.1	30.2	33.0	-	-	27.0	27.9	30.6	-							
S/T		0.74	0.62	0.43	-	-	0.77	0.64	0.44	-	-	0.79	0.66	0.45	-	-	0.81	0.68	0.47	-	-	0.84	0.70	0.49	-	-	0.85	0.71	0.49	-							
Delta T		17	14	11	-	-	17	15	11	-	-	17	15	11	-	-	17	15	11	-	-	17	14	11	-	-	16	13	10	-							
System KW		2.40	2.45	2.52	-	-	2.58	2.63	2.71	-	-	2.73	2.79	2.88	-	-	2.87	2.93	3.03	-	-	2.99	3.06	3.16	-	-	3.09	3.16	3.26	-							
OD amps		8.8	9.1	9.4	-	-	9.6	9.8	10.2	-	-	10.5	10.7	11.1	-	-	11.2	11.5	11.9	-	-	12.0	12.3	12.7	-	-	12.7	13.0	13.5	-							
1350	HI PR	244	263	278	-	-	274	295	311	-	-	312	335	354	-	-	355	382	403	-	-	399	430	454	-	-	441	475	501	-							
	LO PR	105	112	122	-	-	111	118	129	-	-	115	123	134	-	-	121	129	141	-	-	127	135	147	-	-	131	140	152	-							

1050	Net Cap	30.0	30.9	33.4	35.9	29.3	30.2	32.7	35.1	28.6	29.5	31.9	34.2	27.9	28.7	31.1	33.4	26.5	27.3	29.6	31.7	24.6	25.3	27.4	29.4
	S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.89	0.79	0.60	0.39
	Delta T	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	20	19	15	11	19	18	14	10
	System KW	2.34	2.39	2.46	2.54	2.51	2.57	2.65	2.73	2.67	2.72	2.81	2.90	2.80	2.86	2.96	3.05	2.92	2.98	3.08	3.18	3.02	3.08	3.18	3.29
	OD amps	8.6	8.8	9.1	9.5	9.3	9.6	9.9	10.3	10.2	10.4	10.8	11.2	10.9	11.2	11.6	12.0	11.6	11.9	12.3	12.8	12.3	12.6	13.1	13.6
	HI PR	237	255	269	281	266	286	302	315	302	325	344	358	344	371	391	408	388	417	440	459	428	461	487	507
	LO PR	102	108	118	126	108	114	125	133	112	119	130	138	117	125	136	145	123	131	143	152	127	135	148	158
	Net Cap	32.5	33.5	36.2	38.9	31.8	32.7	35.4	38.0	31.0	31.9	34.5	37.1	30.2	31.1	33.7	36.2	28.7	29.6	32.0	34.4	26.6	27.4	29.7	31.8
	S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40
	Delta T	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	18	15	10	19	17	14	10
1200	System KW	2.40	2.45	2.52	2.60	2.58	2.63	2.71	2.80	2.73	2.79	2.88	2.97	2.87	2.94	3.03	3.13	2.99	3.06	3.16	3.26	3.09	3.16	3.27	3.37
	OD amps	8.8	9.1	9.4	9.7	9.6	9.8	10.2	10.6	10.5	10.7	11.1	11.5	11.2	11.5	11.9	12.4	12.0	12.3	12.7	13.2	12.7	13.0	13.5	14.0
	HI PR	244	263	278	290	274	295	312	325	312	336	354	370	355	382	404	421	399	430	454	473	441	475	502	523
	LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162
	Net Cap	33.5	34.5	37.3	40.0	32.7	33.7	36.4	39.1	31.9	32.9	35.6	38.2	31.1	32.1	34.7	37.3	29.6	30.5	33.0	35.4	27.4	28.2	30.5	32.8
1350	S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	0.82	0.62	0.40	0.96	0.86	0.65	0.42	0.96	0.86	0.65	0.42
	Delta T	19	18	14	10	19	18	15	10	19	18	15	10	20	18	15	10	19	18	15	10	18	17	14	9
	System KW	2.41	2.46	2.54	2.62	2.60	2.65	2.73	2.82	2.76	2.81	2.90	3.00	2.90	2.96	3.05	3.15	3.02	3.08	3.18	3.29	3.12	3.19	3.29	3.40
	OD amps	8.9	9.2	9.5	9.8	9.7	9.9	10.3	10.7	10.6	10.8	11.2	11.6	11.3	11.6	12.0	12.5	12.1	12.4	12.8	13.3	12.8	13.2	13.6	14.1
	HI PR	247	266	280	292	277	298	315	328	315	339	358	373	359	386	408	425	403	434	459	478	446	480	507	528
LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	

EXPANDED PERFORMANCE DATA

COOLING PERFORMANCE DATA

DX13SN0361A*

MODEL: DX13SN0361A* / CA*F3636*6D*+EEP

COOLING OPERATION

IDB* Airflow			Outdoor Ambient 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
	Net Cap	30.5	31.2	33.3	35.6	29.8	30.5	32.6	34.8	29.1	29.8	31.8	34.0	28.4	29.0	31.0	33.2	27.0	27.6	29.5	31.5	25.0	25.5	27.3	29.2	
	S/T	0.85	0.79	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.74	0.55	0.97	0.91	0.74	0.56	
	Delta T	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	18	14	
	System KW	2.36	2.41	2.48	2.56	2.53	2.59	2.67	2.75	2.69	2.75	2.83	2.92	2.83	2.89	2.98	3.08	2.94	3.01	3.10	3.21	3.04	3.11	3.21	3.32	
	OD amps	8.7	8.9	9.2	9.6	9.4	9.7	10.0	10.4	10.3	10.5	10.9	11.3	11.0	11.3	11.7	12.1	11.7	12.0	12.4	12.9	12.5	12.8	13.2	13.7	
	HI PR	239	258	272	284	269	289	305	318	305	329	347	362	348	374	395	412	391	421	445	464	432	465	491	513	
	LO PR	103	109	120	127	109	116	126	134	113	120	131	140	119	126	138	147	124	132	144	154	129	137	149	159	
	Net Cap	33.1	33.8	36.1	38.6	32.3	33.0	35.3	37.7	31.5	32.2	34.4	36.8	30.8	31.4	33.6	35.9	29.2	29.9	31.9	34.1	27.1	27.7	29.6	31.6	
	S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.70	0.52	0.93	0.88	0.71	0.53	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.95	0.77	0.58	
	Delta T	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	21	19	15	21	20	17	14	
	System KW	2.42	2.46	2.54	2.62	2.60	2.65	2.73	2.82	2.76	2.81	2.90	3.00	2.90	2.96	3.05	3.15	3.02	3.08	3.18	3.29	3.12	3.19	3.29	3.40	
	OD amps	8.9	9.2	9.5	9.8	9.7	9.9	10.3	10.7	10.6	10.8	11.2	11.6	11.3	11.6	12.0	12.5	12.1	12.4	12.8	13.3	12.8	13.2	13.6	14.1	
	HI PR	247	266	280	292	277	298	315	328	315	339	358	373	359	386	408	425	404	434	459	478	446	480	507	528	
	LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	
	Net Cap	34.1	34.8	37.2	39.8	33.3	34.0	36.3	38.8	32.5	33.2	35.5	37.9	31.7	32.4	34.6	37.0	30.1	30.8	32.9	35.1	27.9	28.5	30.5	32.6	
	S/T	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.54	1.00	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.81	0.60	
	Delta T	21	20	18	14	22	21	18	14	22	21	18	14	22	21	18	15	21	21	18	14	19	19	17	13	
	System KW	2.43	2.48	2.56	2.64	2.62	2.67	2.76	2.84	2.78	2.84	2.93	3.02	2.92	2.98	3.08	3.18	3.04	3.11	3.21	3.32	3.15	3.21	3.32	3.43	
	OD amps	9.0	9.2	9.6	9.9	9.8	10.0	10.4	10.8	10.7	10.9	11.3	11.8	11.4	11.7	12.1	12.6	12.2	12.5	12.9	13.4	12.9	13.3	13.7	14.3	
	HI PR	249	268	283	295	280	301	318	331	318	342	361	377	362	390	412	429	408	439	463	483	450	485	512	534	
	LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166	

