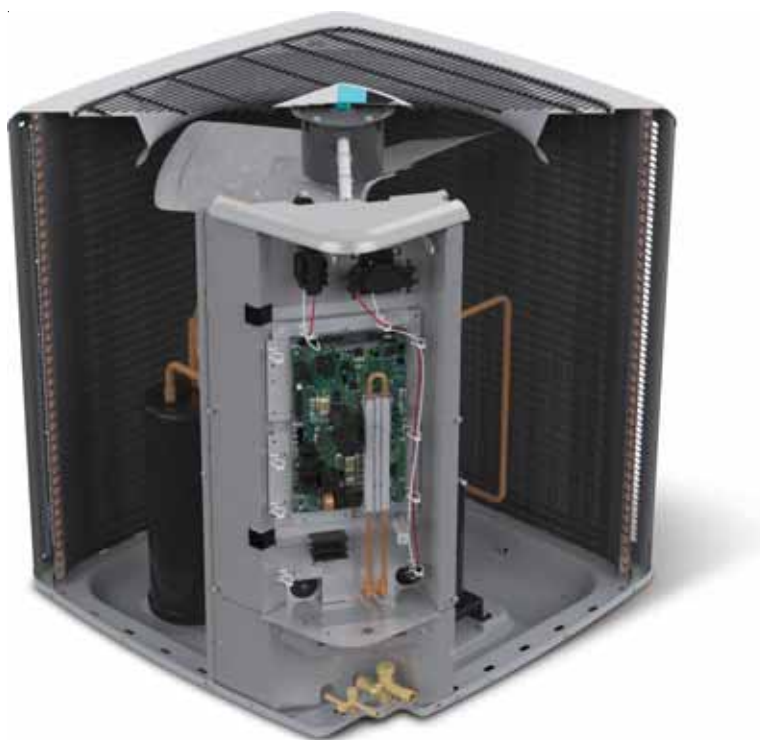


DAIKIN TECHNICAL MANUAL

DX20VC Inverter Condensing Units 2 - 5 Tons

- Refer to Service Manual RSD6115001* 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.
- See models 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.

RTD6115001r1
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	20	V	C	024	1	A	A	
Brand										Engineering
D - Daikin										Minor Revision
Type										Engineering
X - AC R-410A										Major Revision
Z - HP R-410A										
SEER										Voltage
18 - 18 SEER										1 - 208/230 V single phase 60 Hz
20 - 20 SEER										2 - 208/240 V single phase 50 Hz
Compressor										Tonnage Nominal
V - Variable Capacity										024 - 2.0-ton
Feature Set										036 - 3.0-ton
C - ComfortNet 4 wire ready										048 - 4.0-ton
L - ComfortNet Lite										060 - 5.0-ton
D - Delux										
S - Special										

* * 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 the requirements (at a minimum) 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.

DX20VC0241A*

DX20VC0361A*

DX20VC0481A*

DX20VC0601A*

** 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

This air conditioner is part of a system that uses inverter technology to more efficiently remove heat and achieve the target cooling setting. System may ONLY be installed using a ComfortNet™ thermostat with model number CTK04 as part of the digital communicating system. The ComfortNet system reduces the number of required thermostat wires, provides automatic airflow configuration, additional setup features and enhanced active diagnostics. Due to components using inverter technology, the air conditioner will not function properly if used with a CTK03, 02 or 01 ComfortNet thermostat. DX20VC models are available in 2, 3, 4 and 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 or Ball 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. DX20VC 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.

DX20VC models use the Daikin Rotary Series compressors for 2, 3, and 4 Ton models, while the 5 Ton model uses a Daikin Scroll compressor which are specifically designed for R-410A refrigerant.

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.

Daikin scroll compressors use "PVE". "PVE" oil must be used if additional oil is required.

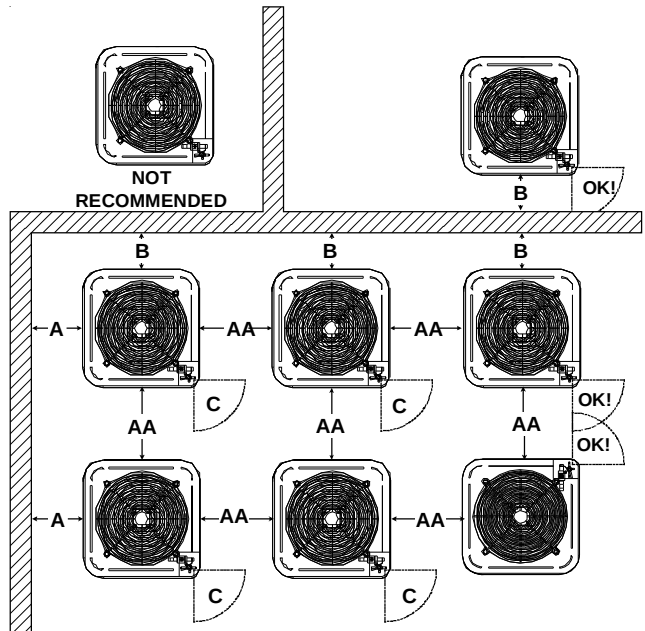
This unit is for outdoor installation only. Refer to figure for minimum clearances from the sides of the unit to full walls and other objects.

NOTE: This unit cannot be completely enclosed. At least one side must be unrestricted.

These clearances will help avoid air recirculation. If installing two or more units at the same location, allow at least 24 inches between units. If only one side is restricted (for example, against the outside wall of a house), the unit may be placed as close as 8" to that one wall.

DO **NOT** locate the unit:

- * Directly under a vent termination for a gas appliance.
- * Within 3 feet of a clothes drier 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"



WARNING

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

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.

CONDENSING UNIT SPECIFICATIONS

DX20VC[024-0601]A*

Dimensions

Model	Dimensions		
	W"	D"	H"
DX20VC0241A*	35 1/2	35 1/2	38 1/4
DX20VC0361A*	35 1/2	35 1/2	38 1/4
DX20VC0481A*	35 1/2	35 1/2	41 3/4
DX20VC0601A*	35 1/2	35 1/2	41 3/4

Specifications

	DX20VC0241A*	DX20VC0361A*	DX20VC0481A*	DX20VC0601A*
Cooling Capacity				
Nominal Cooling (BTU/h)	24,000	36,000	48,000	57,000
Compressor				
RLA	12.70	18.10	27.60	28.60
LRA	**	**	**	**
Condenser Fan Motor				
Horsepower (RPM)	1/2	1/2	1/2	1/2
FLA	2.50	2.50	2.50	2.50
Refrigeration System				
Refrigerant Line Size ¹				
Liquid Line Size ("O.D.)	3/8"	3/8"	3/8"	3/8"
Suction Line Size ("O.D.)	3/4"	7/8"	1-1/8"	1-1/8"
Refrigerant Connection Size				
Liquid Valve Size ("O.D.)	3/8"	3/8"	3/8"	3/8"
Suction Valve Size ("O.D.)	3/4"	7/8"	7/8"	7/8"
Valve Connection Type	Ball Valve	Ball Valve	Ball Valve	Ball Valve
Refrigerant Charge	152	154	246	246
Expansion Device	TXV	TXV	TXV	TXV
Superheat at Service Valve	7-9°F	7-9°F	7-9°F	7-9°F
Subcooling at Service Valve	7-9°F	7-9°F	7-9°F	7-9°F
Electrical Data				
Voltage-Phase-Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Minimum Circuit Ampacity ¹	15.2	20.6	30.1	31.1
Max. Overcurrent Protection ²	20	25	35	35
Min / Max Volts	197/253	197/253	197/253	197/253
Electrical Conduit Size	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
Equipment Weight (lbs)	208	216	268	310
Ship Weight (lbs)	228	236	288	330

¹ Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes

² Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

** Inverter/Controller limited to less than 1 Amp

Notes

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

Unit is charged with refrigerant for 15' of 2" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.

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.

Unit specifications are subject to change without notice. **ALWAYS** refer to the unit's serial plate for the most up-to-date general and electrical information.

DX20VC0241A* / CA*F3642*6D* + MBVC1200**-1A*+TXV

2/26/2014

IDB		Airflow		Outdoor Ambient Temperature										Indoor Wet Bulb Temperature										115°F										
				65°F					75°F					85°F					95°F					105°F					115°F					
				59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	
70	620	MBh	23.7	24.1	24.8	-	23.5	23.8	24.6	-	22.9	23.2	23.9	-	21.8	22.1	22.9	-	20.5	20.8	21.5	-	19.3	19.6	20.4	-	18.3	18.6	19.4	-	17.1	17.4	-	
		S/T	0.56	0.48	0.34	-	0.56	0.49	0.35	-	0.59	0.51	0.38	-	0.61	0.53	0.40	-	1.00	0.55	0.42	-	1.00	0.61	0.47	-	1.00	0.61	0.47	-	0.83	0.86	-	
		7T	20	18	15	-	20	18	15	-	20	18	15	-	20	18	15	-	19	18	14	-	20	19	15	-	20	19	15	-	18	17	-	
		kW	1.08	1.08	1.08	-	1.23	1.23	1.23	-	1.39	1.39	1.39	-	1.57	1.57	1.57	-	1.77	1.77	1.77	-	2.00	2.00	2.00	-	2.00	2.00	2.00	-	1.77	1.77	-	
		Amps	5.3	5.3	5.3	-	6.0	6.0	5.9	-	6.7	6.7	6.7	-	7.4	7.4	7.4	-	8.3	8.3	8.3	-	9.3	9.3	9.3	-	9.3	9.3	9.3	-	8.3	8.3	-	
	690	Hi PR	235	236	237	314	-	272	273	275	-	311	312	314	-	353	354	356	-	398	399	401	-	447	448	449	-	447	448	449	-	401	403	-
		Lo PR	120	122	125	-	128	129	132	-	134	136	139	-	140	141	144	-	145	147	150	-	152	153	156	-	152	153	156	-	145	147	-	
		MBh	23.9	24.3	25.0	-	23.7	24.0	24.8	-	23.1	23.4	24.1	-	22.0	22.3	23.1	-	20.7	21.0	21.7	-	19.5	19.8	20.6	-	19.5	19.8	20.6	-	17.1	17.4	-	
		S/T	0.62	0.54	0.41	-	0.62	0.55	0.41	-	0.65	0.57	0.44	-	0.67	0.59	0.46	-	1.00	0.61	0.48	-	1.00	0.67	0.53	-	1.00	0.67	0.53	-	0.83	0.86	-	
		7T	19	17	14	-	19	17	14	-	19	17	14	-	19	17	14	-	18	17	13	-	20	18	15	-	20	18	15	-	18	17	-	
760	kW	1.09	1.09	1.08	-	1.24	1.23	1.23	-	1.40	1.40	1.40	-	1.58	1.58	1.57	-	1.78	1.78	1.77	-	2.01	2.01	2.01	-	2.01	2.01	2.01	-	1.78	1.78	-		
	Amps	5.3	5.3	5.3	-	6.0	6.0	6.0	-	6.7	6.7	6.7	-	7.5	7.5	7.5	-	8.3	8.3	8.3	-	9.4	9.4	9.3	-	9.4	9.4	9.3	-	8.3	8.3	-		
	Hi PR	236	237	239	-	274	275	276	-	313	314	315	-	355	356	357	-	400	401	403	-	448	449	451	-	448	449	451	-	400	401	-		
	Lo PR	122	123	126	-	129	131	134	-	135	137	140	-	141	142	146	-	146	148	151	-	153	155	158	-	153	155	158	-	146	148	-		
	MBh	24.1	24.5	25.2	-	23.9	24.3	25.0	-	23.3	23.6	24.4	-	22.2	22.6	23.3	-	20.9	21.3	22.0	-	19.7	20.1	20.8	-	19.7	20.1	20.8	-	17.1	17.4	-		
770	S/T	0.66	0.59	0.45	-	0.67	0.59	0.46	-	0.69	0.62	0.48	-	0.71	0.64	0.50	-	1.00	0.66	0.52	-	1.00	0.71	0.57	-	1.00	0.71	0.57	-	0.83	0.86	-		
	7T	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	19	17	14	-	19	17	14	-	18	16	-		
	kW	1.09	1.09	1.09	-	1.24	1.24	1.24	-	1.41	1.40	1.40	-	1.58	1.58	1.58	-	1.78	1.78	1.78	-	2.02	2.02	2.01	-	2.02	2.02	2.01	-	1.78	1.78	-		
	Amps	5.4	5.4	5.4	-	6.0	6.0	6.0	-	6.7	6.7	6.7	-	7.5	7.5	7.5	-	8.4	8.4	8.4	-	9.4	9.4	9.4	-	9.4	9.4	9.4	-	8.4	8.4	-		
	Hi PR	238	239	240	-	275	276	278	-	314	315	317	-	356	357	359	-	401	402	404	-	450	451	452	-	450	451	452	-	401	402	-		
Lo PR	123	124	128	-	130	132	135	-	137	138	141	-	142	144	147	-	148	149	152	-	154	156	159	-	154	156	159	-	148	149	-			

75	Airflow	23.7	24.1	24.8	-	23.5	23.8	24.6	-	22.9	23.2	23.9	-	21.8	22.1	22.9	-	20.5	20.8	21.5	-	19.3	19.6	20.4	-	18.3	18.6	19.4	-	17.1	17.4	-
	MBh	0.69	0.61	0.47	-	0.69	0.62	0.48	-	0.71	0.64	0.51	-	0.73	0.66	0.53	-	1.00	0.68	0.55	-	1.00	0.74	0.60	-	1.00	0.74	0.60	-	0.83	0.86	-
	S/T	24	22	18	-	23	21	18	-	23	21	18	-	23	21	18	-	22	21	17	-	24	23	19	-	24	23	19	-	20	19	-
	620	1.08	1.08	1.08	-	1.23	1.23	1.23	-	1.39	1.39	1.39	-	1.57	1.57	1.57	-	1.77	1.77	1.77	-	2.00	2.00	2.00	-	2.00	2.00	2.00	-	1.77	1.77	-
	kW	5.3	5.3	5.3	-	6.0	6.0	5.9	-	6.7	6.7	6.7	-	7.4	7.4	7.4	-	8.3	8.3	8.3	-	9.3	9.3	9.3	-	9.3	9.3	9.3	-	8.3	8.3	-
	Amps	23.5	23.6	23.7	-	27.2	27.3	27.5	-	31.1	31.2	31.4	-	35.3	35.4	35.6	-	39.8	39.9	40.1	-	44.7	44.8	44.9	-	44.7	44.8	44.9	-	40.1	40.3	-
	Hi PR	120	122	125	-	128	129	132	-	134	136	139	-	140	141	144	-	145	147	150	-	152	153	156	-	152	153	156	-	145	148	-
	Lo PR	23.9	24.3	25.0	-	23.7	24.1	24.8	-	23.1	23.4	24.1	-	22.0	22.3	23.1	-	20.7	21.0	21.7	-	19.5	19.8	20.6	-	19.5	19.8	20.6	-	17.1	17.4	-
	MBh	0.75	0.67	0.53	-	0.75	0.68	0.54	-	0.78	0.70	0.57	-	0.80	0.72	0.59	-	1.00	0.74	0.61	-	1.00	0.80	0.66	-	1.00	0.80	0.66	-	0.83	0.86	-
	S/T	23	21	18	-	23	21	18	-	23	21	18	-	23	21	18	-	22	21	17	-	24	23	19	-	24	23	19	-	20	19	-

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

Shaded area reflects ACCA (TVA) conditions

kW = Total system power
Amps = outdoor unit amps (comp.+fan)

