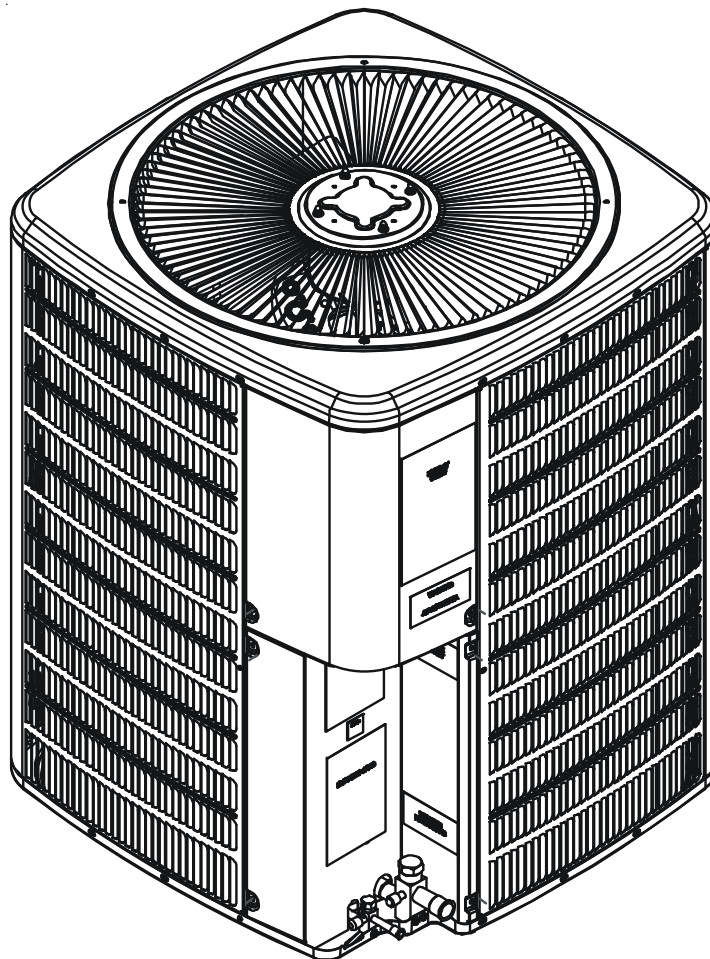


DAIKIN TECHNICAL MANUAL

DX13 SEER 3-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.

RTD6113009r1
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	A	0 2 4	1	A	A	
Brand									Engineering
D - Daikin									Minor revision
Type									Engineering
X - AC R-410A									Major revision
Z - HP R-410A									
SEER									Voltage
11 - 11 EER	16 - 16 SEER								1 - 208/230 V single phase 60 Hz
13 - 13 SEER	18 - 18 SEER								2 - 220/240 V single phase 50 Hz
14 - 14 SEER	20 - 20 SEER								3 - 208/230 V three phase 60 Hz
									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									048 - 4.0-ton
R - three stage									030 - 2.5-ton
									060 - 5.0-ton
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.

DX13SA0363A*

DX13SA0483A*

DX13SA0484A*

DX13SA0604A*

DX13SA0603A*

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



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.



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.



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

DX13 models are available in 3, 4 and 5 ton sizes and use R-410A refrigerant. They are designed for 208/230 and 460 volt 3-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. DX 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.

DX 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

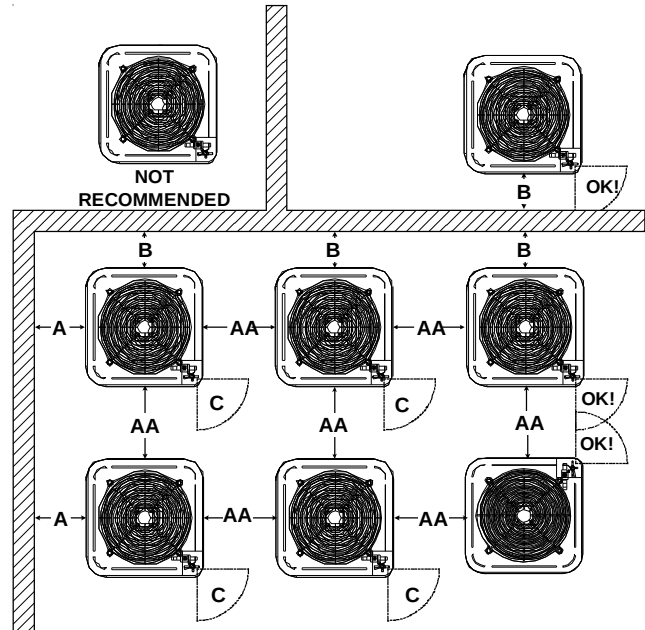
To avoid possible injury, explosion or death, practice safe handling of refrigerants.

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:

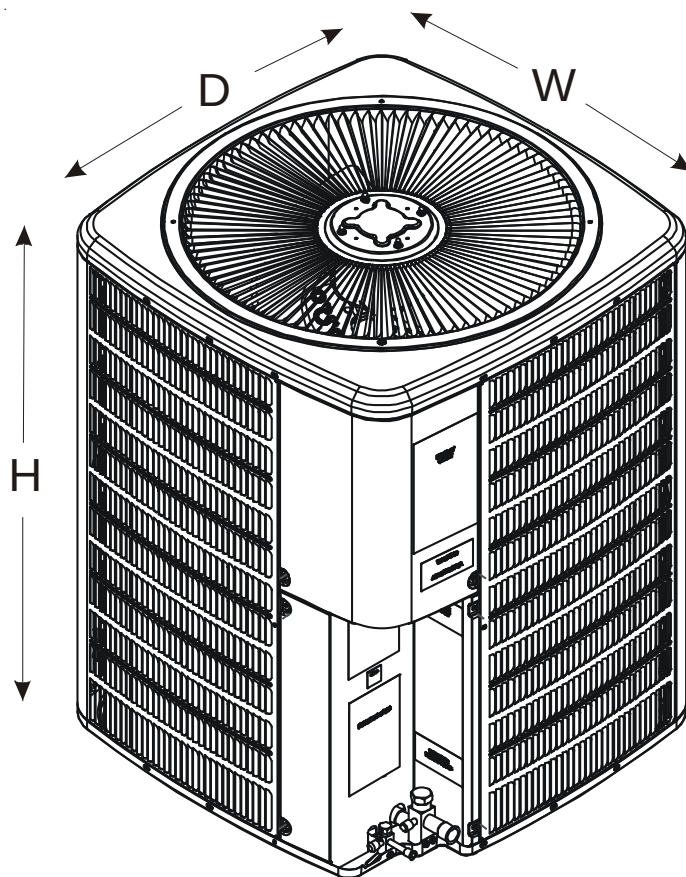
- Directly under a vent termination for a gas appliance.
- Within 3 feet of a clothes dryer vent.
- Where the refreezing of defrost water would create a hazard.
- Where water may rise into the unit.