COOLING PERFORMANCE DATA

DX13SN0421A*

EXPANDED PERFORMANCE DATA

MODEL: DX13SN0421A* / CA*F3642*6D*+EEP

COOLING OPERATION

IDB* Airflow		Outdoor Ambient Temperature												Cooling Operation											
		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	Net Cap	35.1	36.4	39.9	-	34.3	35.6	39.0	-	33.5	34.7	38.0	-	32.7	33.9	37.1	-	31.0	32.2	35.2	-	28.8	29.8	32.7	-
	S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
	Delta T	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
	System KW	2.81	2.86	2.94	-	3.00	3.06	3.15	-	3.17	3.24	3.33	-	3.33	3.39	3.50	-	3.45	3.53	3.63	-	3.57	3.64	3.75	-
	OD amps	10.3	10.6	10.9	-	11.1	11.4	11.8	-	12.1	12.4	12.8	-	12.9	13.2	13.7	-	13.7	14.1	14.5	-	14.5	14.9	15.4	-
	HI PR	220	237	250	-	247	266	281	-	281	302	319	-	320	344	363	-	360	387	409	-	398	428	452	-
	LO PR	101	107	117	-	107	113	124	-	111	118	129	-	116	124	135	-	122	130	142	-	126	134	147	-
	Net Cap	38.1	39.4	43.2	-	37.2	38.5	42.2	-	36.3	37.6	41.2	-	35.4	36.7	40.2	-	33.6	34.9	38.2	-	31.2	32.3	35.4	-
	S/T	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.86	0.71	0.49	-	0.86	0.72	0.50	-
	Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-
1400	System KW	2.87	2.92	3.01	-	3.07	3.13	3.22	-	3.25	3.31	3.41	-	3.40	3.47	3.58	-	3.54	3.61	3.72	-	3.65	3.73	3.84	-
	OD amps	10.6	10.9	11.2	-	11.5	11.7	12.1	-	12.4	12.7	13.1	-	13.3	13.6	14.0	-	14.1	14.5	14.9	-	15.0	15.3	15.8	-
	HI PR	227	244	258	-	255	274	289	-	289	312	329	-	330	355	375	-	371	399	421	-	410	441	466	-
	LO PR	104	111	121	-	110	117	128	-	114	122	133	-	120	128	139	-	126	134	146	-	130	138	151	-
	Net Cap	39.2	40.6	44.5	-	38.3	39.7	43.5	-	37.4	38.7	42.4	-	36.5	37.8	41.4	-	34.6	35.9	39.3	-	32.1	33.3	36.4	-
	S/T	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.84	0.70	0.48	-	0.86	0.72	0.50	-	0.90	0.75	0.52	-	0.90	0.76	0.52	-
1575	Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	System KW	2.89	2.94	3.03	-	3.09	3.15	3.25	-	3.27	3.34	3.44	-	3.43	3.50	3.61	-	3.56	3.64	3.75	-	3.68	3.76	3.87	-
	OD amps	10.7	11.0	11.3	-	11.6	11.8	12.2	-	12.5	12.8	13.3	-	13.4	13.7	14.2	-	14.2	14.6	15.1	-	15.1	15.5	16.0	-
	HI PR	229	247	260	-	257	277	292	-	292	315	332	-	333	358	378	-	375	403	426	-	414	445	470	-
	LO PR	105	112	122	-	111	118	129	-	115	123	134	-	121	129	141	-	127	135	148	-	131	140	153	-
	Net Cap	35.7	36.8	39.8	42.7	34.9	35.9	38.9	41.7	34.1	35.1	38.0	40.7	33.2	34.2	37.0	39.7	31.6	32.5	35.2	37.8	29.2	30.1	32.6	35.0
75	Net Cap	35.7	36.8	39.8	42.7	34.9	35.9	38.9	41.7	34.1	35.1	38.0	40.7	33.2	34.2	37.0	39.7	31.6	32.5	35.2	37.8	29.2	30.1	32.6	35.0
	S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.95	0.85	0.64	0.41
	Delta T	22	20	17	11	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11
	System KW	2.83	2.88	2.96	3.05	3.02	3.08	3.17	3.27	3.20	3.26	3.36	3.46	3.35	3.42	3.52	3.63	3.48	3.55	3.66	3.78	3.59	3.67	3.78	3.90
	OD amps	10.4	10.7	11.0	11.4	11.2	11.5	11.9	12.3	12.2	12.5	12.9	13.4	13.0	13.3	13.8	14.3	13.9	14.2	14.7	15.2	14.7	15.0	15.5	16.1
	HI PR	222	239	253	263	249	268	283	296	284	305	322	336	323	348	367	383	363	391	413	431	402	432	456	476
	LO PR	102	108	118	126	108	115	125	133	112	119	130	138	118	125	137	145	123	131	143	152	127	136	148	158
	Net Cap	38.7	39.8	43.1	46.3	37.8	38.9	42.1	45.2	36.9	38.0	41.1	44.1	36.0	37.1	40.1	43.1	34.2	35.2	38.1	40.9	31.7	32.6	35.3	37.9
	S/T	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.39	0.91	0.81	0.61	0.40	0.94	0.84	0.63	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.66	0.43
	Delta T	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11
1400	System KW	2.89	2.95	3.03	3.12	3.09	3.15	3.25	3.35	3.27	3.34	3.44	3.54	3.43	3.50	3.61	3.72	3.57	3.64	3.75	3.87	3.68	3.76	3.88	4.00
	OD amps	10.7	11.0	11.3	11.7	11.6	11.8	12.2	12.7	12.5	12.8	13.3	13.8	13.4	13.7	14.2	14.7	14.3	14.6	15.1	15.7	15.1	15.5	16.0	16.6
	HI PR	229	247	260	272	257	277	292	307	292	315	332	347	333	358	378	395	375	403	426	444	414	446	470	491
	LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	148	157	131	140	153	163
	Net Cap	39.9	41.0	44.4	47.7	38.9	40.1	43.4	46.6	38.0	39.1	42.4	45.5	37.1	38.2	41.3	44.4	35.2	36.3	39.3	42.1	32.6	33.6	36.4	39.0
	S/T	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.95	0.85	0.64	0.41	0.98	0.88	0.66	0.43	1.00	0.91	0.69	0.44	1.00	0.92	0.70	0.45
1575	Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	19	18	15	10
	System KW	2.91	2.97	3.05	3.14	3.12	3.18	3.27	3.37	3.30	3.36	3.47	3.57	3.46	3.53	3.64	3.75	3.59	3.67	3.78	3.90	3.71	3.79	3.91	4.03
	OD amps	10.8	11.1	11.4	11.8	11.7	11.9	12.3	12.8	12.7	13.0	13.4	13.9	13.5	13.8	14.3	14.8	14.4	14.7	15.2	15.8	15.2	15.6	16.1	16.7
	HI PR	231	249	263	274	260	279	295	308	295	318	336	350	336	362	382	399	378	407	430	449	418	450	475	496
	LO PR	106	113	123	131	112	119	130	139	117	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164
	Net Cap	35.7	36.8	39.8	42.7	34.9	35.9	38.9	41.7	34.1	35.1	38.0	40.7	33.2	34.2	37.0	39.7	31.6	32.5	35.2	37.8	29.2	30.1	32.6	35.0

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

Goodman Manufacturing Company, L.P. reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