100% HIGH CAPACITY - DX20VC0241A*

7

PERFORMANCE DATA

100% HIGH CAPACITY - DX20VC0361A*

IDB		Outdoor Ambient Temperature																													
		65°F					75°F					85°F					95°F					105°F					115°F				
		Entering Indoor Wet Bulb Temperature																													
		85°F																													
Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71						
1050	MBh	35.0	35.5	36.5	-	34.7	35.2	36.2	-	33.8	34.3	35.3	-	32.2	32.7	33.8	-	30.3	30.8	31.8	-	28.5	29.0	30.1	-						
	S/T	0.62	0.54	0.41	-	0.63	0.55	0.41	-	0.65	0.57	0.44	-	1.00	0.59	0.46	-	1.00	0.62	0.48	-	1.00	0.67	0.53	-						
	°T	19	17	14	-	19	17	14	-	19	17	14	-	19	17	14	-	18	17	13	-	20	18	15	-						
	kW	1.83	1.83	1.82	-	2.07	2.06	2.06	-	2.33	2.33	2.33	-	2.62	2.62	2.61	-	2.94	2.94	2.93	-	3.32	3.32	3.31	-						
	Amps	8.0	7.9	7.9	-	9.0	9.0	9.0	-	10.2	10.1	10.1	-	11.4	11.4	11.4	-	12.8	12.8	12.8	-	14.4	14.4	14.4	-						
	Hi-PR	250	251	252	-	289	290	292	-	330	331	333	-	375	376	377	-	422	423	425	-	473	475	476	-						
1170	Lo-PR	125	126	129	-	132	134	137	-	139	140	143	-	144	146	149	-	150	151	154	-	157	158	161	-						
	MBh	35.4	35.9	36.9	-	35.1	35.6	36.6	-	34.2	34.7	35.7	-	32.6	33.1	34.1	-	30.7	31.2	32.2	-	28.9	29.4	30.5	-						
	S/T	0.67	0.59	0.45	-	0.67	0.60	0.46	-	0.70	0.62	0.49	-	1.00	0.64	0.51	-	1.00	0.66	0.53	-	1.00	0.72	0.58	-						
	°T	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	19	17	14	-						
	kW	1.84	1.84	1.83	-	2.08	2.07	2.07	-	2.34	2.34	2.34	-	2.63	2.63	2.62	-	2.95	2.95	2.94	-	3.33	3.33	3.32	-						
	Amps	8.0	8.0	8.0	-	9.0	9.0	9.0	-	10.2	10.2	10.2	-	11.4	11.4	11.4	-	12.8	12.8	12.8	-	14.5	14.5	14.5	-						
1290	Hi-PR	251	252	254	-	291	292	294	-	332	333	335	-	376	377	379	-	424	425	427	-	475	476	478	-						
	Lo-PR	126	128	131	-	134	135	138	-	140	142	145	-	146	147	150	-	151	153	156	-	158	160	163	-						
	MBh	35.8	36.3	37.4	-	35.5	36.0	37.1	-	34.6	35.1	36.1	-	33.0	33.5	34.6	-	31.1	31.6	32.7	-	29.4	29.9	30.9	-						
	S/T	0.70	0.62	0.48	-	0.70	0.63	0.49	-	0.73	0.65	0.52	-	1.00	0.67	0.54	-	1.00	0.69	0.56	-	1.00	0.75	0.61	-						
	°T	17	15	12	-	17	15	12	-	17	16	12	-	17	15	12	-	17	15	12	-	18	16	13	-						
	kW	1.85	1.84	1.84	-	2.08	2.08	2.08	-	2.35	2.35	2.34	-	2.64	2.64	2.63	-	2.96	2.96	2.95	-	3.34	3.33	3.33	-						
70	Amps	8.0	8.0	8.0	-	9.1	9.1	9.0	-	10.2	10.2	10.2	-	11.5	11.5	11.5	-	12.9	12.9	12.9	-	14.5	14.5	14.5	-						
	Hi-PR	253	254	256	-	292	293	295	-	334	335	336	-	378	379	381	-	426	427	429	-	477	478	480	-						
	Lo-PR	128	129	132	-	135	137	140	-	142	143	147	-	147	149	152	-	153	154	158	-	160	161	164	-						

PERFORMANCE DATA

100% HIGH CAPACITY - DX20VC0361A*

2/26/2014

DX20VC0361A* / CA*F3743*6D* + MBVC1600**-1A* + TXV

100%

		Outdoor Ambient Temperature																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		Entering Indoor Wet Bulb Temperature																																			
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
80	1050	MBh	35.2	35.7	36.7	38.3	34.9	35.4	36.4	38.0	34.0	34.5	35.5	37.1	32.4	32.9	34.0	35.5	30.5	31.0	32.0	33.6	28.7	29.2	30.3	31.9	1.00	0.80	0.66	0.52							
		S/T	1.00	0.80	0.66	0.52	1.00	0.80	0.67	0.52	1.00	0.83	0.69	0.55	1.00	1.00	0.71	0.57	1.00	1.00	0.74	0.59	1.00	1.00	0.79	0.64	0.59	0.44	0.30	0.16							
		°T	26	25	21	18	26	25	21	18	27	25	22	18	26	25	21	18	26	24	21	18	27	26	22	19	27	26	22	19							
		kW	1.83	1.83	1.82	1.84	2.07	2.06	2.08	2.08	2.33	2.33	2.33	2.34	2.62	2.62	2.61	2.63	2.94	2.94	2.94	2.95	3.32	3.32	3.32	3.31	3.33	3.32	3.32	3.31	3.33						
		Amps	8.0	7.9	7.9	8.0	9.0	9.0	9.0	9.0	10.1	10.1	10.1	10.2	11.4	11.4	11.4	11.5	12.8	12.8	12.8	12.9	14.4	14.4	14.4	14.4	14.5	14.4	14.4	14.4	14.5						
	1170	Hi-PR	250	251	253	257	290	291	292	297	331	332	334	338	375	376	378	382	423	424	426	430	474	475	477	481	474	475	477	481	481						
		Lo-PR	125	127	130	135	133	134	137	143	139	141	144	149	145	146	150	155	150	152	155	160	157	159	162	167	157	159	162	167	167						
		MBh	35.6	36.1	37.1	38.7	35.3	35.8	36.8	38.4	34.4	34.9	35.9	37.5	32.8	33.3	34.3	35.9	30.9	31.4	32.4	34.0	29.1	29.6	30.7	32.3	29.1	29.6	30.7	32.3	32.3						
		S/T	1.00	0.85	0.71	0.57	1.00	0.85	0.72	0.57	1.00	0.88	0.74	0.60	1.00	1.00	0.76	0.62	1.00	1.00	0.78	0.64	1.00	1.00	0.84	0.69	1.00	1.00	0.84	0.69	0.69						
		°T	26	24	21	17	26	24	21	17	26	24	21	17	26	24	21	17	25	24	20	17	26	25	21	18	26	25	21	18	18						
85	1050	kW	1.84	1.84	1.83	1.85	2.08	2.07	2.07	2.09	2.34	2.34	2.34	2.35	2.63	2.63	2.63	2.64	2.95	2.95	2.94	2.96	3.33	3.33	3.32	3.34	3.33	3.33	3.32	3.34	3.34						
		Amps	8.0	8.0	8.0	8.1	9.0	9.0	9.0	9.1	10.2	10.2	10.2	10.2	11.4	11.4	11.4	11.5	12.8	12.8	12.8	12.9	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5						
		Hi-PR	251	253	254	259	291	292	294	299	333	334	335	340	377	378	380	384	425	426	428	432	476	477	479	483	478	479	480	485	485						
		Lo-PR	127	128	132	137	135	136	139	144	141	142	145	151	146	148	151	156	152	153	157	162	159	160	163	169	160	162	165	170	170						
		MBh	36.0	36.5	37.6	39.2	35.7	36.2	37.3	38.8	34.8	35.3	36.3	37.9	33.2	33.7	34.8	36.4	31.3	31.8	32.9	34.4	29.6	30.1	31.1	32.7	29.6	30.1	31.1	32.7	32.7						
	1170	S/T	1.00	0.88	0.74	0.60	1.00	0.88	0.75	0.60	1.00	0.91	0.77	0.63	1.00	1.00	0.79	0.65	1.00	1.00	0.81	0.67	1.00	1.00	0.87	0.72	1.00	1.00	0.87	0.72	0.72						
		°T	25	23	20	16	25	23	20	16	25	23	20	17	25	23	20	16	25	23	20	16	26	24	21	17	26	24	21	17	17						
		kW	1.85	1.84	1.84	1.86	2.08	2.08	2.08	2.10	2.35	2.35	2.34	2.36	2.64	2.64	2.63	2.65	2.96	2.96	2.95	2.97	3.34	3.33	3.33	3.35	3.34	3.33	3.33	3.33	3.35						
		Amps	8.0	8.0	8.0	8.1	9.1	9.1	9.0	9.1	10.2	10.2	10.2	10.3	11.5	11.5	11.5	11.5	12.9	12.9	12.9	12.9	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.6						
		Hi-PR	254	255	257	261	293	294	296	300	334	335	337	341	379	380	381	386	426	428	429	434	478	479	480	485	478	479	480	485	485						
1290	Lo-PR	128	130	133	138	136	137	140	146	142	144	147	152	148	150	153	158	153	155	158	163	160	162	165	170	160	162	165	170	170							
	MBh	35.8	36.3	37.3	38.9	35.5	36.0	37.0	38.6	34.6	35.1	36.1	37.7	33.0	33.5	34.5	36.1	31.1	31.6	32.6	34.2	29.3	29.8	30.9	32.5	29.3	29.8	30.9	32.5	32.5							
	S/T	1.00	0.90	0.76	0.62	1.00	1.00	0.77	0.63	1.00	1.00	0.80	0.65	1.00	1.00	0.82	0.67	1.00	1.00	0.84	0.69	1.00	1.00	0.75	1.00	1.00	0.75	0.75	0.75	0.75							
	°T	30	28	25	21	30	28	25	21	30	28	25	22	30	28	25	21	30	28	25	21	31	29	26	22	31	29	26	22	22							
	kW	1.83	1.83	1.83	1.84	2.07	2.07	2.06	2.08	2.34	2.33	2.33	2.35	2.62	2.62	2.62	2.64	2.95	2.94	2.94	2.96	3.32	3.32	3.32	3.33	3.32	3.32	3.32	3.32	3.33							
	1290	Amps	8.0	8.0	8.0	8.0	9.0	9.0	9.0	9.1	10.2	10.2	10.1	10.2	11.4	11.4	11.4	11.5	12.8	12.8	12.8	12.9	14.5	14.4	14.4	14.5	14.5	14.4	14.4	14.4	14.5						
		Hi-PR	251	253	254	259	291	292	294	298	332	333	335	339	376	377	379	384	424	425	427	431	475	476	478	482	475	476	478	482	482						
		Lo-PR	127	128	132	137	135	136	139	145	141	143	146	151	147	148	151	157	152	154	157	162	159	161	164	169	161	162	165	171	169						
		MBh	36.2	36.7	37.7	39.3	35.9	36.4	37.4	39.0	35.0	35.4	36.5	38.1	33.4	33.9	34.9	36.5	31.5	32.0	33.0	34.6	29.7	30.2	31.2	32.8	29.7	30.2	31.2	32.8	32.8						
		S/T	1.00	0.95	0.81	0.67	1.00	1.00	0.82	0.67	1.00	1.00	0.84	0.70	1.00	1.00	0.86	0.72	1.00	1.00	0.84	0.74	1.00	1.00	0.79	1.00	1.00	0.79	0.79	0.79	0.79						
85	1050	°T	29	27	24	21	29	27	24	21	29	27	24	21	29	27	24	21	29	27	24	20	30	28	25	21	30	28	25	21	21						
		kW	1.84	1.84	1.84	1.85	2.08	2.08	2.07	2.09	2.35	2.34	2.34	2.36	2.63	2.63	2.63	2.65	2.96	2.95	2.95	2.97	3.33	3.33	3.33	3.34	3.33	3.33	3.33	3.34	3.34						
		Amps	8.0	8.0	8.0	8.1	9.1	9.0	9.0	9.1	10.2	10.2	10.2	10.3	11.5	11.5	11.4	11.5	12.9	12.9	12.8	12.9	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.6						
		Hi-PR	253	254	256	260	293	294	295	300	334	335	337	341	378	379	381	385	426	427	429	433	477	478	480	484	477	478	480	484	484						
		Lo-PR	128	130	133	138	136	138	141	146	143	144	147	153	148	150	153	158	154	155	158	164	161	162	165	171	161	162	165	171	171						
	1170	MBh	36.6	37.1	38.2	39.7	36.3	36.8	37.8	39.4	35.4	35.9	36.9	38.5	33.8	34.3	35.4	37.0	31.9	32.4	33.4	35.0	30.2	30.6	31.7	33.3	30.2	30.6	31.7	33.3	33.3						
		S/T	1.00	0.98	0.84	0.70	1.00	1.00	0.85	0.71	1.00	1.00	0.87	0.73	1.00	1.00	0.89	0.75	1.00	1.00	0.84	0.77	1.00	1.00	0.82	1.00	1.00	0.82	0.82	0.82	0.82						
		°T	28	27	23	20	28	27	23	20	29	27	23	20	28	26	23	20	28	26	23	20	29	27	24	21	29	27	24	21	21						
		kW	1.85	1.85	1.84	1.86	2.09	2.09	2.08	2.10	2.35	2.35	2.35	2.37	2.64	2.64	2.64	2.65	2.96	2.96	2.96	2.98	3.34	3.34	3.33	3.35	3.34	3.34	3.33	3.33	3.35						
		Amps	8.1	8.0	8.0	8.1	9.1	9.1	9.1	9.1	10.2	10.2	10.2	10.3	11.5	11.5	11.5	11.6	12.9	12.9	12.9	13.0	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.6						
1290	Hi-PR	255	256	258	262	294	295	297	301	335	337	338	343	380	381	383	388	428	429	430	435	479	480	482	486	479	480	482	486	486							
	Lo-PR	130	132	135	140	138	139	142	148	144	146	149	154	150	151	155	160	155	157	160	165	162	164	167	1721												

PERFORMANCE DATA

DX20VC0481A* / CA*F4961*6D* + MBVC2000**1A* + TXV

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IDB		Outdoor Ambient Temperature																								115°F																	
		65°F												75°F												85°F						95°F						105°F					
		Entering Indoor Wet Bulb Temperature																																									
Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71														
1300	MBh	46.5	47.2	48.6	-	46.1	46.8	48.1	-	44.9	45.5	46.9	-	42.8	43.5	44.8	-	40.3	40.9	42.3	-	37.9	38.6	40.0	-																		
	S/T	0.63	0.55	0.42	-	0.64	0.56	0.42	-	0.66	0.59	0.45	-	1.00	0.60	0.47	-	1.00	0.63	0.49	-	1.00	0.68	0.54	-																		
	7T	19	18	14	-	19	18	14	-	20	18	14	-	19	18	14	-	19	17	14	-	20	18	15	-																		
	kW	2.42	2.42	2.42	-	2.74	2.74	2.74	-	3.10	3.10	3.09	-	3.49	3.49	3.48	-	3.92	3.92	3.91	-	4.43	4.43	4.42	-																		
	Amps	9.4	9.4	9.4	-	10.8	10.8	10.8	-	12.4	12.4	12.4	-	14.1	14.1	14.0	-	16.0	15.9	15.9	-	18.2	18.1	18.1	-																		
1440	Hi PR	251	252	254	-	290	292	293	-	332	333	335	-	376	377	379	-	424	426	427	-	476	477	479	-																		
	Lo PR	124	126	129	-	132	133	136	-	138	140	143	-	144	145	148	-	149	151	154	-	156	157	161	-																		
	MBh	47.0	47.7	49.0	-	46.6	47.2	48.6	-	45.4	46.0	47.4	-	43.3	43.9	45.3	-	40.7	41.4	42.8	-	38.4	39.1	40.5	-																		
	S/T	0.68	0.60	0.46	-	0.68	0.60	0.47	-	0.71	0.63	0.49	-	1.00	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.72	0.59	-																		
	7T	19	17	13	-	19	17	13	-	19	17	14	-	19	17	13	-	18	17	13	-	19	18	14	-																		
1580	kW	2.44	2.43	2.43	-	2.76	2.75	2.75	-	3.12	3.11	3.11	-	3.50	3.50	3.49	-	3.94	3.93	3.93	-	4.44	4.44	4.43	-																		
	Amps	9.5	9.5	9.5	-	10.9	10.9	10.8	-	12.4	12.4	12.4	-	14.1	14.1	14.1	-	16.0	16.0	16.0	-	18.2	18.2	18.2	-																		
	Hi PR	253	254	255	-	292	293	295	-	333	335	336	-	378	379	381	-	426	427	429	-	477	478	480	-																		
	Lo PR	125	127	130	-	133	134	138	-	140	141	144	-	145	147	150	-	151	152	155	-	157	159	162	-																		
	MBh	47.6	48.2	49.6	-	47.1	47.8	49.2	-	45.9	46.6	48.0	-	43.8	44.5	45.9	-	41.3	42.0	43.3	-	39.0	39.6	41.0	-																		
	S/T	0.70	0.63	0.49	-	0.71	0.63	0.50	-	0.74	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.70	0.56	-	1.00	0.75	0.62	-																		
	7T	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	18	16	12	-	19	17	14	-																		
	kW	2.45	2.44	2.44	-	2.77	2.77	2.76	-	3.13	3.12	3.12	-	3.51	3.51	3.51	-	3.95	3.94	3.94	-	4.45	4.45	4.45	-																		
	Amps	9.5	9.5	9.5	-	10.9	10.9	10.9	-	12.5	12.5	12.5	-	14.2	14.2	14.1	-	16.1	16.0	16.0	-	18.3	18.2	18.2	-																		
	Hi PR	254	255	257	-	294	295	297	-	335	336	338	-	380	381	383	-	428	429	431	-	479	480	482	-																		
	Lo PR	127	128	132	-	134	136	139	-	141	143	146	-	147	148	151	-	152	154	157	-	159	160	164	-																		