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
DX13SA0363A*	29" x 29" x 28 ³ / ₄ "
DX13SA0483A* DX13SA0484A*	29" x 29" x 36 ¹ / ₄ "
DX13SA0603A* DX13SA0604A*	35 ¹ / ₂ " x 35 ¹ / ₂ " x 38 ¹ / ₄ "

CONDENSING UNIT SPECIFICATIONS

DX13SA0[36-60][3,4]* *

	DX13SA0363A*	DX13SA0483A*	DX13SA0484A*
Cooling Capacity, BTUH	36,000	48,000	48,000
Decibels	74	76	76
Compressor			
R.L. Amps	10.40	13.1	6.1
L.R. Amps	73.0	83.1	41.0
Type	Scroll	Scroll	Scroll
Condenser Fan Motor			
Horsepower	1/6	1/4	1/4
F.L. Amps	1.10	1.50	0.80
Refrigerant System			
Liquid Line, Inches O.D.*	3/8"	3/8"	3/8"
Suction Line, Inches O.D.*	7/8"	1 1/8"	1 1/8"
Liquid Valve Connection, Inches O.D.*	3/8"	3/8"	3/8"
Suction Valve Connection, Inches O.D.* ³	3/4" ³	7/8" ⁴	7/8" ⁴
Refrigerant Charge	68 **	97 **	97 **
Piston Size	0.068	0.080	0.080
Power Supply	208/230-60-3	208/230-60-3	460-60-3
Minimum Circuit Ampacity ⁽¹⁾	14.1	17.9	8.4
Maximum Overcurrent Device ⁽²⁾	20	30	15
Min / Max Volts	197 / 253	197 / 253	414 / 506
Electrical Conduit Size			
Power Supply (Inches)	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4
Approximate Shipping Weight	196	190	189

	DX13SA0603A*	DX13SA0604A*
Cooling Capacity, BTUH	60,000	60,000
Decibels	77	77
Compressor		
R.L. Amps	16.00	7.8
L.R. Amps	110.0	52.0
Type	Scroll	Scroll
Condenser Fan Motor		
Horsepower	1/4	1/4
F.L. Amps	1.50	0.80
Refrigerant System		
Liquid Line, Inches O.D.*	3/8"	3/8"
Suction Line, Inches O.D.*	1 1/8"	1 1/8"
Liquid Valve Connection, Inches O.D.*	3/8"	3/8"
Suction Valve Connection, Inches O.D.* ³	7/8" ⁴	7/8" ⁴
Refrigerant Charge	111 **	111 **
Piston Size	0.086	0.086
Power Supply	208/230-60-3	460-60-3
Minimum Circuit Ampacity ⁽¹⁾	21.5	10.6
Maximum Overcurrent Device ⁽²⁾	35	15
Min / Max Volts	197 / 253	414/506
Electrical Conduit Size		
Power Supply (Inches)	1/2 or 3/4	1/2 or 3/4
Approximate Shipping Weight	301	301

⁽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.

⁽³⁾ Installer must supply a 3/4" to 7/8" adapter for suction line connections.

⁽⁴⁾ Installer must supply a 7/8" to 1 1/8" adapter for suction line connections.

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 sizes, 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.

DX13SA0363A*

COOLING OPERATION

IDB*		Outdoor Ambient Temperature																																															
		65								75								85								95								105								115							
		65				75				85				95				105				115																											
Airflow		Entering Indoor Wet Bulb Temperature																				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																				
70	1050	MBh	31.1	32.2	35.3	-	30.4	31.5	34.5	-	29.6	30.7	33.7	-	28.9	30.0	32.8	-	27.5	28.5	31.2	-	25.4	26.4	28.9	-	25.4	26.4	28.9	-																			
		S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-																			
		Delta T	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	16	13	-	18	15	12	-	18	15	12	-																			
		KW	242	247	254	-	260	265	273	-	275	281	289	-	288	294	304	-	300	306	316	-	310	316	326	-	310	316	326	-																			
		AMPS	6.1	6.3	6.5	-	6.6	6.7	7.0	-	7.1	7.3	7.5	-	7.6	7.8	8.0	-	8.1	8.3	8.5	-	8.5	8.7	9.0	-	8.5	8.7	9.0	-																			
		HIPR	224	242	255	-	252	271	286	-	286	308	326	-	326	351	371	-	367	395	417	-	406	436	461	-	406	436	461	-																			
		LO PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-	129	137	149	-																			
		MBh	33.7	34.9	38.2	-	32.9	34.1	37.4	-	32.1	33.3	36.5	-	31.3	32.5	35.6	-	29.8	30.8	33.8	-	27.6	28.6	31.3	-	27.6	28.6	31.3	-																			
		S/T	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-	0.83	0.69	0.48	-																			
		Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	17	15	11	-																			
75	1200	KW	248	253	260	-	266	271	279	-	281	287	296	-	295	302	311	-	307	314	324	-	317	324	334	-	317	324	334	-																			
		AMPS	6.3	6.4	6.6	-	6.8	6.9	7.1	-	7.3	7.5	7.7	-	7.8	8.0	8.3	-	8.3	8.5	8.8	-	8.8	9.0	9.3	-	8.8	9.0	9.3	-																			
		HIPR	231	249	263	-	260	279	295	-	295	318	336	-	336	362	382	-	378	407	430	-	418	450	475	-	418	450	475	-																			
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-	133	141	154	-																			
		MBh	34.7	36.0	39.4	-	33.9	35.1	38.5	-	33.1	34.3	37.6	-	32.3	33.4	36.6	-	30.7	31.8	34.8	-	28.4	29.4	32.2	-	28.4	29.4	32.2	-																			
		S/T	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.87	0.73	0.50	-	0.87	0.73	0.50	-																			
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-																			
		KW	250	255	262	-	268	273	281	-	284	290	298	-	298	304	313	-	310	316	326	-	320	327	337	-	320	327	337	-																			
		AMPS	6.3	6.5	6.7	-	6.8	7.0	7.2	-	7.4	7.6	7.8	-	7.9	8.1	8.3	-	8.4	8.6	8.9	-	8.9	9.1	9.4	-	8.9	9.1	9.4	-																			
		HIPR	234	252	266	-	262	282	298	-	298	321	339	-	340	366	386	-	382	411	434	-	422	454	480	-	422	454	480	-																			
LO PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-	134	143	156	-																					
1050	MBh	31.6	32.5	35.2	37.8	30.9	31.8	34.4	36.9	30.1	31.0	33.6	36.1	29.4	30.3	32.8	35.2	27.9	28.8	31.1	33.4	25.9	26.6	28.8	31.0	25.9	26.6	28.8	31.0																				
	S/T	0.79	0.71	0.54	0.34	0.82	0.73	0.55	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	0.61	0.40	0.91	0.81	0.61	0.40																				
	Delta T	22	20	17	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	11	21	19	16	11	21	19	16	11																				
	KW	244	249	256	264	262	267	275	283	277	283	291	301	291	297	306	316	302	309	318	329	312	319	329	340	312	319	329	340																				
	AMPS	6.2	6.3	6.5	6.7	6.6	6.8	7.0	7.3	7.2	7.4	7.6	7.9	7.7	7.9	8.1	8.4	8.2	8.3	8.6	8.9	8.6	8.8	9.1	9.5	8.6	8.8	9.1	9.5																				
	HIPR	227	244	258	269	254	274	289	302	289	311	329	343	330	355	375	391	371	399	421	439	410	441	466	486	410	441	466	486																				
	LO PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161	130	138	151	161																				
	MBh	34.2	35.3	38.2	41.0	33.5	34.4	37.3	40.0	32.7	33.6	36.4	39.1	31.9	32.8	35.5	38.1	30.3	31.2	33.7	36.2	28.0	28.9	31.2	33.5	28.0	28.9	31.2	33.5																				
	S/T	0.82	0.73	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.41	0.94	0.84	0.64	0.41	0.94	0.84	0.64	0.41																				
	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	20	19	15	11																				
1200	KW	250	255	262	270	268	273	282	290	284	290	298	308	298	304	313	323	310	316	326	337	320	327	337	348	320	327	337	348																				
	AMPS	6.3	6.5	6.7	6.9	6.8	7.0	7.2	7.5	7.4	7.6	7.8	8.1	7.9	8.1	8.3	8.6	8.4	8.6	8.9	9.2	8.9	9.1	9.4	9.7	8.9	9.1	9.4	9.7																				
	HIPR	234	252	266	277	262	282	298	311	298	321	339	354	340	366	386	403	382	411	434	453	422	454	480	501	422	454	480	501																				
	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	134	143	156	166																				
	MBh	35.3	36.3	39.3	42.2	34.5	35.5	38.4	41.2	33.6	34.6	37.5	40.2	32.8	33.8	36.6	39.3	31.2	32.1	34.7	37.3	28.9	29.7	32.2	34.5	28.9	29.7	32.2	34.5																				
	S/T	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.91	0.82	0.62	0.40	0.94	0.84	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.88	0.67	0.43	0.99	0.88	0.67	0.43																				
	Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10	19	18	15	10																				
	KW	252	257	264	272	270	275	284	292	286	292	301	310	300	306	316	326	312	319	329	339	323	329	340	351	323	329	340	351																				
	AMPS	6.4	6.5	6.7	7.0	6.9	7.0	7.3	7.5	7.5	7.6	7.9	8.2	8.0	8.1	8.4	8.7	8.5	8.7	8.9	9.3	8.9	9.2	9.5	9.8	8.9	9.2	9.5	9.8																				
	HIPR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	415	439	458	427	459	485	506	427	459	485	506																				
LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	135	144	157	167																					