EXPANDED PERFORMANCE DATA

MODEL: DX13SN0421A* / CA*F3642*6D**EEP

COOLING OPERATION

		Outdoor Ambient Temperature																																			
		65						75						85						95						105						115					
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
	Net Cap	36.4	37.1	39.7	42.4	35.5	36.3	38.8	41.4	34.7	35.4	37.8	40.5	33.8	34.6	36.9	39.5	32.1	32.8	35.1	37.5	29.8	30.4	32.5	34.7												
	S/T	0.90	0.85	0.69	0.52	0.94	0.88	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.03	0.96	0.78	0.59	1.04	0.97	0.79	0.59												
	Delta T	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	15												
	System KW	2.85	2.90	2.98	3.07	3.05	3.11	3.20	3.29	3.22	3.29	3.39	3.49	3.38	3.45	3.55	3.66	3.51	3.58	3.69	3.81	3.62	3.70	3.81	3.93												
	OD amps	10.5	10.8	11.1	11.5	11.4	11.6	12.0	12.4	12.3	12.6	13.0	13.5	13.2	13.5	13.9	14.4	14.0	14.3	14.8	15.4	14.8	15.2	15.7	16.3												
	HI PR	225	242	255	266	252	271	286	299	287	308	326	340	326	351	371	387	367	395	417	435	406	437	461	481												
	LO PR	103	110	120	127	109	116	126	135	113	120	131	140	119	126	138	147	124	132	145	154	129	137	150	159												
	Net Cap	39.4	40.2	43.0	46.0	38.5	39.3	42.0	44.9	37.6	38.4	41.0	43.8	36.6	37.4	40.0	42.8	34.8	35.6	38.0	40.6	32.2	32.9	35.2	37.6												
	S/T	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.82	0.61												
	Delta T	24	23	20	16	25	23	20	16	25	24	20	16	24	24	21	16	23	23	20	16	21	22	19	15												
	System KW	2.91	2.97	3.05	3.14	3.12	3.18	3.27	3.37	3.30	3.36	3.47	3.57	3.46	3.53	3.64	3.75	3.59	3.67	3.78	3.90	3.71	3.79	3.91	4.03												
	OD amps	10.8	11.1	11.4	11.8	11.7	11.9	12.3	12.8	12.7	13.0	13.4	13.9	13.5	13.9	14.3	14.8	14.4	14.7	15.2	15.8	15.2	15.6	16.1	16.7												
	HI PR	231	249	263	274	260	279	295	308	295	318	336	350	336	362	382	399	378	407	430	449	418	450	475	496												
	LO PR	106	113	123	131	112	119	130	139	117	124	135	144	122	130	142	151	128	137	149	159	133	141	154	164												
	Net Cap	40.6	41.5	44.3	47.3	39.6	40.5	43.3	46.2	38.7	39.5	42.2	45.1	37.7	38.6	41.2	44.0	35.9	36.6	39.1	41.8	33.2	33.9	36.3	38.8												
	S/T	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.82	0.61	1.00	1.00	0.85	0.64	1.00	1.00	0.86	0.64												
	Delta T	24	22	19	15	23	23	20	16	23	23	20	16	22	23	20	16	21	21	19	16	19	20	18	15												
		System KW	2.93	2.99	3.08	3.17	3.14	3.20	3.30	3.40	3.32	3.39	3.49	3.60	3.48	3.56	3.66	3.78	3.62	3.70	3.81	3.93	3.74	3.82	3.94	4.06											
OD amps		10.9	11.2	11.5	11.9	11.8	12.0	12.4	12.9	12.8	13.1	13.5	14.0	13.6	14.0	14.4	15.0	14.5	14.9	15.4	15.9	15.4	15.7	16.3	16.9												
HI PR		234	252	266	277	262	282	298	311	298	321	339	354	340	366	386	403	382	411	434	453	422	455	480	501												
LO PR		107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	160	134	143	156	166												
Net Cap		41.3	42.1	44.1	47.0	40.3	41.1	43.0	45.9	39.4	40.1	42.0	44.8	38.4	39.1	41.0	43.7	36.5	37.2	38.9	41.5	33.8	34.4	36.1	38.5												
S/T		1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.80	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77												

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is A CCA (TVA) conditions

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COOLING PERFORMANCE DATA

DX13SN0421A*

COOLING PERFORMANCE DATA

DX13SN0481A*

EXPANDED PERFORMANCE DATA

MODEL: DX13SN0481A* / CA*F4860*6D*+EEP

COOLING OPERATION

IDB* Airflow		Outdoor Ambient 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	59	63	67	71								
1400	Net Cap	40.4	41.9	45.9	-	39.5	40.9	44.8	-	38.5	39.9	43.7	-	37.6	38.9	42.7	-	35.7	37.0	40.5	-	33.1	34.3	37.5	-	33.1	34.3	37.5	-								
	S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.81	0.68	0.47	-	0.81	0.68	0.47	-								
	Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-	18	15	12	-								
	System KW	3.22	3.28	3.37	-	3.44	3.51	3.62	-	3.64	3.72	3.83	-	3.82	3.90	4.02	-	3.97	4.05	4.18	-	4.10	4.19	4.32	-	4.10	4.19	4.32	-								
	OD amps	11.8	12.1	12.5	-	12.8	13.1	13.5	-	13.9	14.2	14.7	-	14.8	15.2	15.7	-	15.8	16.2	16.7	-	16.7	17.1	17.7	-	16.7	17.1	17.7	-								
	HIPR	241	259	274	-	270	291	307	-	307	331	349	-	350	377	398	-	394	424	448	-	435	468	494	-	435	468	494	-								
	LO PR	104	110	120	-	110	117	127	-	114	121	132	-	120	127	139	-	125	133	146	-	130	138	151	-	130	138	151	-								
1600	Net Cap	43.8	45.4	49.7	-	42.7	44.3	48.5	-	41.7	43.2	47.4	-	40.7	42.2	46.2	-	38.7	40.1	43.9	-	35.8	37.1	40.7	-	35.8	37.1	40.7	-								
	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-								
	Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	17	15	11	-								
	System KW	3.29	3.35	3.45	-	3.52	3.59	3.70	-	3.73	3.80	3.92	-	3.91	3.99	4.12	-	4.07	4.15	4.28	-	4.20	4.29	4.42	-	4.20	4.29	4.42	-								
	OD amps	12.2	12.5	12.9	-	13.1	13.5	13.9	-	14.3	14.6	15.1	-	15.3	15.6	16.2	-	16.2	16.6	17.2	-	17.2	17.6	18.2	-	17.2	17.6	18.2	-								
	HIPR	248	267	282	-	279	300	317	-	317	341	360	-	361	388	410	-	406	437	461	-	449	483	510	-	449	483	510	-								
	LO PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	134	142	155	-	134	142	155	-								
1800	Net Cap	45.1	46.7	51.2	-	44.0	45.6	50.0	-	43.0	44.5	48.8	-	41.9	43.5	47.6	-	39.8	41.3	45.2	-	36.9	38.2	41.9	-	36.9	38.2	41.9	-								
	S/T	0.77	0.64	0.44	-	0.80	0.67	0.46	-	0.82	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.51	-	0.88	0.74	0.51	-	0.88	0.74	0.51	-								
	Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-	17	14	11	-								
	System KW	3.31	3.38	3.48	-	3.55	3.62	3.73	-	3.76	3.83	3.95	-	3.94	4.02	4.15	-	4.10	4.18	4.32	-	4.23	4.32	4.46	-	4.23	4.32	4.46	-								
	OD amps	12.3	12.6	13.0	-	13.3	13.6	14.0	-	14.4	14.8	15.3	-	15.4	15.8	16.3	-	16.4	16.8	17.4	-	17.4	17.8	18.4	-	17.4	17.8	18.4	-								
	HIPR	251	270	285	-	281	303	320	-	320	344	364	-	365	392	414	-	410	441	466	-	453	488	515	-	453	488	515	-								
	LO PR	108	115	125	-	114	121	132	-	119	126	138	-	125	132	145	-	130	139	152	-	135	144	157	-	135	144	157	-								

1400	Net Cap	41.1	42.3	45.8	49.1	40.1	41.3	44.7	48.0	39.2	40.3	43.7	46.8	38.2	39.3	42.6	45.7	36.3	37.4	40.5	43.4	33.6	34.6	37.5	40.2
	S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40
	Delta T	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11
	System KW	3.24	3.30	3.40	3.50	3.47	3.54	3.64	3.75	3.67	3.75	3.86	3.98	3.85	3.93	4.05	4.18	4.00	4.09	4.21	4.35	4.13	4.22	4.35	4.49
	OD amps	11.9	12.2	12.6	13.1	12.9	13.2	13.7	14.2	14.0	14.4	14.8	15.4	15.0	15.4	15.9	16.5	15.9	16.3	16.9	17.5	16.9	17.3	17.9	18.6
	HIPR	243	262	276	288	273	294	310	324	311	334	353	368	354	381	402	419	398	428	452	472	440	473	500	521
	LO PR	105	111	122	130	111	118	129	137	115	122	134	142	121	129	140	149	127	135	147	157	131	139	152	162
	Net Cap	44.5	45.8	49.6	53.2	43.5	44.8	48.4	52.0	42.4	43.7	47.3	50.8	41.4	42.6	46.1	49.5	39.3	40.5	43.8	47.0	36.4	37.5	40.6	43.6
	S/T	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.38	0.89	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
	Delta T	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
1600	System KW	3.31	3.38	3.48	3.58	3.55	3.62	3.73	3.84	3.76	3.83	3.95	4.08	3.94	4.02	4.15	4.28	4.10	4.18	4.32	4.45	4.23	4.32	4.46	4.60
	OD amps	12.3	12.6	13.0	13.5	13.3	13.6	14.0	14.6	14.4	14.8	15.3	15.8	15.4	15.8	16.3	16.9	16.4	16.8	17.4	18.0	17.4	17.8	18.4	19.1
	HIPR	251	270	285	297	281	303	320	334	320	344	364	379	365	392	414	432	410	441	466	486	453	488	515	537
	LO PR	108	115	125	134	114	121	132	141	119	126	138	147	125	132	145	154	131	139	152	161	135	144	157	167
	Net Cap	45.8	47.2	51.1	54.8	44.8	46.1	49.9	53.6	43.7	45.0	48.7	52.3	42.6	43.9	47.5	51.0	40.5	41.7	45.1	48.5	37.5	38.6	41.8	44.9
1800	S/T	0.87	0.78	0.59	0.38	0.91	0.81	0.61	0.39	0.93	0.83	0.63	0.40	0.96	0.86	0.65	0.42	0.99	0.89	0.67	0.43	1.00	0.90	0.68	0.44
	Delta T	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	14	10
	System KW	3.34	3.40	3.50	3.61	3.58	3.65	3.76	3.87	3.79	3.86	3.98	4.11	3.97	4.06	4.18	4.31	4.13	4.22	4.35	4.49	4.27	4.36	4.50	4.64
	OD amps	12.4	12.7	13.1	13.6	13.4	13.7	14.2	14.7	14.5	14.9	15.4	16.0	15.6	15.9	16.5	17.1	16.6	17.0	17.5	18.2	17.5	18.0	18.6	19.3
	HIPR	253	273	288	300	284	306	323	337	323	348	367	383	368	396	418	436	414	446	471	491	458	493	520	543
LO PR	109	116	127	135	115	123	134	143	120	127	139	148	126	134	146	156	132	140	153	163	136	145	158	169	