75	1300	MBh	46.5	47.2	48.6	50.7	46.1	46.8	48.2	50.3	44.9	45.6	47.0	49.1	42.8	43.5	44.9	47.0	40.3	40.9	42.3	44.4	38.0	38.6	40.0	42.1
		S/T	0.76	0.68	0.55	0.40	0.77	0.69	0.55	0.41	1.00	0.72	0.58	0.43	1.00	0.74	0.60	0.45	1.00	0.76	0.62	0.48	1.00	1.00	0.67	0.53
		7T	24	22	18	15	23	22	18	15	24	22	18	15	23	22	18	15	23	21	18	14	24	23	19	16
		kW	2.42	2.42	2.41	2.44	2.74	2.74	2.73	2.76	3.10	3.10	3.09	3.12	3.49	3.49	3.48	3.50	3.92	3.92	3.91	3.94	4.43	4.43	4.42	4.44
		Amps	9.4	9.4	9.4	9.5	10.8	10.8	10.8	10.9	12.4	12.4	12.3	12.4	14.1	14.0	14.0	14.1	15.9	15.9	15.9	16.0	18.1	18.1	18.1	18.2
	1440	Hi PR	251	252	254	258	291	292	294	298	332	333	335	339	377	378	379	384	425	426	428	432	476	477	479	483
		Lo PR	124	126	129	134	132	133	136	141	138	140	143	148	144	145	148	154	149	151	154	159	156	158	161	166
		MBh	47.0	47.7	49.1	51.2	46.6	47.3	48.7	50.8	45.4	46.1	47.4	49.6	43.3	44.0	45.4	47.5	40.8	41.4	42.8	44.9	38.4	39.1	40.5	42.6
		S/T	0.81	0.73	0.59	0.45	0.81	0.74	0.60	0.45	1.00	0.76	0.62	0.48	1.00	0.78	0.64	0.50	1.00	0.80	0.67	0.52	1.00	1.00	0.72	0.57
		7T	23	21	17	14	23	21	17	14	23	21	18	14	23	21	17	14	22	21	17	14	23	22	18	15
	1580	kW	2.43	2.43	2.43	2.45	2.76	2.75	2.75	2.77	3.11	3.11	3.10	3.13	3.50	3.50	3.49	3.52	3.93	3.93	3.92	3.95	4.44	4.44	4.43	4.46
		Amps	9.5	9.5	9.4	9.6	10.9	10.9	10.8	10.9	12.4	12.4	12.4	12.5	14.1	14.1	14.1	14.2	16.0	16.0	16.0	16.1	18.2	18.2	18.2	18.3
		Hi PR	253	254	256	260	292	293	295	300	334	335	337	341	378	379	381	385	426	427	429	434	478	479	480	485
		Lo PR	125	127	130	135	133	134	138	143	140	141	144	149	145	147	150	155	151	152	155	161	157	159	162	167
		MBh	47.6	48.2	49.6	51.7	47.2	47.8	49.2	51.3	46.0	46.6	48.0	50.1	43.9	44.5	45.9	48.0	41.3	42.0	43.4	45.5	39.0	39.7	41.0	43.2
75	S/T	0.84	0.76	0.62	0.48	1.00	0.76	0.63	0.48	1.00	0.79	0.65	0.51	1.00	0.81	0.67	0.53	1.00	0.83	0.69	0.55	1.00	1.00	0.75	0.60	
	7T	22	20	17	13	22	20	17	13	22	20	17	13	22	20	17	13	22	20	16	13	23	21	18	14	
	kW	2.45	2.44	2.44	2.46	2.77	2.76	2.76	2.78	3.12	3.12	3.12	3.14	3.51	3.51	3.50	3.53	3.94	3.94	3.94	3.96	4.45	4.45	4.44	4.47	
	Amps	9.5	9.5	9.5	9.6	10.9	10.9	10.9	11.0	12.5	12.5	12.4	12.6	14.2	14.2	14.1	14.2	16.0	16.0	16.0	16.1	18.3	18.2	18.2	18.3	
	Hi PR	254	255	257	262	294	295	297	301	335	336	338	343	380	381	383	387	428	429	431	435	479	480	482	486	
Lo PR	127	129	132	137	135	136	139	144	141	143	146	151	147	148	151	157	152	154	157	162	159	160	164	169		

PERFORMANCE DATA

100% HIGH CAPACITY - DX20VC0481A*

100%

DX20VC0481A* / CA*F4961*6D* + MBVC2000**-1A* + TXV

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		Outdoor Ambient Temperature										105°F										115°F									
		65°F					75°F					85°F					95°F														
		Entering Indoor/Wet Bulb Temperature																													
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
80	1300	MBh	46.8	47.4	48.8	50.9	46.4	47.0	48.4	50.5	45.2	45.8	47.2	49.3	43.1	43.7	45.1	47.2	40.5	41.2	42.6	44.7	38.2	38.9	40.2	42.4	38.2	38.9	40.2	42.4	
		S/T	1.00	0.81	0.67	0.53	1.00	0.82	0.68	0.54	1.00	0.84	0.71	0.56	1.00	1.00	0.73	0.58	1.00	1.00	0.75	0.60	1.00	1.00	0.80	0.66	1.00	1.00	0.80	0.66	
		7T	28	26	22	19	27	26	22	19	28	26	23	19	27	26	22	19	27	27	25	22	18	28	27	23	20	28	27	23	20
		kW	2.42	2.42	2.42	2.44	2.74	2.74	2.74	2.76	3.10	3.10	3.09	3.12	3.49	3.49	3.48	3.51	3.92	3.92	3.92	3.91	3.94	4.43	4.43	4.42	4.45	4.43	4.43	4.42	4.45
		Amps	9.4	9.4	9.4	9.5	10.8	10.8	10.8	10.9	12.4	12.4	12.3	12.5	14.1	14.1	14.0	14.1	15.9	15.9	15.9	15.9	16.0	18.2	18.1	18.1	18.2	18.2	18.1	18.1	18.2
		Hi PR	252	253	254	259	291	292	294	298	333	334	335	340	377	378	380	384	425	425	426	428	432	476	478	479	484	476	478	479	484
80	1440	Lo PR	125	126	129	134	132	134	137	142	139	140	143	149	144	146	149	154	150	151	154	160	157	158	161	166	157	158	161	166	
		MBh	47.3	47.9	49.3	51.4	46.9	47.5	48.9	51.0	45.6	46.3	47.7	49.8	43.6	44.2	45.6	47.7	41.0	41.7	43.1	45.2	38.7	39.3	40.7	42.8	38.7	39.3	40.7	42.8	
		S/T	1.00	0.86	0.72	0.57	1.00	0.86	0.73	0.58	1.00	0.89	0.75	0.61	1.00	1.00	0.77	0.63	1.00	1.00	0.79	0.65	1.00	1.00	0.84	0.70	1.00	1.00	0.84	0.70	
		7T	27	25	21	18	27	25	21	18	27	25	22	18	27	25	21	18	26	26	25	21	18	28	26	22	19	28	26	22	19
		kW	2.44	2.43	2.43	2.45	2.76	2.75	2.75	2.77	3.11	3.11	3.11	3.13	3.50	3.50	3.49	3.52	3.93	3.93	3.93	3.95	4.44	4.44	4.43	4.46	4.44	4.44	4.43	4.46	
		Amps	9.5	9.5	9.5	9.6	10.9	10.9	10.8	11.0	12.4	12.4	12.4	12.5	14.1	14.1	14.1	14.2	16.0	16.0	16.0	16.0	16.1	18.2	18.2	18.2	18.3	18.2	18.2	18.2	18.3
80	1580	Hi PR	253	254	256	260	293	294	296	300	334	335	337	341	379	380	382	386	427	428	430	434	478	479	481	485	478	479	481	485	
		Lo PR	126	128	131	136	134	135	138	143	140	142	145	150	146	147	150	156	151	153	156	161	158	159	163	168	158	159	163	168	
		MBh	47.8	48.5	49.9	52.0	47.4	48.1	49.5	51.6	46.2	46.9	48.2	50.4	44.1	44.8	46.2	48.3	41.6	42.2	43.6	45.7	39.2	39.9	41.3	43.4	39.2	39.9	41.3	43.4	
		S/T	1.00	0.89	0.75	0.60	1.00	0.89	0.75	0.61	1.00	0.92	0.78	0.63	1.00	1.00	0.80	0.65	1.00	1.00	0.82	0.68	1.00	1.00	0.87	0.73	1.00	1.00	0.87	0.73	
		7T	26	24	21	17	26	24	21	17	26	24	21	17	26	24	21	17	26	24	20	17	27	25	22	18	27	25	22	18	
		kW	2.45	2.44	2.44	2.46	2.77	2.77	2.76	2.78	3.13	3.12	3.12	3.14	3.51	3.51	3.50	3.53	3.95	3.95	3.94	3.94	3.96	4.45	4.45	4.45	4.47	4.45	4.45	4.45	4.47
1300	Amps	9.5	9.5	9.5	9.6	10.9	10.9	10.9	11.0	12.5	12.5	12.5	12.6	14.2	14.2	14.1	14.2	16.1	16.1	16.0	16.0	16.1	18.3	18.2	18.2	18.3	18.3	18.2	18.2	18.3	
	Hi PR	255	256	258	262	294	295	297	302	336	337	339	343	380	381	383	388	428	429	431	436	480	481	483	487	480	481	483	487		
	Lo PR	128	129	132	137	135	137	140	145	142	143	146	152	147	149	152	157	153	154	157	163	160	161	164	169	160	161	164	169		

1300	MBh	47.6	48.2	49.6	51.7	47.2	47.8	49.2	51.3	45.9	46.6	48.0	50.1	43.9	44.5	45.9	48.0	41.3	42.0	43.4	45.5	39.0	39.6	41.0	43.1
	S/T	1.00	0.91	0.78	0.63	1.00	0.92	0.78	0.64	1.00	1.00	0.81	0.66	1.00	1.00	0.83	0.68	1.00	1.00	0.85	0.71	1.00	1.00	1.00	0.76
	7T	31	29	26	22	31	29	26	22	31	30	26	23	31	29	26	22	31	29	26	22	32	30	27	23
	kW	2.43	2.43	2.42	2.45	2.75	2.75	2.74	2.77	3.11	3.11	3.10	3.12	3.50	3.49	3.49	3.51	3.93	3.93	3.92	3.94	4.44	4.43	4.43	4.45
	Amps	9.5	9.4	9.4	9.5	10.9	10.8	10.8	10.9	12.4	12.4	12.4	12.5	14.1	14.1	14.1	14.2	16.0	16.0	15.9	16.0	18.2	18.2	18.1	18.3
	Hi PR	253	254	256	260	292	293	295	300	334	335	337	341	378	379	381	385	426	427	429	434	478	479	480	485
1440	Lo PR	126	128	131	136	134	135	139	144	141	142	145	150	146	148	151	156	152	153	156	161	158	160	163	168
	MBh	48.1	48.7	50.1	52.2	47.6	48.3	49.7	51.8	46.4	47.1	48.5	50.6	44.3	45.0	46.4	48.5	41.8	42.4	43.8	46.0	39.5	40.1	41.5	43.6
	S/T	1.00	0.96	0.82	0.68	1.00	1.00	0.83	0.68	1.00	1.00	0.85	0.71	1.00	1.00	0.87	0.73	1.00	1.00	0.90	0.75	1.00	1.00	1.00	0.80
	7T	30	28	25	22	30	28	25	21	30	29	25	22	30	28	25	21	30	28	25	21	31	29	26	22
	kW	2.44	2.44	2.43	2.46	2.76	2.76	2.75	2.78	3.12	3.12	3.11	3.14	3.51	3.51	3.50	3.52	3.94	3.94	3.93	3.96	4.45	4.45	4.44	4.47
	Amps	9.5	9.5	9.5	9.6	10.9	10.9	10.9	11.0	12.5	12.5	12.4	12.5	14.1	14.1	14.1	14.2	16.0	16.0	16.0	16.1	18.2	18.2	18.2	18.3
1580	Hi PR	254	256	257	262	294	295	297	301	335	336	338	343	380	381	383	387	428	429	431	435	479	480	482	486
	Lo PR	128	129	133	138	135	137	140	145	142	143	147	152	148	149	152	157	153	155	158	163	160	161	164	170
	MBh	48.6	49.3	50.6	52.8	48.2	48.8	50.2	52.4	47.0	47.6	49.0	51.1	44.9	45.6	46.9	49.1	42.4	43.0	44.4	46.5	40.0	40.7	42.1	44.2
	S/T	1.00	0.99	0.85	0.71	1.00	1.00	0.86	0.71	1.00	1.00	0.88	0.74	1.00	1.00	0.90	0.76	1.00	1.00	1.00	0.78	1.00	1.00	1.00	0.83
	7T	30	28	24	21	30	28	24	21	30	28	25	21	29	28	24	21	29	27	24	20	30	29	25	22
	kW	2.45	2.45	2.45	2.47	2.77	2.77	2.77	2.79	3.13	3.13	3.12	3.15	3.52	3.52	3.51	3.54	3.95	3.95	3.94	3.97	4.46	4.46	4.45	4.48
1300	Amps	9.6	9.6	9.5	9.6	11.0	10.9	10.9	11.0	12.5	12.5	12.5	12.6	14.2	14.2	14.2	14.3	16.1	16.1	16.0	16.2	18.3	18.3	18.3	18.4
	Hi PR	256	257	259	263	296	297	298	303	337	338	340	344	382	383	384	389	430	431	432	437	481	482	484	488
	Lo PR	129	131	134	139	137	138	142	147	143	145	148	153	149	151	154	159	155	156	159	164	161	163	166	171

PERFORMANCE DATA

100% HIGH CAPACITY - DX20VC0601A*

DX20VC0601A* / CA*F4961*6D* + MBVC2000**-1A* + TXV																									100%										2/26/2014									
					Outdoor Ambient Temperature																																							
					65°F					75°F					85°F					95°F					105°F					115°F														
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																			
70	1470	MBh	54.5	55.3	56.9	-	54.0	54.8	56.4	-	52.6	53.3	55.0	-	50.1	50.9	52.5	-	47.1	47.9	49.5	-	43.3	44.0	45.6	-																		
		S/T	0.61	0.53	0.40	-	0.61	0.54	0.40	-	0.64	0.56	0.43	-	0.66	0.58	0.45	-	0.68	0.60	0.47	-	1.00	0.66	0.53	-																		
		ȳ	20	18	15	-	20	18	15	-	20	18	15	-	20	18	15	-	20	18	14	-	21	19	15	-																		
		kW	2.85	2.85	2.84	-	3.22	3.22	3.21	-	3.64	3.64	3.63	-	4.09	4.09	4.08	-	4.60	4.60	4.59	-	4.91	4.91	4.90	-																		
		Amps	10.9	10.9	10.9	-	12.6	12.6	12.5	-	14.4	14.4	14.3	-	16.3	16.3	16.3	-	18.5	18.5	18.5	-	19.9	19.8	19.8	-																		
	1640	Hi PR	253	254	256	-	293	294	295	-	334	335	337	-	379	380	382	-	428	429	431	-	480	482	483	-																		
		Lo PR	118	119	122	-	125	126	129	-	131	133	136	-	136	138	141	-	142	143	146	-	148	149	152	-																		
		MBh	55.1	55.9	57.5	-	54.6	55.4	57.0	-	53.2	53.9	55.6	-	50.7	51.5	53.1	-	47.7	48.5	50.1	-	43.9	44.6	46.2	-																		
		S/T	0.65	0.58	0.45	-	0.66	0.58	0.45	-	0.68	0.61	0.48	-	0.70	0.63	0.49	-	0.72	0.65	0.52	-	1.00	0.71	0.57	-																		
		ȳ	19	17	14	-	19	17	14	-	19	18	14	-	19	17	14	-	19	17	13	-	20	18	14	-																		
1790	1640	kW	2.87	2.86	2.86	-	3.24	3.24	3.23	-	3.66	3.65	3.65	-	4.11	4.11	4.10	-	4.61	4.61	4.60	-	4.92	4.92	4.92	-																		
		Amps	11.0	11.0	11.0	-	12.6	12.6	12.6	-	14.4	14.4	14.4	-	16.4	16.4	16.4	-	18.6	18.6	18.6	-	19.9	19.9	19.9	-																		
		Hi PR	255	256	257	-	294	295	297	-	336	337	339	-	381	382	384	-	429	431	432	-	482	483	485	-																		
		Lo PR	119	121	124	-	126	128	131	-	133	134	137	-	138	139	142	-	143	144	147	-	149	151	154	-																		
		MBh	55.7	56.5	58.1	-	55.2	56.0	57.6	-	53.8	54.6	56.2	-	51.3	52.1	53.7	-	48.4	49.1	50.8	-	44.5	45.2	46.8	-																		
	1790	S/T	0.68	0.60	0.47	-	0.69	0.61	0.48	-	0.71	0.64	0.50	-	0.73	0.65	0.52	-	1.00	0.68	0.54	-	1.00	0.74	0.60	-																		
		ȳ	18	17	13	-	18	17	13	-	19	17	13	-	18	17	13	-	18	16	13	-	19	17	14	-																		
		kW	2.88	2.87	2.87	-	3.25	3.25	3.24	-	3.67	3.67	3.66	-	4.12	4.12	4.11	-	4.63	4.62	4.62	-	4.94	4.93	4.93	-																		
		Amps	11.1	11.0	11.0	-	12.7	12.7	12.6	-	14.5	14.5	14.5	-	16.5	16.5	16.4	-	18.7	18.6	18.6	-	20.0	20.0	19.9	-																		
		Hi PR	256	257	259	-	296	297	299	-	338	339	341	-	383	384	385	-	431	432	434	-	484	485	487	-																		
Lo PR	121	122	125	-	128	129	132	-	134	135	138	-	139	141	144	-	144	146	149	-	150	152	155	-																				
75	1470	MBh	54.5	55.3	56.9	59.4	54.0	54.8	56.4	58.9	52.6	53.4	55.0	57.5	50.2	50.9	52.6	55.0	47.2	47.9	49.6	52.1	43.3	44.1	45.6	48.1																		
		S/T	0.73	0.66	0.52	0.38	0.74	0.66	0.53	0.39	0.76	0.69	0.56	0.42	1.00	0.71	0.57	0.43	1.00	0.73	0.60	0.46	1.00	0.79	0.65	0.51																		
		ȳ	24	22	19	15	24	22	19	15	24	23	19	15	24	22	19	15	24	22	19	15	25	23	19	16																		
		kW	2.85	2.84	2.84	2.87	3.22	3.22	3.21	3.24	3.64	3.64	3.63	3.66	4.09	4.09	4.08	4.11	4.60	4.59	4.59	4.61	4.91	4.90	4.90	4.92																		
		Amps	10.9	10.9	10.9	11.0	12.6	12.5	12.5	12.6	14.4	14.4	14.3	14.5	16.3	16.3	16.3	16.4	18.5	18.5	18.5	18.6	19.8	19.8	19.8	19.9																		
	1640	Hi PR	253	254	256	260	293	294	296	300	335	336	337	342	380	381	382	387	428	429	431	435	481	482	484	488																		
		Lo PR	118	119	122	127	125	126	129	134	131	133	136	141	136	138	141	146	142	143	146	151	148	149	152	157																		
		MBh	55.1	55.9	57.5	60.0	54.6	55.4	57.0	59.5	53.2	54.0	55.6	58.1	50.8	51.5	53.2	55.6	47.8	48.5	50.2	52.7	43.9	44.6	46.2	48.6																		
		S/T	0.78	0.70	0.57	0.43	0.79	0.71	0.58	0.44	0.81	0.74	0.60	0.46	1.00	0.75	0.62	0.48	1.00	0.78	0.64	0.50	1.00	0.84	0.70	0.56																		
		ȳ	23	21	18	14	23	21	18	14	24	22	18	14	23	21	18	14	23	21	18	14	24	22	18	15																		
1790	kW	2.86	2.86	2.85	2.88	3.24	3.23	3.23	3.26	3.65	3.65	3.65	3.67	4.11	4.10	4.10	4.13	4.61	4.61	4.60	4.63	4.92	4.92	4.91	4.94																			
	Amps	11.0	11.0	11.0	11.1	12.6	12.6	12.6	12.7	14.4	14.4	14.4	14.5	16.4	16.4	16.4	16.5	18.6	18.6	18.6	18.7	19.9	19.9	19.9	20.0																			
	Hi PR	255	256	258	262	295	296	297	302	336	337	339	344	381	382	384	389	430	431	433	437	482	484	485	490																			
	Lo PR	119	121	124	129	126	128	131	136	133	134	137	142	138	139	142	147	143	145	147	152	149	151	154	159																			
	MBh	55.7	56.5	58.1	60.6	55.2	56.0	57.6	60.1	53.8	54.6	56.2	58.7	51.4	52.1	53.8	56.3	48.4	49.2	50.8	53.3	44.5	45.2	46.8	49.2																			
1790	1790	S/T	0.81	0.73	0.60	0.46	0.81	0.74	0.60	0.46	1.00	0.76	0.63	0.49	1.00	0.78	0.65	0.51	1.00	0.80	0.67	0.53	1.00	0.86	0.73	0.59																		
		ȳ	23	21	17	14	23	21	17	14	23	21	17	14	23	21	17	14	22	20	17	13	23	21	18	14																		
		kW	2.88	2.87	2.87	2.89	3.25	3.25	3.24	3.27	3.67	3.66	3.66	3.69	4.12	4.12	4.11	4.14	4.62	4.62	4.61	4.64	4.93	4.93	4.92	4.95																		
		Amps	11.0	11.0	11.0	11.1	12.7	12.7	12.6	12.8	14.5	14.5	14.4	14.6	16.5	16.4	16.4	16.5	18.6	18.6	18.6	18.7	20.0	19.9	19.9	20.0																		
		Hi PR	256	257	259	264	296	297	299	303	338	339	341	345	383	384	386	390	431	432	434	439	484	485	487	491																		
		Lo PR	121	122	125	130	128	129	132	137	134	135	138	143	139	141	144	149	144	146	149	154	151	152	155	160																		
		IDB: Entering Indoor Dry Bulb Temperature										Shaded area reflects 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																	

