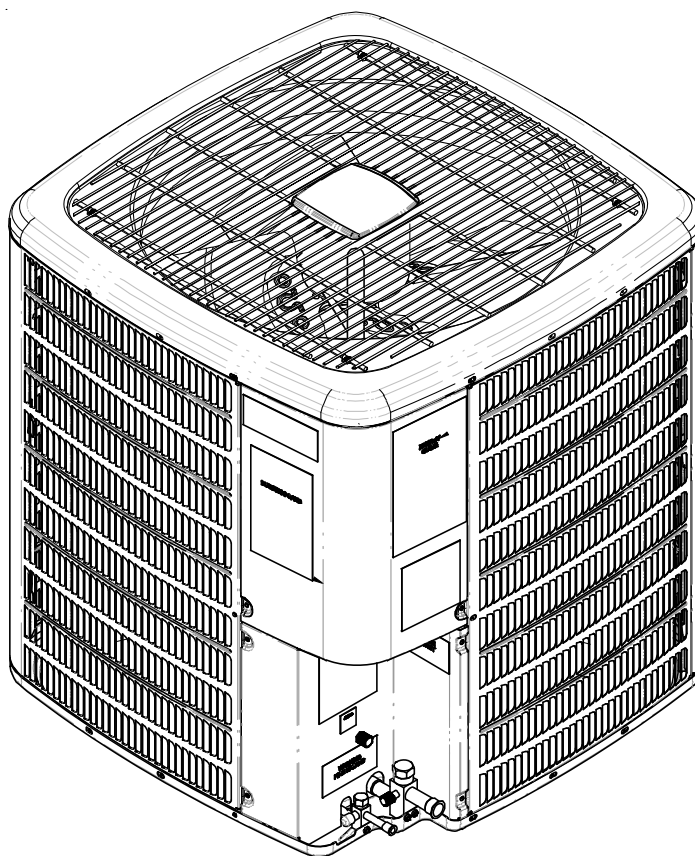




TECHNICAL MANUAL

DSX 16 SEER Condensing Units

- Refer to Service Manual RS6200006 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 2.

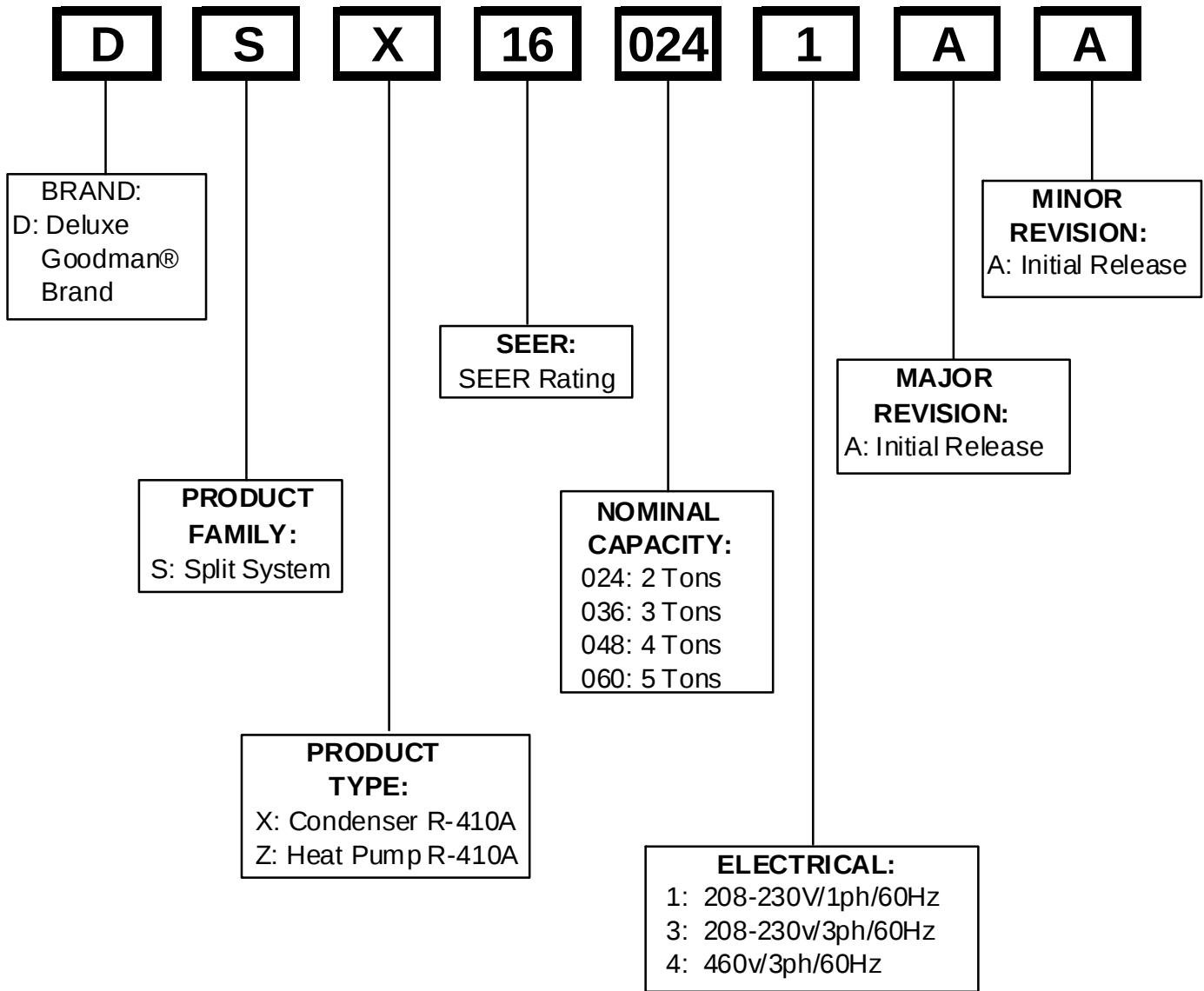


This manual is to be used by qualified, professionally trained HVAC technicians only. Goodman does not assume any responsibility for property damage or personal injury due to improper service procedures or services performed by an unqualified person.

RT6114006r3
September 2009

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.



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

Goodman 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 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.

DSX160241A*

DSX160361A*

DSX160481A*

DSX160601A*

DSX160241B*

DSX160361B*

** 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 Goodman 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.

CONDENSING UNIT SPECIFICATIONS

DSX160241A* - DSX160601A*

	DSX160241A*	DSX160361A*	DSX160481A*	DSX160601A*
Cooling Capacity, BTUH	24,000	36,000	48,000	60,000
Compressor				
R.L. Amps	10.3	16.7	21.2	25.6
L.R. Amps	52.0	82.0	96.0	118.0
Low Pressure Switch				
Open	22 PSIG	22 PSIG	22 PSIG	22 PSIG
Close	50 PSIG	50 PSIG	50 PSIG	50 PSIG
High Pressure Switch				
Open	610 PSIG	610 PSIG	610 PSIG	610 PSIG
Close	420 PSIG	420 PSIG	420 PSIG	420 PSIG
Condenser Fan Motor				
Horsepower	1/12	1/6	1/6	1/6
F.L. Amps	0.6	1.0	1.0	1.0
Liquid Line, Inches O.D.*	3/8"	3/8"	3/8"	3/8"
Suction Line, Inches O.D.*	3/4"	7/8"	1-1/8"	1-1/8"
Refrigerant Charge	137.0	157.0	202.0	197.0
Power Supply	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Minimum Circuit Ampacity ⁽¹⁾	13.5	21.9	27.5	33.0
Maximum Overcurrent Device ⁽²⁾	20	35	45	50
Electrical Conduit Size				
Power Supply (Inches)	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4
Approximate Shipping Weight	282	282	296	296

* Up to 24' in equivalent line length

⁽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 Fuse or HACR type Circuit Breaker of the same size as noted.

NOTES:

- Always check the S & R plate for electrical data on the unit being installed.
- Installer will need to supply 7/8" to 1-1/8" adapters for suction line connections (4 & 5 ton units).
- Installer will need to supply 3/4" to 7/8" adapters for suction line connections (3 ton unit).
- 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.

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.

CONDENSING UNIT SPECIFICATIONS

DSX160241B* - DSX160361B*

	DSX160241B*	DSX160361B*
Cooling Capacity, BTUH	24,000	36,000
Compressor		
R.L. Amps	10.3	16.7
L.R. Amps	52.0	82.0
Low Pressure Switch		
Open	22 PSIG	22 PSIG
Close	50 PSIG	50 PSIG
High Pressure Switch		
Open	610 PSIG	610 PSIG
Close	420 PSIG	420 PSIG
Condenser Fan Motor		
Horsepower	1/6	1/6
F.L. Amps	1.1	0.9
Liquid Line, Inches O.D.*	3/8"	3/8"
Suction Line, Inches O.D.*	3/4"	7/8"
Refrigerant Charge	100.0	110.0
Power Supply	208/230-60-1	208/230-60-1
Minimum Circuit Ampacity ⁽¹⁾	14.0	21.8
Maximum Overcurrent Device ⁽²⁾	20	35
Electrical Conduit Size		
Power Supply (Inches)	1/2 or 3/4	1/2 or 3/4
Approximate Shipping Weight	198	206

* Up to 24' in equivalent line length

⁽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 Fuse or HACR type Circuit Breaker of the same size as noted.

NOTES:

- Always check the S & R plate for electrical data on the unit being installed.
- Installer will need to supply 7/8" to 1-1/8" adapters for suction line connections (4 & 5 ton units).
- Installer will need to supply 3/4" to 7/8" adapters for suction line connections (3 ton unit).
- 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.

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.

PERFORMANCE DATA

DSX160241A*-LOW STAGE

EXPANDED PERFORMANCE DATA
MODEL: DSX160241A* / CA*F3636C6** + TXV / MBE1200**-1B*, Design Subcooling @ AHRI 95°F Conditions, 5°F @ Serv. Vlv.

IDB*		Airflow	Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			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				
70	675	MBh	18.0	18.7	20.4	-	17.6	18.2	20.0	-	17.2	17.8	19.5	-	16.7	17.4	19.0	-	15.9	16.5	18.1	-	14.7	15.3	16.7	-
		S/T	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.80	0.66	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-
		Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	1.10	1.12	1.16	-	1.19	1.21	1.25	-	1.26	1.29	1.34	-	1.33	1.37	1.41	-	1.39	1.43	1.48	-	1.44	1.48	1.53	-
		AMPS	4.5	4.6	4.7	-	4.8	4.9	5.1	-	5.2	5.3	5.5	-	5.6	5.7	5.9	-	5.9	6.1	6.3	-	6.3	6.4	6.6	-
	600	HI PR	228	245	248	-	258	277	281	-	293	315	319	-	334	359	364	-	375	404	409	-	420	452	458	-
		LO PR	122	125	137	-	125	129	141	-	129	133	146	-	133	137	150	-	135	140	153	-	139	143	156	-
		MBh	17.5	18.1	19.8	-	17.1	17.7	19.4	-	16.7	17.3	18.9	-	16.3	16.8	18.5	-	15.4	16.0	17.5	-	14.3	14.8	16.2	-
		S/T	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-
		Delta T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
75	675	KW	1.09	1.11	1.15	-	1.18	1.20	1.24	-	1.25	1.28	1.33	-	1.32	1.35	1.40	-	1.38	1.41	1.46	-	1.43	1.47	1.52	-
		AMPS	4.4	4.5	4.7	-	4.8	4.9	5.0	-	5.2	5.3	5.5	-	5.5	5.7	5.8	-	5.9	6.0	6.2	-	6.2	6.4	6.6	-
		HI PR	226	243	246	-	255	274	278	-	290	312	316	-	330	355	360	-	372	400	405	-	416	447	454	-
		LO PR	120	124	136	-	124	128	140	-	128	132	144	-	132	136	148	-	134	138	151	-	137	142	155	-
		MBh	16.1	16.7	18.3	-	15.8	16.3	17.9	-	15.4	15.9	17.5	-	15.0	15.6	17.0	-	14.3	14.8	16.2	-	13.2	13.7	15.0	-
	525	S/T	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-
		Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		KW	1.08	1.10	1.14	-	1.17	1.19	1.23	-	1.24	1.27	1.31	-	1.31	1.34	1.39	-	1.37	1.40	1.45	-	1.42	1.45	1.50	-
		AMPS	4.4	4.5	4.6	-	4.7	4.8	5.0	-	5.1	5.3	5.4	-	5.5	5.6	5.8	-	5.8	6.0	6.2	-	6.2	6.3	6.5	-
		HI PR	223	240	244	-	252	271	275	-	287	309	313	-	327	352	357	-	368	396	401	-	412	443	449	-
LO PR	119	123	134	-	123	127	138	-	127	131	143	-	130	134	147	-	133	137	150	-	136	140	153	-		

75	675	MBh	18.3	18.8	20.4	21.9	17.9	18.4	19.9	21.4	17.5	18.0	19.4	20.9	17.0	17.5	19.0	20.4	16.2	16.7	18.0	19.3	15.0	15.4	16.7	17.9
		S/T	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.90	0.81	0.61	0.39	0.93	0.84	0.63	0.41	0.97	0.87	0.66	0.42	0.98	0.87	0.66	0.43
		Delta T	21	20	16	11	21	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		KW	1.10	1.12	1.16	1.20	1.19	1.21	1.25	1.30	1.26	1.29	1.34	1.38	1.33	1.37	1.41	1.46	1.39	1.43	1.48	1.53	1.44	1.48	1.53	1.58
		AMPS	4.5	4.6	4.7	4.9	4.8	4.9	5.1	5.3	5.2	5.3	5.5	5.7	5.6	5.7	5.9	6.1	5.9	6.1	6.3	6.5	6.3	6.4	6.6	6.9
		HI PR	228	245	248	254	258	277	281	287	293	315	319	326	334	359	364	372	375	404	409	418	420	452	458	468
		LO PR	122	125	137	146	125	129	141	150	129	133	146	155	133	137	150	159	135	140	153	162	139	143	156	166
		MBh	17.8	18.3	19.8	21.3	17.4	17.9	19.3	20.8	16.9	17.4	18.9	20.3	16.5	17.0	18.4	19.8	15.7	16.2	17.5	18.8	14.5	15.0	16.2	17.4
		S/T	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.58	0.38	0.89	0.80	0.60	0.39	0.92	0.83	0.63	0.40	0.93	0.83	0.63	0.41
		Delta T	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11
600	KW	1.09	1.11	1.15	1.19	1.18	1.20	1.24	1.29	1.25	1.28	1.33	1.37	1.32	1.35	1.40	1.45	1.38	1.41	1.46	1.51	1.43	1.47	1.52	1.57	
	AMPS	4.4	4.5	4.7	4.8	4.8	4.9	5.0	5.2	5.2	5.3	5.5	5.7	5.5	5.7	5.8	6.1	5.9	6.0	6.2	6.4	6.2	6.4	6.6	6.8	
	HI PR	226	243	246	251	255	274	278	284	290	312	316	323	330	355	360	368	372	400	405	414	416	447	454	464	
	LO PR	120	124	136	144	124	128	140	149	128	132	144	154	132	136	148	158	134	138	151	161	137	142	155	165	
	MBh	16.4	16.9	18.3	19.6	16.0	16.5	17.9	19.2	15.6	16.1	17.4	18.7	15.3	15.7	17.0	18.2	14.5	14.9	16.2	17.3	13.4	13.8	15.0	16.1	
	S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39	
	Delta T	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11	
	KW	1.08	1.10	1.14	1.18	1.17	1.19	1.23	1.27	1.24	1.27	1.31	1.36	1.31	1.34	1.39	1.44	1.37	1.40	1.45	1.50	1.42	1.45	1.50	1.56	
	AMPS	4.4	4.5	4.6	4.8	4.7	4.8	5.0	5.2	5.1	5.3	5.4	5.6	5.5	5.6	5.8	6.0	5.8	6.0	6.2	6.4	6.2	6.3	6.5	6.8	
	HI PR	223	240	244	249	252	271	275	281	287	309	313	320	327	352	357	364	368	396	401	410	412	443	449	459	
LO PR	119	123	134	143	123	127	138	147	127	131	143	152	130	134	147	156	133	137	150	159	136	140	153	163		

* Entering Indoor Dry Bulb Temperature NOTE: Shaded area is ACCA (TV) conditions

EXPANDED PERFORMANCE DATA

MODEL: DSX160241A* / CA*F3636C6** + TXV / MBE1200**1B*, Design Subcooling @ AHRI 95°F Conditions, 5°F @ Serv. Vlv. COOLING OPERATION