EXPANDED PERFORMANCE DATA

COOLING PERFORMANCE DATA

DX13SN0481A*

MODEL: DX13SN0481A*/CA*F4860*6D**EEP

COOLING OPERATION

IDB* Airflow		Outdoor Ambient Temperature																																			
		65						75						85						95						105						115					
		Entering Indoor Wet Bulb Temperature																																			
1400	Net Cap	41.8	42.7	45.6	48.8	40.8	41.7	44.6	47.7	39.9	40.7	43.5	46.5	38.9	39.7	42.5	45.4	36.9	37.8	40.3	43.1	34.2	35.0	37.4	39.9												
	S/T	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.01	0.95	0.77	0.58												
	Delta T	24	23	20	16	24	23	20	16	25	23	20	16	25	24	21	16	24	23	20	16	23	22	19	15												
	System KW	3.26	3.33	3.42	3.53	3.49	3.56	3.67	3.78	3.70	3.77	3.89	4.01	3.88	3.96	4.08	4.21	4.03	4.12	4.25	4.38	4.17	4.25	4.39	4.53												
	OD amps	12.1	12.3	12.7	13.2	13.0	13.3	13.8	14.3	14.2	14.5	15.0	15.5	15.1	15.5	16.0	16.6	16.1	16.5	17.0	17.7	17.1	17.5	18.1	18.8												
	HI PR	246	264	279	291	276	297	313	327	314	338	356	372	357	384	406	423	402	432	457	476	444	478	505	526												
	LO PR	106	113	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	149	158	132	141	154	164												
	Net Cap	45.3	46.3	49.5	52.9	44.2	45.2	48.3	51.6	43.2	44.1	47.2	50.4	42.1	43.1	46.0	49.2	40.0	40.9	43.7	46.7	37.1	37.9	40.5	43.3												
	S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.98	0.79	0.59	1.00	0.98	0.80	0.60												
	Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	21	21	19	15												
1600	System KW	3.34	3.40	3.50	3.61	3.58	3.65	3.76	3.87	3.79	3.86	3.98	4.11	3.97	4.06	4.18	4.31	4.13	4.22	4.35	4.49	4.27	4.36	4.50	4.64												
	OD amps	12.4	12.7	13.1	13.6	13.4	13.7	14.2	14.7	14.6	14.9	15.4	16.0	15.6	15.9	16.5	17.1	16.6	17.0	17.5	18.2	17.5	18.0	18.6	19.3												
	HI PR	253	273	288	300	284	306	323	337	323	348	367	383	368	396	419	436	414	446	471	491	458	493	520	543												
	LO PR	109	116	127	135	115	123	134	143	120	127	139	148	126	134	146	156	132	140	153	163	136	145	158	169												
	Net Cap	46.7	47.7	50.9	54.4	45.6	46.6	49.7	53.2	44.5	45.5	48.6	51.9	43.4	44.3	47.4	50.6	41.2	42.1	45.0	48.1	38.2	39.0	41.7	44.6												
	S/T	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.95	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63												
	Delta T	23	22	19	15	23	22	19	15	23	22	19	15	22	23	19	16	21	22	19	15	20	20	18	14												
	System KW	3.36	3.43	3.53	3.64	3.60	3.68	3.79	3.90	3.82	3.89	4.01	4.14	4.00	4.09	4.21	4.35	4.16	4.25	4.39	4.53	4.30	4.39	4.53	4.68												
	OD amps	12.5	12.8	13.2	13.7	13.5	13.8	14.3	14.8	14.7	15.0	15.5	16.1	15.7	16.1	16.6	17.2	16.7	17.1	17.7	18.4	17.7	18.1	18.8	19.5												
	HI PR	256	275	291	303	287	309	326	340	327	351	371	387	372	400	423	441	418	450	476	496	462	498	525	548												
LO PR	110	117	128	136	116	124	135	144	121	129	140	150	127	135	148	157	133	142	155	165	138	147	160	170													

85	Net Cap	42.5	43.4	45.4	48.5	41.5	42.4	44.4	47.3	40.6	41.3	43.3	46.2	39.6	40.3	42.2	45.1	37.6	38.3	40.1	42.8	34.8	35.5	37.2	39.7
	S/T	0.92	0.89	0.80	0.65	0.96	0.92	0.83	0.68	0.98	0.95	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.92	0.75
	Delta T	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	25	25	24	21	23	23	23	20
	System KW	3.29	3.35	3.45	3.55	3.52	3.59	3.70	3.81	3.73	3.80	3.92	4.04	3.91	3.99	4.11	4.24	4.07	4.15	4.28	4.42	4.20	4.29	4.42	4.56
	OD amps	12.2	12.5	12.9	13.3	13.1	13.5	13.9	14.4	14.3	14.6	15.1	15.7	15.3	15.6	16.2	16.8	16.2	16.6	17.2	17.9	17.2	17.6	18.2	18.9
	HI PR	248	267	282	294	279	300	317	330	317	341	360	375	361	388	410	428	406	437	461	481	448	483	510	532
	LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	134	142	155	165
	Net Cap	46.1	47.0	49.2	52.5	45.0	45.9	48.1	51.3	43.9	44.8	46.9	50.1	42.9	43.7	45.8	48.8	40.7	41.5	43.5	46.4	37.7	38.5	40.3	43.0
	S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
	Delta T	25	25	24	20	26	25	24	21	25	25	24	21	25	25	24	21	23	24	24	21	22	22	22	19
1600	Net Cap	47.5	48.4	50.7	54.1	46.4	47.3	49.5	52.8	45.3	46.1	48.3	51.6	44.2	45.0	47.1	50.3	42.0	42.8	44.8	47.8	38.9	39.6	41.5	44.3
	S/T	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.81
	Delta T	24	24	23	20	24	24	23	20	23	24	23	20	23	23	23	20	21	22	23	20	20	20	21	18
	System KW	3.39	3.45	3.56	3.66	3.63	3.70	3.82	3.93	3.85	3.93	4.05	4.17	4.04	4.12	4.25	4.38	4.20	4.29	4.42	4.56	4.34	4.43	4.57	4.72
	OD amps	12.6	12.9	13.3	13.8	13.6	14.0	14.4	15.0	14.8	15.2	15.7	16.3	15.8	16.2	16.8	17.4	16.9	17.3	17.9	18.5	17.9	18.3	18.9	19.7
	HI PR	258	278	294	306	290	312	330	344	330	355	375	391	376	404	427	445	423	455	480	501	467	503	531	553
	LO PR	111	118	129	138	118	125	137	145	122	130	142	151	128	137	149	159	134	143	156	166	139	148	162	172
	Net Cap	47.5	48.4	50.7	54.1	46.4	47.3	49.5	52.8	45.3	46.1	48.3	51.6	44.2	45.0	47.1	50.3	42.0	42.8	44.8	47.8	38.9	39.6	41.5	44.3
	S/T	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.81
	Delta T	24	24	23	20	24	24	23	20	23	24	23	20	23	23	23	20	21	22	23	20	20	20	21	18
1800	Net Cap	47.5	48.4	50.7	54.1	46.4	47.3	49.5	52.8	45.3	46.1	48.3	51.6	44.2	45.0	47.1	50.3	42.0	42.8	44.8	47.8	38.9	39.6	41.5	44.3
	S/T	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0