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

COOLING PERFORMANCE DATA

DX13SA0363A*

MODEL: DX13SA0363 A* / CA*F3636*6C* EXPANDED PERFORMANCE DATA COOLING OPERATION

IDB* Airflow		Outdoor Ambient Temperature												105												115																			
		65						75						85						95						105						115													
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71												
80	1050	MBh	32.2	32.9	35.1	37.5	31.4	32.1	34.3	36.7	30.7	31.3	33.5	35.8	29.9	30.6	32.7	34.9	28.4	29.1	31.0	33.2	26.3	26.9	28.8	30.7	24.2	24.8	26.7	28.6	22.5	23.1	25.0	26.9	20.8	21.4	23.3	25.2	19.1	19.7	21.6	23.5	17.4	18.0	
		S/T	0.87	0.81	0.66	0.49	0.90	0.84	0.69	0.51	0.92	0.86	0.70	0.53	0.95	0.89	0.73	0.54	0.99	0.93	0.75	0.56	1.00	0.93	0.76	0.57	0.97	0.91	0.74	0.57	0.99	0.93	0.75	0.56	1.00	0.93	0.76	0.57	0.97	0.91	0.74	0.57	0.97	0.91	
		Delta T	24	23	20	16	25	24	21	16	25	24	21	16	25	24	21	17	25	24	20	16	23	22	19	15	22	21	18	16	23	22	19	15	22	21	18	16	23	22	19	15	22	21	
		KW	2.46	2.51	2.58	2.66	2.64	2.69	2.77	2.86	2.79	2.85	2.94	3.03	2.93	2.99	3.08	3.18	3.05	3.11	3.21	3.31	3.15	3.21	3.32	3.42	3.25	3.31	3.41	3.31	3.15	3.21	3.31	3.15	3.21	3.32	3.42	3.25	3.31	3.41	3.31	3.15	3.21	3.32	3.42
		AMPS	6.2	6.4	6.6	6.8	6.7	6.9	7.1	7.3	7.3	7.4	7.7	8.0	7.7	7.9	8.2	8.5	8.2	8.4	8.7	9.0	8.7	8.9	9.2	9.5	8.9	9.1	9.4	9.2	8.9	9.1	9.4	9.2	8.9	9.1	9.4	9.2	8.9	9.1	9.4	9.2	8.9	9.1	
		HIPR	229	246	260	271	257	277	292	305	292	315	332	346	333	358	378	395	375	403	426	444	414	445	470	490	459	485	506	475	495	464	484	453	473	442	462	431	464	490	511	480	500		
		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	145	154	163	171	159	169	157	167	155	165	153	163	151	161	149	159	147	157	
		MBh	34.9	35.6	38.1	40.7	34.0	34.8	37.2	39.7	33.2	34.0	36.3	38.8	32.4	33.1	35.4	37.8	30.8	31.5	33.6	36.0	28.5	29.2	31.2	33.3	24.2	24.8	26.7	28.6	22.5	23.1	25.0	26.9	20.8	21.4	23.3	25.2	19.1	19.7	21.6	23.5	17.4	18.0	
		S/T	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.75	0.56	1.00	0.93	0.75	0.56	1.00	0.93	0.76	0.57	0.97	0.91	0.74	0.57	0.99	0.93	0.75	0.56	1.00	0.93	0.76	0.57	0.97	0.91	0.74	0.57	0.97	0.91	
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	25	23	20	16	24	23	20	16	22	22	19	15	22	21	18	16	23	22	19	15	22	21	18	16	23	22	19	15	22	21	
85	1200	KW	2.52	2.57	2.64	2.72	2.70	2.75	2.84	2.93	2.86	2.92	3.01	3.10	3.00	3.06	3.16	3.26	3.12	3.19	3.29	3.39	3.23	3.29	3.40	3.51	3.34	3.40	3.50	3.40	3.24	3.30	3.40	3.24	3.30	3.40	3.24	3.30	3.40	3.24	3.30	3.40	3.24	3.30	
		AMPS	6.4	6.5	6.7	7.0	6.9	7.0	7.3	7.5	7.5	7.6	7.9	8.2	8.0	8.1	8.4	8.7	8.5	8.7	8.9	9.3	8.9	9.2	9.5	9.8	9.2	9.4	9.7	9.5	9.2	8.9	9.1	9.4	9.2	8.9	9.1	9.4	9.2	8.9	9.1	9.4	9.2	8.9	
		HIPR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	415	439	458	427	459	485	506	475	495	464	484	453	473	442	462	431	464	490	511	480	500	469	489	458	478	
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	150	158	167	175	165	175	163	173	161	171	159	169	157	167	155	165	153	163	
		MBh	35.9	36.7	39.2	41.9	35.1	35.8	38.3	40.9	34.2	35.0	37.4	40.0	33.4	34.1	36.5	39.0	31.7	32.4	34.6	37.0	29.4	30.0	32.1	34.3	25.2	25.8	27.7	29.6	23.5	24.1	26.0	27.9	21.8	22.4	24.3	26.2	20.1	20.7	22.6	24.5	18.4	19.0	
		S/T	0.94	0.88	0.72	0.54	1.00	0.92	0.75	0.56	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.83	0.62	0.97	0.91	0.74	0.57	0.99	0.93	0.75	0.56	1.00	0.93	0.76	0.57	0.97	0.91	0.74	0.57	0.97	0.91	
		Delta T	23	22	19	15	24	22	19	16	23	22	19	16	23	20	16	23	20	16	22	19	15	20	18	14	21	20	17	14	21	19	16	23	22	19	16	23	22	19	16	23	22		
		KW	2.54	2.59	2.66	2.74	2.72	2.77	2.86	2.95	2.88	2.94	3.03	3.13	3.02	3.09	3.19	3.29	3.15	3.21	3.32	3.42	3.25	3.32	3.43	3.54	3.37	3.43	3.53	3.43	3.27	3.33	3.43	3.27	3.33	3.43	3.27	3.33	3.43	3.27	3.33	3.43	3.27	3.33	
		AMPS	6.4	6.6	6.8	7.0	6.9	7.1	7.3	7.6	7.5	7.7	8.0	8.2	8.0	8.2	8.5	8.8	8.5	8.7	9.0	9.4	9.0	9.2	9.5	9.9	9.2	9.4	9.7	9.5	9.2	8.9	9.1	9.4	9.2	8.9	9.1	9.4	9.2	8.9	9.1	9.4	9.2	8.9	
		HIPR	238	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511	480	500	469	489	458	478	447	467	435	468	495	516	484	504	473	493	462	482	
LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169	150	158	167	175	165	175	163	173	161	171	159	169	157	167	155	165	153	163	151	161	
85	1050	MBh	32.7	33.4	34.9	37.3	32.0	32.6	34.1	36.4	31.2	31.8	33.3	35.6	30.5	31.0	32.5	34.7	28.9	29.5	30.9	33.0	26.8	27.3	28.6	30.5	24.2	24.8	26.7	28.6	22.5	23.1	25.0	26.9	20.8	21.4	23.3	25.2	19.1	19.7	21.6	23.5	17.4	18.0	
		S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.97	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74	0.97	0.91	0.74	0.57	0.99	0.93	0.75	0.56	1.00	0.93	0.76	0.57	0.97	0.91	0.74	0.57	0.97	0.91	
		Delta T	26	26	24	21	26	26	25	21	26	26	25	21	27	26	25	21	25	26	24	21	22	23	20	16	23	22	19	15	22	21	18	16	23	22	19	15	22	21	18	16	23	22	
		KW	2.48	2.53	2.60	2.68	2.66	2.71	2.79	2.88	2.81	2.87	2.96	3.05	2.95	3.01	3.11	3.21	3.07	3.14	3.23	3.34	3.17	3.24	3.34	3.45	3.28	3.34	3.44	3.34	3.18	3.24	3.34	3.18	3.24	3.34	3.18	3.24	3.34	3.18	3.24	3.34	3.18	3.24	
		AMPS	6.3	6.4	6.6	6.9	6.8	6.9	7.1	7.4	7.3	7.5	7.7	8.0	7.8	8.0	8.3	8.6	8.3	8.5	8.8	9.1	8.8	9.0	9.3	9.6	9.0	9.2	9.5	9.2	8.9	9.1	9.4	9.2	8.9	9.1	9.4	9.2	8.9	9.1	9.4	9.2	8.9		
		HIPR	231	249	263	274	260	279	295	308	295	318	335	350	336	362	382	399	378	407	430	448	418	450	475	495	464	484	453	473	442	462	431	464	490	511	480	500	469	489	458	478	447	467	
		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	147	155	164	172	162	172	160	170	158	168	156	166	154	164	152	162	140	150	
		MBh	35.5	36.2	37.9	40.4	34.6	35.3	37.0	39.5	33.8	34.5	36.1	38.5	33.0	33.6	35.2	37.6	31.3	31.9	33.5	35.7	29.0	29.6	31.0	33.1	25.2	25.8	27.7	29.6	23.5	24.1	26.0	27.9	21.8	22.4	24.3	26.2	20.1	20.7	22.6	24.5	18.4	19.0	
		S/T	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76	0.97	0.91	0.74	0.57	0.99	0.93	0.75	0.56	1.00	0.93	0.76	0.57							