Outdoor Ambient Temperature																																													
65													75										85			95										105					115				
Entering Indoor Wet Bulb Temperature																																													
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																
80	675	MBh	18.6	19.0	20.3	21.7	18.2	18.6	19.9	21.2	17.8	18.1	19.4	20.7	17.3	17.7	18.9	20.2	16.5	16.8	18.0	19.2	15.2	15.6	16.6	17.8																			
		S/T	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.61	1.00	1.00	0.82	0.61																			
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	23	20	16	21	21	19	15																			
		KW	1.10	1.12	1.16	1.20	1.19	1.21	1.25	1.30	1.26	1.29	1.34	1.38	1.33	1.37	1.41	1.46	1.39	1.43	1.48	1.53	1.44	1.48	1.53	1.58																			
		AMPS	4.5	4.6	4.7	4.9	4.8	4.9	5.1	5.3	5.2	5.3	5.5	5.7	5.6	5.7	5.9	6.1	5.9	6.1	6.3	6.5	6.3	6.4	6.6	6.9																			
	600	HI PR	228	245	248	254	258	277	281	287	293	315	319	326	334	359	364	372	375	404	409	418	420	452	458	468																			
		LO PR	122	125	137	146	125	129	141	150	129	133	146	155	133	137	150	159	135	140	153	162	139	143	156	166																			
		MBh	18.1	18.5	19.7	21.1	17.7	18.1	19.3	20.6	17.2	17.6	18.8	20.1	16.8	17.2	18.4	19.6	16.0	16.3	17.4	18.7	14.8	15.1	16.2	17.3																			
		S/T	0.89	0.84	0.68	0.51	0.92	0.87	0.70	0.53	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58																			
		Delta T	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	17	23	22	19	15																			
85	600	KW	1.09	1.11	1.15	1.19	1.18	1.20	1.24	1.29	1.25	1.28	1.33	1.37	1.32	1.35	1.40	1.45	1.38	1.41	1.46	1.51	1.43	1.47	1.52	1.57																			
		AMPS	4.4	4.5	4.7	4.8	4.8	4.9	5.0	5.2	5.2	5.3	5.5	5.7	5.5	5.7	5.8	6.1	5.9	6.0	6.2	6.4	6.2	6.4	6.6	6.8																			
		HI PR	226	243	246	251	255	274	278	284	290	312	316	323	330	355	360	368	372	400	405	414	416	447	454	464																			
		LO PR	120	124	136	144	124	128	140	149	128	132	144	154	132	136	148	158	134	138	151	161	137	142	155	165																			
		MBh	16.7	17.1	18.2	19.5	16.3	16.7	17.8	19.0	15.9	16.3	17.4	18.6	15.5	15.9	17.0	18.1	14.8	15.1	16.1	17.2	13.7	14.0	14.9	15.9																			
	525	S/T	0.86	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.92	0.75	0.56																			
		Delta T	25	24	21	17	25	24	21	17	25	24	21	17	26	25	21	17	25	24	21	17	24	23	20	16																			
		KW	1.08	1.10	1.14	1.18	1.17	1.19	1.23	1.27	1.24	1.27	1.31	1.36	1.31	1.34	1.39	1.44	1.37	1.40	1.45	1.50	1.42	1.45	1.50	1.56																			
		AMPS	4.4	4.5	4.6	4.8	4.7	4.8	5.0	5.2	5.1	5.3	5.4	5.6	5.5	5.6	5.8	6.0	5.8	6.0	6.2	6.4	6.2	6.3	6.5	6.8																			
		HI PR	223	240	244	249	252	271	275	281	287	309	313	320	327	352	357	364	368	396	401	410	412	443	449	459																			
		LO PR	119	123	134	143	123	127	138	147	127	131	143	152	130	134	147	156	133	137	150	159	136	140	153	163																			

85	675	MBh	19.0	19.3	20.2	21.6	18.5	18.9	19.8	21.1	18.1	18.4	19.3	20.6	17.6	18.0	18.8	20.1	16.8	17.1	17.9	19.1	15.5	15.8	16.6	17.7
		S/T	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.79
		Delta T	25	25	23	20	25	25	24	21	25	25	24	21	24	24	24	24	21	23	23	24	20	21	22	19
		KW	1.10	1.12	1.16	1.20	1.19	1.21	1.25	1.30	1.26	1.29	1.34	1.38	1.33	1.37	1.41	1.46	1.39	1.43	1.48	1.53	1.44	1.48	1.53	1.58
		AMPS	4.5	4.6	4.7	4.9	4.8	4.9	5.1	5.3	5.2	5.3	5.5	5.7	5.6	5.7	5.9	6.1	5.9	6.1	6.3	6.5	6.3	6.4	6.6	6.9
	600	HI PR	228	245	248	254	258	277	281	287	293	315	319	326	334	359	364	372	375	404	409	418	420	452	458	468
		LO PR	122	125	137	146	125	129	141	150	129	133	146	155	133	137	150	159	135	140	153	162	139	143	156	166
		MBh	18.4	18.8	19.6	21.0	18.0	18.3	19.2	20.5	17.5	17.9	18.7	20.0	17.1	17.4	18.3	19.5	16.3	16.6	17.4	18.5	15.1	15.4	16.1	17.2
		S/T	0.93	0.90	0.81	0.66	0.97	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.93	0.75	1.00	1.00	0.93	0.76
		Delta T	26	26	24	21	27	26	25	21	27	26	25	21	26	26	25	22	25	25	25	21	23	24	23	20
525	KW	1.09	1.11	1.15	1.19	1.18	1.20	1.24	1.29	1.25	1.28	1.33	1.37	1.32	1.35	1.40	1.45	1.38	1.41	1.46	1.51	1.43	1.47	1.52	1.57	
	AMPS	4.4	4.5	4.7	4.8	4.8	4.9	5.0	5.2	5.2	5.3	5.5	5.7	5.5	5.7	5.8	6.1	5.9	6.0	6.2	6.4	6.2	6.4	6.6	6.8	
	HI PR	226	243	246	251	255	274	278	284	290	312	316	323	330	355	360	368	372	400	405	414	416	447	454	464	
	LO PR	120	124	136	144	124	128	140	149	128	132	144	154	132	136	148	158	134	138	151	161	137	142	155	165	
	MBh	17.0	17.3	18.1	19.3	16.6	16.9	17.7	18.9	16.2	16.5	17.3	18.4	15.8	16.1	16.9	18.0	15.0	15.3	16.0	17.1	13.9	14.2	14.8	15.8	

* Entering Indoor Dry Bulb Temperature NOTE: Shaded area is AHRI Rating Conditions

PERFORMANCE DATA

DSX160241B*-LOW STAGE

LOW STAGE

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DSX160241B* / CA*F3636*6**+TXV+MBE1200**-1* Design Subcooling 5 - 7 °F @ the liquid service valve, AHR1 95 test conditions

			Outdoor Ambient Temperature																													
			65					75					85					95					105					115				
IDB*	Airflow		Entering Indoor Wet Bulb Temperature																													
70	608	MBh	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		
			17.2	17.9	19.6	-	16.8	17.5	19.1	-	16.4	17.0	18.7	-	16.0	16.6	18.2	-	15.2	15.8	17.3	-	14.1	14.6	16.0	-	14.1	14.6	16.0	-		
		S/T	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-	0.82	0.68	0.47	-		
		Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	17	15	11	-		
		KW	1.06	1.09	1.12	-	1.15	1.17	1.21	-	1.22	1.25	1.29	-	1.29	1.31	1.36	-	1.34	1.37	1.42	-	1.39	1.42	1.47	-	1.39	1.42	1.47	-		
		AMPS	4.2	4.3	4.5	-	4.6	4.7	4.8	-	4.9	5.0	5.2	-	5.3	5.4	5.5	-	5.6	5.7	5.9	-	5.9	6.0	6.2	-	5.9	6.0	6.2	-		
		HI PR	2.02	2.17	2.29	-	2.27	2.44	2.58	-	2.58	2.77	2.93	-	2.94	3.16	3.34	-	3.30	3.55	3.75	-	3.65	3.93	4.15	-	3.65	3.93	4.15	-		
		LO PR	102	109	119	-	108	115	126	-	112	120	131	-	118	126	137	-	124	132	144	-	128	136	149	-	128	136	149	-		
		MBh	16.7	17.4	19.0	-	16.4	17.0	18.6	-	16.0	16.5	18.1	-	15.6	16.1	17.7	-	14.8	15.3	16.8	-	13.7	14.2	15.6	-	13.7	14.2	15.6	-		
		S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-		
Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-	18	16	12	-				
70	540	KW	1.05	1.08	1.11	-	1.14	1.16	1.20	-	1.21	1.24	1.28	-	1.27	1.30	1.35	-	1.33	1.36	1.41	-	1.38	1.41	1.46	-	1.38	1.41	1.46	-		
		AMPS	4.2	4.3	4.4	-	4.5	4.6	4.8	-	4.9	5.0	5.2	-	5.2	5.3	5.5	-	5.5	5.7	5.8	-	5.8	6.0	6.2	-	5.8	6.0	6.2	-		
		HI PR	2.00	2.15	2.27	-	2.24	2.41	2.55	-	2.55	2.75	2.90	-	2.91	3.13	3.30	-	3.27	3.52	3.72	-	3.61	3.89	4.11	-	3.61	3.89	4.11	-		
		LO PR	101	108	118	-	107	114	124	-	111	118	129	-	117	124	136	-	123	130	142	-	127	135	147	-	127	135	147	-		
		MBh	15.5	16.0	17.6	-	15.1	15.6	17.1	-	14.7	15.3	16.7	-	14.4	14.9	16.3	-	13.7	14.2	15.5	-	12.7	13.1	14.4	-	12.7	13.1	14.4	-		
		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	-		
		Delta T	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-	19	16	12	-		
		473	473	KW	1.03	1.05	1.08	-	1.11	1.13	1.17	-	1.18	1.21	1.25	-	1.24	1.27	1.31	-	1.30	1.32	1.37	-	1.34	1.37	1.42	-	1.34	1.37	1.42	-
				AMPS	4.1	4.2	4.3	-	4.4	4.5	4.6	-	4.8	4.9	5.0	-	5.1	5.2	5.4	-	5.4	5.5	5.7	-	5.7	5.8	6.0	-	5.7	5.8	6.0	-
				HI PR	1.94	2.09	2.20	-	2.18	2.34	2.47	-	2.48	2.66	2.81	-	2.82	3.03	3.20	-	3.17	3.41	3.60	-	3.50	3.77	3.98	-	3.50	3.77	3.98	-
LO PR	98			105	114	-	104	111	121	-	108	115	125	-	113	121	132	-	119	126	138	-	123	131	143	-	123	131	143	-		

EXPANDED PERFORMANCE DATA

MODEL: DSX160361A* / CA*F3743*6A* + TXV / MBE1600** -1B*, Design Subcooling @ AHRI 95°F Conditions, 5° - 7°F @ the Serv. Vlv.

COOLING OPERATION

Outdoor Ambient Temperature																																			
65						75						85						95						105						115					
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71						
904	MBh	24.9	25.8	28.3	-	24.3	25.2	27.6	-	23.8	24.6	27.0	-	23.2	24.0	26.3	-	22.0	22.8	25.0	-	20.4	21.1	23.2	-										
	S/T	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.45	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-										
	Delta T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-										
	KW	1.50	1.53	1.58	-	1.61	1.65	1.70	-	1.72	1.75	1.81	-	1.81	1.85	1.91	-	1.88	1.93	1.99	-	1.95	2.00	2.06	-										
	AMPS	5.8	6.0	6.2	-	6.3	6.4	6.6	-	6.8	7.0	7.2	-	7.3	7.4	7.7	-	7.7	7.9	8.1	-	8.2	8.3	8.6	-										
	HI PR	220	237	240	-	249	268	271	-	283	304	309	-	322	347	352	-	348	374	380	-	413	444	450	-										
	LO PR	119	123	134	-	123	127	138	-	127	131	143	-	130	135	147	-	133	137	150	-	136	141	153	-										
800	MBh	24.2	25.1	27.5	-	23.6	24.5	26.8	-	23.1	23.9	26.2	-	22.5	23.3	25.5	-	21.4	22.2	24.3	-	19.8	20.5	22.5	-										
	S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-										
	Delta T	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-										
	KW	1.49	1.52	1.57	-	1.60	1.64	1.69	-	1.70	1.74	1.80	-	1.79	1.83	1.89	-	1.87	1.91	1.97	-	1.93	1.98	2.04	-										
	AMPS	5.8	5.9	6.1	-	6.2	6.4	6.6	-	6.7	6.9	7.1	-	7.2	7.4	7.6	-	7.6	7.8	8.1	-	8.1	8.3	8.5	-										
	HI PR	218	234	238	-	246	265	269	-	280	301	306	-	319	343	348	-	345	371	376	-	409	439	446	-										
	LO PR	118	122	133	-	122	125	137	-	126	130	142	-	129	133	145	-	132	136	148	-	135	139	152	-										
696	MBh	22.3	23.1	25.3	-	21.8	22.6	24.8	-	21.3	22.1	24.2	-	20.8	21.5	23.6	-	19.7	20.4	22.4	-	18.3	18.9	20.8	-										
	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	0.63	0.43	-	0.76	0.63	0.44	-										
	Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-										
	KW	1.47	1.51	1.55	-	1.59	1.62	1.67	-	1.69	1.73	1.78	-	1.78	1.82	1.88	-	1.85	1.89	1.96	-	1.92	1.96	2.03	-										
	AMPS	5.7	5.9	6.0	-	6.2	6.3	6.5	-	6.7	6.8	7.1	-	7.1	7.3	7.5	-	7.6	7.8	8.0	-	8.0	8.2	8.5	-										
	HI PR	216	232	235	-	244	262	266	-	277	298	303	-	316	340	345	-	341	367	372	-	404	435	441	-										
	LO PR	117	121	132	-	120	124	136	-	125	128	140	-	128	132	144	-	130	134	147	-	134	138	150	-										

904	S/T	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.87	0.77	0.59	0.38	0.89	0.80	0.60	0.39	0.93	0.83	0.63	0.40	0.93	0.84	0.63	0.41
	Delta T	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10
	KW	1.50	1.53	1.58	1.63	1.61	1.65	1.70	1.76	1.72	1.75	1.81	1.87	1.81	1.85	1.91	1.97	1.88	1.93	1.99	2.06	1.95	2.00	2.06	2.13
	AMPS	5.8	6.0	6.2	6.4	6.3	6.4	6.6	6.9	6.8	7.0	7.2	7.4	7.3	7.4	7.7	7.9	7.7	7.9	8.1	8.4	8.2	8.3	8.6	8.9
	HI PR	220	237	240	245	249	268	271	277	283	304	309	315	322	347	352	359	348	374	380	388	413	444	450	460
	LO PR	119	123	134	143	123	127	138	147	127	131	143	152	130	135	147	156	133	137	150	160	136	141	153	163
	MBh	24.6	25.3	27.4	29.4	24.0	24.7	26.8	28.7	23.5	24.1	26.1	28.0	22.9	23.6	25.5	27.4	21.7	22.4	24.2	26.0	20.1	20.7	22.4	24.1
800	S/T	0.78	0.69	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.89	0.80	0.60	0.39
	Delta T	22	20	17	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	12	21	19	16	11
	KW	1.49	1.52	1.57	1.62	1.60	1.64	1.69	1.74	1.70	1.74	1.80	1.86	1.79	1.83	1.89	1.96	1.87	1.91	1.97	2.04	1.93	1.98	2.04	2.11
	AMPS	5.8	5.9	6.1	6.3	6.2	6.4	6.6	6.8	6.7	6.9	7.1	7.4	7.2	7.4	7.6	7.9	7.6	7.8	8.1	8.4	8.1	8.3	8.5	8.9
	HI PR	218	234	238	243	246	265	269	275	280	301	306	312	319	343	348	356	345	371	376	384	409	439	446	455
	LO PR	118	122	133	142	122	125	137	146	126	130	142	151	129	133	145	155	132	136	148	158	135	139	152	162
	MBh	22.7	23.4	25.3	27.2	22.2	22.8	24.7	26.5	21.6	22.3	24.1	25.9	21.1	21.7	23.5	25.3	20.1	20.7	22.4	24.0	18.6	19.1	20.7	22.2
696	S/T	0.75	0.67	0.51	0.33	0.78	0.69	0.53	0.34	0.80	0.71	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.58	0.37	0.86	0.77	0.58	0.37
	Delta T	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11
	KW	1.47	1.51	1.55	1.60	1.59	1.62	1.67	1.73	1.69	1.73	1.78	1.84	1.78	1.82	1.88	1.94	1.85	1.89	1.96	2.02	1.92	1.96	2.03	2.10
	AMPS	5.7	5.9	6.0	6.3	6.2	6.3	6.5	6.8	6.7	6.8	7.1	7.3	7.1	7.3	7.5	7.8	7.6	7.8	8.0	8.3	8.0	8.2	8.5	8.8
	HI PR	216	232	235	241	244	262	266	272	277	298	303	309	316	340	345	352	341	367	372	380	404	435	441	451
	LO PR	117	121	132	140	120	124	136	144	125	128														

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DSX160361A* / CA*F3743*6A* + TXV / MBE1600**-1B*, Design Subcooling @ AHRI 95°F Conditions, 5° - 7°F @ the Serv. Vlv.