100% HIGH CAPACITY - DX20VC0601A*

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PERFORMANCE DATA

70% LOW CAPACITY - DX20VC0241A*

DX20VC0241A* / CA *F3642*6D* + MBVC1200**-.1A*+TXV

2/26/2014

IDB		Airflow		Outdoor Ambient Temperature										115°F																			
				65°F					75°F					85°F					95°F					105°F					115°F				
				Entering Indoor Wet Bulb Temperature																				105°F									
70	520	MBh	17.2	17.5	18.0	-	17.1	17.3	17.8	-	16.6	16.8	17.4	-	15.8	16.1	16.6	-	14.9	15.1	15.6	-	14.0	14.3	14.8	-							
		S/T	0.64	0.56	0.42	-	0.64	0.57	0.43	-	0.67	0.59	0.45	-	1.00	0.61	0.47	-	1.00	0.63	0.49	-	1.00	0.69	0.55	-							
		°T	18	16	13	-	18	16	13	-	18	17	13	-	18	16	13	-	18	16	13	-	19	17	14	-							
		kW	0.68	0.68	0.68	-	0.78	0.78	0.78	-	0.88	0.88	0.88	-	0.99	0.99	0.99	-	1.12	1.12	1.12	-	1.27	1.26	1.26	-							
		Amps	3.7	3.7	3.7	-	4.1	4.1	4.1	-	4.6	4.6	4.6	-	5.1	5.1	5.1	-	5.6	5.6	5.6	-	6.3	6.3	6.3	-							
		Hi PR	226	227	229	-	262	263	264	-	299	300	301	-	339	340	342	-	382	383	385	-	429	430	431	-							
70	580	LoPR	125	127	130	-	133	134	137	-	139	141	144	-	145	147	150	-	151	152	155	-	157	159	162	-							
		MBh	17.4	17.6	18.2	-	17.2	17.5	18.0	-	16.8	17.0	17.6	-	16.0	16.3	16.8	-	15.1	15.3	15.8	-	14.2	14.5	15.0	-							
		S/T	0.69	0.61	0.47	-	0.69	0.62	0.48	-	0.72	0.64	0.50	-	1.00	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.74	0.60	-							
		°T	17	16	12	-	17	15	12	-	17	16	13	-	17	15	12	-	17	15	12	-	18	16	13	-							
		kW	0.69	0.69	0.69	-	0.78	0.78	0.78	-	0.88	0.88	0.88	-	1.00	1.00	0.99	-	1.12	1.12	1.12	-	1.27	1.27	1.27	-							
		Amps	3.8	3.8	3.8	-	4.2	4.2	4.2	-	4.6	4.6	4.6	-	5.1	5.1	5.1	-	5.6	5.6	5.6	-	6.3	6.3	6.3	-							
70	640	Hi PR	228	229	230	-	263	264	266	-	300	301	303	-	341	342	343	-	384	385	386	-	430	431	433	-							
		LoPR	127	128	131	-	134	136	139	-	141	142	146	-	147	148	151	-	152	154	157	-	159	160	164	-							
		MBh	17.6	17.9	18.4	-	17.5	17.7	18.2	-	17.0	17.3	17.8	-	16.2	16.5	17.0	-	15.3	15.5	16.1	-	14.4	14.7	15.2	-							
		S/T	0.72	0.64	0.50	-	0.72	0.65	0.51	-	0.75	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.71	0.57	-	1.00	0.77	0.63	-							
		°T	17	15	12	-	16	15	12	-	17	15	12	-	16	15	12	-	16	15	11	-	17	16	12	-							
		kW	0.69	0.69	0.69	-	0.78	0.78	0.78	-	0.89	0.89	0.89	-	1.00	1.00	1.00	-	1.13	1.13	1.12	-	1.27	1.27	1.27	-							
640	Amps	3.8	3.8	3.8	-	4.2	4.2	4.2	-	4.6	4.6	4.6	-	5.1	5.1	5.1	-	5.7	5.7	5.7	-	6.3	6.3	6.3	-								
	Hi PR	229	230	232	-	265	266	267	-	302	303	305	-	342	343	345	-	385	386	388	-	432	433	434	-								
	LoPR	128	130	133	-	136	137	141	-	143	144	147	-	148	150	153	-	154	155	158	-	161	162	165	-								

75	MBh	17.2	17.5	18.0	18.8	17.1	17.3	17.8	18.6	16.6	16.9	17.4	18.2	15.8	16.1	16.6	17.4	14.9	15.1	15.7	16.4	14.0	14.3	14.8	15.6
	S/T	0.77	0.69	0.55	0.41	0.78	0.70	0.56	0.41	1.00	0.73	0.59	0.44	1.00	0.75	0.61	0.46	1.00	0.77	0.63	0.48	1.00	1.00	0.68	0.53
	?T	22	20	17	14	22	20	17	14	22	20	17	14	22	20	17	14	21	20	17	13	23	21	18	14
	kW	0.68	0.68	0.68	0.69	0.78	0.78	0.77	0.78	0.88	0.88	0.88	0.89	0.99	0.99	0.99	1.00	1.12	1.12	1.12	1.12	1.26	1.26	1.26	1.27
	Amps	3.7	3.7	3.7	3.8	4.1	4.1	4.1	4.2	4.6	4.6	4.6	4.6	5.1	5.1	5.1	5.1	5.6	5.6	5.6	5.6	6.3	6.3	6.3	6.3
	Hi PR	226	227	229	233	262	263	264	268	299	300	302	306	339	340	342	346	383	384	385	389	429	430	431	435
580	Lo PR	125	127	130	135	133	134	137	143	139	141	144	149	145	147	150	155	151	152	155	161	157	159	162	167
	MBh	17.4	17.7	18.2	18.9	17.3	17.5	18.0	18.8	16.8	17.0	17.6	18.3	16.0	16.3	16.8	17.6	15.1	15.3	15.8	16.6	14.2	14.5	15.0	15.8
	S/T	0.82	0.74	0.60	0.45	1.00	0.75	0.61	0.46	1.00	0.77	0.63	0.49	1.00	0.79	0.65	0.51	1.00	0.82	0.68	0.53	1.00	1.00	0.73	0.58
	?T	21	19	16	13	21	19	16	13	21	19	16	13	21	19	16	13	21	19	16	13	22	20	17	14
	kW	0.69	0.69	0.69	0.69	0.78	0.78	0.78	0.79	0.88	0.88	0.88	0.89	1.00	1.00	0.99	1.00	1.12	1.12	1.12	1.13	1.27	1.27	1.27	1.27
	Amps	3.8	3.8	3.7	3.8	4.2	4.2	4.2	4.2	4.6	4.6	4.6	4.6	5.1	5.1	5.1	5.1	5.6	5.6	5.6	5.7	6.3	6.3	6.3	6.3
640	Hi PR	228	229	230	234	263	264	266	270	301	302	303	307	341	342	343	347	384	385	387	391	430	431	433	437
	Lo PR	127	128	131	137	134	136	139	144	141	142	146	151	147	148	151	157	152	154	157	162	159	161	164	169
	MBh	17.6	17.9	18.4	19.2	17.5	17.7	18.2	19.0	17.0	17.3	17.8	18.6	16.3	16.5	17.0	17.8	15.3	15.6	16.1	16.9	14.5	14.7	15.2	16.0
	S/T	0.85	0.77	0.63	0.49	1.00	0.78	0.64	0.49	1.00	0.80	0.67	0.52	1.00	0.83	0.69	0.54	1.00	1.00	0.71	0.56	1.00	1.00	0.76	0.61
	?T	20	19	15	12	20	18	15	12	20	19	16	12	20	18	15	12	20	18	15	12	21	19	16	13
	kW	0.69	0.69	0.69	0.70	0.78	0.78	0.78	0.79	0.89	0.89	0.89	0.89	1.00	1.00	1.00	1.00	1.13	1.12	1.12	1.13	1.27	1.27	1.27	1.28
640	Amps	3.8	3.8	3.8	3.8	4.2	4.2	4.2	4.2	4.6	4.6	4.6	4.6	5.1	5.1	5.1	5.1	5.7	5.7	5.7	5.7	6.3	6.3	6.3	6.3
	Hi PR	229	230	232	236	265	266	267	271	302	303	305	309	342	343	345	349	386	387	388	392	432	433	434	438
	Lo PR	128	130	133	138	136	137	141	146	143	144	147	153	148	150	153	158	154	155	158	164	161	162	165	171

IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.
kW = Total system power
Amps = outdoor unit amps (comp.+fan)

PERFORMANCE DATA

70% LOW CAPACITY - DX20VC0241A*

70%

2/26/2014

DX20VC0241A* / CA*F3642*6D* + MBVC1200**1A**TXV

		Outdoor Ambient Temperature																																															
		65°F								75°F								85°F								95°F								105°F								115°F							
		Entering Indoor Wet Bulb Temperature																																															
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																				
520	MBh	17.3	17.5	18.1	18.8	17.2	17.4	17.9	18.7	16.7	16.9	17.5	18.2	15.9	16.2	16.7	17.5	15.0	15.2	15.7	16.5	14.1	14.4	14.9	15.7																								
	S/T	1.00	0.82	0.68	0.53	1.00	0.83	0.69	0.54	1.00	0.85	0.71	0.57	1.00	1.00	0.73	0.59	1.00	1.00	0.76	0.61	1.00	1.00	0.81	0.66	1.00	1.00	0.81	0.66																				
	7T	26	24	21	17	25	24	21	17	26	24	21	18	25	24	21	17	25	24	20	17	26	25	21	18																								
	kW	0.68	0.68	0.68	0.69	0.78	0.78	0.77	0.78	0.88	0.88	0.88	0.89	0.99	0.99	0.99	1.00	1.12	1.12	1.12	1.12	1.27	1.26	1.26	1.27																								
	Amps	3.7	3.7	3.7	3.8	4.1	4.1	4.1	4.2	4.6	4.6	4.6	4.6	5.1	5.1	5.1	5.1	5.6	5.6	5.6	5.7	6.3	6.3	6.3	6.3																								
	Hi PR	227	228	229	233	262	263	265	269	300	300	302	306	340	340	341	342	346	383	384	386	389	429	430	432	436																							
580	Lo PR	126	127	130	136	133	135	138	143	140	141	145	150	146	147	150	156	151	153	156	161	158	160	163	168																								
	MBh	17.5	17.7	18.3	19.0	17.3	17.6	18.1	18.9	16.9	17.1	17.6	18.4	16.1	16.4	16.9	17.7	15.2	15.4	15.9	16.7	14.3	14.6	15.1	15.9																								
	S/T	1.00	0.87	0.73	0.58	1.00	0.88	0.74	0.59	1.00	0.90	0.76	0.62	1.00	1.00	0.78	0.64	1.00	1.00	0.81	0.66	1.00	1.00	0.86	0.71																								
	7T	25	23	20	17	25	23	20	17	25	23	20	17	25	23	20	17	24	23	20	16	25	24	21	17																								
	kW	0.69	0.69	0.69	0.69	0.78	0.78	0.78	0.79	0.88	0.88	0.88	0.89	1.00	1.00	0.99	1.00	1.12	1.12	1.12	1.13	1.27	1.27	1.27	1.27																								
	Amps	3.8	3.8	3.8	3.8	4.2	4.2	4.2	4.2	4.6	4.6	4.6	4.6	5.1	5.1	5.1	5.1	5.6	5.6	5.6	5.7	6.3	6.3	6.3	6.3																								
640	Hi PR	228	229	231	235	264	265	266	270	301	302	304	308	341	342	344	348	385	386	387	391	431	432	433	437																								
	Lo PR	127	129	132	137	135	136	140	145	141	143	146	152	147	149	152	157	153	154	157	163	160	161	164	170																								
	MBh	17.7	18.0	18.5	19.3	17.6	17.8	18.3	19.1	17.1	17.4	17.9	18.7	16.3	16.6	17.1	17.9	15.4	15.6	16.2	16.9	14.5	14.8	15.3	16.1																								
	S/T	1.00	0.90	0.76	0.61	1.00	0.91	0.77	0.62	1.00	0.93	0.79	0.65	1.00	1.00	0.81	0.67	1.00	1.00	0.84	0.69	1.00	1.00	0.89	0.74																								
	7T	24	22	19	16	24	22	19	16	24	22	19	16	24	22	19	16	24	22	19	16	25	23	20	17																								
	kW	0.69	0.69	0.69	0.70	0.78	0.78	0.78	0.79	0.89	0.89	0.89	0.89	1.00	1.00	1.00	1.01	1.13	1.12	1.12	1.13	1.27	1.27	1.27	1.28																								
80	Amps	3.8	3.8	3.8	3.8	4.2	4.2	4.2	4.2	4.6	4.6	4.6	4.7	5.1	5.1	5.1	5.1	5.7	5.7	5.7	5.7	6.3	6.3	6.3	6.3																								
	Hi PR	230	231	232	236	265	266	268	272	303	304	305	309	343	344	345	349	386	387	389	393	432	433	435	439																								
	Lo PR	129	130	134	139	136	138	141	147	143	145	148	153	149	150	153	159	154	156	159	164	161	163	166	171																								