COOLING PERFORMANCE DATA

DX13SN0601A*

EXPANDED PERFORMANCE DATA

MODEL: DX13SN0601B* / CA*F4961*6D*+EEP

COOLING OPERATION

IDB*		Outdoor Ambient Temperature																										
		65				75				85				95				105				115						
		Airflow						Entering Indoor						Wet Bulb Temperature														
59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	1500	MBh	50.1	51.9	56.8	-	48.9	50.7	55.5	-	47.7	49.5	54.2	-	46.6	48.3	52.9	-	44.2	45.8	50.2	-	41.0	42.5	46.5	-		
		S/T	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.64	0.44	-	0.77	0.64	0.44	-		
		DeltaT	21	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-		
		kW	3.87	3.95	4.07	-	4.16	4.24	4.38	-	4.41	4.50	4.65	-	4.63	4.73	4.89	-	4.82	4.93	5.09	-	4.99	5.10	5.26	-		
		Amps	14.4	14.8	15.3	-	15.6	16.0	16.5	-	17.0	17.4	18.0	-	18.2	18.6	19.2	-	19.3	19.8	20.5	-	20.5	21.0	21.7	-		
		Hi PR	229	246	260	-	257	276	292	-	292	314	332	-	333	358	378	-	374	403	425	-	413	445	470	-		
		LO PR	101	108	118	-	107	114	125	-	111	119	129	-	117	125	136	-	123	130	142	-	127	135	147	-		
		MBh	54.2	56.2	61.6	-	53.0	54.9	60.1	-	51.7	53.6	58.7	-	50.4	52.3	57.3	-	47.9	49.7	54.4	-	44.4	46.0	50.4	-		
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-		
		DeltaT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-		
2000	1750	kW	3.96	4.04	4.17	-	4.26	4.35	4.48	-	4.52	4.62	4.76	-	4.75	4.85	5.01	-	4.95	5.05	5.22	-	5.12	5.23	5.40	-		
		Amps	14.8	15.2	15.7	-	16.1	16.4	17.0	-	17.5	17.9	18.5	-	18.7	19.1	19.8	-	19.9	20.4	21.1	-	21.1	21.6	22.4	-		
		Hi PR	236	254	268	-	265	285	301	-	301	324	342	-	343	369	390	-	386	415	438	-	426	459	484	-		
		LO PR	105	111	122	-	111	118	128	-	115	122	133	-	121	128	140	-	126	135	147	-	131	139	152	-		
		MBh	55.9	57.9	63.4	-	54.6	56.5	62.0	-	53.3	55.2	60.5	-	52.0	53.9	59.0	-	49.4	51.2	56.1	-	45.7	47.4	51.9	-		
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.83	0.70	0.48	-		
		DeltaT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	13	-	19	16	12	-	18	15	12	-		
		kW	3.99	4.07	4.20	-	4.29	4.38	4.52	-	4.56	4.65	4.80	-	4.79	4.89	5.05	-	4.99	5.10	5.26	-	5.16	5.27	5.44	-		
		Amps	15.0	15.3	15.8	-	16.2	16.6	17.2	-	17.6	18.1	18.7	-	18.9	19.3	20.0	-	20.1	20.6	21.3	-	21.3	21.8	22.6	-		
		Hi PR	238	256	271	-	267	288	304	-	304	327	346	-	346	373	394	-	390	419	443	-	430	463	489	-		
LO PR	106	112	123	-	112	119	130	-	116	123	135	-	122	130	142	-	128	136	148	-	132	141	153	-				
75	1500	MBh	50.9	52.4	56.7	60.9	49.7	51.2	55.4	59.5	48.5	50.0	54.1	58.1	47.3	48.8	52.8	56.6	45.0	46.3	50.1	53.8	41.7	42.9	46.4	49.8		
		S/T	0.76	0.68	0.51	0.33	0.79	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.75	0.56	0.36	0.87	0.77	0.59	0.38	0.87	0.78	0.59	0.38		
		DeltaT	24	22	18	12	24	22	18	13	24	22	18	13	24	22	18	13	24	22	18	12	22	21	17	12		
		kW	3.90	3.98	4.10	4.23	4.19	4.28	4.41	4.55	4.45	4.54	4.68	4.84	4.67	4.77	4.93	5.09	4.86	4.97	5.13	5.30	5.03	5.14	5.31	5.48		
		Amps	14.6	14.9	15.4	16.0	15.8	16.1	16.7	17.3	17.1	17.6	18.1	18.8	18.3	18.8	19.4	20.2	19.5	20.0	20.7	21.5	20.7	21.2	21.9	22.8		
		Hi PR	231	249	263	274	259	279	295	307	295	317	335	350	336	362	382	398	378	407	430	448	418	449	475	495		
		LO PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	128	136	149	159		
		MBh	55.1	56.8	61.5	66.0	53.9	55.5	60.0	64.4	52.6	54.1	58.6	62.9	51.3	52.8	57.2	61.4	48.7	50.2	54.3	58.3	45.1	46.5	50.3	54.0		
		S/T	0.79	0.71	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.59	0.38	0.90	0.80	0.61	0.39	0.91	0.81	0.61	0.39		
		DeltaT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	18	12	23	21	17	12	21	20	16	11		
2000	1750	kW	3.99	4.07	4.20	4.33	4.29	4.38	4.52	4.66	4.56	4.65	4.80	4.96	4.79	4.89	5.05	5.22	4.99	5.10	5.26	5.44	5.16	5.27	5.44	5.63		
		Amps	15.0	15.3	15.8	16.4	16.2	16.6	17.2	17.8	17.6	18.1	18.7	19.4	18.9	19.3	20.0	20.8	20.1	20.6	21.3	22.1	21.3	21.8	22.6	23.5		
		Hi PR	238	256	271	282	267	288	304	317	304	327	346	360	346	373	394	411	390	419	443	462	431	463	489	510		
		LO PR	106	112	123	131	112	119	130	138	116	123	135	144	122	130	142	151	128	136	148	158	132	141	153	163		
		MBh	56.8	58.5	63.3	67.9	55.5	57.1	61.8	66.4	54.2	55.8	60.4	64.8	52.8	54.4	58.9	63.2	50.2	51.7	55.9	60.0	46.5	47.9	51.8	55.6		
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.59	0.38	0.91	0.81	0.61	0.39	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41		
		DeltaT	22	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	22	20	16	11	20	19	15	11		
		kW	4.02	4.11	4.23	4.37	4.33	4.42	4.56	4.70	4.59	4.69	4.84	5.00	4.83	4.93	5.09	5.26	5.03	5.14	5.31	5.48	5.20	5.32	5.49	5.67		
		Amps	15.1	15.5	16.0	16.6	16.4	16.8	17.3	18.0	17.8	18.2	18.8	19.6	19.0	19.5	20.2	20.9	20.3	20.8	21.5	22.3	21.5	22.0	22.8	23.7		
		Hi PR	241	259	274	285	270	291	307	320	307	331	349	364	350	376	398	415	394	424	447	466	435	468	494	515		
LO PR	107	114	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	160	133	142	155	165				

* Entering Indoor DryBulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

Goodman Manufacturing Company, L.P. reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