IDB*		Outdoor Ambient Temperature																							
		65				75				85				95				105				115			
		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	
904	MBh	25.8	26.3	28.1	30.1	25.2	25.7	27.5	29.4	24.6	25.1	26.8	28.7	24.0	24.5	26.2	28.0	22.8	23.3	24.9	26.6	21.1	21.6	23.0	24.6
	S/T	0.89	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.72	0.54	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	0.96	0.78	0.58
	Delta T	23	22	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	21	21	18	15
	KW	1.50	1.53	1.58	1.63	1.61	1.65	1.70	1.76	1.72	1.75	1.81	1.87	1.81	1.85	1.91	1.97	1.88	1.93	1.99	2.06	1.95	2.00	2.06	2.13
	AMPS	5.8	6.0	6.2	6.4	6.3	6.4	6.6	6.9	6.8	7.0	7.2	7.4	7.3	7.4	7.7	7.9	7.7	7.9	8.1	8.4	8.2	8.3	8.6	8.9
	HI PR	220	237	240	245	249	268	271	277	283	304	309	315	322	347	352	359	348	374	380	388	413	444	450	460
	LO PR	119	123	134	143	123	127	138	147	127	131	143	152	130	135	147	156	133	137	150	160	136	141	153	163
	MBh	25.0	25.6	27.3	29.2	24.4	25.0	26.7	28.5	23.9	24.4	26.1	27.9	23.3	23.8	25.4	27.2	22.1	22.6	24.1	25.8	20.5	20.9	22.4	23.9
800	S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56
	Delta T	24	23	20	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15
	KW	1.49	1.52	1.57	1.62	1.60	1.64	1.69	1.74	1.70	1.74	1.80	1.86	1.79	1.83	1.89	1.96	1.87	1.91	1.97	2.04	1.93	1.98	2.04	2.11
	AMPS	5.8	5.9	6.1	6.3	6.2	6.4	6.6	6.8	6.7	6.9	7.1	7.4	7.2	7.4	7.6	7.9	7.6	7.8	8.1	8.4	8.1	8.3	8.5	8.9
	HI PR	218	234	238	243	246	265	269	275	280	301	306	312	319	343	348	356	345	371	376	384	409	439	446	455
	LO PR	118	122	133	142	122	125	137	146	126	130	142	151	129	133	145	155	132	136	148	158	135	139	152	162
	MBh	23.1	23.6	25.2	27.0	22.6	23.1	24.6	26.3	22.0	22.5	24.1	25.7	21.5	22.0	23.5	25.1	20.4	20.9	22.3	23.8	18.9	19.3	20.6	22.1
	S/T	0.82	0.77	0.63	0.47	0.85	0.80	0.65	0.49	0.87	0.82	0.67	0.50	0.90	0.84	0.69	0.51	0.93	0.88	0.71	0.53	0.94	0.88	0.72	0.54
696	Delta T	25	24	21	17	25	24	21	17	25	24	21	17	26	25	21	17	25	24	21	17	24	23	20	16
	KW	1.47	1.51	1.55	1.60	1.59	1.62	1.67	1.73	1.69	1.73	1.78	1.84	1.78	1.82	1.88	1.94	1.85	1.89	1.96	2.02	1.92	1.96	2.03	2.10
	AMPS	5.7	5.9	6.0	6.3	6.2	6.3	6.5	6.8	6.7	6.8	7.1	7.3	7.1	7.3	7.5	7.8	7.6	7.8	8.0	8.3	8.0	8.2	8.5	8.8
	HI PR	216	232	235	241	244	262	266	272	277	298	303	309	316	340	345	352	341	367	372	380	404	435	441	451
	LO PR	117	121	132	140	120	124	136	144	125	128	140	149	128	132	144	153	130	134	147	156	134	138	150	160

DSX160361A*-LOW STAGE

[illegible]

* Entering Indoor Dry Bulb Temperature	NOTE: Shaded area is AHRI Rating Conditions
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Entering Indoor Dry Bulb Temperature

PERFORMANCE DATA

DSX160361B*-LOW STAGE

LOW STAGE EXPANDED PERFORMANCE DATA COOLING OPERATION

MODEL: DSX160361B* / CA*F3743*6**+TXV+MBE1600**-1* Design Subcooling 5 - 7 °F @ the liquid service valve, AHRJ 95 test conditions

Outdoor Ambient Temperature																																			
65						75						85						95						105						115					
Entering Indoor Wet Bulb Temperature																																			
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71						
70	878	MBh	25.3	26.2	28.7	-	24.7	25.6	28.0	-	24.1	25.0	27.4	-	23.5	24.4	26.7	-	22.3	23.2	25.4	-	20.7	21.5	23.5	-	20.7	21.5	23.5	-					
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-					
		Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-	18	16	12	-					
		KW	1.47	1.50	1.55	-	1.58	1.62	1.67	-	1.69	1.73	1.79	-	1.78	1.82	1.88	-	1.86	1.90	1.97	-	1.93	1.97	2.04	-	1.93	1.97	2.04	-					
		AMPS	5.8	5.9	6.1	-	6.3	6.4	6.6	-	6.8	6.9	7.1	-	7.2	7.4	7.6	-	7.6	7.8	8.1	-	8.1	8.3	8.5	-	8.1	8.3	8.5	-					
		HI PR	206	222	234	-	231	249	263	-	263	283	299	-	300	322	340	-	337	363	383	-	372	401	423	-	372	401	423	-					
		LO PR	108	115	125	-	114	121	132	-	118	126	138	-	124	132	145	-	130	139	151	-	135	143	157	-	135	143	157	-					
	780	MBh	24.5	25.4	27.9	-	24.0	24.8	27.2	-	23.4	24.3	26.6	-	22.8	23.7	25.9	-	21.7	22.5	24.6	-	20.1	20.8	22.8	-	20.1	20.8	22.8	-					
		S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-					
		Delta T	20	18	13	-	20	18	13	-	21	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-	19	16	12	-					
		KW	1.45	1.49	1.54	-	1.57	1.61	1.66	-	1.67	1.71	1.77	-	1.77	1.81	1.87	-	1.84	1.88	1.95	-	1.91	1.95	2.02	-	1.91	1.95	2.02	-					
		AMPS	5.8	5.9	6.1	-	6.2	6.3	6.5	-	6.7	6.9	7.1	-	7.1	7.3	7.5	-	7.6	7.8	8.0	-	8.0	8.2	8.5	-	8.0	8.2	8.5	-					
		HI PR	204	220	232	-	229	246	260	-	260	280	296	-	297	319	337	-	334	359	379	-	369	397	419	-	369	397	419	-					
		LO PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	134	142	155	-	134	142	155	-					
683	MBh	22.7	23.5	25.7	-	22.1	22.9	25.1	-	21.6	22.4	24.5	-	21.1	21.8	23.9	-	20.0	20.8	22.7	-	18.5	19.2	21.1	-	18.5	19.2	21.1	-						
	S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-						
	Delta T	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-	19	17	13	-						
	KW	1.42	1.45	1.50	-	1.53	1.57	1.62	-	1.63	1.67	1.72	-	1.72	1.76	1.82	-	1.79	1.84	1.90	-	1.86	1.90	1.97	-	1.86	1.90	1.97	-						
	AMPS	5.6	5.7	5.9	-	6.0	6.2	6.4	-	6.5	6.7	6.9	-	7.0	7.1	7.3	-	7.4	7.6	7.8	-	7.8	8.0	8.2	-	7.8	8.0	8.2	-						
	HI PR	198	213	225	-	222	239	252	-	253	272	287	-	288	310	327	-	324	348	368	-	358	385	406	-	358	385	406	-						
	LO PR	104	110	120	-	109	116	127	-	114	121	132	-	119	127	139	-	125	133	145	-	130	138	150	-	130	138	150	-						

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DSX160361B* / CA*F3743*6**+TXV+MBE1600**-1*

Design Subcooling 5 - 7 °F @ the liquid service valve, AHRI 95 test conditions

IDB*		Airflow		Outdoor Ambient Temperature																										
				65				75				85				95				105				115						
				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	
80	878	MBh	26.2	26.7	28.6	30.5	25.6	26.1	27.9	29.8	25.0	25.5	27.2	29.1	24.3	24.9	26.6	28.4	23.1	23.6	25.2	27.0	21.4	21.9	23.4	25.0	21.4	21.9	23.4	25.0
		S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60	1.00	1.00	0.80	0.60
		Delta T	25	24	21	17	25	24	21	17	26	24	21	17	26	25	21	17	24	25	21	17	22	23	20	16	22	23	20	16
		KW	1.49	1.52	1.57	1.63	1.61	1.65	1.70	1.76	1.72	1.76	1.82	1.88	1.81	1.85	1.92	1.98	1.89	1.93	2.00	2.07	1.96	2.01	2.07	2.15	1.96	2.01	2.07	2.15
		AMPS	5.9	6.0	6.2	6.4	6.4	6.5	6.7	7.0	6.9	7.0	7.3	7.5	7.3	7.5	7.7	8.0	7.8	8.0	8.2	8.5	8.2	8.4	8.7	9.0	8.2	8.4	8.7	9.0
		HI PR	210	226	239	249	236	254	268	280	268	289	305	318	306	329	347	362	344	370	391	408	380	409	432	450	380	409	432	450
		LO PR	110	117	128	136	116	124	135	144	121	129	140	150	127	135	147	157	133	142	155	165	138	146	160	170	138	146	160	170
		MBh	25.4	26.0	27.7	29.6	24.8	25.4	27.1	29.0	24.2	24.8	26.4	28.3	23.6	24.1	25.8	27.6	22.5	22.9	24.5	26.2	20.8	21.3	22.7	24.3	20.8	21.3	22.7	24.3
80	780	S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57	1.00	0.94	0.76	0.57
		Delta T	26	25	22	17	26	25	22	18	26	25	22	18	27	26	22	18	26	25	22	17	25	24	20	16	25	24	20	16
		KW	1.48	1.51	1.56	1.61	1.60	1.63	1.69	1.75	1.70	1.74	1.80	1.86	1.80	1.84	1.90	1.97	1.87	1.92	1.98	2.05	1.94	1.99	2.06	2.13	1.94	1.99	2.06	2.13
		AMPS	5.9	6.0	6.2	6.4	6.3	6.5	6.7	6.9	6.8	7.0	7.2	7.5	7.3	7.4	7.7	8.0	7.7	7.9	8.2	8.5	8.2	8.4	8.6	8.9	8.2	8.4	8.6	8.9
		HI PR	208	224	237	247	234	251	266	277	266	286	302	315	303	326	344	359	341	366	387	404	376	405	428	446	376	405	428	446
		LO PR	109	116	127	135	115	123	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	169	136	145	158	169
		MBh	23.4	24.0	25.6	27.4	22.9	23.4	25.0	26.7	22.4	22.8	24.4	26.1	21.8	22.3	23.8	25.5	20.7	21.2	22.6	24.2	19.2	19.6	21.0	22.4	19.2	19.6	21.0	22.4
		S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.50	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55	0.97	0.91	0.74	0.55
683	683	Delta T	27	25	22	18	27	26	22	18	27	26	22	18	27	26	23	18	27	26	22	18	25	24	21	17	25	24	21	17
		KW	1.44	1.47	1.52	1.57	1.56	1.59	1.65	1.70	1.66	1.70	1.75	1.81	1.75	1.79	1.85	1.91	1.83	1.87	1.93	2.00	1.89	1.94	2.00	2.07	1.89	1.94	2.00	2.07
		AMPS	5.7	5.8	6.0	6.2	6.1	6.3	6.5	6.7	6.6	6.8	7.0	7.3	7.1	7.2	7.5	7.7	7.5	7.7	7.9	8.2	7.9	8.1	8.4	8.7	7.9	8.1	8.4	8.7
		HI PR	202	217	230	239	227	244	258	269	258	277	293	306	294	316	334	348	330	355	375	392	365	393	415	433	365	393	415	433
		LO PR	106	112	123	131	112	119	130	138	116	123	135	144	122	130	142	151	128	136	148	158	132	141	154	163	132	141	154	163

85	878	MBh	26.6	27.1	28.4	30.3	26.0	26.5	27.8	29.6	25.4	25.9	27.1	28.9	24.8	25.2	26.4	28.2	23.5	24.0	25.1	26.8	21.8	22.2	23.3	24.8
		S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		Delta T	27	26	25	22	27	27	25	22	27	27	25	22	26	26	25	22	25	25	25	22	23	23	23	20
		KW	1.50	1.54	1.59	1.64	1.63	1.66	1.72	1.78	1.73	1.77	1.83	1.90	1.83	1.87	1.93	2.00	1.91	1.95	2.02	2.09	1.98	2.02	2.09	2.17
		AMPS	6.0	6.1	6.3	6.5	6.4	6.6	6.8	7.0	6.9	7.1	7.3	7.6	7.4	7.6	7.8	8.1	7.9	8.0	8.3	8.6	8.3	8.5	8.8	9.1
		HI PR	212	229	241	252	238	257	271	283	271	292	308	321	309	332	351	366	347	374	395	412	384	413	436	455
	780	LO PR	111	118	129	138	117	125	136	145	122	130	142	151	128	136	149	159	134	143	156	166	139	148	161	172
		MBh	25.8	26.3	27.6	29.4	25.2	25.7	27.0	28.8	24.6	25.1	26.3	28.1	24.0	24.5	25.7	27.4	22.8	23.3	24.4	26.0	21.2	21.6	22.6	24.1
		S/T	0.91	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74
		Delta T	28	27	26	22	28	28	26	23	28	28	26	23	28	28	26	23	27	27	26	23	25	25	24	21
		KW	1.49	1.52	1.57	1.63	1.61	1.65	1.70	1.76	1.72	1.76	1.82	1.88	1.81	1.85	1.92	1.98	1.89	1.93	2.00	2.07	1.96	2.01	2.07	2.15
		AMPS	5.9	6.0	6.2	6.4	6.4	6.5	6.7	7.0	6.9	7.0	7.3	7.5	7.3	7.5	7.7	8.0	7.8	8.0	8.2	8.5	8.2	8.4	8.7	9.0
683	HI PR	210	226	239	249	236	254	268	280	268	289	305	318	306	329	347	362	344	370	391	408	380	409	432	450	
	LO PR	110	117	128	136	116	124	135	144	121	129	140	150	127	135	147	157	133	142	155	165	138	146	160	170	
	MBh	23.9	24.3	25.5	27.2	23.3	23.8	24.9	26.5	22.7	23.2	24.3	25.9	22.2	22.6	23.7	25.3	21.1	21.5	22.5	24.0	19.5	19.9	20.9	22.2	
	S/T	0.88	0.85	0.77	0.62	0.91	0.88	0.80	0.65	0.94	0.90	0.82	0.66	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.98	0.88	0.71	
	Delta T	28.32	28	26	23	29	28	27	23	29	28	27	23	29	28	27	23	28	28	26	23	26	26	25	21	
	KW	1.45	1.49	1.54	1.59	1.57	1.61	1.66	1.72	1.67	1.71	1.77	1.83	1.76	1.81	1.87	1.93	1.84	1.88	1.95	2.02	1.91	1.95	2.02	2.09	
85	AMPS	5.8	5.9	6.1	6.3	6.2	6.3	6.5	6.8	6.7	6.9	7.1	7.3	7.1	7.3	7.5	7.8	7.6	7.8	8.0	8.3	8.0	8.2	8.5	8.8	
	HI PR	204	220	232	242	229	246	260	271	260	280	296	309	297	319	337	352	334	359	379	395	369	397	419	437	
	LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	133	142	155	165	

* Entering Indoor Dry Bulb Temperature

Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

PERFORMANCE DATA

DSX160481A*-LOW STAGE

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DSX160481A* / CA*F4961*6A* + TXV / MBE2000*-1B*, Design Subcooling @ AHRJ 95°F Conditions, 5° - 7°F @ the Serv. Vlv.