520	MBh	17.6	17.8	18.4	19.1	17.4	17.7	18.2	19.0	17.0	17.2	17.7	18.5	16.2	16.5	17.0	17.8	15.3	15.5	16.0	16.8	14.4	14.7	15.2	16.0
	S/T	1.00	0.93	0.79	0.64	1.00	1.00	0.79	0.65	1.00	1.00	0.82	0.67	1.00	1.00	0.84	0.69	1.00	1.00	0.86	0.71	1.00	1.00	1.00	0.77
	7T	29	27	24	21	29	27	24	21	29	27	24	21	29	27	24	21	29	27	24	20	30	28	25	21
	kW	0.69	0.69	0.68	0.69	0.78	0.78	0.78	0.78	0.88	0.88	0.88	0.89	0.99	0.99	0.99	1.00	1.12	1.12	1.12	1.12	1.27	1.27	1.26	1.27
	Amps	3.8	3.7	3.7	3.8	4.2	4.2	4.1	4.2	4.6	4.6	4.6	4.6	5.1	5.1	5.1	5.1	5.6	5.6	5.6	5.7	6.3	6.3	6.3	6.3
	Hi PR	228	229	230	234	263	264	266	270	301	302	303	307	341	342	343	347	384	385	387	391	430	431	433	437
580	Lo PR	128	129	132	138	135	137	140	145	142	143	147	152	147	149	152	157	153	155	158	163	160	161	165	170
	MBh	17.8	18.0	18.5	19.3	17.6	17.9	18.4	19.2	17.2	17.4	17.9	18.7	16.4	16.7	17.2	18.0	15.5	15.7	16.2	17.0	14.6	14.9	15.4	16.1
	S/T	1.00	0.98	0.84	0.69	1.00	1.00	0.84	0.69	1.00	1.00	0.87	0.72	1.00	1.00	0.89	0.74	1.00	1.00	1.00	0.76	1.00	1.00	1.00	0.82
	7T	28	26	23	20	28	26	23	20	28	26	23	20	28	26	23	20	28	26	23	20	29	27	24	21
	kW	0.69	0.69	0.69	0.69	0.78	0.78	0.78	0.79	0.89	0.89	0.88	0.89	1.00	1.00	1.00	1.00	1.12	1.12	1.12	1.13	1.27	1.27	1.27	1.28
	Amps	3.8	3.8	3.8	3.8	4.2	4.2	4.2	4.2	4.6	4.6	4.6	4.6	5.1	5.1	5.1	5.1	5.7	5.7	5.6	5.7	6.3	6.3	6.3	6.3
640	Hi PR	229	230	232	236	265	266	267	271	302	303	305	309	342	343	345	349	386	387	388	392	432	433	434	438
	Lo PR	129	131	134	139	137	138	141	147	143	145	148	153	149	151	154	159	154	156	159	165	161	163	166	171
	MBh	18.0	18.2	18.8	19.5	17.9	18.1	18.6	19.4	17.4	17.6	18.2	18.9	16.6	16.9	17.4	18.2	15.7	15.9	16.4	17.2	14.8	15.1	15.6	16.4
	S/T	1.00	1.00	0.87	0.72	1.00	1.00	0.87	0.73	1.00	1.00	0.90	0.75	1.00	1.00	0.92	0.77	1.00	1.00	1.00	0.79	1.00	1.00	1.00	0.85
	7T	27	26	22	19	27	26	22	19	27	26	23	19	27	26	22	19	27	25	22	19	28	26	23	20
	kW	0.69	0.69	0.69	0.70	0.79	0.79	0.78	0.79	0.89	0.89	0.89	0.89	1.00	1.00	1.00	1.01	1.13	1.13	1.13	1.13	1.27	1.27	1.27	1.28
85	Amps	3.8	3.8	3.8	3.8	4.2	4.2	4.2	4.2	4.6	4.6	4.6	4.7	5.1	5.1	5.1	5.1	5.7	5.7	5.7	5.7	6.3	6.3	6.3	6.3
	Hi PR	231	232	233	237	266	267	269	273	304	305	306	310	344	345	346	350	387	388	390	394	433	434	436	440
	Lo PR	131	132	135	141	138	140	143	148	145	147	150	155	151	152	155	161	156	158	161	166	163	165	168	173

PERFORMANCE DATA

70% LOW CAPACITY - DX20VC0361A*

DX20VC0361A* / CA*F3743*6D* + MBVC1600**1A* + TXV																														70%										2/26/2014									
										Outdoor Ambient Temperature																																							
										65°F					75°F															85°F					95°F					105°F					115°F				
IDB	Airflow	59	63	67	71	71	59	63	67	71	71	59	63	67	71	71	59	63	67	71	71	59	63	67	71	59	63	67	71	71																			
70	850	MBh	25.2	25.6	26.3	-	-	25.0	25.3	26.1	-	-	24.3	24.7	25.4	-	-	23.2	23.5	24.3	-	-	21.8	22.2	22.9	-	20.6	20.9	21.7	-	-																		
		S/T	0.64	0.56	0.42	-	-	0.65	0.57	0.43	-	-	0.67	0.60	0.46	-	-	1.00	0.62	0.48	-	-	1.00	0.64	0.50	-	1.00	0.69	0.55	-	-																		
		7T	18	16	13	-	-	18	16	13	-	-	18	16	13	-	-	18	16	13	-	-	18	16	13	-	19	17	14	-	-																		
		kW	1.15	1.15	1.15	-	-	1.30	1.30	1.30	-	-	1.47	1.47	1.46	-	-	1.65	1.65	1.64	-	-	1.85	1.85	1.85	-	2.09	2.09	2.08	-	-																		
		Amps	5.4	5.4	5.4	-	-	6.0	6.0	6.0	-	-	6.8	6.8	6.8	-	-	7.6	7.6	7.5	-	-	8.4	8.4	8.4	-	9.5	9.5	9.5	-	-																		
	Hi-PR	239	240	242	-	-	276	277	279	-	-	316	317	319	-	-	358	359	361	-	-	404	405	407	-	453	454	456	-	-																			
	Lo-PR	128	130	133	-	-	136	138	141	-	-	143	144	148	-	-	148	150	153	-	-	154	156	159	-	161	163	166	-	-																			
	940	MBh	25.5	25.8	26.6	-	-	25.2	25.6	26.3	-	-	24.6	24.9	25.7	-	-	23.4	23.8	24.6	-	-	22.1	22.4	23.2	-	20.8	21.2	21.9	-	-																		
		S/T	0.69	0.61	0.47	-	-	0.69	0.62	0.48	-	-	1.00	0.64	0.50	-	-	1.00	0.66	0.52	-	-	1.00	0.68	0.54	-	1.00	1.00	0.60	-	-																		
		7T	17	16	12	-	-	17	15	12	-	-	17	16	13	-	-	17	15	12	-	-	17	15	12	-	18	16	13	-	-																		
kW		1.16	1.15	1.15	-	-	1.31	1.30	1.30	-	-	1.47	1.47	1.47	-	-	1.65	1.65	1.65	-	-	1.86	1.86	1.85	-	2.09	2.09	2.09	-	-																			
Amps		5.4	5.4	5.4	-	-	6.1	6.1	6.1	-	-	6.8	6.8	6.8	-	-	7.6	7.6	7.6	-	-	8.5	8.5	8.4	-	9.5	9.5	9.5	-	-																			
1030	Hi-PR	240	241	243	-	-	278	279	281	-	-	317	318	320	-	-	360	361	363	-	-	406	407	408	-	454	455	457	-	-																			
	Lo-PR	130	131	134	-	-	137	139	142	-	-	144	146	149	-	-	150	152	155	-	-	156	157	160	-	163	164	168	-	-																			
	MBh	25.8	26.1	26.9	-	-	25.5	25.9	26.6	-	-	24.9	25.2	26.0	-	-	23.7	24.1	24.9	-	-	22.4	22.7	23.5	-	21.1	21.5	22.2	-	-																			
	S/T	0.72	0.64	0.50	-	-	0.72	0.64	0.50	-	-	1.00	0.67	0.53	-	-	1.00	0.69	0.55	-	-	1.00	0.71	0.57	-	1.00	1.00	0.63	-	-																			
	7T	17	15	12	-	-	17	15	12	-	-	17	15	12	-	-	16	15	12	-	-	16	15	11	-	17	16	12	-	-																			
75	850	kW	1.16	1.16	1.16	-	-	1.31	1.31	1.31	-	-	1.48	1.48	1.47	-	-	1.66	1.66	1.66	-	-	1.86	1.86	1.86	-	2.10	2.10	2.09	-	-																		
		Amps	5.4	5.4	5.4	-	-	6.1	6.1	6.1	-	-	6.8	6.8	6.8	-	-	7.6	7.6	7.6	-	-	8.5	8.5	8.5	-	9.5	9.5	9.5	-	-																		
		Hi-PR	239	240	242	-	-	277	278	279	284	284	316	317	319	323	323	358	360	361	365	365	404	405	407	411	453	454	456	460	460																		
		Lo-PR	128	130	133	138	138	136	138	138	141	146	143	144	148	153	153	149	150	153	159	159	154	156	159	164	161	163	166	172	172																		
		MBh	25.5	25.8	26.6	27.7	27.7	25.2	25.6	26.4	27.5	27.5	24.6	24.9	25.7	26.8	26.8	23.5	23.8	24.6	25.7	25.7	22.1	22.4	23.2	24.3	20.8	21.2	21.9	23.1	23.1																		
	940	S/T	0.82	0.74	0.60	0.45	0.45	1.00	0.75	0.61	0.46	0.46	1.00	0.77	0.63	0.49	0.49	1.00	0.79	0.65	0.51	0.51	1.00	1.00	0.68	0.53	1.00	1.00	0.73	0.58	0.58																		
		7T	21	19	16	13	13	21	19	16	13	13	21	19	16	13	13	21	19	16	13	13	21	19	16	13	22	20	17	14	14																		
		kW	1.16	1.15	1.15	1.16	1.16	1.30	1.30	1.30	1.30	1.31	1.47	1.47	1.47	1.48	1.48	1.65	1.65	1.65	1.66	1.66	1.86	1.85	1.85	1.86	2.09	2.09	2.09	2.10	2.10																		
		Amps	5.4	5.4	5.4	5.4	5.4	6.1	6.1	6.0	6.1	6.1	6.8	6.8	6.8	6.8	6.8	7.6	7.6	7.6	7.6	7.6	8.5	8.5	8.4	8.5	9.5	9.5	9.5	9.5	9.5																		
		Hi-PR	241	242	243	247	247	278	279	281	285	285	318	319	320	324	324	360	361	363	367	367	406	407	408	413	455	456	457	461	461																		
	1030	Lo-PR	130	131	134	140	140	137	139	142	148	148	144	146	149	154	154	150	152	155	160	160	156	157	160	166	163	164	168	173	173																		
		MBh	25.8	26.1	26.9	28.0	28.0	25.5	25.9	26.7	27.8	27.8	24.9	25.2	26.0	27.1	27.1	23.8	24.1	24.9	26.0	26.0	22.4	22.7	23.5	24.6	21.1	21.5	22.2	23.4	23.4																		
		S/T	0.85	0.77	0.63	0.48	0.48	1.00	0.78	0.64	0.49	0.49	1.00	0.80	0.66	0.52	0.52	1.00	0.82	0.68	0.54	0.54	1.00	1.00	0.71	0.56	1.00	1.00	0.76	0.61	0.61																		
		7T	20	19	15	12	12	20	19	15	12	12	20	19	16	12	12	20	19	15	12	12	20	18	15	12	21	19	16	13	13																		
	kW	1.16	1.16	1.16	1.17	1.17	1.31	1.31	1.31	1.32	1.32	1.48	1.48	1.48	1.47	1.48	1.66	1.66	1.65	1.67	1.67	1.86	1.86	1.86	1.87	2.10	2.10	2.09	2.11	2.11																			
	Amps	5.4	5.4	5.4	5.5	5.5	6.1	6.1	6.1	6.1	6.1	6.8	6.8	6.8	6.8	6.8	7.6	7.6	7.6	7.6	7.6	8.5	8.5	8.5	8.5	9.5	9.5	9.5	9.5	9.5																			
	Hi-PR	242	243	245	249	249	280	281	282	287	287	319	320	322	326	326	362	363	364	368	368	407	408	410	414	456	457	459	463	463																			
	Lo-PR	131	133	136	141	141	139	141	144	149	149	146	147	151	156	156	152	153	156	162	162	157	159	162	167	164	166	169	175	175																			
	IDB: Entering Indoor Dry Bulb Temperature																																																
High and low pressures are measured at the liquid and suction service valves.																																																	
Shaded area reflects ACCA (TVA) conditions																																																	
Amps = outdoor unit amps (comp.+fan) kW = Total system power																																																	

PERFORMANCE DATA

70% LOW CAPACITY - DX20VC0361A*

70%

2/26/2014

DX20VC0361A* / CA*F3743*6D* + MBVC1600**1A* + TXV

		Outdoor Ambient Temperature																															
		65°F					75°F					85°F					95°F					105°F					115°F						
IDB	Airflow	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75		
80	850	MBh	25.3	25.7	26.5	27.6	27.9	25.4	25.7	26.5	27.6	27.9	25.4	25.7	26.5	27.6	27.9	25.4	25.7	26.5	27.6	27.9	25.4	25.7	26.5	27.6	27.9	25.4	25.7	26.5	27.6	27.9	
		S/T	1.00	0.83	0.69	0.54	0.58	1.00	0.83	0.69	0.55	0.58	1.00	0.83	0.69	0.55	0.58	1.00	0.83	0.69	0.55	0.58	1.00	0.83	0.69	0.55	0.58	1.00	0.83	0.69	0.55	0.58	
		?T	25	24	21	17	17	25	24	21	17	17	25	24	21	17	17	25	24	21	17	17	25	24	21	17	17	25	24	21	17	17	
		kW	1.15	1.15	1.15	1.16	1.30	1.30	1.30	1.30	1.31	1.31	1.30	1.30	1.30	1.30	1.31	1.31	1.30	1.30	1.30	1.30	1.31	1.31	1.30	1.30	1.30	1.31	1.31	1.30	1.30	1.31	1.31
		Amps	5.4	5.4	5.4	5.4	6.0	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.1	6.1
		Hi PR	239	241	242	246	246	277	278	280	284	284	316	318	319	323	323	359	360	362	366	366	405	406	407	412	412	453	454	456	460	460	460
80	940	Lo PR	129	130	134	139	141	137	138	141	147	143	145	148	154	154	149	151	154	159	159	155	156	160	165	165	162	163	167	172	172	172	172
		MBh	25.6	26.0	26.7	27.9	27.9	25.4	25.7	26.5	27.6	27.9	25.4	25.7	26.5	27.6	27.9	25.4	25.7	26.5	27.6	27.9	25.4	25.7	26.5	27.6	27.9	25.4	25.7	26.5	27.6	27.9	
		S/T	1.00	0.87	0.73	0.58	0.58	1.00	0.88	0.74	0.59	1.00	0.88	0.74	0.59	1.00	0.88	0.74	0.59	1.00	0.88	0.74	0.59	1.00	0.88	0.74	0.59	1.00	0.88	0.74	0.59	1.00	0.88
		?T	25	23	20	17	17	25	23	20	17	25	23	20	17	25	23	20	17	25	23	20	17	24	23	20	16	25	24	21	17	25	24
		kW	1.16	1.15	1.15	1.16	1.16	1.31	1.30	1.30	1.31	1.31	1.30	1.30	1.30	1.31	1.31	1.30	1.30	1.30	1.31	1.31	1.30	1.30	1.30	1.31	1.31	1.30	1.30	1.30	1.31	1.31	1.31
		Amps	5.4	5.4	5.4	5.4	5.4	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.1	6.1
		Hi PR	241	242	244	248	248	279	280	281	285	318	319	321	325	325	360	361	363	367	367	406	407	409	413	413	455	456	458	462	462	462	462
		Lo PR	130	132	135	140	140	138	140	143	148	145	146	150	155	155	151	152	155	161	161	156	158	161	166	166	163	165	168	174	174	174	174
		MBh	25.9	26.3	27.0	28.2	28.2	25.7	26.0	26.8	27.9	27.9	25.0	25.4	26.1	27.3	27.3	23.9	24.2	25.0	26.1	26.1	22.5	22.9	23.6	24.8	21.3	21.6	22.4	23.5	23.5	23.5	23.5
		S/T	1.00	0.90	0.76	0.61	0.61	1.00	0.91	0.77	0.62	1.00	0.91	0.77	0.62	1.00	0.91	0.81	0.81	0.81	0.81	0.81	1.00	1.00	0.84	0.69	1.00	1.00	1.00	0.74	0.74	0.74	0.74
		?T	24	22	19	16	16	24	22	19	16	24	22	19	16	24	22	19	16	24	22	19	24	22	19	16	25	23	20	17	25	23	20
		kW	1.16	1.16	1.16	1.17	1.17	1.31	1.31	1.31	1.32	1.32	1.48	1.48	1.47	1.49	1.49	1.66	1.66	1.66	1.66	1.67	1.86	1.86	1.86	1.87	2.10	2.10	2.09	2.11	2.11	2.11	2.11
	1030	Amps	5.4	5.4	5.4	5.5	5.5	6.1	6.1	6.1	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.1	6.1
		Hi PR	243	244	245	249	249	280	281	283	287	320	321	322	326	326	362	363	365	369	369	408	409	410	415	457	458	459	463	463	463	463	463
		Lo PR	132	133	137	142	142	140	141	144	150	150	146	148	151	157	157	152	154	157	162	162	158	159	163	168	165	166	170	175	175	175	175
		MBh	26.0	26.4	27.1	28.3	28.3	25.8	26.2	26.9	28.1	28.1	25.1	25.5	26.3	27.4	27.4	24.0	24.4	25.1	26.3	26.3	22.6	23.0	23.7	24.9	21.4	21.7	22.5	23.6	23.6	23.6	23.6
		S/T	1.00	0.98	0.84	0.69	0.69	1.00	1.00	0.84	0.69	1.00	1.00	0.84	0.69	1.00	1.00	0.89	0.89	0.89	0.89	0.89	1.00	1.00	1.00	0.79	1.00	1.00	1.00	0.85	0.85	0.85	0.85
		?T	27	26	22	19	19	27	26	22	19	27	26	23	19	27	26	22	19	22	19	22	27	25	22	19	28	26	23	20	20	20	20
	850	kW	1.16	1.16	1.16	1.17	1.17	1.31	1.31	1.31	1.32	1.32	1.48	1.48	1.47	1.49	1.49	1.66	1.66	1.66	1.67	1.67	1.86	1.86	1.86	1.87	2.10	2.10	2.09	2.11	2.11	2.11	2.11
		Amps	5.4	5.4	5.4	5.5	5.5	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.1	6.1
		Hi PR	242	243	245	249	249	280	281	282	287	319	320	322	326	326	363	364	366	370	370	409	410	412	416	458	459	460	464	464	464	464	464
		Lo PR	134	135	139	144	144	141	143	146	152	152	148	150	153	159	159	154	156	159	164	164	160	161	165	170	167	168	172	177	177	177	177
		MBh	26.3	26.7	27.4	28.6	28.6	26.1	26.5	27.2	28.4	28.4	25.4	25.8	26.5	27.7	27.7	24.3	24.7	25.4	26.6	26.6	22.9	23.3	24.0	25.2	21.7	22.0	22.8	23.9	23.9	23.9	23.9
		S/T	1.00	0.90	0.76	0.61	0.61	1.00	0.91	0.77	0.62	1.00	0.91	0.77	0.62	1.00	0.91	0.81	0.81	0.81	0.81	0.81	1.00	1.00	1.00	0.79	1.00	1.00	1.00	0.85	0.85	0.85	0.85
	940	?T	24	22	19	16	16	24	22	19	16	24	22	19	16	24	22	19	16	24	22	19	24	22	19	16	25	23	20	17	25	24	
		kW	1.16	1.16	1.16	1.17	1.17	1.31	1.31	1.31	1.32	1.32	1.48	1.48	1.48	1.49	1.49	1.66	1.66	1.66	1.67	1.67	1.86	1.86	1.86	1.87	2.10	2.10	2.09	2.11	2.11	2.11	2.11
		Amps	5.4	5.4	5.4	5.5	5.5	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.1	6.1
		Hi PR	242	243	245	249	249	280	281	282	287	320	321	322	326	326	363	364	366	370	370	409	410	412	416	458	459	460	464	464	464	464	464
		Lo PR	134	135	139	144	144	141	143	146	152	152	148	150	153	159	159	154	156	159	164	164	160	161	165	170	167	168	172	177	177	177	177
		Amps	5.5	5.4	5.4	5.5	5.5	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.1	6.1	6.0	6.0	6.1	6.1