EXPANDED PERFORMANCE DATA

COOLING PERFORMANCE DATA

DX13SN0601A*

MODEL: DX13SN0601B* / CA*F4961*6D*+EEP

COOLING OPERATION

		Outdoor Ambient Temperature																							
		65				75				85				95				105				115			
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	MBh	51.8	52.9	56.6	60.5	50.6	51.7	55.2	59.1	49.4	50.5	53.9	57.6	48.2	49.2	52.6	56.2	45.8	46.8	50.0	53.4	42.4	43.3	46.3	49.5
	S/T	0.83	0.78	0.64	0.48	0.86	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.96	0.90	0.73	0.55
	Delta T	26	25	22	18	27	26	22	18	27	26	22	18	27	26	23	18	27	26	22	18	25	24	21	17
	kW	3.93	4.01	4.13	4.26	4.22	4.31	4.45	4.59	4.48	4.58	4.72	4.88	4.71	4.81	4.97	5.13	4.90	5.01	5.17	5.34	5.07	5.18	5.35	5.53
	Amps	14.7	15.1	15.6	16.1	15.9	16.3	16.8	17.5	17.3	17.7	18.3	19.0	18.5	19.0	19.6	20.4	19.7	20.2	20.9	21.7	20.9	21.4	22.2	23.0
	Hi PR	234	251	265	277	262	282	298	311	298	321	339	353	339	365	386	402	382	411	434	453	422	454	479	500
	LO PR	104	110	120	128	109	116	127	135	114	121	132	141	119	127	139	148	125	133	145	155	129	138	150	160
	MBh	56.1	57.4	61.3	65.5	54.8	56.0	59.9	64.0	53.5	54.7	58.4	62.5	52.2	53.4	57.0	60.9	49.6	50.7	54.2	57.9	45.9	46.9	50.2	53.6
	S/T	0.86	0.81	0.66	0.49	0.90	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.76	0.57
	Delta T	25	24	21	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	21	17	24	23	20	16
2000	kW	4.02	4.11	4.23	4.37	4.33	4.42	4.56	4.70	4.59	4.69	4.84	5.00	4.83	4.93	5.09	5.26	5.03	5.14	5.31	5.48	5.20	5.32	5.49	5.67
	Amps	15.1	15.5	16.0	16.6	16.4	16.8	17.3	18.0	17.8	18.2	18.8	19.6	19.0	19.5	20.2	20.9	20.3	20.8	21.5	22.3	21.5	22.0	22.8	23.7
	Hi PR	241	259	274	285	270	291	307	320	307	331	349	364	350	377	398	415	394	424	447	467	435	468	494	515
	LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	133	142	155	165
	MBh	57.8	59.1	63.1	67.5	56.5	57.7	61.6	65.9	55.1	56.3	60.2	64.3	53.8	55.0	58.7	62.8	51.1	52.2	55.8	59.6	47.3	48.4	51.7	55.2
	S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.79	0.59
	Delta T	24	23	20	16	24	23	20	16	24	23	20	16	25	24	20	16	23	23	20	16	22	22	19	15
	kW	4.05	4.14	4.27	4.40	4.36	4.45	4.59	4.74	4.63	4.73	4.88	5.04	4.87	4.97	5.13	5.30	5.07	5.18	5.35	5.53	5.24	5.36	5.54	5.72
	Amps	15.2	15.6	16.1	16.7	16.5	16.9	17.5	18.1	18.0	18.4	19.0	19.8	19.2	19.7	20.4	21.1	20.5	21.0	21.7	22.5	21.7	22.3	23.0	23.9
	Hi PR	243	262	276	288	265	285	301	314	301	324	342	357	343	369	390	406	386	415	438	457	426	459	484	505
85	LO PR	105	111	121	129	110	118	128	137	115	122	133	142	121	128	140	149	126	134	147	156	131	139	152	162
	MBh	57.1	58.2	61.0	65.0	55.8	56.9	59.6	63.5	54.5	55.5	58.1	62.0	53.1	54.2	56.7	60.5	50.5	51.4	53.9	57.5	46.7	47.7	49.9	53.2
	S/T	0.91	0.87	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
	Delta T	27	27	25	22	28	27	26	22	28	27	26	22	28	27	26	22	27	27	25	22	25	25	24	21
	kW	4.05	4.14	4.27	4.40	4.36	4.45	4.59	4.74	4.63	4.73	4.88	5.04	4.87	4.97	5.13	5.30	5.07	5.18	5.35	5.53	5.24	5.36	5.54	5.72
	Amps	15.2	15.6	16.1	16.7	16.5	16.9	17.5	18.1	18.0	18.4	19.0	19.8	19.2	19.7	20.4	21.1	20.5	21.0	21.7	22.5	21.7	22.3	23.0	23.9
	Hi PR	243	262	276	288	273	294	310	323	310	334	353	368	353	380	402	419	398	428	452	471	439	473	499	521
	LO PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	161	135	143	157	167
	MBh	58.8	60.0	62.8	67.0	57.5	58.6	61.3	65.4	56.1	57.2	59.9	63.9	54.7	55.8	58.4	62.3	52.0	53.0	55.5	59.2	48.2	49.1	51.4	54.8
	S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77
2000	Delta T	26	25	24	21	26	26	24	21	26	26	24	21	25	26	24	21	24	24	24	21	22	23	22	19
	kW	4.09	4.17	4.30	4.44	4.39	4.49	4.63	4.78	4.67	4.77	4.92	5.08	4.91	5.01	5.18	5.35	5.11	5.22	5.39	5.57	5.29	5.40	5.58	5.77
	Amps	15.4	15.8	16.3	16.9	16.7	17.1	17.6	18.3	18.1	18.6	19.2	19.9	19.4	19.9	20.6	21.3	20.7	21.2	21.9	22.7	21.9	22.5	23.2	24.1
	Hi PR	246	264	279	291	276	297	313	327	313	337	356	371	357	384	406	423	402	432	456	476	444	477	504	526
	LO PR	109	116	126	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168
	MBh	59.1	60.4	63.3	67.5	58.0	59.2	62.1	66.3	58.5	59.7	62.6	66.8	59.0	60.2	63.1	67.3	59.2	60.4	63.3	67.5	59.4	60.6	63.5	67.7
	S/T	0.96	0.92	0.83	0.67	1.00	0.96	0.87	0.71	1.00	0.97	0.88	0.71	1.00	0.97	0.87	0.70	1.00	0.97	0.87	0.70	1.00	0.97	0.87	0.70
	Delta T	27	27	25	22	28	27	26	22	28	27	26	22	28	27	26	22	27	27	25	22	25	25	24	21
	kW	4.05	4.14	4.27	4.40	4.36	4.45	4.59	4.74	4.63	4.73	4.88	5.04	4.87	4.97	5.13	5.30	5.07	5.18	5.35	5.53	5.24	5.36	5.54	5.72
	Amps	15.2	15.6	16.1	16.7	16.5	16.9	17.5	18.1	18.0	18.4	19.0	19.8	19.2	19.7	20.4	21.1	20.5	21.0	21.7	22.5	21.7	22.3	23.0	23.9

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

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COOLING PERFORMANCE DATA

DX13SN0611A*

EXPANDED PERFORMANCE DATA

MODEL: DX13SN0611A* / CA*F4961*6D*+EEP

COOLING OPERATION

IDB* Airflow		Outdoor Ambient 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
1500	MBh	53.8	55.7	61.0	-	52.5	54.4	59.6	-	51.3	53.1	58.2	-	50.0	51.8	56.8	-	47.5	49.2	53.9	-	44.0	45.6	50.0	-
	S/T	0.66	0.55	0.38	-	0.68	0.57	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.75	0.63	0.44	-
	DeltaT	22	19	14	-	22	19	14	-	22	19	14	-	22	19	14	-	22	19	14	-	20	18	13	-
	kW	3.97	4.05	4.18	-	4.27	4.37	4.51	-	4.54	4.64	4.80	-	4.78	4.89	5.05	-	4.99	5.10	5.27	-	5.16	5.28	5.45	-
	Amps	15.4	15.8	16.3	-	16.7	17.1	17.6	-	18.1	18.6	19.2	-	19.4	19.9	20.6	-	20.7	21.2	21.9	-	22.0	22.5	23.3	-
	HI PR	228	245	259	-	256	275	291	-	291	313	331	-	331	357	377	-	373	401	424	-	412	443	468	-
	LO PR	98	104	114	-	103	110	120	-	107	114	125	-	113	120	131	-	118	126	137	-	122	130	142	-
1750	MBh	55.4	57.4	62.9	-	54.1	56.1	61.4	-	52.8	54.7	59.9	-	51.5	53.4	58.5	-	48.9	50.7	55.6	-	45.3	47.0	51.5	-
	S/T	0.69	0.57	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-
	DeltaT	20	17	13	-	20	18	13	-	20	18	13	-	20	18	13	-	20	17	13	-	19	16	12	-
	kW	4.00	4.09	4.21	-	4.31	4.40	4.54	-	4.58	4.68	4.84	-	4.82	4.93	5.09	-	5.03	5.14	5.31	-	5.20	5.32	5.50	-
	Amps	15.5	15.9	16.4	-	16.8	17.2	17.8	-	18.3	18.8	19.4	-	19.6	20.1	20.8	-	20.9	21.4	22.2	-	22.2	22.7	23.5	-
	HI PR	230	248	262	-	258	278	294	-	294	316	334	-	335	360	380	-	377	405	428	-	416	448	473	-
	LO PR	99	105	115	-	104	111	121	-	108	115	126	-	114	121	132	-	119	127	139	-	124	131	143	-
2000	MBh	55.6	57.7	63.2	-	54.3	56.3	61.7	-	53.0	55.0	60.2	-	51.8	53.6	58.8	-	49.2	51.0	55.8	-	45.5	47.2	51.7	-
	S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
	DeltaT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	kW	4.03	4.12	4.25	-	4.34	4.44	4.58	-	4.62	4.72	4.88	-	4.86	4.97	5.13	-	5.07	5.18	5.36	-	5.25	5.37	5.55	-
	Amps	15.7	16.0	16.6	-	17.0	17.4	18.0	-	18.5	18.9	19.6	-	19.8	20.3	21.0	-	21.1	21.6	22.4	-	22.4	22.9	23.7	-
	HI PR	233	250	264	-	261	281	297	-	297	319	337	-	338	364	384	-	380	409	432	-	420	452	477	-
	LO PR	100	106	116	-	105	112	122	-	110	117	127	-	115	122	134	-	121	128	140	-	125	133	145	-
1500	MBh	54.7	56.3	60.9	65.4	53.4	55.0	59.5	63.9	52.1	53.7	58.1	62.3	50.9	52.4	56.7	60.8	48.3	49.7	53.8	57.8	44.7	46.1	49.9	53.5
	S/T	0.75	0.67	0.50	0.32	0.77	0.69	0.52	0.34	0.79	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.86	0.77	0.58	0.37
	DeltaT	25	23	19	13	25	23	19	13	25	23	19	13	26	23	19	13	23	23	19	13	23	22	18	12
	kW	4.00	4.09	4.22	4.35	4.31	4.40	4.55	4.69	4.58	4.68	4.84	5.00	4.82	4.93	5.09	5.26	5.03	5.14	5.31	5.49	5.20	5.32	5.50	5.69
	Amps	15.5	15.9	16.4	17.1	16.8	17.2	17.8	18.5	18.3	18.8	19.4	20.2	19.6	20.1	20.8	21.6	20.9	21.4	22.2	23.0	22.2	22.7	23.5	24.4
	HI PR	230	248	262	273	258	278	294	306	294	316	334	348	335	360	380	397	377	405	428	446	416	448	473	493
	LO PR	99	105	115	122	104	111	121	129	108	115	126	134	114	121	132	141	119	127	139	148	124	131	143	153
1750	MBh	56.3	58.0	62.7	67.3	55.0	56.6	61.3	65.8	53.7	55.3	59.8	64.2	52.4	53.9	58.4	62.6	49.8	51.2	55.5	59.5	46.1	47.5	51.4	55.1
	S/T	0.78	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39
	DeltaT	23	21	17	12	23	22	18	12	23	22	18	12	24	22	18	12	23	21	18	12	22	20	16	11
	kW	4.03	4.12	4.25	4.39	4.34	4.44	4.58	4.73	4.62	4.72	4.88	5.04	4.86	4.97	5.14	5.31	5.07	5.18	5.36	5.54	5.25	5.37	5.55	5.74
	Amps	15.7	16.1	16.6	17.2	17.0	17.4	18.0	18.7	18.5	18.9	19.6	20.3	19.8	20.3	21.0	21.8	21.1	21.6	22.4	23.2	22.4	22.9	23.7	24.7
	HI PR	233	250	264	276	261	281	297	309	297	320	337	352	338	364	384	401	380	409	432	451	420	452	478	498
	LO PR	100	106	116	123	105	112	122	130	110	117	127	136	115	122	134	142	121	128	140	149	125	133	145	154
2000	MBh	56.6	58.3	63.1	67.7	55.3	56.9	61.6	66.1	53.9	55.5	60.1	64.5	52.6	54.2	58.7	63.0	50.0	51.5	55.7	59.8	46.3	47.7	51.6	55.4
	S/T	0.79	0.71	0.54	0.35	0.82	0.73	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40
	DeltaT	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
	kW	4.06	4.15	4.28	4.42	4.38	4.48	4.62	4.77	4.66	4.76	4.92	5.08	4.90	5.01	5.18	5.35	5.11	5.23	5.40	5.59	5.29	5.41	5.59	5.78
	Amps	15.8	16.2	16.7	17.4	17.1	17.6	18.1	18.8	18.7	19.1	19.8	20.5	20.0	20.5	21.2	22.0	21.3	21.8	22.6	23.5	22.6	23.2	24.0	24.9
	HI PR	235	253	267	278	264	284	300	312	300	323	341	355	341	367	388	405	384	413	437	455	424	457	482	503
	LO PR	101	107	117	125	106	113	124	132	111	118	129	137	116	124	135	144	122	130	141	151	126	134	146	156