IDB*		Outdoor Ambient Temperature																							
		65				75				85				95				105				115			
		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	
1238	MBh	33.9	35.2	38.5	-	33.1	34.3	37.6	-	32.3	33.5	36.7	-	31.5	32.7	35.8	-	30.0	31.1	34.0	-	27.8	28.8	31.5	-
	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-
	Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
	KW	2.04	2.09	2.16	-	2.21	2.26	2.33	-	2.35	2.41	2.49	-	2.48	2.54	2.62	-	2.59	2.65	2.74	-	2.68	2.74	2.84	-
	AMPS	8.1	8.3	8.6	-	8.8	9.0	9.3	-	9.5	9.7	10.0	-	10.1	10.4	10.7	-	10.8	11.0	11.4	-	11.4	11.7	12.1	-
	HI PR	227	244	248	-	257	276	280	-	292	314	318	-	332	357	362	-	374	402	408	-	419	450	457	-
	LO PR	122	125	137	-	125	129	141	-	129	134	146	-	133	137	150	-	136	140	153	-	139	143	156	-
1100	MBh	32.9	34.1	37.4	-	32.2	33.3	36.5	-	31.4	32.5	35.7	-	30.6	31.7	34.8	-	29.1	30.2	33.0	-	27.0	27.9	30.6	-
	S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-
	Delta T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
	KW	2.03	2.07	2.14	-	2.19	2.24	2.31	-	2.33	2.38	2.47	-	2.46	2.51	2.60	-	2.57	2.62	2.71	-	2.66	2.72	2.81	-
	AMPS	8.1	8.2	8.5	-	8.7	8.9	9.2	-	9.4	9.6	10.0	-	10.1	10.3	10.6	-	10.7	10.9	11.3	-	11.3	11.6	12.0	-
	HI PR	225	242	245	-	254	273	277	-	289	311	315	-	329	354	359	-	370	398	404	-	415	446	452	-
	LO PR	120	124	136	-	124	128	140	-	128	132	144	-	132	136	148	-	134	138	151	-	138	142	155	-
963	MBh	30.4	31.5	34.5	-	29.7	30.8	33.7	-	29.0	30.0	32.9	-	28.3	29.3	32.1	-	26.9	27.8	30.5	-	24.9	25.8	28.3	-
	S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-
	Delta T	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
	KW	2.01	2.05	2.12	-	2.17	2.22	2.29	-	2.31	2.36	2.44	-	2.44	2.49	2.58	-	2.54	2.60	2.69	-	2.64	2.70	2.79	-
	AMPS	8.0	8.2	8.4	-	8.6	8.8	9.1	-	9.3	9.6	9.9	-	10.0	10.2	10.5	-	10.6	10.8	11.2	-	11.2	11.5	11.9	-
	HI PR	223	239	243	-	252	270	274	-	286	308	312	-	326	350	355	-	367	394	400	-	411	441	448	-
	LO PR	119	123	134	-	123	127	138	-	127	131	143	-	130	134	147	-	133	137	150	-	136	140	153	-

Entering Indoor Dry Bulb Temperature											
Entering Indoor Wet Bulb Temperature											
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63
70	1238	MBh	33.9	35.2	38.5	-	33.1	34.3	37.6	-	32.3
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78
		Delta T	18	16	12	-	19	16	12	-	19
		KW	2.04	2.09	2.16	-	2.21	2.26	2.33	-	2.35
		AMPS	8.1	8.3	8.6	-	8.8	9.0	9.3	-	9.5
	1100	HI PR	227	244	248	-	257	276	280	-	292
		LO PR	122	125	137	-	125	129	141	-	129
		MBh	32.9	34.1	37.4	-	32.2	33.3	36.5	-	31.4
		S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74
		Delta T	19	17	13	-	19	17	13	-	19
963	1238	MBh	30.4	31.5	34.5	-	29.7	30.8	33.7	-	29.0
		S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72
		Delta T	20	17	13	-	20	17	13	-	20
		KW	2.01	2.05	2.12	-	2.17	2.22	2.29	-	2.31
		AMPS	8.0	8.2	8.4	-	8.6	8.8	9.1	-	9.3
	1100	HI PR	223	239	243	-	252	270	274	-	286
		LO PR	119	123	134	-	123	127	138	-	127
		MBh	29.7	30.8	33.7	-	29.0	30.0	32.9	-	28.3
		S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72
		Delta T	20	17	13	-	20	17	13	-	20

*

NOTE: Shaded area is ACCA (TVA) conditions

PERFORMANCE DATA

EXPANDED PERFORMANCE DATA
MODEL: DSX160481A* / CA*F4961*6A* + TXV / MBE2000*-1B*, Design Subcooling @ AHRI 95°F Conditions, 5° - 7°F @ the Serv. Viv.

COOLING OPERATION

Outdoor Ambient Temperature																																																											
65										75										85										95										105										115									
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																										
	MBh	35.1	35.9	38.3	41.0	34.3	35.0	37.4	40.0	33.5	34.2	36.5	39.1	32.7	33.4	35.6	38.1	31.0	31.7	33.9	36.2	28.7	29.4	31.4	33.5	28.7	29.4	31.4	33.5	28.7	29.4	31.4	33.5																										
	S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60	1.00	1.00	0.80	0.60	1.00	1.00	0.80	0.60																										
	Delta T	24	23	20	16	24	23	20	16	25	23	20	16	24	23	20	16	23	24	20	16	21	22	19	15	21	22	19	15	21	22	19	15																										
	KW	2.04	2.09	2.16	2.23	2.21	2.26	2.33	2.41	2.35	2.41	2.49	2.57	2.48	2.54	2.62	2.71	2.59	2.65	2.74	2.83	2.68	2.74	2.84	2.94	2.68	2.74	2.84	2.94	2.68	2.74	2.84	2.94																										
	AMPS	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.1	10.4	10.7	11.1	10.8	11.0	11.4	11.8	11.4	11.7	12.1	12.5	11.4	11.7	12.1	12.5	11.4	11.7	12.1	12.5																										
	HI PR	227	244	248	253	257	276	280	286	292	314	318	325	332	357	362	370	374	402	408	417	419	450	457	467	419	450	457	467	419	450	457	467																										
	LO PR	122	125	137	146	125	129	141	150	129	134	146	155	133	137	150	159	136	140	153	163	139	143	156	167	139	143	156	167	139	143	156	167																										
	MBh	34.1	34.8	37.2	39.8	33.3	34.0	36.3	38.8	32.5	33.2	35.5	37.9	31.7	32.4	34.6	37.0	30.1	30.8	32.9	35.1	27.9	28.5	30.5	32.6	27.9	28.5	30.5	32.6	27.9	28.5	30.5	32.6																										
	S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57	1.00	0.94	0.76	0.57	1.00	0.94	0.76	0.57																										
	Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	16	23	22	19	16	23	22	19	16																										
	KW	2.03	2.07	2.14	2.21	2.19	2.24	2.31	2.39	2.33	2.38	2.47	2.55	2.46	2.51	2.60	2.69	2.57	2.62	2.71	2.81	2.66	2.72	2.81	2.91	2.66	2.72	2.81	2.91	2.66	2.72	2.81	2.91																										
	AMPS	8.1	8.2	8.5	8.8	8.7	8.9	9.2	9.5	9.4	9.6	10.0	10.3	10.1	10.3	10.6	11.0	10.7	10.9	11.3	11.7	11.3	11.6	12.0	12.4	11.3	11.6	12.0	12.4	11.3	11.6	12.0	12.4																										
	HI PR	225	242	245	251	254	273	277	283	289	311	315	322	329	354	359	367	370	398	404	413	415	446	452	462	415	446	452	462	415	446	452	462																										
	LO PR	120	124	136	144	124	128	140	149	128	132	144	154	132	136	148	158	134	138	151	161	138	142	155	165	138	142	155	165	138	142	155	165																										
	MBh	31.5	32.1	34.3	36.7	30.7	31.4	33.5	35.9	30.0	30.6	32.7	35.0	29.3	29.9	31.9	34.1	27.8	28.4	30.3	32.4	25.8	26.3	28.1	30.1	25.8	26.3	28.1	30.1	25.8	26.3	28.1	30.1																										
	S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.66	0.50	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.55	0.96	0.90	0.74	0.55	0.96	0.90	0.74	0.55	0.96	0.90	0.74	0.55																										
	Delta T	25	24	21	17	26	24	21	17	26	25	21	17	26	25	21	17	25	24	21	17	24	23	20	16	24	23	20	16	24	23	20	16																										
	KW	2.01	2.05	2.12	2.19	2.17	2.22	2.29	2.37	2.31	2.36	2.44	2.53	2.44	2.49	2.58	2.67	2.54	2.60	2.69	2.78	2.64	2.70	2.79	2.89	2.64	2.70	2.79	2.89	2.64	2.70	2.79	2.89																										
	AMPS	8.0	8.2	8.4	8.7	8.6	8.8	9.1	9.4	9.3	9.6	9.9	10.2	10.0	10.2	10.5	10.9	10.6	10.8	11.2	11.6	11.2	11.5	11.9	12.3	11.2	11.5	11.9	12.3	11.2	11.5	11.9	12.3																										
	HI PR	223	239	243	248	252	270	274	280	286	308	312	319	326	350	355	363	367	394	400	409	411	441	448	458	411	441	448	458	411	441	448	458																										
	LO PR	119	123	134	143	123	127	138	147	127	131	143	152	130	134	147	156	133	137	150	159	136	140	153	163	136	140	153	163	136	140	153	163																										

* Entering Indoor Dry Bulb Temperature NOTE: Shaded area is AHRI Rating Conditions

DSX160481A*-LOW STAGE

PERFORMANCE DATA

DSX160601A*-LOW STAGE

EXPANDED PERFORMANCE DATA

MODEL: DSX160601A* / CA*F4961*6A* + TXV / MBE2000**-1B*, Design Subcooling @ AHRI 95°F Conditions, 5° - 7°F @ the Serv. Viv.

COOLING OPERATION

		Outdoor Ambient Temperature																							
		65				75				85				95				105				115			
IDB*	Airflow	Entering Indoor Wet Bulb Temperature																							
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
1575	MBh	41.8	43.3	47.5	-	40.8	42.3	46.3	-	39.8	41.3	45.2	-	38.9	40.3	44.1	-	36.9	38.3	41.9	-	34.2	35.5	38.8	-
	S/T	0.75	0.62	0.43	-	0.78	0.65	0.45	-	0.80	0.66	0.46	-	0.82	0.69	0.47	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-
	Delta T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
	KW	2.61	2.67	2.76	-	2.83	2.89	2.99	-	3.02	3.09	3.19	-	3.19	3.26	3.37	-	3.33	3.41	3.52	-	3.45	3.53	3.66	-
	AMPS	10.1	10.3	10.7	-	10.9	11.2	11.6	-	11.9	12.2	12.6	-	12.7	13.0	13.5	-	14.9	15.2	15.8	-	15.7	16.1	16.7	-
	HI PR	231	248	262	-	253	272	276	-	297	319	323	-	338	363	368	-	380	409	415	-	439	472	479	-
	LO PR	120	124	136	-	124	128	140	-	128	132	144	-	132	136	148	-	134	139	151	-	138	142	155	-
1400	MBh	40.6	42.0	46.1	-	39.6	41.1	45.0	-	38.7	40.1	43.9	-	37.7	39.1	42.9	-	35.9	37.2	40.7	-	33.2	34.4	37.7	-
	S/T	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-
	Delta T	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-
	KW	2.59	2.65	2.74	-	2.80	2.87	2.97	-	2.99	3.06	3.17	-	3.16	3.23	3.34	-	3.30	3.38	3.49	-	3.42	3.50	3.62	-
	AMPS	10.0	10.2	10.6	-	10.8	11.1	11.5	-	11.8	12.1	12.5	-	12.6	12.9	13.4	-	14.7	15.1	15.6	-	15.6	15.9	16.5	-
	HI PR	228	246	249	-	251	270	274	-	294	316	320	-	335	360	365	-	376	405	410	-	435	468	474	-
	LO PR	119	123	134	-	123	127	138	-	127	131	143	-	130	134	147	-	133	137	150	-	136	141	153	-
1225	MBh	37.4	38.8	42.5	-	36.6	37.9	41.5	-	35.7	37.0	40.5	-	34.8	36.1	39.6	-	33.1	34.3	37.6	-	30.7	31.8	34.8	-
	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	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
	KW	2.57	2.63	2.72	-	2.78	2.84	2.94	-	2.97	3.03	3.14	-	3.13	3.20	3.31	-	3.27	3.35	3.46	-	3.39	3.47	3.59	-
	AMPS	9.9	10.1	10.5	-	10.7	11.0	11.4	-	11.7	12.0	12.4	-	12.5	12.8	13.2	-	14.6	15.0	15.5	-	15.4	15.8	16.3	-
	HI PR	226	243	247	-	248	267	271	-	291	313	317	-	331	356	361	-	373	401	406	-	431	463	469	-
	LO PR	118	122	133	-	122	125	137	-	126	130	142	-	129	133	145	-	132	136	148	-	135	139	152	-

PERFORMANCE DATA

EXPANDED PERFORMANCE DATA
MODEL: DSX160601A* / CA*F4961*6A* + TXV / MBE2000*-1B*, Design Subcooling @ AHRI 95°F Conditions, 5° - 7°F @ the Serv. Vlv.
COOLING OPERATION

IDB* Airflow			Outdoor Ambient Temperature																																															
			65								75								85								95								105								115							
			Entering Indoor Wet Bulb Temperature																																															
1575	MBh	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																					
	S/T	43.3	44.2	47.2	50.5	42.2	43.2	46.1	49.3	41.2	42.1	45.0	48.1	40.2	41.1	43.9	47.0	38.2	39.1	41.7	44.6	35.4	36.2	38.7	41.3	35.4	36.2	38.7	41.3																					
	Delta T	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	22	23	20	16	21	21	18	15	21	21	18	15																					
	KW	2.61	2.67	2.76	2.86	2.83	2.89	2.99	3.10	3.02	3.09	3.19	3.31	3.19	3.26	3.37	3.49	3.33	3.41	3.52	3.65	3.45	3.53	3.66	3.79	3.45	3.53	3.66	3.79																					
	AMPS	10.1	10.3	10.7	11.1	10.9	11.2	11.6	12.0	11.9	12.2	12.6	13.1	12.7	13.0	13.5	14.0	14.9	15.2	15.8	16.4	15.7	16.1	16.7	17.3	15.7	16.1	16.7	17.3																					
	HI PR	231	248	252	257	253	272	276	282	297	319	323	331	338	363	368	377	380	409	415	424	439	472	479	490	439	472	479	490																					
	LO PR	120	124	136	144	124	128	140	149	128	132	144	154	132	136	148	158	134	139	151	161	138	142	155	165	138	142	155	165																					
1400	MBh	42.0	42.9	45.8	49.0	41.0	41.9	44.8	47.9	40.0	40.9	43.7	46.7	39.1	39.9	42.6	45.6	37.1	37.9	40.5	43.3	34.4	35.1	37.5	40.1	34.4	35.1	37.5	40.1																					
	S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.53	0.95	0.89	0.72	0.54	0.98	0.92	0.74	0.56	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.58																					
	Delta T	25	24	20	16	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	16	23	22	19	15	23	22	19	15																					
	KW	2.59	2.65	2.74	2.83	2.80	2.87	2.97	3.07	2.99	3.06	3.17	3.28	3.16	3.23	3.34	3.46	3.30	3.38	3.49	3.62	3.42	3.50	3.62	3.75	3.42	3.50	3.62	3.75																					
	AMPS	10.0	10.2	10.6	11.0	10.8	11.1	11.5	11.9	11.8	12.1	12.5	13.0	12.6	12.9	13.4	13.9	14.7	15.1	15.6	16.2	15.6	15.9	16.5	17.1	15.6	15.9	16.5	17.1																					
	HI PR	228	246	249	255	251	270	274	280	294	316	320	327	335	360	365	373	376	405	410	419	435	468	474	485	435	468	474	485																					
	LO PR	119	123	134	143	123	127	138	147	127	131	143	152	130	134	147	156	133	137	150	159	136	141	153	163	136	141	153	163																					
1225	MBh	38.8	39.6	42.3	45.2	37.9	38.7	41.3	44.2	37.0	37.8	40.3	43.1	36.1	36.8	39.4	42.1	34.3	35.0	37.4	40.0	31.7	32.4	34.6	37.0	31.7	32.4	34.6	37.0																					
	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	0.98	0.92	0.75	0.56	0.98	0.92	0.75	0.56	0.98	0.92	0.75	0.56																					
	Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	20	16	23	22	20	16																					
	KW	2.57	2.63	2.72	2.81	2.78	2.84	2.94	3.04	2.97	3.03	3.14	3.25	3.13	3.20	3.31	3.43	3.27	3.35	3.46	3.58	3.39	3.47	3.59	3.72	3.39	3.47	3.59	3.72																					
	AMPS	9.9	10.1	10.5	10.9	10.7	11.0	11.4	11.8	11.7	12.0	12.4	12.8	12.5	12.8	13.2	13.7	14.6	15.0	15.5	16.1	15.4	15.8	16.3	17.0	15.4	15.8	16.3	17.0																					
	HI PR	226	243	247	252	248	267	271	277	291	313	317	324	331	356	361	369	373	401	406	415	431	463	469	480	431	463	469	480																					
	LO PR	118	122	133	142	122	125	137	146	126	130	142	151	129	133	145	155	132	136	148	158	135	139	152	162	135	139	152	162																					