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

PERFORMANCE DATA

70% LOW CAPACITY - DX20VC0481A*

70%																						#####									
DX20VC0481A * / CA * F4961 * 6D * + MBVC2000 * *-1A * + TXV																															
				65°F				75°F				85°F				95°F				105°F				115°F							
		Outdoor Ambient Temperature																													
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71										
70	980	MBh	33.4	33.9	34.9	-	33.1	33.6	34.6	-	32.3	32.7	33.7	-	30.8	31.2	32.2	-	28.9	29.4	30.4	-									
		S/T	0.65	0.57	0.43	-	0.65	0.57	0.43	-	0.68	0.60	0.46	-	1.00	0.62	0.48	-	1.00	0.64	0.50	-									
		°T	19	17	14	-	19	17	14	-	19	17	14	-	19	17	14	-	20	18	15	-									
		kW	1.52	1.52	1.52	-	1.73	1.72	1.72	-	1.95	1.95	1.95	-	2.20	2.19	2.19	-	2.47	2.47	2.46	-									
		Amps	5.9	5.9	5.9	-	6.8	6.8	6.8	-	7.8	7.8	7.8	-	8.8	8.8	8.8	-	10.0	10.0	10.0	-									
	1090	Hi PR	240	241	243	-	278	279	280	-	317	318	320	-	360	361	363	-	406	407	408	-									
		Lo PR	127	129	132	-	135	137	140	-	142	143	147	-	148	149	152	-	153	155	158	-									
		MBh	33.8	34.3	35.3	-	33.5	34.0	35.0	-	32.6	33.1	34.1	-	31.1	31.6	32.6	-	29.3	29.8	30.8	-									
		S/T	0.69	0.61	0.47	-	0.70	0.62	0.48	-	1.00	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.69	0.55	-									
		°T	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	19	17	14	-									
1200	980	kW	1.53	1.53	1.53	-	1.73	1.73	1.73	-	1.96	1.96	1.95	-	2.20	2.20	2.20	-	2.48	2.47	2.47	-									
		Amps	6.0	6.0	5.9	-	6.8	6.8	6.8	-	7.8	7.8	7.8	-	8.9	8.9	8.9	-	10.1	10.1	10.0	-									
		Hi PR	241	242	244	-	279	280	282	-	319	320	322	-	361	362	364	-	407	408	410	-									
		Lo PR	129	130	134	-	137	138	141	-	143	145	148	-	149	151	154	-	155	156	160	-									
		MBh	34.2	34.7	35.7	-	33.9	34.4	35.4	-	33.0	33.5	34.5	-	31.5	32.0	33.0	-	29.7	30.2	31.2	-									
	1090	S/T	0.72	0.64	0.50	-	0.73	0.65	0.51	-	1.00	0.68	0.54	-	1.00	0.70	0.56	-	1.00	0.72	0.58	-									
		°T	17	15	12	-	17	15	12	-	17	16	12	-	17	15	12	-	18	16	13	-									
		kW	1.54	1.54	1.54	-	1.74	1.74	1.74	-	1.97	1.97	1.96	-	2.21	2.21	2.21	-	2.48	2.48	2.48	-									
		Amps	6.0	6.0	6.0	-	6.9	6.9	6.9	-	7.9	7.9	7.8	-	8.9	8.9	8.9	-	10.1	10.1	10.1	-									
		Hi PR	243	244	246	-	281	282	284	-	320	321	323	-	363	364	366	-	409	410	412	-									
Lo PR	131	132	135	-	138	140	143	-	145	147	150	-	151	152	156	-	156	158	161	-											
75	980	MBh	33.5	33.9	34.9	36.4	33.2	33.6	34.6	36.1	32.3	32.8	33.8	35.3	30.8	31.3	32.3	33.8	29.0	29.4	30.4	31.9									
		S/T	0.78	0.70	0.56	0.41	1.00	0.71	0.57	0.42	1.00	0.73	0.59	0.44	1.00	0.75	0.61	0.46	1.00	1.00	0.64	0.49									
		°T	23	21	18	14	23	21	18	14	23	21	18	14	23	21	18	14	22	21	17	14									
		kW	1.52	1.52	1.52	1.53	1.73	1.72	1.72	1.74	1.95	1.95	1.95	1.96	2.19	2.19	2.19	2.20	2.47	2.46	2.46	2.48									
		Amps	5.9	5.9	5.9	6.0	6.8	6.8	6.8	6.9	7.8	7.8	7.8	7.8	8.8	8.8	8.8	8.9	10.0	10.0	10.0	10.1									
	1090	Hi PR	240	241	243	247	278	279	281	285	317	318	320	324	360	361	363	367	406	407	409	413									
		Lo PR	127	129	132	138	135	137	140	145	142	144	147	152	148	149	152	158	153	155	158	163									
		MBh	33.8	34.3	35.3	36.8	33.5	34.0	35.0	36.5	32.6	33.1	34.1	35.6	31.1	31.6	32.6	34.1	29.3	29.8	30.8	32.3									
		S/T	0.83	0.75	0.61	0.46	1.00	0.76	0.61	0.47	1.00	0.78	0.64	0.49	1.00	0.80	0.66	0.51	1.00	1.00	0.68	0.53									
		°T	22	20	17	13	22	20	17	13	22	20	17	13	22	20	17	13	22	20	17	13									
1200	kW	1.53	1.53	1.53	1.54	1.73	1.73	1.73	1.74	1.96	1.96	1.95	1.97	2.20	2.20	2.20	2.21	2.47	2.47	2.47	2.48										
	Amps	6.0	6.0	5.9	6.0	6.8	6.8	6.8	6.9	7.8	7.8	7.8	7.9	8.9	8.9	8.9	8.9	10.1	10.1	10.0	10.1										
	Hi PR	242	243	244	249	279	280	282	286	319	320	322	326	362	363	364	369	408	409	410	414										
	Lo PR	129	131	134	139	137	138	141	147	143	145	148	154	149	151	154	159	155	156	160	165										
	MBh	34.2	34.7	35.7	37.2	33.9	34.4	35.4	36.9	33.1	33.5	34.5	36.1	31.6	32.0	33.0	34.6	29.7	30.2	31.2	32.7										
75	980	S/T	0.86	0.78	0.64	0.49	1.00	0.79	0.64	0.50	1.00	0.81	0.67	0.52	1.00	0.83	0.69	0.54	1.00	1.00	0.71	0.56									
		°T	21	19	16	13	21	19	16	13	21	20	16	13	21	19	16	13	21	19	16	12									
		kW	1.54	1.54	1.53	1.55	1.74	1.74	1.74	1.75	1.97	1.96	1.96	1.98	2.21	2.21	2.20	2.22	2.48	2.48	2.48	2.49									
		Amps	6.0	6.0	6.0	6.0	6.9	6.9	6.9	6.9	7.9	7.8	7.8	7.9	8.9	8.9	8.9	9.0	10.1	10.1	10.1	10.1									
		Hi PR	243	244	246	250	281	282	284	288	321	322	323	328	363	364	366	370	409	410	412	416									
	1200	Lo PR	131	132	135	141	138	140	143	149	145	147	150	155	151	152	156	161	156	158	161	167									
		MBh	34.2	34.7	35.7	37.2	33.9	34.4	35.4	36.9	33.1	33.5	34.5	36.1	31.6	32.0	33.0	34.6	29.7	30.2	31.2	32.7									
		S/T	0.86	0.78	0.64	0.49	1.00	0.79	0.64	0.50	1.00	0.81	0.67	0.52	1.00	0.83	0.69	0.54	1.00	1.00	0.71	0.56									
		°T	21	19	16	13	21	19	16	13	21	20	16	13	21	19	16	13	21	19	16	12									
		kW	1.54	1.54	1.53	1.55	1.74	1.74	1.74	1.75	1.97	1.96	1.96	1.98	2.21	2.21	2.20	2.22	2.48	2.48	2.48	2.49									
75	980	Amps	6.0	6.0	6.0	6.0	6.9	6.9	6.9	6.9	7.9	7.8	7.8	7.9	8.9	8.9	8.9	9.0	10.1	10.1	10.1	10.1									
		Hi PR	243	244	246	250	281	282	284	288	321	322	323	328	363	364	366	370	409	410	412	416									
	1090	Lo PR	131	132	135	141	138	140	143	149	145	147	150	155	151	152	156	161	156	158	161	167									
		MBh	34.2	34.7	35.7	37.2	33.9	34.4	35.4	36.9	33.1	33.5	34.5	36.1	31.6	32.0	33.0	34.6	29.7	30.2	31.2	32.7									
		S/T	0.86	0.78	0.64	0.49	1.00	0.79	0.64	0.50	1.00	0.81	0.67	0.52	1.00	0.83	0.69	0.54	1.00	1.00	0.71	0.56									

IDB: Entering Indoor DryBulb Temperature

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

Shaded area reflects ACCA (TVA) conditions

Amps = outdoor unit amps (comp.+fan)

kW = Total system power

PERFORMANCE DATA

70% LOW CAPACITY - DX20VC0481A*

70%

DX20VC0481A* / CA *F4961*6D* + MBVC2000**-1A* + TXV

#####

		Outdoor Ambient Temperature																															
		65°F				75°F				85°F				95°F				105°F				115°F											
		Entering Indoor/Wet Bulb Temperature																															
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
80	MBh	33.6	34.1	35.1	36.6	33.3	33.8	34.8	36.3	32.5	32.9	33.9	35.4	31.0	31.4	32.4	33.9	29.1	29.6	30.6	32.1	27.5	27.9	28.9	30.4								
	S/T	1.00	0.83	0.69	0.54	1.00	0.84	0.70	0.55	1.00	0.86	0.72	0.57	1.00	1.00	0.74	0.59	1.00	1.00	0.77	0.62	1.00	1.00	0.82	0.67								
	°T	27	25	22	18	27	25	22	18	27	25	22	18	27	25	21	18	26	25	21	18	27	26	22	19								
	kW	1.52	1.52	1.52	1.53	1.73	1.72	1.72	1.74	1.95	1.95	1.95	1.96	2.19	2.19	2.19	2.21	2.47	2.47	2.46	2.48	2.79	2.78	2.78	2.80								
	Amps	5.9	5.9	5.9	6.0	6.8	6.8	6.8	6.9	7.8	7.8	7.8	7.8	8.8	8.8	8.8	8.9	10.0	10.0	10.0	10.1	11.4	11.4	11.4	11.5								
	Hi PR	240	242	243	247	278	279	281	285	318	319	321	325	360	361	363	367	406	407	409	413	455	456	458	462								
1090	Lo PR	128	130	133	138	136	137	141	146	142	144	147	153	148	150	153	158	154	155	159	164	161	162	166	171								
	MBh	34.0	34.5	35.5	37.0	33.7	34.2	35.2	36.7	32.8	33.3	34.3	35.8	31.3	31.8	32.8	34.3	29.5	30.0	31.0	32.5	27.8	28.3	29.3	30.8								
	S/T	1.00	0.88	0.74	0.59	1.00	0.89	0.74	0.60	1.00	1.00	0.77	0.62	1.00	1.00	0.79	0.64	1.00	1.00	0.81	0.67	1.00	1.00	1.00	0.72								
	°T	26	24	21	17	26	24	21	17	26	24	21	18	26	24	21	17	25	24	20	17	27	25	22	18								
	kW	1.53	1.53	1.53	1.54	1.73	1.73	1.73	1.74	1.96	1.96	1.96	1.97	2.20	2.20	2.20	2.21	2.48	2.47	2.47	2.49	2.79	2.79	2.79	2.81								
	Amps	6.0	6.0	5.9	6.0	6.8	6.8	6.8	6.9	7.8	7.8	7.8	7.9	8.9	8.9	8.9	8.9	10.1	10.1	10.1	10.1	11.5	11.4	11.4	11.5								
1200	Hi PR	242	243	245	249	280	281	283	287	319	320	322	326	362	363	365	369	408	409	411	415	457	458	460	464								
	Lo PR	130	131	134	140	137	139	142	147	144	146	149	154	150	151	155	160	155	157	160	166	162	164	167	173								
	MBh	34.4	34.9	35.9	37.4	34.1	34.6	35.6	37.1	33.2	33.7	34.7	36.2	31.7	32.2	33.2	34.7	29.9	30.4	31.4	32.9	28.2	28.7	29.7	31.2								
	S/T	1.00	0.91	0.77	0.62	1.00	0.92	0.78	0.63	1.00	1.00	0.80	0.65	1.00	1.00	0.82	0.67	1.00	1.00	0.84	0.70	1.00	1.00	1.00	0.75								
	°T	25	23	20	17	25	23	20	17	25	23	20	17	25	23	20	17	25	23	20	16	26	24	21	17								
	kW	1.54	1.54	1.53	1.55	1.74	1.74	1.74	1.75	1.97	1.97	1.97	1.98	2.21	2.21	2.21	2.22	2.48	2.48	2.48	2.49	2.80	2.80	2.80	2.81								
85	Amps	6.0	6.0	6.0	6.0	6.9	6.9	6.9	6.9	7.9	7.9	7.8	7.9	8.9	8.9	8.9	9.0	10.1	10.1	10.1	10.1	11.5	11.5	11.5	11.5								
	Hi PR	244	245	246	251	281	283	284	288	321	322	324	328	364	365	366	371	410	411	412	417	459	460	461	466								
	Lo PR	131	133	136	141	139	140	144	149	146	147	150	156	151	153	156	162	157	159	162	167	164	166	169	174								
	MBh	34.2	34.7	35.7	37.2	34.3	34.7	35.7	37.2	33.3	33.7	34.7	36.2	31.7	32.2	33.2	34.7	29.9	30.4	31.4	32.9	28.2	28.7	29.7	31.2								
	S/T	1.00	0.94	0.80	0.65	1.00	1.00	0.88	0.73	1.00	1.00	0.80	0.65	1.00	1.00	0.85	0.70	1.00	1.00	0.84	0.70	1.00	1.00	1.00	0.75								
	°T	29	27	24	21	29	27	24	21	29	27	24	21	29	27	24	21	29	27	24	21	30	28	25	22								
85	kW	1.54	1.54	1.53	1.55	1.74	1.74	1.74	1.75	1.97	1.97	1.97	1.98	2.21	2.21	2.21	2.22	2.48	2.48	2.48	2.49	2.80	2.80	2.80	2.81								
	Amps	6.0	6.0	6.0	6.0	6.9	6.9	6.9	6.9	7.9	7.9	7.8	7.9	8.9	8.9	8.9	9.0	10.1	10.1	10.1	10.1	11.5	11.5	11.5	11.5								
	Hi PR	245	246	248	252	283	284	285	289	322	323	325	329	365	366	368	372	411	412	413	418	460	461	462	467								
	Lo PR	133	135	138	143	141	142	146	151	148	149	152	158	153	155	158	164	159	160	164	169	164	166	169	174								
	MBh	35.0	35.4	36.4	38.0	34.7	35.1	36.1	37.7	33.8	34.3	35.3	36.8	32.3	32.8	33.8	35.3	30.5	30.9	31.9	33.5	28.8	29.3	30.3	31.8								
	S/T	1.00	0.98	0.84	0.69	1.00	1.00	0.89	0.74	1.00	1.00	0.91	0.76	1.00	1.00	0.93	0.78	1.00	1.00	0.77	0.62	1.00	1.00	1.00	0.82								
85	°T	28	27	23	20	28	27	23	20	28	27	23	20	28	27	23	20	28	26	23	20	30	28	25	22								
	kW	1.54	1.54	1.54	1.55	1.75	1.74	1.74	1.76	1.97	1.97	1.97	1.98	2.21	2.21	2.21	2.22	2.49	2.48	2.48	2.50	2.81	2.80	2.80	2.82								
	Amps	6.0	6.0	6.0	6.1	6.9	6.9	6.9	6.9	7.9	7.9	7.8	7.9	8.9	8.9	8.9	9.0	10.1	10.1	10.1	10.2	11.5	11.5	11.5	11.5								
	Hi PR	246	247	249	253	284	285	286	290	323	324	326	330	366	367	369	373	412	413	414	419	461	462	463	468								
	Lo PR	135	137	140	145	143	144	148	153	150	151	154	160	154	156	159	165	160	161	165	170	165	167	170	175								
	MBh	35.2	35.6	36.6	38.2	34.9	35.3	36.3	37.9	34.1	34.5	35.5	37.0	32.5	33.0	34.0	35.5	30.7	31.1	32.1	33.6	28.4	28.9	29.9	31.4								