COOLING PERFORMANCE DATA

DX13SA0483A*

MODEL: DX13SA0483A* / CA*F4860*6B* EXPANDED PERFORMANCE DATA COOLING OPERATION

IDB* Air flow		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	59	63	67	71																
1400	MBh	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	-	33.1	34.3	37.5	-																
	S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-	0.81	0.68	0.47	-	0.81	0.68	0.47	-																
	Delta T	19	16	12	-	19	16	12	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-	18	15	12	-	18	15	12	-																
	KW	3.15	3.21	3.30	-	3.37	3.43	3.53	-	3.56	3.63	3.73	-	3.72	3.80	3.91	-	3.87	3.95	4.07	-	3.99	4.07	4.20	-	3.99	4.07	4.20	-	3.99	4.07	4.20	-																
	AMPS	6.9	7.0	7.2	-	7.4	7.5	7.7	-	7.9	8.1	8.3	-	8.4	8.6	8.8	-	8.9	9.1	9.4	-	9.4	9.6	9.9	-	9.4	9.6	9.9	-	9.4	9.6	9.9	-																
1600	HI PR	219	235	249	-	245	264	279	-	279	300	317	-	318	342	361	-	358	385	406	-	395	425	449	-	395	425	449	-	395	425	449	-																
	LO PR	104	111	121	-	110	117	128	-	115	122	133	-	120	128	140	-	126	134	146	-	130	139	151	-	130	139	151	-	130	139	151	-																
	MBh	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	-	35.8	37.1	40.7	-																
	S/T	0.73	0.61	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.48	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-	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	-	17	15	11	-																
1800	KW	3.22	3.28	3.37	-	3.44	3.51	3.61	-	3.64	3.71	3.82	-	3.81	3.89	4.01	-	3.96	4.04	4.16	-	4.09	4.17	4.30	-	4.09	4.17	4.30	-	4.09	4.17	4.30	-																
	AMPS	7.0	7.2	7.4	-	7.5	7.7	7.9	-	8.1	8.3	8.5	-	8.6	8.8	9.1	-	9.1	9.3	9.6	-	9.6	9.8	10.1	-	9.6	9.8	10.1	-	9.6	9.8	10.1	-																
	HI PR	225	243	256	-	253	272	287	-	288	310	327	-	328	353	372	-	369	397	419	-	407	438	463	-	407	438	463	-	407	438	463	-																
	LO PR	108	114	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	138	151	-	134	143	156	-	134	143	156	-	134	143	156	-																
	MBh	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	-	36.9	38.2	41.9	-																
1800	S/T	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.88	0.74	0.51	-	0.88	0.74	0.51	-	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	-	17	14	11	-																
	KW	3.24	3.30	3.40	-	3.47	3.53	3.64	-	3.67	3.74	3.85	-	3.84	3.92	4.04	-	3.99	4.07	4.20	-	4.12	4.20	4.33	-	4.12	4.20	4.33	-	4.12	4.20	4.33	-																
	AMPS	7.1	7.2	7.5	-	7.6	7.8	8.0	-	8.2	8.4	8.6	-	8.7	8.9	9.1	-	9.2	9.4	9.7	-	9.7	9.9	10.2	-	9.7	9.9	10.2	-	9.7	9.9	10.2	-																
	HI PR	228	245	259	-	256	275	290	-	291	313	330	-	331	356	376	-	372	401	423	-	411	443	468	-	411	443	468	-	411	443	468	-																
1800	LO PR	109	116	126	-	115	122	133	-	119	127	139	-	125	133	146	-	131	140	152	-	136	144	158	-	136	144	158	-	136	144	158	-																

DX13SA0483A*

COOLING OPERATION

AMP S=outdoor unit amps (comp.+fan)
KW=Total system power

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

KW=Total system power

COOLING PERFORMANCE DATA

DX13SA0484A*

MODEL: DX13SA0484 A * / CA*F4860*6B*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

IDB*		Airflow	Outdoor Ambient Temperature																																			
			65						75						85						95						105						115					
			Entering			Indoor Wet Bulb Temperature			Entering			Indoor Wet Bulb Temperature			Entering			Indoor Wet Bulb Temperature			Entering			Indoor Wet Bulb Temperature			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	59	63	67	71							
70	1400	MBh	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	-	33.1	34.3	37.5	-				
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-	0.81	0.68	0.47	-	0.81	0.68	0.47	-				
		Delta T	19	16	12	-	19	16	12	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-	18	15	12	-	18	15	12	-				
		KW	3.15	3.21	3.30	-	3.36	3.43	3.53	-	3.56	3.63	3.73	-	3.72	3.80	3.91	-	3.87	3.95	4.07	-	3.99	4.07	4.20	-	3.99	4.07	4.20	-	3.99	4.07	4.20	-				
		AMPS	3.7	3.8	3.9	-	4.0	4.1	4.2	-	4.3	4.4	4.5	-	4.6	4.7	4.8	-	4.8	4.9	5.1	-	5.1	5.2	5.4	-	5.1	5.2	5.4	-	5.1	5.2	5.4	-				
	1600	HI PR	219	235	249	-	245	264	279	-	279	300	317	-	318	342	361	-	358	385	406	-	395	425	449	-	395	425	449	-	395	425	449	-				
		LO PR	104	111	121	-	110	117	128	-	115	122	133	-	120	128	140	-	126	134	146	-	130	139	151	-	130	139	151	-	130	139	151	-				