DSX160601A*-LOW STAGE

		85																												
1575	MBh	44.0	44.9	47.0	50.1	43.0	43.8	45.9	49.0	42.0	42.8	44.8	47.8	40.9	41.7	43.7	46.6	38.9	39.6	41.5	44.3	36.0	36.7	38.5	41.0					
	S/T	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.79					
	Delta T	25	25	23	20	25	25	24	20	24	25	24	20	24	24	24	21	23	23	23	20	21	21	22	19					
	KW	2.61	2.67	2.76	2.86	2.83	2.89	2.99	3.10	3.02	3.09	3.19	3.31	3.19	3.26	3.37	3.49	3.33	3.41	3.52	3.65	3.45	3.53	3.66	3.79					
	AMPS	10.1	10.3	10.7	11.1	10.9	11.2	11.6	12.0	11.9	12.2	12.6	13.1	12.7	13.0	13.5	14.0	14.9	15.2	15.8	16.4	15.7	16.1	16.7	17.3					
	HI PR	231	248	252	257	253	272	276	282	297	319	323	331	338	363	368	377	380	409	415	424	439	472	479	490					
	LO PR	120	124	136	144	124	128	140	149	128	132	144	154	132	136	148	158	134	139	151	161	138	142	155	165					
1400	MBh	42.7	43.6	45.6	48.7	41.7	42.5	44.6	47.5	40.7	41.5	43.5	46.4	39.7	40.5	42.4	45.3	37.8	38.5	40.3	43.0	35.0	35.7	37.3	39.8					
	S/T	0.93	0.90	0.81	0.66	0.97	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.76					
	Delta T	26	26	24	21	26	26	25	21	27	26	25	21	26	26	25	21	25	25	24	21	23	23	23	20					
	KW	2.59	2.65	2.74	2.83	2.80	2.87	2.97	3.07	2.99	3.06	3.17	3.28	3.16	3.23	3.34	3.46	3.30	3.38	3.49	3.62	3.42	3.50	3.62	3.75					
	AMPS	10.0	10.2	10.6	11.0	10.8	11.1	11.5	11.9	11.8	12.1	12.5	13.0	12.6	12.9	13.4	13.9	14.7	15.1	15.6	16.2	15.6	15.9	16.5	17.1					
	HI PR	228	246	249	255	251	270	274	280	294	316	320	327	335	360	365	373	376	405	410	419	435	468	474	485					
	LO PR	119	123	134	143	123	127	138	147	127	131	143	152	130	134	147	156	133	137	150	159	136	141	153	163					
1225	MBh	39.4	40.2	42.1	44.9	38.5	39.3	41.1	43.9	37.6	38.3	40.1	42.8	36.7	37.4	39.2	41.8	34.8	35.5	37.2	39.7	32.3	32.9	34.5	36.8					
	S/T	0.90	0.87	0.78	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.90	0.73					
	Delta T	26.61	26	25	21	27	26	25	22	27	27	25	22	27	27	25	22	26	26	25	22	24	25	23	20					
	KW	2.57	2.63	2.72	2.81	2.78	2.84	2.94	3.04	2.97	3.03	3.14	3.25	3.13	3.20	3.31	3.43	3.27	3.35	3.46	3.58	3.39	3.47	3.59	3.72					
	AMPS	9.9	10.1	10.5	10.9	10.7	11.0	11.4	11.8	11.7	12.0	12.4	12.8	12.5	12.8	13.2	13.7	14.6	15.0	15.5	16.1	15.4	15.8	16.3	17.0					
	HI PR	226	243	247	252	248	267	271	277	291	313	317	324	331	356	361	369	373	401	406	415	431	463	469	480					
	LO PR	118	122	133	142	122	125	137	146	126	130	142	151	129	133	145	155	132	136	148	158	135	139	152	162					

COOLING PERFORMANCE DATA

DSX160241A*-HIGH STAGE

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DSX160241A* / CA*F3636C6** + TXV / MBE1200**-1B*, Design Subcooling @ AHRI 95°F Conditions, 5°F @ Serv. Vlv.

		Outdoor Ambient Temperature																							
		65				75				85				95				105				115			
IDB*	Airflow	Entering Indoor Wet Bulb Temperature																							
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
900	MBh	23.5	24.4	26.7	-	23.0	23.8	26.1	-	22.4	23.2	25.5	-	21.9	22.7	24.8	-	20.8	21.5	23.6	-	19.3	20.0	21.9	-
	S/T	0.76	0.63	0.44	-	0.78	0.66	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	-
	Delta T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
	KW	1.50	1.53	1.58	-	1.62	1.65	1.71	-	1.72	1.76	1.82	-	1.81	1.86	1.92	-	1.89	1.94	2.00	-	1.96	2.01	2.07	-
	AMPS	5.9	6.0	6.2	-	6.4	6.5	6.7	-	6.9	7.1	7.3	-	7.4	7.5	7.8	-	7.8	8.0	8.3	-	8.3	8.5	8.7	-
	HI PR	237	255	268	-	268	288	292	-	304	327	332	-	347	373	378	-	390	419	425	-	437	470	476	-
800	LO PR	122	125	137	-	125	129	141	-	129	134	146	-	133	137	150	-	136	140	153	-	139	143	156	-
	MBh	22.8	23.7	25.9	-	22.3	23.1	25.3	-	21.8	22.6	24.7	-	21.2	22.0	24.1	-	20.2	20.9	22.9	-	18.7	19.4	21.2	-
	S/T	0.72	0.60	0.42	-	0.75	0.63	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	-
	Delta T	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-
	KW	1.49	1.52	1.57	-	1.61	1.64	1.69	-	1.71	1.75	1.80	-	1.80	1.84	1.90	-	1.88	1.92	1.98	-	1.94	1.99	2.06	-
	AMPS	5.9	6.0	6.2	-	6.3	6.5	6.7	-	6.8	7.0	7.2	-	7.3	7.5	7.7	-	7.8	7.9	8.2	-	8.2	8.4	8.7	-
700	HI PR	234	252	256	-	265	285	289	-	301	324	329	-	343	369	374	-	386	415	421	-	432	465	471	-
	LO PR	120	124	136	-	124	128	140	-	128	132	144	-	132	136	148	-	134	138	151	-	138	142	155	-
	MBh	21.1	21.8	23.9	-	20.6	21.3	23.4	-	20.1	20.8	22.8	-	19.6	20.3	22.3	-	18.6	19.3	21.1	-	17.3	17.9	19.6	-
	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	-
	Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
	KW	1.48	1.51	1.56	-	1.59	1.63	1.68	-	1.69	1.73	1.79	-	1.78	1.82	1.89	-	1.86	1.90	1.97	-	1.93	1.97	2.04	-
700	AMPS	5.8	5.9	6.1	-	6.3	6.4	6.6	-	6.8	6.9	7.2	-	7.2	7.4	7.6	-	7.7	7.9	8.1	-	8.1	8.3	8.6	-
	HI PR	232	249	253	-	262	282	286	-	298	321	325	-	340	365	370	-	382	411	417	-	428	460	467	-
	LO PR	119	123	134	-	123	127	138	-	127	131	143	-	130	134	147	-	133	137	150	-	136	140	153	-

900	MBh	23.9	24.6	26.7	28.6	23.4	24.1	26.0	27.9	22.8	23.5	25.4	27.3	22.2	22.9	24.8	26.6	21.1	21.8	23.6	25.3	19.6	20.2	21.8	23.4
	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
	Delta T	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10
	KW	1.50	1.53	1.58	1.63	1.62	1.65	1.71	1.77	1.72	1.76	1.82	1.88	1.81	1.86	1.92	1.98	1.89	1.94	2.00	2.07	1.96	2.01	2.07	2.15
	AMPS	5.9	6.0	6.2	6.5	6.4	6.5	6.7	7.0	6.9	7.1	7.3	7.6	7.4	7.5	7.8	8.1	7.8	8.0	8.3	8.6	8.3	8.5	8.7	9.1
	HI PR	237	255	258	264	268	288	292	298	304	327	332	339	347	373	378	386	390	419	425	435	437	470	476	487
800	LO PR	122	125	137	146	125	129	141	150	129	134	146	155	133	137	150	159	136	140	153	163	139	143	156	167
	MBh	23.2	23.9	25.9	27.8	22.7	23.4	25.3	27.1	22.1	22.8	24.7	26.5	21.6	22.2	24.1	25.8	20.5	21.1	22.9	24.5	19.0	19.6	21.2	22.7
	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	0.81	0.61	0.39	0.93	0.84	0.63	0.41	0.94	0.84	0.64	0.41
	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
	KW	1.49	1.52	1.57	1.62	1.61	1.64	1.69	1.75	1.71	1.75	1.80	1.87	1.80	1.84	1.90	1.97	1.88	1.92	1.98	2.05	1.94	1.99	2.06	2.13
	AMPS	5.9	6.0	6.2	6.4	6.3	6.5	6.7	6.9	6.8	7.0	7.2	7.5	7.3	7.5	7.7	8.0	7.8	7.9	8.2	8.5	8.2	8.4	8.7	9.0
700	HI PR	234	252	256	261	265	285	289	295	301	324	329	336	343	369	374	382	386	415	421	430	432	465	471	482
	LO PR	120	124	136	144	124	128	140	149	128	132	144	154	132	136	148	158	134	138	151	161	138	142	155	165
	MBh	21.4	22.1	23.9	25.6	20.9	21.6	23.3	25.0	20.4	21.0	22.8	24.4	19.9	20.5	22.2	23.8	18.9	19.5	21.1	22.7	17.5	18.1	19.6	21.0
	S/T	0.79	0.71	0.54	0.34	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
	Delta T	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	22	21	17	12	21	19	16	11
	AMPS	5.8	5.9	6.1	6.3	6.3	6.4	6.6	6.8	6.8	6.9	7.2	7.4	7.2	7.4	7.6	7.9	7.7	7.9	8.1	8.4	8.1	8.3	8.6	8.9
700	HI PR	232	249	253	259	262	282	286	292	298	321	325	332	340	365	370	379	382	411	417	426	428	460	467	477
	LO PR	119	123	134	143	123	127	138	147	127	131	143	152	130	134	147	156	133	137	150	159	136	140	153	163

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NOTE: Shaded area is ACCA (TVA) conditions

Entering Indoor Dry Bulb Temperature

COOLING PERFORMANCE DATA

DSX160241A*-HIGH STAGE

EXPANDED PERFORMANCE DATA
MODEL: DSX160241A* / CA*F3636C6** + TXV / MBE1200**-1B*, Design Subcooling @ AHRI 95°F Conditions, 5°F @ Serv. Vlv.

MODEL: DSA160Z41A / CA F3636C8 - 4 TAV / MBE1200 - 1B ; Design Suppcooling @ ANRI 93 F Conditions, 3 F @ Seiv. Viv.																															
		Outdoor Ambient Temperature															COOLING OPERATION														
		65					75					85					95					105					115				
IDB*	Airflow	Entering Indoor Wet Bulb Temperature																													
900	MBh	24.3	24.9	26.6	28.4	23.8	24.3	26.0	27.7	23.2	23.7	25.3	27.1	22.6	23.1	24.7	26.4	21.5	22.0	23.5	25.1	19.9	20.4	21.8	23.3	19.9	20.4	21.8	23.3		
	S/T	0.94	0.89	0.72	0.54	1.00	0.92	0.75	0.56	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62		
	Delta T	23	22	20	16	24	23	20	16	24	23	20	16	23	24	20	16	22	22	20	16	20	21	18	15	20	21	18	15		
	KW	1.50	1.53	1.58	1.63	1.62	1.65	1.71	1.77	1.72	1.76	1.82	1.88	1.81	1.86	1.92	1.98	1.89	1.94	2.00	2.07	1.96	2.01	2.07	2.15	1.96	2.01	2.07	2.15		
	AMPS	5.9	6.0	6.2	6.5	6.4	6.5	6.7	7.0	6.9	7.1	7.3	7.6	7.4	7.5	7.8	8.1	7.8	8.0	8.3	8.6	8.3	8.5	8.7	9.1	8.3	8.5	8.7	9.1		
	HIPR	237	255	258	264	268	288	292	298	304	327	332	339	347	373	378	386	390	419	425	435	437	470	476	487	437	470	476	487		
	LO PR	122	125	137	146	125	129	141	150	129	134	146	155	133	137	150	159	136	140	153	163	139	143	156	167	139	143	156	167		
800	MBh	23.6	24.1	25.8	27.6	23.1	23.6	25.2	26.9	22.5	23.0	24.6	26.3	22.0	22.5	24.0	25.7	20.9	21.3	22.8	24.4	19.3	19.8	21.1	22.6	19.3	19.8	21.1	22.6		
	S/T	0.90	0.84	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.97	0.79	0.59	1.00	0.97	0.79	0.59		
	Delta T	24	23	20	16	25	24	21	16	25	24	21	16	25	24	21	17	24	24	21	16	22	22	19	15	22	22	19	15		
	KW	1.49	1.52	1.57	1.62	1.61	1.64	1.69	1.75	1.71	1.75	1.80	1.87	1.80	1.84	1.90	1.97	1.88	1.92	1.98	2.05	1.94	1.99	2.06	2.13	1.94	1.99	2.06	2.13		
	AMPS	5.9	6.0	6.2	6.4	6.3	6.5	6.7	6.9	6.8	7.0	7.2	7.5	7.3	7.5	7.7	8.0	7.8	7.9	8.2	8.5	8.2	8.4	8.7	9.0	8.2	8.4	8.7	9.0		
	HIPR	234	252	256	261	265	285	289	295	301	324	329	336	343	369	374	382	386	415	421	430	432	465	471	482	432	465	471	482		
	LO PR	120	124	136	144	124	128	140	149	128	132	144	154	132	136	148	158	134	138	151	161	138	142	155	165	138	142	155	165		
700	MBh	21.8	22.3	23.8	25.5	21.3	21.8	23.3	24.9	20.8	21.3	22.7	24.3	20.3	20.7	22.2	23.7	19.3	19.7	21.0	22.5	17.9	18.2	19.5	20.8	17.9	18.2	19.5	20.8		
	S/T	0.87	0.81	0.66	0.50	0.90	0.84	0.69	0.51	0.92	0.87	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	1.00	0.93	0.76	0.57		
	Delta T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	16	23	22	19	16		
	KW	1.48	1.51	1.56	1.61	1.59	1.63	1.68	1.74	1.69	1.73	1.79	1.85	1.78	1.82	1.89	1.95	1.86	1.90	1.97	2.04	1.93	1.97	2.04	2.11	1.93	1.97	2.04	2.11		
	AMPS	5.8	5.9	6.1	6.3	6.3	6.4	6.6	6.8	6.8	6.9	7.2	7.4	7.2	7.4	7.6	7.9	7.7	7.9	8.1	8.4	8.1	8.3	8.6	8.9	8.1	8.3	8.6	8.9		
	HIPR	232	249	253	259	262	282	286	292	298	321	325	332	340	365	370	379	382	411	417	426	428	460	467	477	428	460	467	477		
	LO PR	119	123	134	143	123	127	138	147	127	131	143	152	130	134	147	156	133	137	150	159	136	140	153	163	136	140	153	163		

85	MBh	24.8	25.2	26.4	28.2	24.2	24.7	25.8	27.6	23.6	24.1	25.2	26.9	23.0	23.5	24.6	26.2	21.9	22.3	23.4	24.9	20.3	20.7	21.6	23.1	20.3	20.7	21.6	23.1	23.1
	S/T	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.80	1.00	1.00	0.99	0.80	1.00	1.00	0.99	0.80	0.80
	Delta T	25	25	23	20	25	25	24	20	24	25	24	20	24	24	24	21	22	23	23	20	21	21	22	19	21	21	22	19	19
	KW	1.50	1.53	1.58	1.63	1.62	1.65	1.71	1.77	1.72	1.76	1.82	1.88	1.81	1.86	1.92	1.98	1.89	1.94	2.00	2.07	1.96	2.01	2.07	2.15	1.96	2.01	2.07	2.15	2.15
	AMPS	5.9	6.0	6.2	6.5	6.4	6.5	6.7	7.0	6.9	7.1	7.3	7.6	7.4	7.5	7.8	8.1	7.8	8.0	8.3	8.6	8.3	8.5	8.7	9.1	8.3	8.5	8.7	9.1	9.1
	HIPR	237	255	258	264	268	288	292	298	304	327	332	339	347	373	378	386	390	419	425	435	437	470	476	487	437	470	476	487	487
	LO PR	122	125	137	146	125	129	141	150	129	134	146	155	133	137	150	159	136	140	153	163	139	143	156	167	139	143	156	167	167
	MBh	24.0	24.5	25.7	27.4	23.5	23.9	25.1	26.8	22.9	23.4	24.5	26.1	22.4	22.8	23.9	25.5	21.2	21.7	22.7	24.2	19.7	20.1	21.0	22.4	19.7	20.1	21.0	22.4	22.4
	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	0.94	0.76	1.00	1.00	0.94	0.77	1.00	1.00	0.94	0.77	0.77
	Delta T	26	26	24	21	26	26	25	21	26	26	25	21	26	26	25	21	24	25	24	21	23	23	23	20	23	23	23	20	20
	KW	1.49	1.52	1.57	1.62	1.61	1.64	1.69	1.75	1.71	1.75	1.80	1.87	1.80	1.84	1.90	1.97	1.88	1.92	1.98	2.05	1.94	1.99	2.06	2.13	1.94	1.99	2.06	2.13	2.13
800	AMPS	5.9	6.0	6.2	6.4	6.3	6.5	6.7	6.9	6.8	7.0	7.2	7.5	7.3	7.5	7.7	8.0	7.8	7.9	8.2	8.5	8.2	8.4	8.7	9.0	8.2	8.4	8.7	9.0	9.0
	HIPR	234	252	256	261	265	285	289	295	301	324	329	336	343	369	374	382	386	415	421	430	432	465	471	482	432	465	471	482	482
	LO PR	120	124	136	144	124	128	140	149	128	132	144	154	132	136	148	158	134	138	151	161	138	142	155	165	138	142	155	165	165
	MBh	22.2	22.6	23.7	25.3	21.7	22.1	23.1	24.7	21.2	21.6	22.6	24.1	20.6	21.0	22.0	23.5	19.6	20.0	20.9	22.3	18.2	18.5	19.4	20.7	18.2	18.5	19.4	20.7	20.7
	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	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74	0.74
	Delta T	26.53	26	25	21	27	26	25	22	27	27	26	22	27	27	25	22	26	26	25	21	24	24	23	20	24	24	23	20	20
	KW	1.48	1.51	1.56	1.61	1.59	1.63	1.68	1.74	1.69	1.73	1.79	1.85	1.78	1.82	1.89	1.95	1.86	1.90	1.97	2.04	1.93	1.97	2.04	2.11	1.93	1.97	2.04	2.11	2.11
	AMPS	5.8	5.9	6.1	6.3	6.3	6.4	6.6	6.8	6.8	6.9	7.2	7.4	7.2	7.4	7.6	7.9	7.7	7.9	8.1	8.4	8.1	8.3	8.6	8.9	8.1	8.3	8.6	8.9	8.9
	HIPR	232	249	253	259	262	282	286	292	298	321	325	332	340	365	370	379	382	411	417	426	428	460	467	477	428	460	467	477	477
	LO PR	119	123	134	143	123	127	138	147	127	131	143	152	130	134	147	156	133	137	150	159	136	140	153	163	136	140	153	163	163