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

PERFORMANCE DATA

70% LOW CAPACITY - DX20VC0601A*

DX20VC0601A* / CA*F4961*6D* + MBVC2000**1A* + TXV																						70%		2/26/2014	
		Outdoor Ambient Temperature										105°F					115°F								
		65°F					75°F					85°F					95°F								
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
70	1160	MBh	39.2	39.7	40.9	-	38.8	39.4	40.6	-	37.8	38.4	39.5	-	36.1	36.6	37.8	-	33.9	34.5	35.6	-			
		S/T	0.62	0.55	0.41	-	0.63	0.55	0.42	-	0.66	0.58	0.44	-	0.67	0.60	0.46	-	1.00	0.62	0.48	-			
		7T	19	18	14	-	19	18	14	-	20	18	14	-	19	17	14	-	19	17	14	-			
		kW	1.79	1.79	1.79	-	2.03	2.03	2.02	-	2.29	2.29	2.28	-	2.57	2.57	2.57	-	2.89	2.89	2.89	-			
		Amps	6.9	6.9	6.9	-	7.9	7.9	7.9	-	9.0	9.0	9.0	-	10.3	10.3	10.3	-	11.7	11.7	11.6	-			
	1290	Hi PR	242	243	244	-	280	281	283	-	320	321	322	-	363	364	365	-	409	410	412	-			
		Lo PR	121	123	126	-	128	130	133	-	135	136	139	-	140	142	145	-	146	147	150	-			
		MBh	39.6	40.2	41.3	-	39.3	39.8	41.0	-	38.2	38.8	40.0	-	36.5	37.0	38.2	-	34.3	34.9	36.1	-			
		S/T	0.67	0.59	0.46	-	0.68	0.60	0.46	-	0.70	0.63	0.49	-	0.72	0.64	0.51	-	1.00	0.67	0.53	-			
		7T	19	17	13	-	18	17	13	-	19	17	14	-	18	17	13	-	18	16	13	-			
1420	1290	kW	1.80	1.80	1.80	-	2.04	2.04	2.03	-	2.30	2.30	2.29	-	2.58	2.58	2.58	-	2.90	2.90	2.90	-			
		Amps	6.9	6.9	6.9	-	7.9	7.9	7.9	-	9.1	9.1	9.1	-	10.3	10.3	10.3	-	11.7	11.7	11.7	-			
		Hi PR	243	244	246	-	281	282	284	-	321	322	324	-	364	365	367	-	411	412	413	-			
		Lo PR	122	124	127	-	130	131	134	-	136	138	141	-	142	143	146	-	147	149	152	-			
		MBh	40.1	40.6	41.8	-	39.7	40.3	41.5	-	38.7	39.3	40.4	-	37.0	37.5	38.7	-	34.8	35.4	36.5	-			
	1420	S/T	0.70	0.62	0.49	-	0.71	0.63	0.49	-	0.73	0.65	0.52	-	1.00	0.67	0.54	-	1.00	0.70	0.56	-			
		7T	18	16	13	-	18	16	13	-	18	16	13	-	18	16	12	-	17	16	12	-			
		kW	1.81	1.81	1.80	-	2.05	2.04	2.04	-	2.31	2.31	2.30	-	2.59	2.59	2.59	-	2.91	2.91	2.90	-			
		Amps	7.0	7.0	6.9	-	8.0	8.0	8.0	-	9.1	9.1	9.1	-	10.4	10.4	10.3	-	11.7	11.7	11.7	-			
		Hi PR	245	246	248	-	283	284	286	-	323	324	326	-	366	367	369	-	412	413	415	-			
75	1160	Lo PR	124	126	129	-	131	133	136	-	138	139	142	-	143	145	148	-	149	150	153	-			
		MBh	39.2	39.8	40.9	42.7	38.9	39.4	40.6	42.4	37.8	38.4	39.6	41.3	36.1	36.6	37.8	39.6	33.9	34.5	35.7	37.4			
		S/T	0.75	0.68	0.54	0.40	0.76	0.68	0.55	0.40	1.00	0.71	0.57	0.43	1.00	0.73	0.59	0.45	1.00	0.75	0.61	0.47			
		7T	23	22	18	15	23	21	18	15	24	22	18	15	23	21	18	15	23	21	18	15			
		kW	1.79	1.79	1.79	1.80	2.03	2.02	2.02	2.04	2.29	2.29	2.28	2.30	2.57	2.57	2.57	2.59	2.89	2.89	2.88	2.90			
	1290	Amps	6.9	6.9	6.9	6.9	7.9	7.9	7.9	8.0	9.0	9.0	9.0	9.1	10.3	10.3	10.3	10.3	11.7	11.6	11.6	11.7			
		Hi PR	242	243	245	249	280	281	283	287	320	321	323	327	363	364	366	370	409	410	412	416			
		Lo PR	121	123	126	131	128	130	133	138	135	136	139	145	140	142	145	150	146	147	150	155			
		MBh	39.6	40.2	41.3	43.1	39.3	39.8	41.0	42.8	38.3	38.8	40.0	41.8	36.5	37.1	38.2	40.0	34.4	34.9	36.1	37.9			
		S/T	0.80	0.72	0.59	0.44	0.81	0.73	0.59	0.45	1.00	0.75	0.62	0.47	1.00	0.77	0.64	0.49	1.00	0.80	0.66	0.52			
1420	1290	7T	22	21	17	14	22	21	17	14	23	21	17	14	22	21	17	14	22	20	17	13			
		kW	1.80	1.80	1.79	1.81	2.04	2.03	2.03	2.05	2.30	2.30	2.29	2.31	2.58	2.58	2.59	2.60	2.90	2.90	2.89	2.91			
		Amps	6.9	6.9	6.9	7.0	7.9	7.9	7.9	8.0	9.1	9.1	9.1	9.1	10.3	10.3	10.3	10.4	11.7	11.7	11.7	11.8			
		Hi PR	244	245	246	251	282	283	284	289	322	323	324	328	364	366	367	371	411	412	414	418			
		Lo PR	123	124	127	132	130	131	134	140	136	138	141	146	142	143	146	151	147	149	152	157			
	1420	MBh	40.1	40.7	41.8	43.6	39.8	40.3	41.5	43.3	38.7	39.3	40.5	42.2	37.0	37.5	38.7	40.5	34.8	35.4	36.6	38.3			
		S/T	0.83	0.75	0.62	0.47	0.84	0.76	0.62	0.48	1.00	0.78	0.65	0.50	1.00	0.80	0.67	0.52	1.00	0.83	0.69	0.55			
		7T	22	20	17	13	22	20	16	13	22	20	17	13	22	20	16	13	21	20	16	13			
		kW	1.81	1.81	1.80	1.82	2.04	2.04	2.04	2.06	2.31	2.31	2.30	2.32	2.59	2.59	2.59	2.60	2.91	2.91	2.90	2.92			
		Amps	7.0	6.9	6.9	7.0	8.0	8.0	8.0	8.0	9.1	9.1	9.1	9.2	10.4	10.3	10.3	10.4	11.7	11.7	11.7	11.8			
1420	Hi PR	245	246	248	252	283	284	286	290	323	324	326	330	366	367	369	373	412	413	415	419				
	Lo PR	124	126	129	134	131	133	136	141	138	139	142	148	143	145	148	153	149	150	153	158				
	MBh	39.2	39.8	40.9	42.7	38.9	39.4	40.6	42.4	37.8	38.4	39.6	41.3	36.1	36.6	37.8	39.6	33.9	34.5	35.7	37.4				
	S/T	0.75	0.68	0.54	0.40	0.76	0.68	0.55	0.40	1.00	0.71	0.57	0.43	1.00	0.73	0.59	0.45	1.00	0.75	0.61	0.47				
	7T	23	22	18	15	23	21	18	15	24	22	18	15	23	21	18	15	23	21	18	15				
IDB: Entering Indoor Dry Bulb Temperature																						Shaded area reflects 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			

PERFORMANCE DATA

70% LOW CAPACITY - DX20VC0601A*

70%

2/26/2014

DX20VC0601A* / CA*F4961*6D* + MBVC2000** -1A* + TXV

		Outdoor Ambient Temperature																																															
		65°F								75°F								85°F								95°F								105°F								115°F							
		Entering Indoor/Wet Bulb Temperature																																															
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																				
80	MBh	39.4	40.0	41.1	42.9	39.1	39.6	40.8	42.6	38.0	38.6	39.8	41.5	36.3	36.8	38.0	39.8	34.1	34.7	35.9	37.6	32.2	32.7	33.9	35.7	32.2	32.7	33.9	35.7																				
	S/T	0.88	0.80	0.67	0.52	1.00	0.81	0.67	0.53	1.00	0.83	0.70	0.55	1.00	0.85	0.72	0.57	1.00	1.00	0.74	0.60	1.00	1.00	0.79	0.65	1.00	1.00	0.79	0.65																				
	?T	27	26	22	19	27	25	22	19	28	26	22	19	27	25	22	19	27	25	22	18	28	26	23	19	28	26	23	19																				
	kW	1.79	1.79	1.79	1.80	2.03	2.03	2.02	2.04	2.29	2.29	2.28	2.30	2.57	2.57	2.57	2.59	2.89	2.89	2.89	2.90	3.26	3.26	3.26	3.28	3.26	3.26	3.26	3.28																				
	Amps	6.9	6.9	6.9	6.9	7.9	7.9	7.9	8.0	9.0	9.0	9.0	9.1	10.3	10.3	10.3	10.3	11.7	11.7	11.7	11.6	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3																				
	Hi PR	242	243	245	249	280	281	283	287	320	321	323	327	363	364	366	370	410	411	412	417	459	460	462	466	459	460	462	466																				
	LoPR	122	123	126	131	129	130	134	139	135	137	140	145	141	142	145	151	146	148	151	156	153	154	157	163	153	154	157	163																				
80	MBh	39.8	40.4	41.6	43.3	39.5	40.0	41.2	43.0	38.5	39.0	40.2	42.0	36.7	37.3	38.4	40.2	34.6	35.1	36.3	38.1	32.6	33.1	34.3	36.1	32.6	33.1	34.3	36.1																				
	S/T	1.00	0.85	0.71	0.57	1.00	0.86	0.72	0.58	1.00	0.88	0.74	0.60	1.00	0.90	0.76	0.62	1.00	1.00	0.79	0.64	1.00	1.00	0.84	0.69	1.00	1.00	0.84	0.69																				
	?T	26	25	21	18	26	25	21	18	27	25	22	18	26	25	21	18	26	24	21	17	27	26	22	19	27	26	22	19																				
	kW	1.80	1.80	1.80	1.81	2.04	2.04	2.03	2.05	2.30	2.30	2.29	2.31	2.58	2.58	2.58	2.60	2.90	2.90	2.90	2.91	3.27	3.27	3.27	3.29	3.27	3.27	3.27	3.29																				
	Amps	6.9	6.9	6.9	7.0	7.9	7.9	7.9	8.0	9.1	9.1	9.1	9.1	10.3	10.3	10.3	10.4	11.7	11.7	11.7	11.8	13.3	13.3	13.3	13.4	13.3	13.3	13.3	13.4																				
	Hi PR	244	245	247	251	282	283	285	289	322	323	325	329	365	366	368	372	411	412	414	418	461	462	463	468	461	462	463	468																				
	LoPR	123	125	128	133	130	132	135	140	137	138	141	147	142	144	147	152	148	149	152	157	154	156	159	164	154	156	159	164																				
1420	MBh	40.3	40.9	42.0	43.8	40.0	40.5	41.7	43.5	38.9	39.5	40.7	42.5	37.2	37.7	38.9	40.7	35.0	35.6	36.8	38.5	33.1	33.6	34.8	36.6	33.1	33.6	34.8	36.6																				
	S/T	1.00	0.88	0.74	0.60	1.00	0.89	0.75	0.61	1.00	0.91	0.77	0.63	1.00	1.00	0.79	0.65	1.00	1.00	0.82	0.67	1.00	1.00	0.87	0.72	1.00	1.00	0.87	0.72																				
	?T	26	24	21	17	26	24	20	17	26	24	21	17	26	24	20	17	25	24	20	17	27	27	25	21	27	25	21	18																				
	kW	1.81	1.81	1.80	1.82	2.05	2.04	2.04	2.06	2.31	2.31	2.30	2.32	2.59	2.59	2.59	2.60	2.91	2.91	2.91	2.92	3.28	3.28	3.28	3.29	3.28	3.28	3.28	3.29																				
	Amps	7.0	7.0	6.9	7.0	8.0	8.0	8.0	8.0	9.1	9.1	9.1	9.2	10.4	10.4	10.3	10.4	11.7	11.7	11.7	11.8	13.4	13.4	13.3	13.4	13.4	13.4	13.3	13.4																				
	Hi PR	246	247	248	253	284	285	286	291	324	325	326	331	367	368	369	373	413	414	416	420	462	463	465	469	462	463	465	469																				
	LoPR	125	126	129	134	132	133	137	142	138	140	143	148	144	145	148	154	149	151	154	159	156	157	160	166	156	157	160	166																				

1160	MBh	40.1	40.6	41.8	43.6	39.7	40.3	41.4	43.2	38.7	39.2	40.4	42.2	36.9	37.5	38.7	40.4	34.8	35.3	36.5	38.3	32.8	33.4	34.6	36.3
	S/T	1.00	0.91	0.77	0.62	1.00	0.91	0.78	0.63	1.00	1.00	0.80	0.66	1.00	1.00	0.82	0.68	1.00	1.00	0.84	0.70	1.00	1.00	1.00	0.75
	?T	31	29	26	22	31	29	26	22	31	29	26	22	31	29	26	22	31	29	25	22	32	30	27	23
	kW	1.80	1.79	1.79	1.81	2.03	2.03	2.03	2.04	2.29	2.29	2.29	2.31	2.58	2.58	2.57	2.59	2.90	2.89	2.89	2.91	3.27	3.27	3.26	3.28
	Amps	6.9	6.9	6.9	7.0	7.9	7.9	7.9	8.0	9.1	9.1	9.0	9.1	10.3	10.3	10.3	10.4	11.7	11.7	11.7	11.7	13.3	13.3	13.3	13.4
	HiPR	244	245	246	250	282	283	284	289	321	323	324	328	364	365	367	371	411	412	413	418	460	461	463	467
1290	LoPR	123	125	128	133	131	132	135	140	137	139	142	147	143	144	147	152	148	149	153	158	155	156	159	164
	MBh	40.5	41.0	42.2	44.0	40.1	40.7	41.9	43.6	39.1	39.7	40.8	42.6	37.4	37.9	39.1	40.9	35.2	35.8	36.9	38.7	33.3	33.8	35.0	36.8
	S/T	1.00	0.95	0.82	0.67	1.00	0.96	0.82	0.68	1.00	1.00	0.85	0.70	1.00	1.00	0.87	0.72	1.00	1.00	0.89	0.74	1.00	1.00	1.00	0.80
	?T	30	28	25	21	30	28	25	21	30	28	25	22	30	28	25	21	30	28	25	21	31	29	26	22
	kW	1.81	1.80	1.80	1.82	2.04	2.04	2.04	2.05	2.30	2.30	2.30	2.32	2.59	2.59	2.58	2.60	2.91	2.90	2.90	2.92	3.28	3.28	3.27	3.29
	Amps	6.9	6.9	6.9	7.0	8.0	8.0	7.9	8.0	9.1	9.1	9.1	9.2	10.3	10.3	10.3	10.4	11.7	11.7	11.7	11.8	13.3	13.3	13.3	13.4
1420	HiPR	245	246	248	252	283	284	286	290	323	324	326	330	366	367	369	373	412	413	415	419	462	463	465	469
	LoPR	125	126	129	135	132	134	137	142	139	140	143	148	144	146	149	154	149	151	154	159	156	158	161	166
	MBh	41.0	41.5	42.7	44.5	40.6	41.2	42.3	44.1	39.6	40.2	41.3	43.1	37.9	38.4	39.6	41.4	35.7	36.3	37.4	39.2	33.7	34.3	35.5	37.2
	S/T	1.00	0.98	0.84	0.70	1.00	0.99	0.85	0.71	1.00	1.00	0.88	0.73	1.00	1.00	0.90	0.75	1.00	1.00	0.92	0.77	1.00	1.00	1.00	0.83
	?T	29	27	24	21	29	27	24	21	30	28	24	21	29	27	24	21	29	27	24	20	30	28	25	21
	kW	1.81	1.81	1.81	1.83	2.05	2.05	2.04	2.06	2.31	2.31	2.31	2.32	2.60	2.60	2.59	2.61	2.91	2.91	2.91	2.93	3.29	3.29	3.28	3.30
85	Amps	7.0	7.0	7.0	7.0	8.0	8.0	8.0	8.1	9.1	9.1	9.1	9.2	10.4	10.4	10.4	10.4	11.8	11.8	11.7	11.8	13.4	13.4	13.4	13.4
	HiPR	247	248	249	254	285	286	288	292	325	326	327	332	368	369	370	375	414	415	417	421	463	464	466	470
	LoPR	126	128	131	136	134	135	138	143	140	142	145	150	146	147	150	155	151	152	156	161	158	159	162	167