* Entering Indoor DryBulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

Goodman Manufacturing Company, L.P. reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

EXPANDED PERFORMANCE DATA

COOLING PERFORMANCE DATA

DX13SN0611A*

MODEL: DX13SN0611A* / CA*F4961*6D**EEP

COOLING OPERATION

IDB* Airflow		Outdoor Ambient 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	59	63	67	71								
80	1500	MBh	55.6	56.9	60.7	64.9	54.3	55.5	59.3	63.4	53.0	54.2	57.9	61.9	51.8	52.9	56.5	60.4	49.2	50.2	53.7	57.4	45.5	46.5	49.7	53.2	45.5	46.5	49.7	53.2							
		S/T	0.82	0.77	0.62	0.47	0.85	0.80	0.65	0.48	0.87	0.82	0.66	0.50	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.94	0.88	0.72	0.54	0.94	0.88	0.72	0.54							
		DeltaT	28	27	23	19	28	27	24	19	28	27	24	19	28	27	24	19	28	27	23	19	26	25	22	17	26	25	22	17							
		kW	4.03	4.12	4.25	4.39	4.35	4.44	4.58	4.73	4.62	4.72	4.88	5.04	4.86	4.97	5.14	5.31	5.07	5.18	5.36	5.54	5.25	5.37	5.55	5.74	5.25	5.37	5.55	5.74							
		Amps	15.7	16.1	16.6	17.2	17.0	17.4	18.0	18.7	18.5	18.9	19.6	20.3	19.8	20.3	21.0	21.8	21.1	21.6	22.4	23.2	22.4	22.9	23.7	24.7	22.4	22.9	23.7	24.7							
	1750	HI PR	233	250	264	276	261	281	297	309	297	320	337	352	338	364	384	401	380	409	432	451	420	452	478	498	420	452	478	498							
		LO PR	100	106	116	123	105	112	122	130	110	117	127	136	115	122	134	142	121	128	140	149	125	133	145	154	125	133	145	154							
		MBh	57.3	58.6	62.6	66.9	56.0	57.2	61.1	65.3	54.6	55.8	59.6	63.8	53.3	54.5	58.2	62.2	50.6	51.7	55.3	59.1	46.9	47.9	51.2	54.7	46.9	47.9	51.2	54.7							
		S/T	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.91	0.85	0.70	0.52	0.94	0.88	0.72	0.54	1.00	0.92	0.75	0.56	1.00	0.92	0.75	0.56	1.00	0.92	0.75	0.56							
		DeltaT	26	25	22	17	26	25	22	17	26	25	22	17	26	25	22	18	27	25	22	17	25	23	20	16	27	25	22	17							
2000	1750	kW	4.07	4.15	4.28	4.42	4.38	4.48	4.62	4.77	4.66	4.76	4.92	5.08	4.90	5.01	5.18	5.35	5.11	5.23	5.40	5.59	5.29	5.41	5.59	5.79	5.29	5.41	5.59	5.79							
		Amps	15.8	16.2	16.7	17.4	17.1	17.6	18.2	18.9	18.7	19.1	19.8	20.5	20.0	20.5	21.2	22.0	21.3	21.8	22.6	23.5	22.6	23.2	24.0	24.9	22.6	23.2	24.0	24.9							
		HI PR	235	253	267	279	264	284	300	313	300	323	341	355	342	368	388	405	384	414	437	455	425	457	482	503	425	457	482	503							
		LO PR	101	107	117	125	107	113	124	132	111	118	129	137	116	124	135	144	122	130	142	151	126	134	146	156	126	134	146	156							
		MBh	57.6	58.8	62.9	67.2	56.2	57.5	61.4	65.6	54.9	56.1	59.9	64.1	53.6	54.7	58.5	62.5	50.9	52.0	55.6	59.4	47.1	48.2	51.5	55.0	47.1	48.2	51.5	55.0							
	2000	S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.92	0.87	0.71	0.53	0.95	0.89	0.73	0.54	1.00	0.93	0.76	0.56	1.00	0.94	0.76	0.57	1.00	0.94	0.76	0.57							
		DeltaT	23	22	19	15	23	22	19	16	23	22	19	16	23	23	20	16	23	22	19	15	22	21	18	14	22	21	18	14							
		kW	4.10	4.19	4.32	4.46	4.42	4.51	4.66	4.81	4.70	4.80	4.96	5.12	4.94	5.06	5.22	5.40	5.16	5.27	5.45	5.63	5.34	5.46	5.64	5.84	5.34	5.46	5.64	5.84							
		Amps	16.0	16.4	16.9	17.6	17.3	17.7	18.3	19.0	18.8	19.3	20.0	20.7	20.2	20.7	21.4	22.2	21.5	22.0	22.8	23.7	22.8	23.4	24.2	25.1	22.8	23.4	24.2	25.1							
		HI PR	237	255	270	281	266	287	303	316	303	326	344	359	345	371	392	409	388	418	441	460	429	461	487	508	429	461	487	508							
LO PR	102	108	118	126	108	114	125	133	112	119	130	138	117	125	136	145	123	131	143	152	127	135	148	157	127	135	148	157									

PERFORMANCE DATA

PERFORMANCE TEST

All data based upon listed indoor dry bulb temperature. .00 inches external static pressure on coil of outdoor section. Indoor air cubic feet per minute (CFM) as listed in the Performance Data Sheets:

If conditions vary from this, results will change as follows:

1. As indoor dry bulb temperatures increase, a slight increase will occur in indoor air temperature drop (Delta T). Low and high side pressures and power will not change.
2. As indoor CFM decreases, a slight increase will occur in indoor temperature drop (Delta T). A slight decrease will occur in low and high side pressures and power.