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

COOLING PERFORMANCE DATA

DSX160241B*-HIGH STAGE

EXPANDED PERFORMANCE DATA

COOLING OPERATION

HIGH STAGE

MODEL: DSX160241B* / CA*F3636*G**+TXV+MBE1200**-1* Design Subcooling 5 - 7 °F @ the liquid service valve, AHRI 95 test conditions

		Outdoor Ambient Temperature																105																115															
		65				75				85				95																																			
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																				
	MBh	23.5	24.4	26.7	-	23.0	23.8	26.1	-	22.4	23.2	25.5	-	21.9	22.7	24.8	-	20.8	21.5	23.6	-	19.3	20.0	21.9	-																								
	S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-																								
	Delta T	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-																								
	KW	1.42	1.45	1.50	-	1.54	1.57	1.63	-	1.64	1.68	1.74	-	1.73	1.77	1.83	-	1.81	1.85	1.92	-	1.88	1.92	1.99	-																								
	AMPS	5.5	5.6	5.8	-	5.9	6.1	6.3	-	6.4	6.6	6.8	-	6.9	7.1		-	7.3	7.5	7.8	-	7.8	8.0	8.2	-																								
	HI PR	211	227	240	-	237	255	269	-	269	290	306	-	307	330	348	-	345	371	392	-	381	410	433	-																								
	LO PR	101	108	118	-	107	114	124	-	111	118	129	-	117	124	136	-	122	130	142	-	127	135	147	-																								
	MBh	22.8	23.7	25.9	-	22.3	23.1	25.3	-	21.8	22.6	24.7	-	21.2	22.0	24.1	-	20.2	20.9	22.9	-	18.7	19.4	21.2	-																								
	S/T	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.77	0.64	0.45	-																								
	Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-																								
	KW	1.41	1.44	1.49	-	1.53	1.56	1.61	-	1.63	1.66	1.72	-	1.72	1.76	1.82	-	1.79	1.84	1.90	-	1.86	1.90	1.97	-																								
	AMPS	5.4	5.6	5.8	-	5.9	6.0	6.2	-	6.4	6.5	6.8	-	6.8	7.0	7.2	-	7.3	7.4	7.7	-	7.7	7.9	8.2	-																								
	HI PR	209	225	237	-	234	252	266	-	267	287	303	-	304	327	345	-	342	368	388	-	377	406	429	-																								
	LO PR	100	107	116	-	106	113	123	-	110	117	128	-	116	123	134	-	121	129	141	-	125	133	146	-																								
	MBh	21.1	21.8	23.9	-	20.6	21.3	23.4	-	20.1	20.8	22.8	-	19.6	20.3	22.3	-	18.6	19.3	21.1	-	17.3	17.9	19.6	-																								
	S/T	0.65	0.54	0.37	-	0.67	0.56	0.39	-	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.74	0.61	0.43	-	0.74	0.62	0.43	-																								
	Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-																								
	KW	1.37	1.41	1.45	-	1.49	1.52	1.57	-	1.58	1.62	1.68	-	1.67	1.71	1.77	-	1.75	1.79	1.85	-	1.81	1.85	1.92	-																								
	AMPS	5.3	5.4	5.6	-	5.7	5.9	6.0	-	6.2	6.4	6.6	-	6.6	6.8	7.0	-	7.1	7.2	7.5	-	7.5	7.7	7.9	-																								
	HI PR	203	218	230	-	227	245	258	-	259	278	294	-	294	317	335	-	331	356	376	-	366	394	416	-																								
	LO PR	97	103	113	-	103	109	119	-	107	114	124	-	112	119	130	-	118	125	136	-	122	129	141	-																								

HIGH STAGE

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DSX160241B* / CA*F3636*6**+TXV+MBE1200**-.1*

Design Subcooling 5 - 7 °F @ the liquid service valve, AHR195 test conditions

		65					75					85					95					105					115				
		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	59	63	67	71	59	63	67	71		
	878	MBh	24.3	24.9	26.6	28.4	23.8	24.3	26.0	27.7	23.2	23.7	25.3	27.1	22.6	23.1	24.7	26.4	21.5	22.0	23.5	25.1	19.9	20.4	21.8	23.3	19.9	20.4	21.8	23.3	
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.94	0.76	0.57	1.00	0.94	0.77	0.57	1.00	0.94	0.77	0.57	
		Delta T	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	18	14	21	20	18	14	
		KW	1.45	1.48	1.53	1.58	1.57	1.60	1.66	1.71	1.67	1.71	1.77	1.83	1.76	1.80	1.87	1.93	1.84	1.88	1.95	2.02	1.91	1.95	2.02	2.09	1.91	1.95	2.02	2.09	
		AMPS	5.6	5.7	5.9	6.1	6.0	6.2	6.4	6.6	6.6	6.7	6.9	7.2	7.0	7.2	7.4	7.7	7.5	7.7	7.9	8.2	7.9	8.1	8.4	8.7	7.9	8.1	8.4	8.7	
	780	HI PR	215	232	245	255	242	260	274	286	275	296	312	326	313	337	356	371	352	379	400	417	389	418	442	461	389	418	442	461	
		LO PR	103	110	120	128	109	116	127	135	113	121	132	140	119	127	138	147	125	133	145	154	129	137	150	160	129	137	150	160	
		MBh	23.6	24.1	25.8	27.6	23.1	23.6	25.2	26.9	22.5	23.0	24.6	26.3	22.0	22.5	24.0	25.7	20.9	21.3	22.8	24.4	19.3	19.8	21.1	22.6	19.3	19.8	21.1	22.6	
		S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55	0.96	0.90	0.73	0.55	
		Delta T	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	22	20	16	22	21	18	15	22	21	18	15
	780	KW	1.43	1.47	1.52	1.57	1.55	1.59	1.64	1.70	1.66	1.69	1.75	1.81	1.75	1.79	1.85	1.92	1.83	1.87	1.93	2.00	1.89	1.94	2.00	2.08	1.89	1.94	2.00	2.08	
		AMPS	5.5	5.7	5.9	6.1	6.0	6.1	6.3	6.6	6.5	6.7	6.9	7.1	7.0	7.1	7.4	7.6	7.4	7.6	7.8	8.1	7.8	8.0	8.3	8.6	7.8	8.0	8.3	8.6	
		HI PR	213	229	242	253	239	257	272	283	272	293	309	322	310	333	352	367	348	375	396	413	385	414	438	456	385	414	438	456	
		LO PR	102	109	119	126	108	115	125	134	112	119	130	139	118	125	137	146	124	132	144	153	128	136	149	158	128	136	149	158	
		MBh	21.8	22.3	23.8	25.5	21.3	21.8	23.3	24.9	20.8	21.3	22.7	24.3	20.3	20.7	22.2	23.7	19.3	19.7	21.0	22.5	17.9	18.2	19.5	20.8	17.9	18.2	19.5	20.8	
	683	S/T	0.81	0.76	0.62	0.46	0.84	0.78	0.64	0.48	0.86	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.93	0.87	0.71	0.53	0.93	0.87	0.71	0.53	
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15	22	21	19	15	
		KW	1.40	1.43	1.48	1.53	1.51	1.55	1.60	1.65	1.61	1.65	1.71	1.77	1.70	1.74	1.80	1.86	1.78	1.82	1.88	1.95	1.84	1.89	1.95	2.02	1.84	1.89	1.95	2.02	
		AMPS	5.4	5.5	5.7	5.9	5.8	6.0	6.2	6.4	6.3	6.5	6.7	6.9	6.8	6.9	7.2	7.4	7.2	7.4	7.6	7.9	7.6	7.8	8.1	8.4	7.6	7.8	8.1	8.4	
		HI PR	207	222	235	245	232	250	264	275	264	284	300	313	300	323	341	356	338	364	384	401	373	402	424	443	373	402	424	443	
LO PR	99	106	115	123	105	112	122	130	109	116	127	135	114	122	133	142	120	128	139	148	124	132	144	153	124	132	144	153			

COOLING PERFORMANCE DATA

DSX160361A*-HIGH STAGE

EXPANDED PERFORMANCE DATA

MODEL: DSX160361A* / CA*F3743*6A* + TXV / MBE1600**-.1B*, Design Subcooling @ AHRI 95°F Conditions, 5° - 7°F @ the Serv. Vlv.

		65										75										85										105										115									
		Outdoor Ambient Temperature																																																	
		Entering Indoor Wet Bulb Temperature																																																	
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																		
70	1356	MBh	33.9	35.1	38.5	-	33.1	34.3	37.6	-	32.3	33.5	36.7	-	31.5	32.7	35.8	-	30.0	31.1	34.0	-	27.8	28.8	31.5	-	27.8	28.8	31.5	-	27.8	28.8	31.5	-																	
		S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-	0.82	0.69	0.48	-	0.82	0.69	0.48	-																	
		Delta T	1.7	1.4	1.1	-	1.7	1.4	1.1	-	1.7	1.4	1.1	-	1.7	1.5	1.1	-	1.7	1.4	1.1	-	1.6	1.3	1.0	-	1.6	1.3	1.0	-	1.6	1.3	1.0	-																	
		KW	2.14	2.18	2.25	-	2.31	2.36	2.43	-	2.45	2.51	2.59	-	2.58	2.64	2.73	-	2.69	2.76	2.85	-	2.79	2.85	2.95	-	2.79	2.85	2.95	-	2.79	2.85	2.95	-																	
		AMPS	8.1	8.3	8.6	-	8.8	9.0	9.3	-	9.5	9.7	10.0	-	10.1	10.4	10.7	-	10.8	11.1	11.4	-	11.4	11.7	12.1	-	11.4	11.7	12.1	-	11.4	11.7	12.1	-																	
	HI PR	232	249	253	-	262	282	286	-	298	321	325	-	340	365	370	-	367	394	400	-	435	467	474	-	435	467	474	-	435	467	474	-																		
	LO PR	116	120	131	-	119	123	135	-	124	127	139	-	127	131	143	-	129	133	146	-	133	137	149	-	133	137	149	-	133	137	149	-																		
	MBh	32.9	34.1	37.4	-	32.2	33.3	36.5	-	31.4	32.5	35.6	-	30.6	31.7	34.8	-	29.1	30.2	33.0	-	26.9	27.9	30.6	-	26.9	27.9	30.6	-	26.9	27.9	30.6	-																		
	S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.79	0.66	0.45	-	0.79	0.66	0.45	-	0.79	0.66	0.45	-																		
	Delta T	1.7	1.5	1.1	-	1.7	1.5	1.1	-	1.8	1.5	1.1	-	1.8	1.5	1.2	-	1.7	1.5	1.1	-	1.6	1.4	1.1	-	1.6	1.4	1.1	-	1.6	1.4	1.1	-																		
1043	1200	KW	2.12	2.17	2.24	-	2.29	2.34	2.41	-	2.43	2.49	2.57	-	2.56	2.62	2.71	-	2.67	2.73	2.82	-	2.77	2.83	2.93	-	2.77	2.83	2.93	-	2.77	2.83	2.93	-																	
		AMPS	8.0	8.2	8.5	-	8.7	8.9	9.2	-	9.4	9.6	10.0	-	10.1	10.3	10.6	-	10.7	11.0	11.3	-	11.3	11.6	12.0	-	11.3	11.6	12.0	-	11.3	11.6	12.0	-																	
		HI PR	230	247	250	-	260	279	283	-	295	317	322	-	336	362	367	-	363	390	396	-	430	463	469	-	430	463	469	-	430	463	469	-																	
		LO PR	115	119	129	-	118	122	133	-	122	126	138	-	126	130	141	-	128	132	144	-	131	135	148	-	131	135	148	-	131	135	148	-																	
		MBh	30.4	31.5	34.5	-	29.7	30.8	33.7	-	29.0	30.0	32.9	-	28.3	29.3	32.1	-	26.9	27.8	30.5	-	24.9	25.8	28.2	-	24.9	25.8	28.2	-	24.9	25.8	28.2	-																	
	S/T	0.66	0.55	0.38	-	0.68	0.57	0.40	-	0.70	0.59	0.41	-	0.72	0.61	0.42	-	0.75	0.63	0.44	-	0.76	0.63	0.44	-	0.76	0.63	0.44	-	0.76	0.63	0.44	-																		
	Delta T	1.8	1.5	1.2	-	1.8	1.5	1.2	-	1.8	1.6	1.2	-	1.8	1.6	1.2	-	1.8	1.5	1.2	-	1.7	1.4	1.1	-	1.7	1.4	1.1	-	1.7	1.4	1.1	-																		
	KW	2.10	2.15	2.22	-	2.27	2.32	2.39	-	2.41	2.47	2.55	-	2.54	2.60	2.68	-	2.65	2.71	2.80	-	2.74	2.81	2.90	-	2.74	2.81	2.90	-	2.74	2.81	2.90	-																		
	AMPS	8.0	8.2	8.4	-	8.6	8.8	9.1	-	9.3	9.6	9.9	-	10.0	10.2	10.5	-	10.6	10.9	11.2	-	11.2	11.5	11.9	-	11.2	11.5	11.9	-	11.2	11.5	11.9	-																		
	HI PR	227	244	248	-	257	276	280	-	292	314	319	-	333	358	363	-	360	387	392	-	426	458	465	-	426	458	465	-	426	458	465	-																		
LO PR	114	117	128	-	117	121	132	-	121	125	136	-	124	128	140	-	127	131	143	-	130	134	146	-	130	134	146	-	130	134	146	-																			

75	1356	MBh	34.5	35.5	38.4	41.2	33.7	34.7	37.5	40.3	32.9	33.8	36.6	39.3	32.1	33.0	35.7	38.4	30.5	31.4	34.0	36.4	28.2	29.1	31.5	33.8
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
		Delta T	1.9	1.8	1.4	1.0	1.9	1.8	1.5	1.0	1.9	1.8	1.5	1.0	1.9	1.8	1.5	1.0	1.9	1.8	1.4	1.0	1.8	1.7	1.4	9
		KW	2.14	2.18	2.25	2.33	2.31	2.36	2.43	2.51	2.45	2.51	2.59	2.68	2.58	2.64	2.73	2.82	2.69	2.76	2.85	2.95	2.79	2.85	2.95	3.05
		AMPS	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.1	10.4	10.7	11.1	10.8	11.1	11.4	11.9	11.4	11.7	12.1	12.6
	HI PR	232	249	253	259	262	282	286	292	298	321	325	332	340	365	370	379	367	394	400	409	435	467	474	484	
	LO PR	116	120	131	139	119	123	135	143	124	127	139	148	127	131	143	152	129	133	146	155	133	137	149	159	
	1200	MBh	33.5	34.5	37.3	40.0	32.7	33.7	36.4	39.1	31.9	32.9	35.6	38.2	31.1	32.1	34.7	37.2	29.6	30.5	33.0	35.4	27.4	28.2	30.5	32.8
		S/T	0.78	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.89	0.79	0.60	0.39	0.89	0.80	0.61	0.39
		Delta T	2.0	1.8	1.5	1.0	2.0	1.9	1.5	1.1	2.0	1.9	1.5	1.1	2.0	1.9	1.5	1.1	2.0	1.9	1.5	1.0	1.9	1.7	1.4	1.0
KW		2.12	2.17	2.24	2.31	2.29	2.34	2.41	2.49	2.43	2.49	2.57	2.66	2.56	2.62	2.71	2.80	2.67	2.73	2.82	2.92	2.77	2.83	2.93	3.03	
AMPS		8.0	8.2	8.5	8.8	8.7	8.9	9.2	9.5	9.4	9.6	10.0	10.3	10.1	10.3	10.6	11.0	10.7	11.0	11.3	11.7	11.3	11.6	12.0	12.4	
1043	HI PR	230	247	250	256	260	279	283	289	295	317	322	329	336	362	367	375	363	390	396	405	430	463	469	480	
	LO PR	115	119	129	138	118	122	133	142	122	126	138	147	126	130	141	151	128	132	144	154	131	135	148	157	
	MBh	30.9	31.8	34.4	37.0	30.2	31.1	33.6	36.1	29.5	30.3	32.8	35.2	28.7	29.6	32.0	34.4	27.3	28.1	30.4	32.7	25.3	26.0	28.2	30.3	
	S/T	0.75	0.67	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.86	0.77	0.58	0.38	
	Delta T	2.0	1.9	1.5	1.1	2.1	1.9	1.6	1.1	2.1	1.9	1.6	1.1	2.1	1.9	1.6	1.1	2.1	1.9	1.6	1.1	1.9	1.8	1.4	1.0	
1043	KW	2.10	2.15	2.22	2.29	2.27	2.32	2.39	2.47	2.41	2.47	2.55	2.63	2.54	2.60	2.68	2.78	2.65	2.71	2.80	2.90	2.74	2.81	2.90	3.00	
	AMPS	8.0	8.2	8.4	8.7	8.6	8.8	9.1	9.4	9.3	9.6	9.9	10.2	10.0	10.2	10.5	10.9	10.6	10.9	11.2	11.6	11.2	11.5	11.9	12.3	
	HI PR	227	244	248	253	257	276	280	286	292	314	319	326	333	358	363	371	360	387	392	401	426	458	465	475	
	LO PR	114	117	128	136	117	121	132	140	121	125	136	145	124	128	140	149	127	131	143	152	130	134	146	156	

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DSX160361A* / CA*F3743*6A* + TXV / MBE1600**-1B*, Design Subcooling @ AHRI 95°F Conditions, 5° - 7°F @ the Serv. Vlv.