		MBh	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	-	35.8	37.1	40.7	-				
		S/T	0.73	0.61	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.48	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-	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	-	17	15	11	-				
1800	KW	3.22	3.28	3.37	-	3.44	3.51	3.61	-	3.64	3.71	3.82	-	3.81	3.89	4.01	-	3.96	4.04	4.16	-	4.09	4.17	4.30	-	4.09	4.17	4.30	-	4.09	4.17	4.30	-					
	AMPS	3.8	3.9	4.0	-	4.1	4.2	4.3	-	4.4	4.5	4.6	-	4.7	4.8	4.9	-	4.9	5.1	5.2	-	5.2	5.3	5.5	-	5.2	5.3	5.5	-	5.2	5.3	5.5	-					
	HI PR	225	243	256	-	253	272	287	-	288	310	327	-	328	353	372	-	369	397	419	-	407	438	463	-	407	438	463	-	407	438	463	-					
	LO PR	108	114	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	138	151	-	134	143	156	-	134	143	156	-	134	143	156	-					
	MBh	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	-	36.9	38.2	41.9	-					
75	1400	S/T	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.88	0.74	0.51	-	0.88	0.74	0.51	-	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	-	17	14	11	-				
		KW	3.24	3.30	3.40	-	3.47	3.53	3.64	-	3.66	3.74	3.85	-	3.84	3.92	4.04	-	3.99	4.07	4.20	-	4.12	4.20	4.33	-	4.12	4.20	4.33	-	4.12	4.20	4.33	-				
		AMPS	3.9	3.9	4.0	-	4.1	4.2	4.3	-	4.4	4.5	4.7	-	4.7	4.8	5.0	-	5.0	5.1	5.3	-	5.3	5.4	5.5	-	5.3	5.4	5.5	-	5.3	5.4	5.5	-				
		HI PR	228	245	259	-	256	275	290	-	291	313	330	-	331	356	376	-	372	401	423	-	411	443	468	-	411	443	468	-	411	443	468	-				
	1600	LO PR	109	116	126	-	115	122	133	-	119	127	139	-	125	133	146	-	131	140	152	-	136	144	158	-	136	144	158	-	136	144	158	-				
		MBh	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	33.6	34.6	37.5	40.2	33.6	34.6	37.5	40.2				
		S/T	0.81	0.72	0.55	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.92	0.82	0.62	0.40	0.92	0.83	0.63	0.40	0.92	0.83	0.63	0.40	0.92	0.83	0.63	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	20	19	15	11	20	19	15	11				
		KW	3.17	3.23	3.32	3.42	3.39	3.46	3.56	3.66	3.58	3.65	3.76	3.88	3.75	3.83	3.94	4.06	3.90	3.98	4.10	4.23	4.02	4.11	4.23	4.36	4.02	4.11	4.23	4.36	4.02	4.11	4.23	4.36				
1800	AMPS	3.8	3.8	3.9	4.1	4.0	4.1	4.2	4.4	4.3	4.4	4.6	4.7	4.6	4.7	4.8	5.0	4.9	5.0	5.1	5.3	5.1	5.2	5.4	5.6	5.1	5.2	5.4	5.6	5.1	5.2	5.4	5.6					
	HI PR	221	238	251	262	248	267	282	294	282	303	320	334	321	346	365	381	361	389	411	428	399	430	454	473	399	430	454	473	399	430	454	473					
	LO PR	105	112	122	130	111	118	129	138	116	123	134	143	122	129	141	150	127	136	148	158	132	140	153	163	132	140	153	163	132	140	153	163					
	MBh	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	36.4	37.5	40.6	43.6	36.4	37.5	40.6	43.6					
	S/T	0.84	0.75	0.57	0.36	0.87	0.77	0.59	0.38	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42	0.96	0.86	0.65	0.42	0.96	0.86	0.65	0.42					
75	1400	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	20	18	15	10	20	18	15	10				
		KW	3.24	3.30	3.40	3.50	3.47	3.53	3.64	3.75	3.67	3.74	3.85	3.97	3.84	3.92	4.04	4.16	3.99	4.07	4.20	4.33	4.12	4.20	4.33	4.47	4.12	4.20	4.33	4.47	4.12	4.20	4.33	4.47				
		AMPS	3.9	3.9	4.0	4.2	4.1	4.2	4.3	4.5	4.4	4.5	4.7	4.8	4.7	4.8	5.0	5.1	5.0	5.1	5.3	5.4	5.3	5.4	5.5	5.7	5.3	5.4	5.5	5.7	5.3	5.4	5.5	5.7				
		HI PR	228	245	259	270	256	275	290	303	291	313	330	345	331	356	376	392	372	401	423	441	412	443	468	488	412	443	468	488	412	443	468	488				
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	153	162	136	145	158	168	136	145	158	168	136	145	158	168				
	1600	MBh	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	37.5	38.6	41.8	44.9	37.5	38.6	41.8	44.9				
		S/T	0.88	0.78	0.59	0.38	0.91	0.81	0.61	0.40	0.93	0.83	0.63	0.41	0.96	0.86	0.65	0.42	1.00	0.89	0.67	0.43	1.00	0.90	0.68	0.44	1.00	0.90	0.68	0.44	1.00	0.90	0.68	0.44				
		Delta T	21	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10	19	18	15	10	19	18	15	10				
		KW	3.26	3.33	3.42	3.52	3.49	3.56	3.66	3.77	3.69	3.77	3.88	4.00	3.87	3.95	4.07	4.19	4.02	4.10	4.23	4.36	4.15	4.24	4.37	4.51	4.15	4.24	4.37	4.51	4.15	4.24	4.37	4.51				
		AMPS	3.9	4.0	4.1	4.2	4.2	4.2	4.4	4.5	4.5	4.6	4.7	4.9	4.8	4.9	5.0	5.2	5.0	5.1	5.3	5.5	5.3	5.4	5.6	5.8	5.3	5.4	5.6	5.8	5.3	5.4	5.6	5.8				
1800	HI PR	230	248	261	273	258	278	293	306	294	316	334	348	334	360	380	396	376	405	427	446	416	447	472	493	416	447	472	493	416	447	472	493					
	LO PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	157	133	141	1																		