A properly operating unit should be within plus or minus 2 **degrees** of the subcooling value shown in the installation instructions.

A properly operating unit should be within plus or minus **3 degrees** of the typical (Delta T) value shown.

A properly operating unit should be within plus or minus **10 PSIG** of the **HI PR** shown.

A properly operating unit should be within plus or minus **5 PSIG** of the **LO PR** shown.

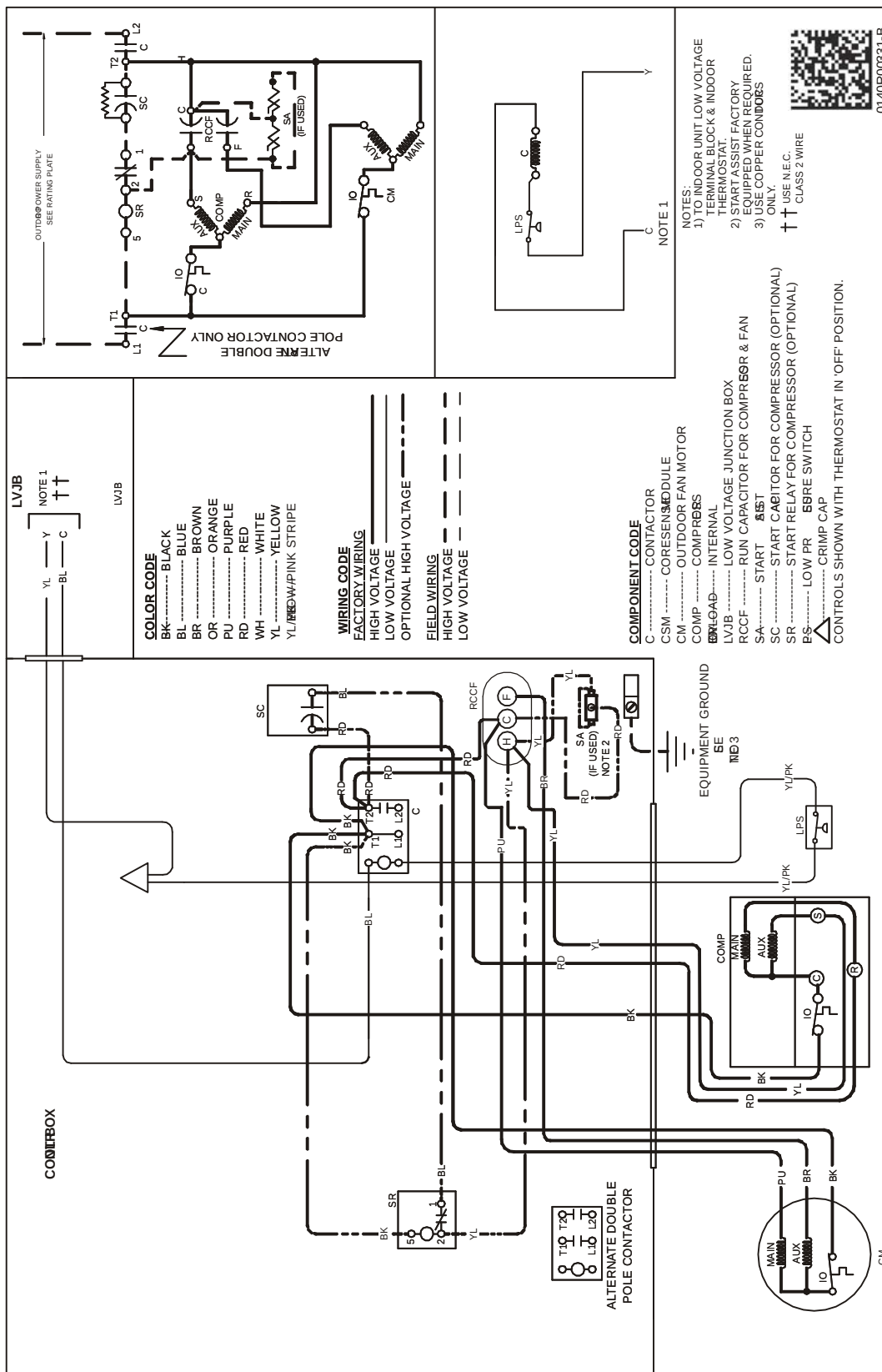
A properly operating unit should be within plus or minus **3 Amps** of the typical value shown.

NOTE: Pressures are measures at the liquid and suction service valve ports.

DX13SN0[18-24]1A*



DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



Wiring is subject to change, always refer to the wiring diagram on the unit for the most up-to-date wiring.

WIRING DIAGRAMS

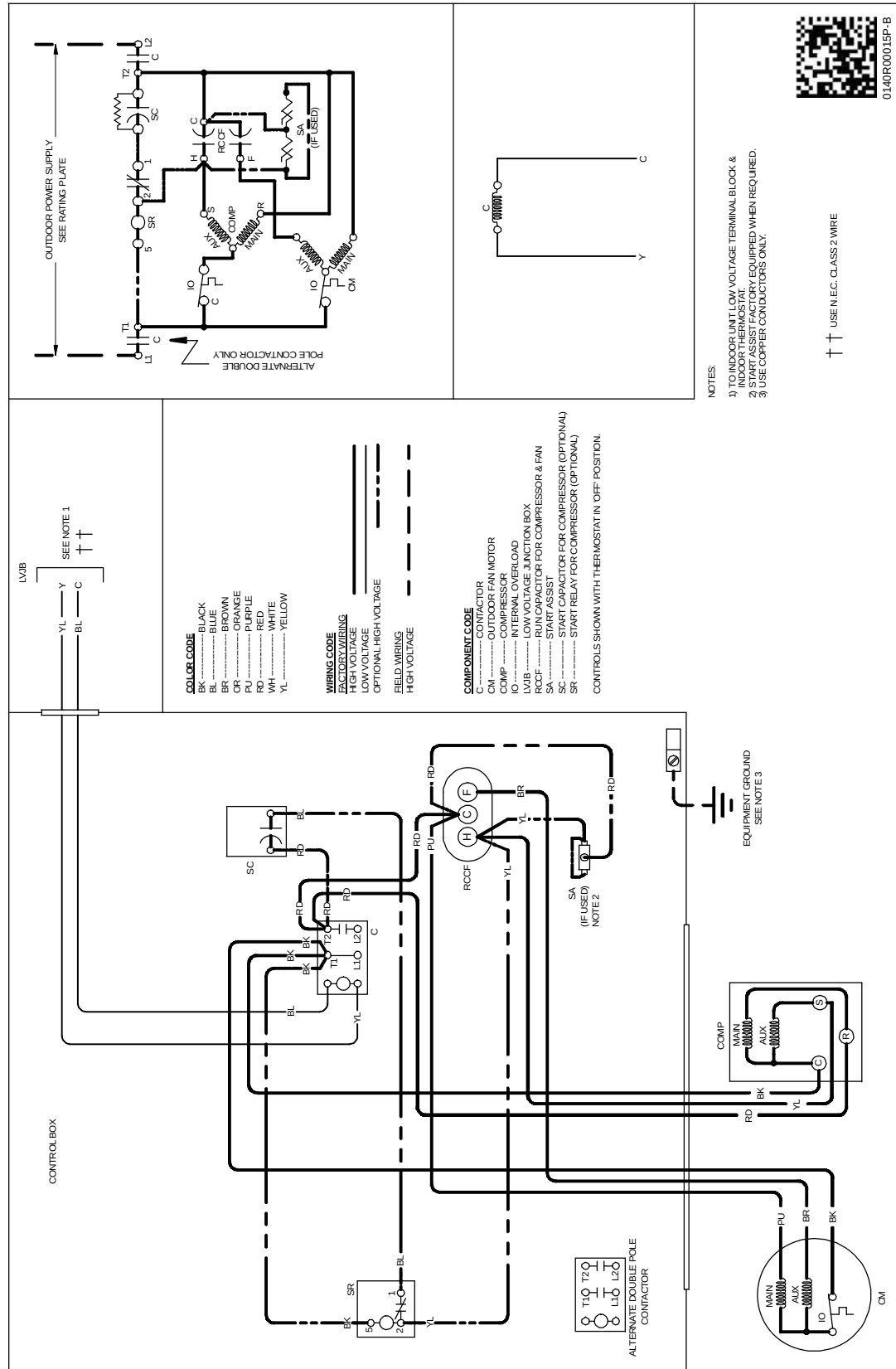
DX13SN0[30-61]1A*



WARNING

HIGH VOLTAGE!

DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



Wiring is subject to change, always refer to the wiring diagram on the unit for the most up-to-date wiring.