IDB*		Outdoor Ambient Temperature																													
		65					75					85					95					105					115				
		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			
1356	MEh	35.1	35.9	38.3	41.0	34.3	35.0	37.4	40.0	33.5	34.2	36.5	39.0	32.6	33.4	35.6	38.1	31.0	31.7	33.9	36.2	28.7	29.4	31.4	33.5	28.7	29.4	31.4	33.5		
	S/I	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	1.00	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59		
	Delta T	21	20	18	14	22	21	18	14	22	21	18	14	22	21	18	14	21	21	18	14	19	19	17	13	19	19	17	13		
	KW	2.14	2.18	2.25	2.33	2.31	2.36	2.43	2.51	2.45	2.51	2.59	2.68	2.58	2.64	2.73	2.82	2.69	2.76	2.85	2.95	2.79	2.85	2.95	3.05	2.79	2.85	2.95	3.05		
	AMPS	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.1	10.4	10.7	11.1	10.8	11.1	11.4	11.9	11.4	11.7	12.1	11.4	11.7	12.1	11.4	12.6		
	Hi PR	292	249	253	259	262	282	286	292	298	321	325	332	340	365	370	379	367	394	400	409	435	467	474	484	435	467	474	484		
	LO PR	116	120	131	139	119	123	135	143	124	127	139	148	127	131	143	152	129	133	146	155	133	137	149	159	133	137	149	159		
1200	MEh	34.1	34.8	37.2	39.8	33.3	34.0	36.3	38.8	32.5	33.2	35.5	37.9	31.7	32.4	34.6	37.0	30.1	30.8	32.9	35.1	27.9	28.5	30.4	32.5	27.9	28.5	30.4	32.5		
	S/I	0.85	0.80	0.65	0.49	0.88	0.83	0.68	0.50	0.91	0.85	0.69	0.52	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56	0.98	0.92	0.75	0.56		
	Delta T	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	21	19	15	21	20	17	14	21	20	17	14		
	KW	2.12	2.17	2.24	2.31	2.29	2.34	2.41	2.49	2.43	2.49	2.57	2.66	2.56	2.62	2.71	2.80	2.67	2.73	2.82	2.92	2.77	2.83	2.93	3.03	2.77	2.83	2.93	3.03		
	AMPS	8.0	8.2	8.5	8.8	8.7	8.9	9.2	9.5	9.4	9.6	10.0	10.3	10.1	10.3	10.6	11.0	10.7	11.0	11.3	11.7	11.3	11.6	12.0	12.4	11.3	11.6	12.0	12.4		
	Hi PR	230	247	250	256	260	279	283	289	295	317	322	329	336	362	367	375	363	390	396	405	430	463	469	480	430	463	469	480		
	LO PR	115	119	129	138	118	122	133	142	122	126	138	147	126	130	141	151	128	132	144	154	131	135	148	157	131	135	148	157		
1043	MEh	31.4	32.1	34.3	36.7	30.7	31.4	33.5	35.8	30.0	30.6	32.7	35.0	29.3	29.9	31.9	34.1	27.8	28.4	30.3	32.4	25.7	26.3	28.1	30.0	25.7	26.3	28.1	30.0		
	S/I	0.82	0.77	0.63	0.47	0.85	0.80	0.65	0.49	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.94	0.88	0.72	0.53	0.95	0.89	0.72	0.54	0.95	0.89	0.72	0.54		
	Delta T	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	16	23	22	19	15	21	21	18	14	21	21	18	14		
	KW	2.10	2.15	2.22	2.29	2.27	2.32	2.39	2.47	2.41	2.47	2.55	2.63	2.54	2.60	2.68	2.78	2.65	2.71	2.80	2.90	2.74	2.81	2.90	3.00	2.74	2.81	2.90	3.00		
	AMPS	8.0	8.2	8.4	8.7	8.6	8.8	9.1	9.4	9.3	9.6	9.9	10.2	10.0	10.2	10.5	10.9	10.6	10.9	11.2	11.6	11.2	11.5	11.9	12.3	11.2	11.5	11.9	12.3		
	Hi PR	227	244	248	253	257	276	280	286	292	314	319	326	333	358	363	371	360	387	392	401	426	458	465	475	426	458	465	475		
	LO PR	114	117	128	136	117	121	132	140	121	125	136	145	124	128	140	149	127	131	143	152	130	134	146	156	130	134	146	156		

1356	MbH	35.7	36.4	38.1	40.7	34.9	35.6	37.2	39.7	34.0	34.7	36.3	38.8	33.2	33.9	35.5	37.8	31.6	32.2	33.7	35.9	29.2	29.8	31.2	33.3
	S/T	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.94	0.76
	Delta T	23	22	21	18	23	23	21	19	23	23	21	19	23	23	22	19	21	22	21	18	20	20	17	
	KW	2.14	2.18	2.25	2.33	2.31	2.36	2.43	2.51		2.45	2.51	2.59	2.68	2.58	2.64	2.73	2.82	2.69	2.76	2.85	2.95	2.79	2.85	3.05
	AMPS	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.6		9.5	9.7	10.0	10.4	10.1	10.4	10.7	11.1	10.8	11.1	11.4	11.9	11.4	11.7	12.1
	HI PR	232	249	253	259	262	282	286	292		298	321	325	332	340	365	370	379	367	394	400	409	435	467	474
	LO PR	116	120	131	139	119	123	135	143		124	127	139	148	127	131	143	152	129	133	146	155	133	137	149
1200	MbH	34.7	35.3	37.0	39.5	33.9	34.5	36.1	38.6	33.1	33.7	35.3	37.6	32.2	32.9	34.4	36.7	30.6	31.2	32.7	34.9	28.4	28.9	30.3	32.3
	S/T	0.90	0.86	0.78	0.63	0.93	0.90	0.81	0.66	0.95	0.92	0.83	0.67	0.98	0.95	0.86	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.89	0.73
	Delta T	24	23	22	19	24	24	22	19	24	24	22	19	24	24	23	20	23	24	22	19	22	22	21	18
	KW	2.12	2.17	2.24	2.31	2.29	2.34	2.41	2.49		2.43	2.49	2.57	2.66	2.56	2.62	2.71	2.80	2.67	2.73	2.82	2.92	2.77	2.83	3.03
	AMPS	8.0	8.2	8.5	8.8	8.7	8.9	9.2	9.5		9.4	9.6	10.0	10.3	10.1	10.3	10.6	11.0	10.7	11.0	11.3	11.7	11.3	11.6	12.0
	HI PR	230	247	250	256	260	279	283	289		295	317	322	329	336	362	367	375	363	390	396	405	430	463	480
	LO PR	115	119	129	138	118	122	133	142		122	126	138	147	126	130	141	151	128	132	144	154	131	135	148
1043	MbH	32.0	32.6	34.2	36.4	31.3	31.9	33.4	35.6	30.5	31.1	32.6	34.7	29.8	30.3	31.8	33.9	28.3	28.8	30.2	32.2	26.2	26.7	28.0	29.8
	S/T	0.86	0.83	0.75	0.61	0.89	0.86	0.78	0.63	0.92	0.89	0.80	0.65	0.95	0.91	0.82	0.67	0.98	0.95	0.86	0.69	0.99	0.96	0.86	0.70
	Delta T	24	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	23	22	21	18
	KW	2.10	2.15	2.22	2.29	2.27	2.32	2.39	2.47		2.41	2.47	2.55	2.63	2.54	2.60	2.68	2.78	2.65	2.71	2.80	2.90	2.74	2.81	2.90
	AMPS	8.0	8.2	8.4	8.7	8.6	8.8	9.1	9.4		9.3	9.6	9.9	10.2	10.0	10.2	10.5	10.9	10.6	10.9	11.2	11.6	11.2	11.5	11.9
	HI PR	227	244	248	253	257	276	280	286		292	314	319	326	333	358	363	371	360	387	392	401	426	458	465
	LO PR	114	117	128	136	117	121	132	140		121	125	136	145	124	128	140	149	127	131	143	152	130	134	146

NOTE: Shaded area is ARI Rating Conditions

Entering Indoor Dry Bulb Temperature

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DSX160361B*-HIGH STAGE

HIGH STAGE

MODEL: DSX160361B* / CA*F3743*G+TXV+MBE1600**-1* Design Subcooling 5 - 7 °F @ the liquid service valve, AHRI 95 test conditions**

IDB	Airflow	Outdoor Ambient Temperature																																			
		65						75						85						95						105						115					
		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								
1294	MBh	34.3	35.5	38.9	-	33.5	34.7	38.0	-	32.7	33.9	37.1	-	31.9	33.1	36.2	-	30.3	31.4	34.4	-	28.1	29.1	31.9	-	28.1	29.1	31.9	-								
	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-								
	Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-								
	KW	2.16	2.21	2.28	-	2.34	2.39	2.47	-	2.49	2.54	2.63	-	2.62	2.68	2.78	-	2.74	2.80	2.90	-	2.84	2.90	3.00	-	2.84	2.90	3.00	-								
	AMPS	8.7	8.9	9.2	-	9.4	9.6	9.9	-	10.2	10.5	10.8	-	10.9	11.2	11.6	-	11.7	11.9	12.3	-	12.4	12.7	13.1	-	12.4	12.7	13.1	-								
1150	Hi PR	225	242	255	-	252	271	287	-	287	309	326	-	327	352	371	-	367	395	418	-	406	437	461	-	406	437	461	-								
	LO PR	105	112	122	-	111	118	129	-	115	123	134	-	121	129	141	-	127	135	147	-	131	140	152	-	131	140	152	-								
	MBh	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.1	-	31.0	32.1	35.2	-	29.4	30.5	33.4	-	27.3	28.3	31.0	-	27.3	28.3	31.0	-								
	S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-								
	Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	17	15	11	-								
1006	KW	2.14	2.19	2.26	-	2.32	2.37	2.45	-	2.47	2.52	2.61	-	2.60	2.66	2.75	-	2.72	2.78	2.87	-	2.81	2.88	2.98	-	2.81	2.88	2.98	-								
	AMPS	8.6	8.8	9.1	-	9.3	9.5	9.9	-	10.1	10.4	10.7	-	10.8	11.1	11.5	-	11.5	11.8	12.2	-	12.2	12.5	13.0	-	12.2	12.5	13.0	-								
	Hi PR	222	239	253	-	250	269	284	-	284	306	323	-	323	348	368	-	364	392	413	-	402	433	457	-	402	433	457	-								
	LO PR	104	111	121	-	110	117	127	-	114	121	132	-	120	127	139	-	126	134	146	-	130	138	151	-	130	138	151	-								
	MBh	30.7	31.9	34.9	-	30.0	31.1	34.1	-	29.3	30.4	33.3	-	28.6	29.6	32.5	-	27.2	28.2	30.8	-	25.2	26.1	28.6	-	25.2	26.1	28.6	-								
1006	S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-								
	Delta T	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	16	13	-	18	15	12	-	18	15	12	-								
	KW	2.09	2.14	2.21	-	2.26	2.31	2.38	-	2.40	2.46	2.54	-	2.53	2.59	2.68	-	2.64	2.71	2.80	-	2.74	2.80	2.90	-	2.74	2.80	2.90	-								
	AMPS	8.4	8.6	8.8	-	9.0	9.3	9.6	-	9.8	10.1	10.4	-	10.5	10.8	11.2	-	11.2	11.5	11.9	-	11.9	12.2	12.6	-	11.9	12.2	12.6	-								
	Hi PR	216	232	245	-	242	261	275	-	275	296	313	-	314	338	356	-	353	380	401	-	390	420	443	-	390	420	443	-								
1006	LO PR	101	107	117	-	106	113	124	-	111	118	129	-	116	124	135	-	122	130	141	-	126	134	146	-	126	134	146	-								

1294	MBh	34.9	35.9	38.9	41.7	34.1	35.1	38.0	40.7	33.3	34.2	37.1	39.8	32.4	33.4	36.2	38.8	30.8	31.7	34.4	36.9	28.6	29.4	31.8	34.2	
	ST	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.38	0.89	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42	
	Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10	
	KW	2.18	2.23	2.30	2.38	2.36	2.41	2.49	2.57	2.51	2.57	2.65	2.75	2.65	2.71	2.80	2.90	2.76	2.83	2.92	3.03	2.86	2.93	3.03	3.14	
	AMPS	8.8	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.3	10.6	10.9	11.3	11.0	11.3	11.7	12.1	11.8	12.1	12.5	13.0	12.5	12.8	13.2	13.7	
	HI PR	227	244	258	269	255	274	289	302	290	312	329	343	330	355	375	391	371	399	422	440	410	441	466	486	
	LOPR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	158	133	141	154	164	
	MBh	33.9	34.9	37.7	40.5	33.1	34.1	36.9	39.6	32.3	33.2	36.0	38.6	31.5	32.4	35.1	37.7	29.9	30.8	33.3	35.8	27.7	28.5	30.9	33.2	
	ST	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.82	0.62	0.40	
	Delta T	22	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	22	20	16	11	20	19	15	11	
	KW	2.16	2.21	2.28	2.36	2.34	2.39	2.47	2.55	2.49	2.55	2.63	2.72	2.62	2.68	2.78	2.87	2.74	2.80	2.90	3.00	2.84	2.90	3.00	3.11	
	1150	AMPS	8.7	8.9	9.2	9.5	9.4	9.6	9.9	10.3	10.2	10.5	10.8	11.2	10.9	11.2	11.6	12.0	11.7	11.9	12.4	12.8	12.4	12.7	13.1	13.6
HI PR		225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	461	481	
LOPR		105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162	
MBh		31.3	32.2	34.8	37.4	30.5	31.4	34.0	36.5	29.8	30.7	33.2	35.6	29.1	29.9	32.4	34.8	27.6	28.4	30.8	33.0	25.6	26.3	28.5	30.6	
ST		0.77	0.69	0.52	0.33	0.79	0.71	0.54	0.35	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.88	0.79	0.60	0.38	
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	
KW		2.11	2.15	2.23	2.30	2.28	2.33	2.40	2.49	2.43	2.48	2.56	2.65	2.56	2.61	2.70	2.80	2.67	2.73	2.82	2.92	2.76	2.83	2.93	3.03	
AMPS		8.4	8.6	8.9	9.3	9.1	9.4	9.7	10.0	9.9	10.2	10.5	10.9	10.6	10.9	11.3	11.7	11.3	11.6	12.0	12.5	12.0	12.3	12.7	13.2	
HI PR		218	235	248	258	245	263	278	290	278	299	316	330	317	341	360	376	357	384	405	423	394	424	448	467	
LOPR		102	108	118	126	108	114	125	133	112	119	130	138	117	125	136	145	123	131	143	152	127	135	148	157	
1006																										

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NOTE: Shaded area is ACCA (TVA) conditions