COOLING PERFORMANCE DATA

DX13SA0603A*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DX13SA0603/CA*F4961*6D*+EEP

		Outdoor Ambient Temperature												105												115											
		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				
	MBH	538	557	610	-	525	544	596	-	513	531	582	-	500	518	568	-	475	492	539	-	440	456	500	-	440	456	500	-	440	456	500	-				
	S/T	0.66	0.55	0.38	-	0.68	0.57	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.75	0.63	0.44	-	0.75	0.63	0.44	-	0.75	0.63	0.44	-				
	Delta T	22	19	14	-	22	19	14	-	22	19	14	-	22	19	14	-	22	19	14	-	20	18	13	-	20	18	13	-	20	18	13	-				
	System 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	-	5.16	5.28	5.45	-	5.16	5.28	5.45	-				
	OD 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	-	22.0	22.5	23.3	-	22.0	22.5	23.3	-				
	HIPR	228	245	259	-	256	275	291	-	291	313	331	-	331	357	377	-	373	401	424	-	412	443	468	-	412	443	468	-	412	443	468	-				
	LO PR	98	104	114	-	103	110	120	-	107	114	125	-	113	120	131	-	118	126	137	-	122	130	142	-	122	130	142	-	122	130	142	-				
70	MBH	554	574	629	-	541	561	614	-	528	547	599	-	515	534	585	-	489	507	556	-	453	470	515	-	453	470	515	-	453	470	515	-				
	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	-	0.79	0.66	0.46	-	0.79	0.66	0.46	-				
	Delta T	20	17	13	-	20	18	13	-	20	18	13	-	20	18	13	-	20	17	13	-	19	16	12	-	19	16	12	-	19	16	12	-				
	System 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	-	5.20	5.32	5.50	-	5.20	5.32	5.50	-				
	OD 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	-	22.2	22.7	23.5	-	22.2	22.7	23.5	-				
	HIPR	230	248	262	-	258	278	294	-	294	316	334	-	335	360	380	-	377	405	428	-	416	448	473	-	416	448	473	-	416	448	473	-				
	LO PR	99	105	115	-	104	111	121	-	108	115	126	-	114	121	132	-	119	127	139	-	124	131	143	-	124	131	143	-	124	131	143	-				
	MBH	556	577	632	-	543	563	617	-	530	550	602	-	518	536	588	-	492	510	558	-	455	472	517	-	455	472	517	-	455	472	517	-				
	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	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-				
	Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-	17	15	11	-				
	System 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	-	5.25	5.37	5.55	-	5.25	5.37	5.55	-				
	OD 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	-	22.4	22.9	23.7	-	22.4	22.9	23.7	-				
	HIPR	233	250	264	-	261	281	297	-	297	319	337	-	338	364	384	-	380	409	432	-	420	452	477	-	420	452	477	-	420	452	477	-				
	LO PR	100	106	116	-	105	112	122	-	110	117	127	-	115	122	134	-	121	128	140	-	125	133	145	-	125	133	145	-	125	133	145	-				
	MBH	547	563	609	654	534	550	595	639	521	537	581	623	509	524	567	608	483	497	538	578	447	461	499	535	447	461	499	535	447	461	499	535				
	S/T	0.75	0.67	0.50	0.32	0.77	0.69	0.52	0.34	0.79	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.86	0.77	0.58	0.37	0.86	0.77	0.58	0.37	0.86	0.77	0.58	0.37				
	Delta T	25	23	19	13	25	23	19	13	25	23	19	13	26	23	19	13	25	23	19	13	23	22	18	12	23	22	18	12	23	22	18	12				
	System 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	5.20	5.32	5.50	5.69	5.20	5.32	5.50	5.69				
	OD 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	22.2	22.7	23.5	24.4	22.2	22.7	23.5	24.4				
	HIPR	230	248	262	273	258	278	294	306	294	316	334	348	335	360	380	397	377	405	428	446	416	448	473	493	416	448	473	493	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	124	131	143	153	124	131	143	153				
	MBH	563	580	627	673	550	566	613	658	537	553	598	642	524	539	584	626	498	512	555	595	461	475	514	551	461	475	514	551	461	475	514	551				
	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	0.90	0.80	0.61	0.39	0.90	0.80	0.61	0.39				
	Delta T	23	21	17	12	23	22	18	12	23	22	18	12	24	22	18	12	23	21	18	12	22	20	16	11	22	20	16	11	22	20	16	11				
	System 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	5.25	5.37	5.55	5.74	5.25	5.37	5.55	5.74				
	OD 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	22.4	22.9	23.7	24.7				
	HIPR	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	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	125	133	145	154				
75	MBH	566	583	631	677	553	569	616	661	539	555	601	645	526	542	587	630	500	515	557	598	463	477	516	554	463	477	516	554	463	477	516	554				
	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	0.91	0.81	0.62	0.40	0.91	0.81	0.62	0.40				
	Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10	19	18	15	10	19	18	15	10				
	System 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	5.29	5.41	5.59	5.78	5.29	5.41	5.59	5.78				
	OD 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	22.6	23.2	24.0	24.9	22.6	23.2	24.0	24.9				
	HIPR	235	253	267	278	264	284	300	312	300	323	341	355	341	367	388	405	384	413	437	455	424	457	482	503	424	457	482	503	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	149	126	134	146	156												