PERFORMANCE DATA

100% DEMAND

DX20VC0241A* / CA*F3642*6D* + MBVC1200**-1A* + TXV, Design Subcooling @ AHRI 95 °F Conditions, 5-7 °F @ the Serv. Vlv. - 100 % Demand				
Outdoor Temp. °F	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	24,900	16,683	8,217	1,230
80°	24,600	16,750	7,850	1,310
85°	24,300	16,767	7,533	1,400
90°	23,700	16,710	6,990	1,450
95°	23,200	16,472	6,728	1,570
100°	22,500	16,260	6,240	1,670
105°	21,900	15,987	5,913	1,770
110°	21,200	16,020	5,180	1,890
115°	20,700	16,353	4,347	2,010
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	22,400	16,128	6,272	1,580

DX20VC0361A* / CA*F3743*6D* + MBVC1600**-1A* + TXV, Design Subcooling @ AHRI 95 °F Conditions, 5-7 °F @ the Serv. Vlv. - 100 % Demand				
Outdoor Temp. °F	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	36,800	26,496	10,304	2,070
80°	36,400	26,580	9,820	2,200
85°	35,900	26,566	9,334	2,340
90°	35,100	26,470	8,630	2,480
95°	34,300	26,068	8,232	2,620
100°	33,300	25,730	7,570	2,780
105°	32,400	25,272	7,128	2,940
110°	31,400	25,290	6,110	3,130
115°	30,700	25,788	4,912	3,320
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	33,100	25,487	7,613	2,630

DX20VC0481A* / CA*F4961*6D* + MBVC2000**-1A* + TXV, Design Subcooling @ AHRI 95 °F Conditions, 5-7 °F @ the Serv. Vlv. - 100 % Demand				
Outdoor Temp. °F	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	48,900	35,697	13,203	2,750
80°	48,400	35,720	12,680	2,920
85°	47,700	35,775	11,925	3,110
90°	46,700	35,570	11,130	3,270
95°	45,600	35,112	10,488	3,490
100°	44,300	34,580	9,720	3,700
105°	43,100	34,049	9,051	3,930
110°	41,800	33,980	7,820	4,170
115°	40,700	34,188	6,512	4,430
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	44,000	34,320	9,680	3,530

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 the subcooling value shown in the Air Conditioner Specifications.

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 **7 PSIG** of the **HI PR** shown.

A properly operating unit should be within plus or minus **3 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 measured at the liquid and suction service valve ports.

PERFORMANCE DATA

70% DEMAND

DX20VC0241A* / CA*F3642*6D* + MBVC1200**1A* + TXV, Design Subcooling @ AHRI 95 °F Conditions, 5-7 °F @ the Serv. Vlv. - 70 % Demand				
Outdoor Temp. °F	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	18,100	13,394	4,706	780
80°	17,900	13,450	4,450	830
85°	17,600	13,376	4,224	880
90°	17,300	13,400	3,900	940
95°	16,900	13,182	3,718	990
100°	16,400	13,020	3,380	1,060
105°	15,900	12,879	3,021	1,120
110°	15,400	12,800	2,600	1,190
115°	15,100	12,986	2,114	1,270
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	16,300	12,877	3,423	1,000

DX20VC0361A* / CA*F3743*6D* + MBVC1600**1A* + TXV, Design Subcooling @ AHRI 95 °F Conditions, 5-7 °F @ the Serv. Vlv. - 70 % Demand				
Outdoor Temp. °F	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	26,500	19,610	6,890	1,300
80°	26,200	19,690	6,510	1,390
85°	25,800	19,608	6,192	1,470
90°	26,300	19,600	5,700	1,560
95°	24,700	19,266	5,434	1,650
100°	24,000	19,060	4,940	1,750
105°	23,300	18,873	4,427	1,850
110°	22,600	18,730	3,870	1,970
115°	22,100	22,100	0	2,090
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	23,800	18,802	4,998	1,650

DX20VC0481A* / CA*F4961*6D* + MBVC2000**1A* + TXV, Design Subcooling @ AHRI 95 °F Conditions, 5-7 °F @ the Serv. Vlv. - 70 % Demand				
Outdoor Temp. °F	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	35,200	26,048	9,152	1,730
80°	34,800	26,380	8,420	1,840
85°	34,300	26,411	7,889	1,950
90°	33,600	26,260	7,340	2,070
95°	32,800	25,912	6,888	2,200
100°	31,800	25,530	6,270	2,330
105°	31,000	25,110	5,890	2,470
110°	30,000	25,090	4,910	2,620
115°	29,300	29,300	0	2,790
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	31,600	25,280	6,320	2,220

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 the subcooling value shown in the Air Conditioner Specifications.

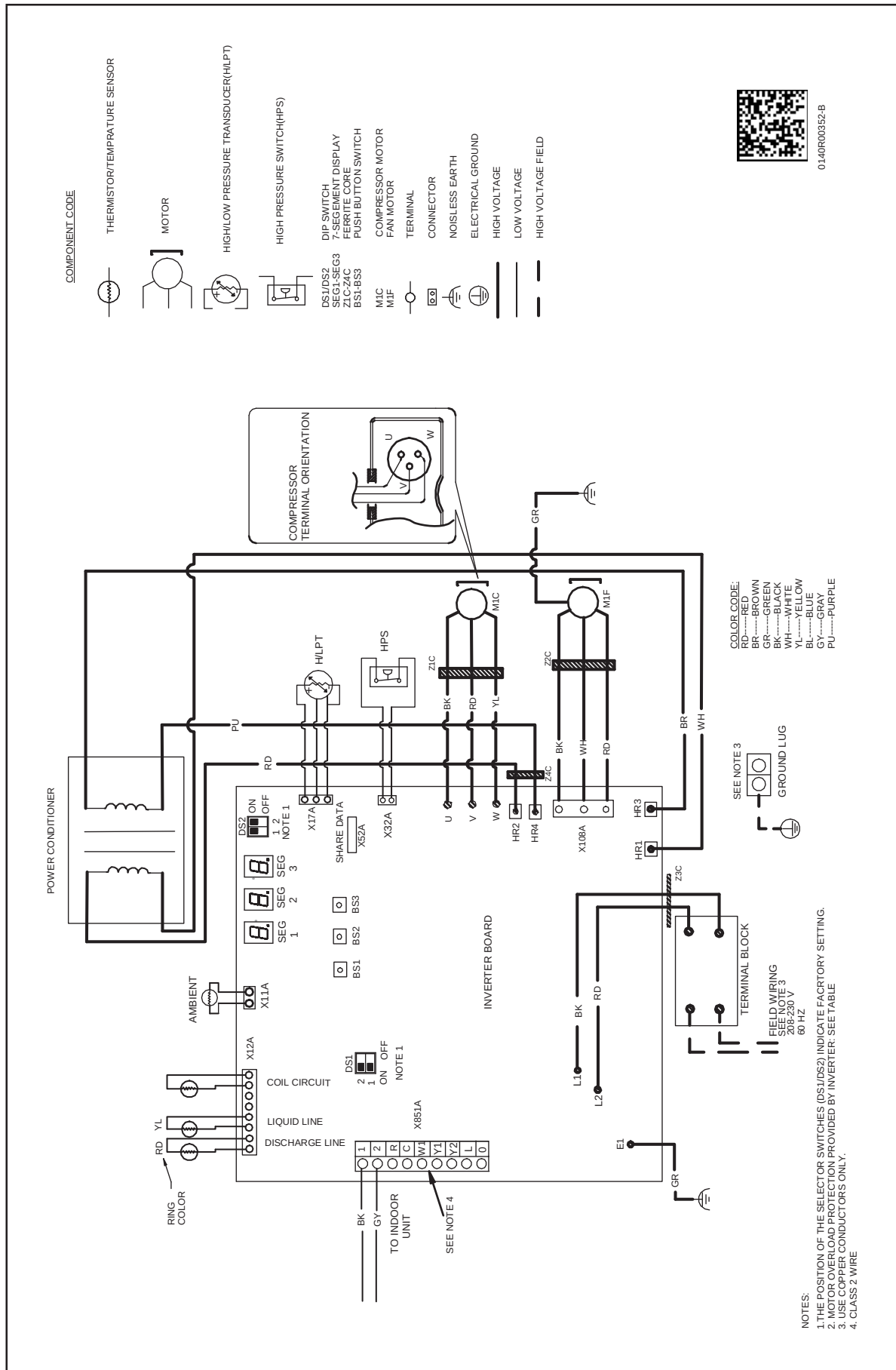
A properly operating unit should be within plus or minus **3 degrees** of the typical (Delta T) value shown.

A properly operating unit should be within plus or minus **7 PSIG** of the **HI PR** shown.

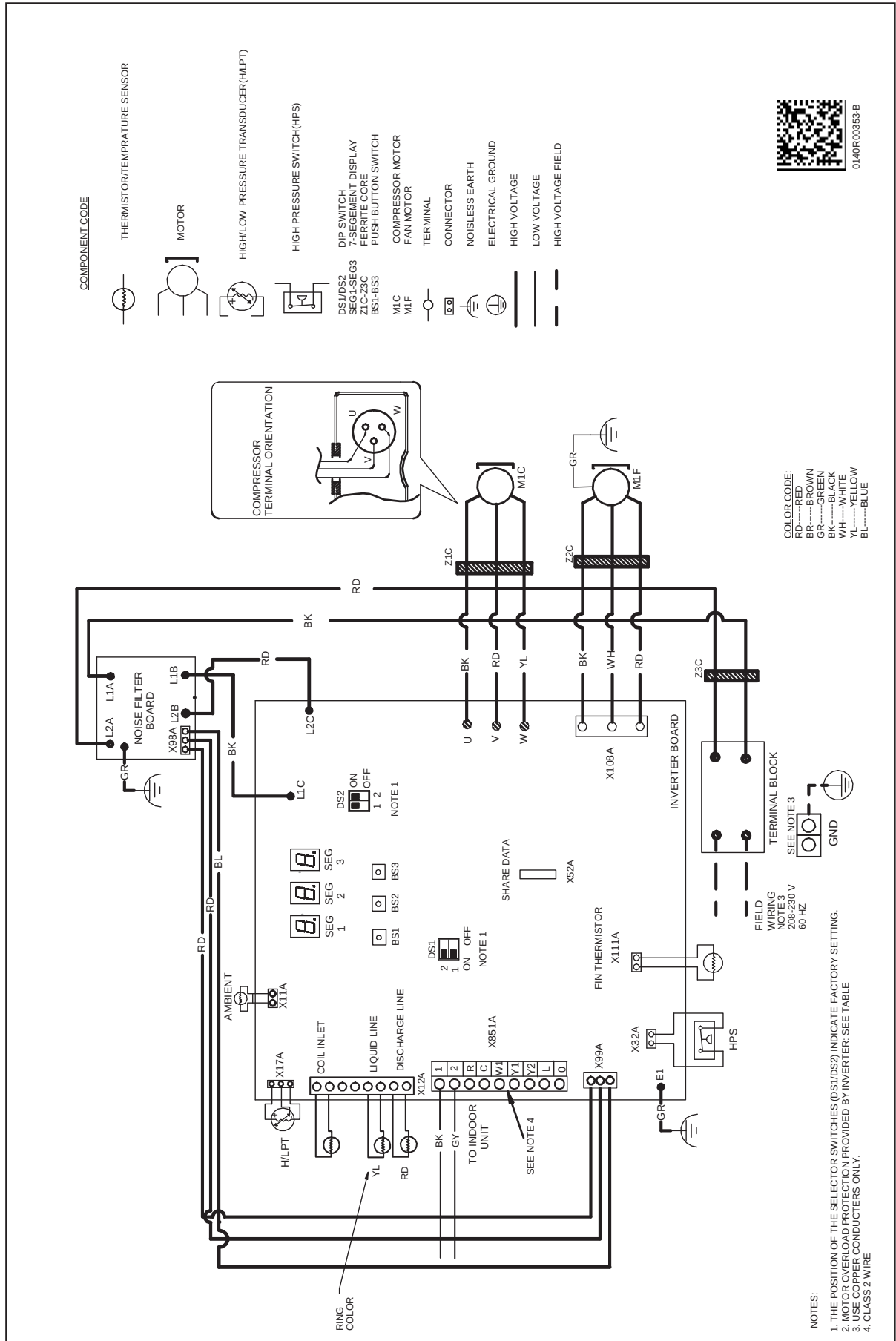
A properly operating unit should be within plus or minus **3 PSIG** of the **LO PR** shown.

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

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



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



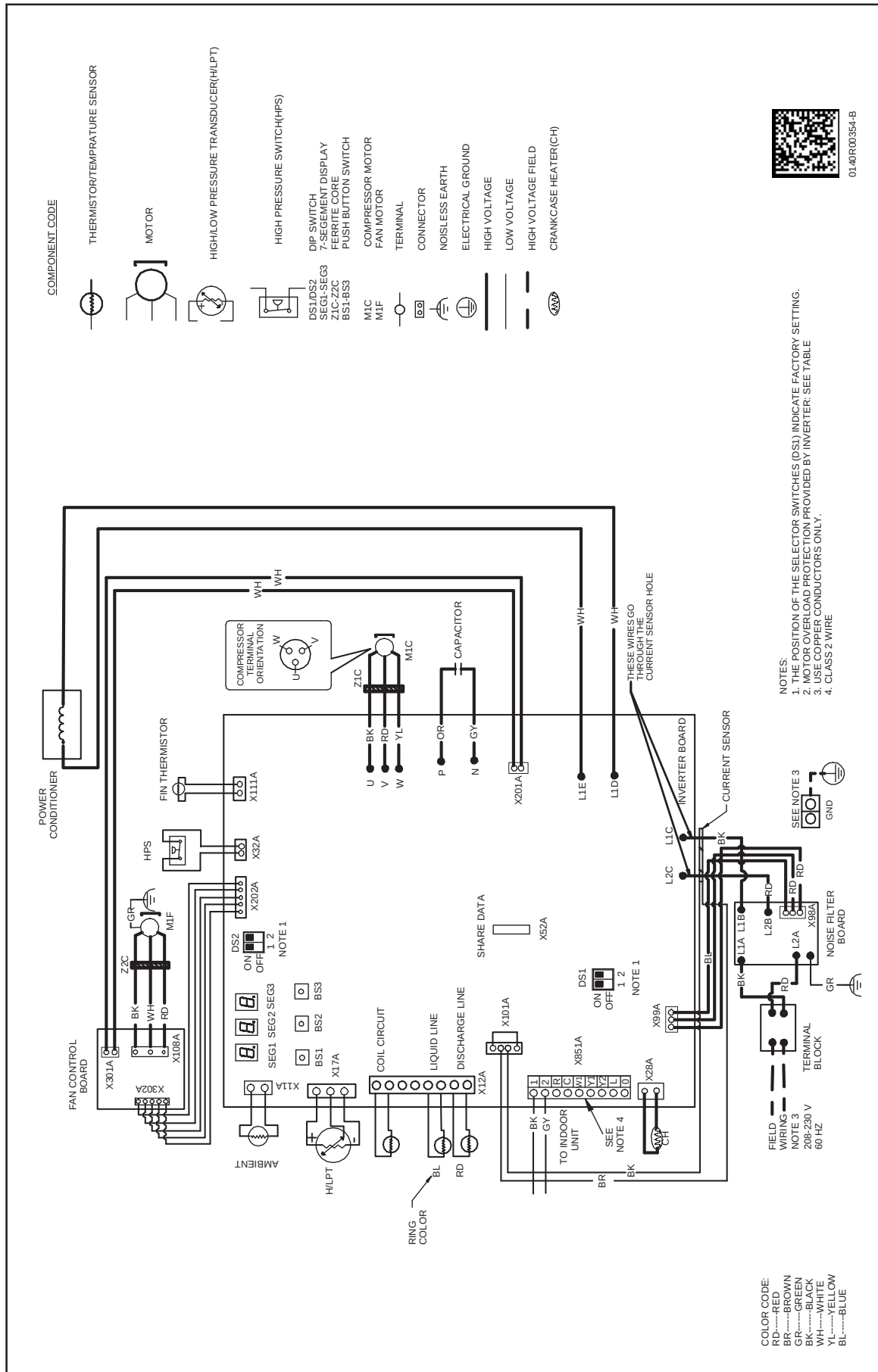
Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

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

0140R00354-B



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