COOLING PERFORMANCE DATA

DX13SA0603A*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DX13SA0603(CA*F4961*6D**EEP

			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					
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					
		Delta T	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					
		System 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					
		OD 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					
		Delta T	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	23	20	16				
2000	1750	System 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					
		OD 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					
		Delta T	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					
		System 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					
		OD 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							

COOLING PERFORMANCE DATA

DX13SA0604A*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DX13SA0604/CA*F4961*6D**EEP

IDB*	Airflow	Outdoor Ambient Temperature												115											
		65						75						85						105					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	MBH	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	-
	Delta T	22	19	14	-	22	19	14	-	22	19	14	-	22	19	14	-	22	19	14	-	20	18	13	-
	System 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	-
	OD 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	22.8	24.5	25.9	-	25.6	27.5	29.1	-	29.1	31.3	33.1	-	33.1	35.7	37.7	-	37.3	40.1	42.4	-	41.2	44.3	46.8	-
	LO PR	98	104	114	-	103	110	120	-	107	114	125	-	113	120	131	-	118	126	137	-	122	130	142	-
	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	-
	Delta T	20	17	13	-	20	18	13	-	20	18	13	-	20	18	13	-	20	17	13	-	19	16	12	-
1750	System 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	-
	OD 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	23.0	24.8	26.2	-	25.8	27.8	29.4	-	29.4	31.6	33.4	-	33.5	36.0	38.0	-	37.7	40.5	42.8	-	41.6	44.8	47.3	-
	LO PR	99	105	115	-	104	111	121	-	108	115	126	-	114	121	132	-	119	127	139	-	124	131	143	-
	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	-
	Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	System 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	-
	OD amps	15.7	16.1	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	23.3	25.0	26.4	-	26.1	28.1	29.7	-	29.7	32.0	33.7	-	33.8	36.4	38.4	-	38.0	40.9	43.2	-	42.0	45.2	47.8	-
75	LO PR	100	106	116	-	105	112	122	-	110	117	127	-	115	122	134	-	121	128	140	-	125	133	145	-
	MBH	56.3	58.0	62.7	-	55.0	56.6	61.3	-	53.7	55.3	59.8	-	52.4	53.9	58.4	-	49.8	51.2	55.5	-	46.1	47.5	51.4	-
	S/T	0.78	0.70	0.53	-	0.81	0.72	0.55	-	0.83	0.74	0.56	-	0.86	0.77	0.58	-	0.89	0.80	0.60	-	0.90	0.80	0.61	-
	Delta T	23	21	17	-	23	22	18	-	23	22	18	-	24	22	18	-	23	21	18	-	22	20	16	-
	System KW	4.03	4.12	4.25	-	4.34	4.44	4.58	-	4.62	4.72	4.88	-	4.86	4.97	5.14	-	5.07	5.18	5.36	-	5.25	5.37	5.55	-
	OD amps	15.7	16.1	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	23.3	25.0	26.4	-	26.1	28.1	29.7	-	29.7	32.0	33.7	-	33.8	36.4	38.4	-	38.0	40.9	43.2	-	42.0	45.2	47.8	-
	LO PR	100	106	116	-	105	112	122	-	110	117	127	-	115	122	134	-	121	128	140	-	125	133	145	-
	MBH	56.6	58.3	63.1	-	55.3	56.9	61.6	-	53.9	55.5	60.1	-	52.6	54.2	58.7	-	50.0	51.5	55.7	-	46.3	47.7	51.6	-
	S/T	0.79	0.71	0.54	-	0.82	0.73	0.56	-	0.84	0.75	0.57	-	0.87	0.78	0.59	-	0.90	0.81	0.61	-	0.91	0.81	0.62	-
	Delta T	21	19	16	-	21	19	16	-	21	19	16	-	21	19	16	-	21	19	16	-	19	18	15	-
2000	System KW	4.06	4.15	4.28	-	4.38	4.48	4.62	-	4.66	4.76	4.92	-	4.90	5.01	5.18	-	5.11	5.23	5.40	-	5.29	5.41	5.59	-
	OD amps	15.8	16.2	16.7	-	17.1	17.6	18.1	-	18.7	19.1	19.8	-	20.0	20.5	21.2	-	21.3	21.8	22.6	-	22.6	23.2	24.0	-
	HI PR	23.5	25.3	26.7	-	26.4	28.4	30.0	-	30.0	32.3	34.1	-	35.5	38.0	40.5	-	38.4	41.3	43.7	-	42.4	45.7	48.2	-
	LO PR	101	107	117	-	106	113	124	-	111	118	129	-	137	144	151	-	122	130	141	-	126	134	146	-
	MBH	56.9	58.6	63.4	-	55.6	57.2	61.9	-	54.3	55.9	60.6	-	53.0	54.6	59.3	-	50.3	51.9	56.6	-	47.5	49.1	53.8	-
	S/T	0.79	0.71	0.54	-	0.82	0.73	0.56	-	0.84	0.75	0.57	-	0.87	0.78	0.59	-	0.90	0.81	0.61	-	0.91	0.81	0.62	-
	Delta T	21	19	16	-	21	19	16	-	21	19	16	-	21	19	16	-	21	19	16	-	19	18	15	-
	System KW	4.06	4.15	4.28	-	4.38	4.48	4.62	-	4.66	4.76	4.92	-	4.90	5.01	5.18	-	5.11	5.23	5.40	-	5.29	5.41	5.59	-
	OD amps	15.8	16.2	16.7	-	17.1	17.6	18.1	-	18.7	19.1	19.8	-	20.0	20.5	21.2	-	21.3	21.8	22.6	-	22.6	23.2	24.0	-
	HI PR	23.5	25.3	26.7	-	26.4	28.4	30.0	-	30.0	32.3	34.1	-	35.5	38.0	40.5	-	38.4	41.3	43.7	-	42.4	45.7	48.2	-
	LO PR	101	107	117	-	106	113	124	-	111	118	129	-	137	144	151	-	122	130	141	-	126	134	146	-

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

NOTE: Shaded area is ACCA (TVA) conditions

AMPS=outdoor unit amps (comp. + fan)

KW=Total system power

COOLING PERFORMANCE DATA

DX13SA0604A*

EXPANDED PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: DX13SA0604/CA*F4961*6D**EEP

IDB*		Airflow	Outdoor Ambient Temperature																																			
			65						75						85						95						105						115					
			Entering Indoor Wet Bulb Temperature																																			
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												
		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												
		Delta T	28	27	23	19	28	27	24	19	28	27	24	19	28	27	24	19	28	27	23	19	26	25	22	17												
		System 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												
		OD 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	23.3	25.0	26.4	27.6	26.1	28.1	29.7	30.9	29.7	32.0	33.7	35.2	33.8	36.4	38.4	40.1	38.0	40.9	43.2	45.1	42.0	45.2	47.8	49.8												
		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												
		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												
		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												
		Delta T	26	25	22	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	22	17	25	23	20	16												
2000	1750	System 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												
		OD 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												
		HI PR	23.5	25.3	26.7	27.9	26.4	28.4	30.0	31.3	30.0	32.3	34.1	35.5	34.2	36.8	38.8	40.5	38.4	41.4	43.7	45.5	42.5	45.7	48.2	50.3												
		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												
		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												
		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												
		Delta T	23	22	19	15	23	22	19	16	23	22	19	16	23	23	20	16	23	22	19	15	22	21	18	14												
		System 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												
		OD 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												
		HI PR	23.7	25.5	27.0	28.1	26.6	28.7	30.3	31.6	30.3	32.6	34.4	35.9	34.5	37.1	39.2	40.9	38.8	41.8	44.1	46.0	42.9	46.1	48.7	50.8												
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														

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.

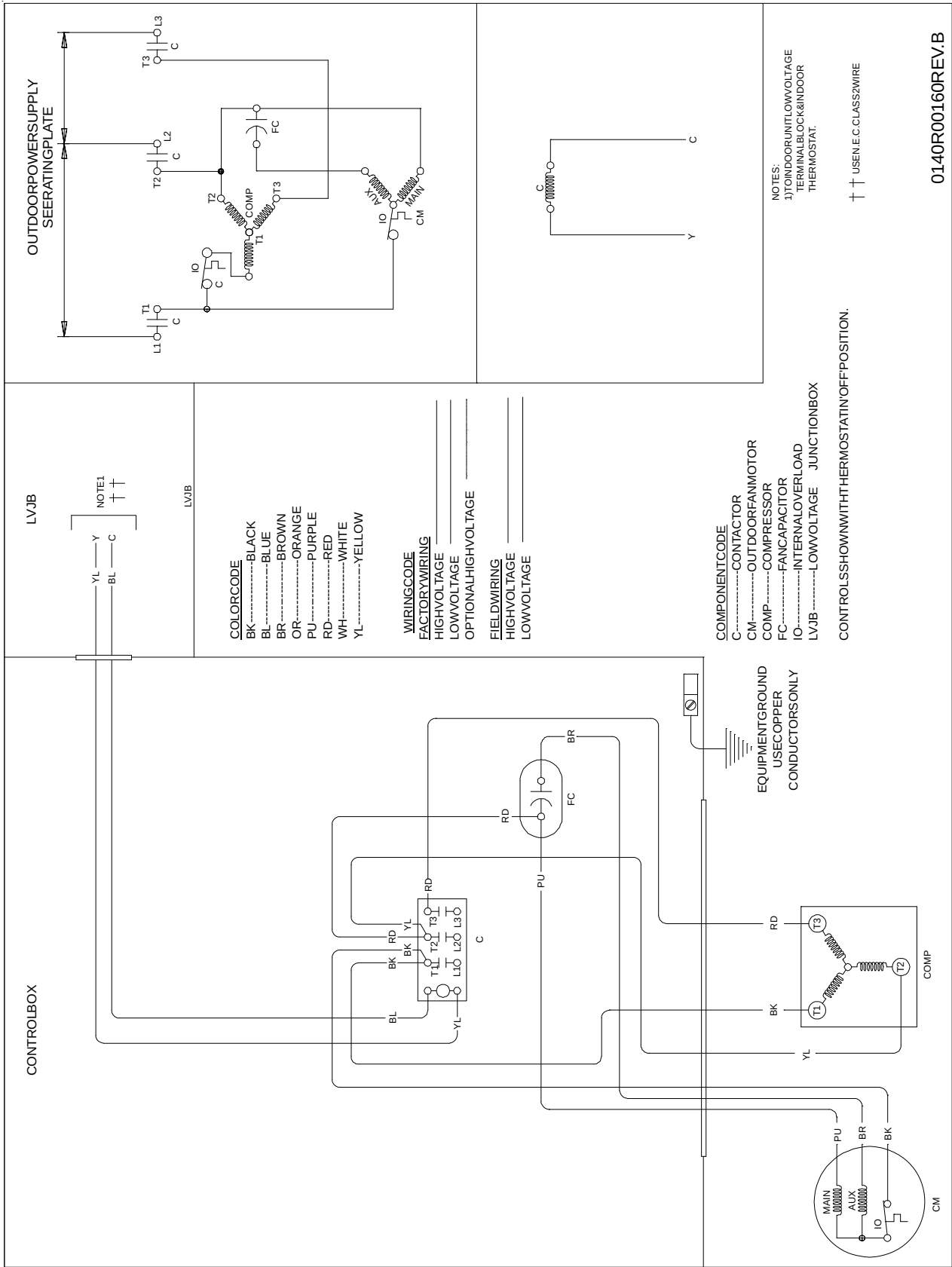
A properly operating unit should be within plus or minus **3 Amps** of the typical value shown.

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

**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.