Entering Indoor Dry Bulb Temperature

MODEL: DSX160361B* / CA*F3743*6**+TXV+MBE1600**-1*
Design Subcooling 5 - 7 °F @ the liquid service valve, AHRI 95 test conditions

IDB*		Outdoor Ambient Temperature																																															
		65								75								85								95								105								115							
		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																				
1294	MBh	35.5	36.3	38.8	41.4	34.7	35.4	37.9	40.5	33.8	34.6	37.0	39.5	33.0	33.7	36.1	38.5	31.4	32.1	34.2	36.6	29.1	29.7	31.7	33.9	29.1	29.7	31.7	33.9																				
	S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60	1.00	1.00	0.80	0.60																				
	Delta T	23	22	19	15	23	22	19	16	24	22	19	16	23	23	20	16	22	23	19	15	21	21	18	14	21	21	18	14																				
	KW	2.20	2.25	2.32	2.40	2.38	2.43	2.51	2.60	2.53	2.59	2.68	2.77	2.67	2.73	2.82	2.92	2.79	2.85	2.95	3.05	2.89	2.96	3.06	3.16	2.89	2.96	3.06	3.16																				
	AMPS	8.8	9.1	9.4	9.7	9.6	9.8	10.1	10.5	10.4	10.7	11.0	11.5	11.1	11.4	11.8	12.3	11.9	12.2	12.6	13.1	12.6	12.9	13.4	13.9	12.6	12.9	13.4	13.9																				
	Hi PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	414	446	471	491	414	446	471	491																				
	LO PR	107	114	124	132	113	120	131	140	118	125	137	145	123	131	143	153	129	138	150	160	134	142	155	166	134	142	155	166																				
80	MBh	34.5	35.2	37.6	40.2	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	35.0	37.4	30.5	31.1	33.3	35.5	28.2	28.8	30.8	32.9	28.2	28.8	30.8	32.9																				
	S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57	1.00	0.94	0.76	0.57																				
	Delta T	24	23	20	16	24	23	20	16	24	23	20	16	25	23	20	16	24	23	20	16	23	22	19	15	23	22	19	15																				
	KW	2.18	2.23	2.30	2.38	2.36	2.41	2.49	2.57	2.51	2.57	2.65	2.75	2.65	2.71	2.80	2.90	2.76	2.83	2.92	3.03	2.86	2.93	3.03	3.14	2.86	2.93	3.03	3.14																				
	AMPS	8.8	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.3	10.6	10.9	11.3	11.0	11.3	11.7	12.2	11.8	12.1	12.5	13.0	12.5	12.8	13.2	13.7	12.5	12.8	13.2	13.7																				
	Hi PR	227	244	258	269	255	274	290	302	290	312	329	343	330	355	375	391	371	400	422	440	410	441	466	486	410	441	466	486																				
	LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	158	133	141	154	164	133	141	154	164																				
1006	MBh	31.8	32.5	34.7	37.1	31.1	31.7	33.9	36.3	30.3	31.0	33.1	35.4	29.6	30.2	32.3	34.5	28.1	28.7	30.7	32.8	26.0	26.6	28.4	30.4	26.0	26.6	28.4	30.4																				
	S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.50	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55	0.97	0.91	0.74	0.55																				
	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	23	22	19	15																				
	KW	2.13	2.17	2.24	2.32	2.30	2.35	2.43	2.51	2.45	2.50	2.59	2.67	2.58	2.64	2.73	2.82	2.69	2.75	2.85	2.95	2.79	2.85	2.95	3.05	2.79	2.85	2.95	3.05																				
	AMPS	8.5	8.7	9.0	9.4	9.2	9.4	9.8	10.1	10.0	10.3	10.6	11.0	10.7	11.0	11.4	11.8	11.4	11.7	12.1	12.6	12.1	12.4	12.9	13.4	12.1	12.4	12.9	13.4																				
	Hi PR	220	237	250	261	247	266	281	293	281	302	319	333	320	344	364	379	360	388	409	427	398	428	452	472	398	428	452	472																				
	LO PR	103	109	119	127	109	116	126	134	113	120	131	140	119	126	138	147	124	132	144	154	129	137	149	159	129	137	149	159																				

85	1294	MBh	36.1	36.8	38.6	41.1	35.3	36.0	37.7	40.2	34.4	35.1	36.8	39.2	33.6	34.2	35.9	38.3	31.9	32.5	34.1	36.4	29.6	30.1	31.6	33.7
		ST	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		Delta T	25	24	23	20	25	24	23	20	24	25	23	20	24	24	23	20	23	23	23	20	21	21	21	19
		KW	2.22	2.27	2.34	2.42	2.40	2.45	2.53	2.62	2.55	2.61	2.70	2.79	2.69	2.75	2.85	2.95	2.81	2.88	2.98	3.08	2.91	2.98	3.08	3.19
		AMPS	8.9	9.1	9.4	9.8	9.7	9.9	10.2	10.6	10.5	10.8	11.1	11.6	11.2	11.5	11.9	12.4	12.0	12.3	12.7	13.2	12.7	13.0	13.5	14.0
		Hi PR	232	249	263	275	260	280	295	308	296	318	336	350	337	362	383	399	379	408	430	449	418	450	475	496
		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
		MBh	35.1	35.7	37.4	39.9	34.3	34.9	36.6	39.0	33.4	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.6	32.7
	1150	ST	0.91	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74
		Delta T	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	25	25	24	21	23	23	22	19
		KW	2.20	2.25	2.32	2.40	2.38	2.43	2.51	2.60	2.53	2.59	2.68	2.77	2.67	2.73	2.82	2.92	2.79	2.85	2.95	3.05	2.89	2.96	3.06	3.16
		AMPS	8.8	9.1	9.4	9.7	9.6	9.8	10.1	10.5	10.4	10.7	11.0	11.5	11.1	11.4	11.8	12.3	11.9	12.2	12.6	13.1	12.6	12.9	13.4	13.9
		Hi PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	414	446	471	491
		LO PR	107	114	124	132	113	120	131	140	118	125	137	145	123	131	143	153	129	138	150	160	134	142	155	166
		MBh	32.4	33.0	34.6	36.9	31.6	32.2	33.8	36.0	30.9	31.5	32.9	35.1	30.1	30.7	32.1	34.3	28.6	29.2	30.5	32.6	26.5	27.0	28.3	30.2
		ST	0.88	0.85	0.77	0.62	0.91	0.88	0.80	0.65	0.94	0.90	0.82	0.66	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.98	0.88	0.71
1006	Delta T	26	26	24	21	26	26	25	21	26	26	25	21	27	26	25	21	26	26	24	21	24	24	23	20	
	KW	2.14	2.19	2.26	2.34	2.32	2.37	2.45	2.53	2.47	2.52	2.61	2.70	2.60	2.66	2.75	2.85	2.71	2.78	2.87	2.97	2.81	2.88	2.98	3.08	
	AMPS	8.6	8.8	9.1	9.4	9.3	9.5	9.8	10.2	10.1	10.4	10.7	11.1	10.8	11.1	11.5	11.9	11.5	11.8	12.2	12.7	12.2	12.5	13.0	13.5	
	Hi PR	222	239	253	264	250	269	284	296	284	305	323	336	323	348	367	383	364	391	413	431	402	432	457	476	
	LO PR	104	110	121	128	110	117	127	136	114	121	132	141	120	127	139	148	126	134	146	155	130	138	151	161	

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

COOLING PERFORMANCE DATA

DSX160481A*-HIGH STAGE

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DSX160481A* / CA*F4961*6A* + TXV / MBE2000*-1B*, Design Subcooling @ AHRI 95°F Conditions, 5° - 7°F @ the Serv. Vlv.

IDB*		Outdoor Ambient Temperature																														
		65					75					85					95						105					115				
		Entering Indoor Wet Bulb Temperature																														
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71			
70	1744	MBh	46.1	47.7	52.3	-	45.0	46.6	51.1	-	43.9	45.5	49.9	-	42.8	44.4	48.7	-	40.7	42.2	46.2	-	37.7	39.1	42.8	-	-	-	-	-		
		ST	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.82	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.51	-	0.88	0.74	0.51	-	-	-	-	-		
		Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	15	12	-	-	-	-	-		
		KW	2.94	3.01	3.10	-	3.18	3.25	3.36	-	3.38	3.46	3.58	-	3.57	3.65	3.77	-	3.72	3.81	3.94	-	3.86	3.95	4.08	-	-	-	-	-		
		AMPS	11.4	11.7	12.1	-	12.3	12.6	13.0	-	13.4	13.7	14.2	-	14.3	14.7	15.2	-	15.2	15.6	16.1	-	16.1	16.5	17.1	-	-	-	-	-		
	1550	HI PR	241	259	262	-	272	292	297	-	309	333	337	-	352	379	384	-	396	426	432	-	444	477	484	-	-	-	-	-		
		LOPR	120	124	135	-	123	127	139	-	127	131	144	-	131	135	147	-	133	138	150	-	137	141	154	-	-	-	-	-		
		MBh	44.7	46.3	50.8	-	43.7	45.3	49.6	-	42.6	44.2	48.4	-	41.6	43.1	47.2	-	39.5	41.0	44.9	-	36.6	37.9	41.6	-	-	-	-	-		
		ST	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-	-	-	-	-		
		Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-	-	-	-	-		
75	1550	KW	2.92	2.98	3.08	-	3.15	3.22	3.33	-	3.36	3.43	3.55	-	3.54	3.62	3.74	-	3.69	3.78	3.91	-	3.83	3.91	4.05	-	-	-	-	-		
		AMPS	11.3	11.6	12.0	-	12.2	12.5	12.9	-	13.3	13.6	14.0	-	14.2	14.5	15.0	-	15.1	15.5	16.0	-	16.0	16.4	16.9	-	-	-	-	-		
		HI PR	238	256	260	-	269	289	294	-	306	329	334	-	349	375	380	-	392	422	428	-	439	472	479	-	-	-	-	-		
		LOPR	119	122	133	-	122	126	137	-	126	130	142	-	130	134	146	-	132	136	149	-	135	140	152	-	-	-	-	-		
		MBh	41.3	42.8	46.9	-	40.3	41.8	45.8	-	39.4	40.8	44.7	-	38.4	39.8	43.6	-	36.5	37.8	41.4	-	33.8	35.0	38.4	-	-	-	-	-		
	1356	ST	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.81	0.68	0.47	-	-	-	-	-		
		Delta T	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-	-	-	-	-		
		KW	2.89	2.96	3.05	-	3.12	3.19	3.30	-	3.33	3.40	3.52	-	3.51	3.59	3.71	-	3.66	3.74	3.87	-	3.79	3.88	4.01	-	-	-	-	-		
		AMPS	11.2	11.5	11.8	-	12.1	12.4	12.8	-	13.2	13.5	13.9	-	14.1	14.4	14.9	-	15.0	15.3	15.8	-	15.9	16.2	16.8	-	-	-	-	-		
		HI PR	236	254	257	-	267	287	291	-	303	326	331	-	345	371	376	-	388	418	424	-	435	468	474	-	-	-	-	-		
LOPR	117	121	132	-	121	125	136	-	125	129	141	-	128	132	144	-	131	135	147	-	134	138	151	-	-	-	-	-				
75	1744	MBh	46.8	48.2	52.2	56.0	45.7	47.1	51.0	54.7	44.7	46.0	49.8	53.4	43.6	44.9	48.6	52.1	41.4	42.6	46.1	49.5	38.3	39.5	42.7	45.9	-	-	-	-		
		ST	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.40	0.96	0.86	0.65	0.42	0.99	0.89	0.67	0.43	1.00	0.90	0.68	0.44	-	-	-	-		
		Delta T	22	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	22	20	16	11	20	19	15	11	-	-	-	-		
		KW	2.94	3.01	3.10	3.21	3.18	3.25	3.36	3.47	3.38	3.46	3.58	3.70	3.57	3.65	3.77	3.90	3.72	3.81	3.94	4.08	3.86	3.95	4.08	4.23	-	-	-	-		
		AMPS	11.4	11.7	12.1	12.5	12.3	12.6	13.0	13.5	13.4	13.7	14.2	14.7	14.3	14.7	15.2	15.7	15.2	15.6	16.1	16.8	16.1	16.5	17.1	17.8	-	-	-	-		
	1550	HI PR	241	259	262	268	272	292	297	303	309	333	337	345	352	379	384	393	396	426	432	442	444	477	484	495	-	-	-	-		
		LOPR	120	124	135	144	123	127	139	148	127	131	144	153	131	135	147	157	133	138	150	160	137	141	154	164	-	-	-	-		
		MBh	45.5	46.8	50.7	54.4	44.4	45.7	49.5	53.1	43.4	44.6	48.3	51.9	42.3	43.6	47.1	50.6	40.2	41.4	44.8	48.1	37.2	38.3	41.5	44.5	-	-	-	-		
		ST	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.38	0.88	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.85	0.65	0.42	-	-	-	-		
		Delta T	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11	-	-	-	-		
75	1550	KW	2.92	2.98	3.08	3.18	3.15	3.22	3.33	3.44	3.36	3.43	3.55	3.67	3.54	3.62	3.74	3.87	3.69	3.78	3.91	4.04	3.83	3.91	4.05	4.19	-	-	-	-		
		AMPS	11.3	11.6	12.0	12.4	12.2	12.5	12.9	13.4	13.3	13.6	14.0	14.6	14.2	14.5	15.0	15.6	15.1	15.5	16.0	16.6	16.0	16.4	16.9	17.6	-	-	-	-		
		HI PR	238	256	260	265	269	289	294	300	306	329	334	341	349	375	380	389	392	422	428	437	439	472	479	490	-	-	-	-		
		LOPR	119	122	133	142	122	126	137	146	126	130	142	151	130	134	146	155	132	136	149	158	135	140	152	162	-	-	-	-		
		MBh	42.0	43.2	46.8	50.2	41.0	42.2	45.7	49.0	40.0	41.2	44.6	47.9	39.0	40.2	43.5	46.7	37.1	38.2	41.3	44.4	34.4	35.4	38.3	41.1	-	-	-	-		
	1356	ST	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40	-	-	-	-		
		Delta T	23	21	17	12	23	21	17	12	23	21	17	12	23	21	18	12	23	21	17	12	21	20	16	11	-	-	-	-		
		KW	2.89	2.96	3.05	3.16	3.12	3.19	3.30	3.41	3.33	3.40	3.52	3.64	3.51	3.59	3.71	3.84	3.66	3.74	3.87	4.01	3.79	3.88	4.01	4.15	-	-	-	-		
		AMPS	11.2	11.5	11.8	12.3	12.1	12.4	12.8	13.3	13.2	13.5	13.9	14.4	14.1	14.4	14.9	15.4	15.0	15.3	15.8	16.4	15.9	16.2	16.8	17.4	-	-	-	-		
		HI PR	236	254	257	263	267	287	291	297	303	326	331	338	345	371	376	385	388	418	424	433	435	468	474	485	-	-	-	-		
LOPR	117	121	132	141	121	125	136	145	125	129	141	150	128	132	144	154	131	135	147	157	134	138	151	161	-	-	-	-				

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COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DSX160481A* / CA*F4961*6A* + TXV / MBE2000*-1B*, Design Subcooling @ AHRI 95°F Conditions, 5° - 7°F @ the Serv. Vlv.

		Outdoor Ambient Temperature																													
		65					75					85					95					105					115				
IDB*	Airflow	Entering Indoor Wet Bulb Temperature																													
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71						
1744	MBh	47.7	48.7	52.0	55.6	46.6	47.6	50.8	54.3	45.5	46.4	49.6	53.0	44.3	45.3	48.4	51.8	42.1	43.0	46.0	49.2	39.0	39.9	42.6	45.5						
	S/T	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.95	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63						
	Delta T	24	23	20	16	25	23	20	16	24	23	20	16	23	24	20	16	22	23	20	16	21	21	19	15						
	KW	2.94	3.01	3.10	3.21	3.18	3.25	3.36	3.47	3.38	3.46	3.58	3.70	3.57	3.65	3.77	3.90	3.72	3.81	3.94	4.08	3.86	3.95	4.08	4.23						
	AMPS	11.4	11.7	12.1	12.5	12.3	12.6	13.0	13.5	13.4	13.7	14.2	14.7	14.3	14.7	15.2	15.7	15.2	15.6	16.1	16.8	16.1	16.5	17.1	17.8						
	HI PR	241	259	262	268	272	292	297	303	309	333	337	345	352	379	384	393	396	426	432	442	444	477	484	495						
1550	LO PR	120	124	135	144	123	127	139	148	127	131	144	153	131	135	147	157	133	138	150	160	137	141	154	164						
	MBh	46.3	47.3	50.5	54.0	45.2	46.2	49.4	52.8	44.1	45.1	48.2	51.5	43.1	44.0	47.0	50.2	40.9	41.8	44.7	47.7	37.9	38.7	41.4	44.2						
	S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.60						
	Delta T	25	24	21	17	25	24	21	17	25	24	21	17	26	24	21	17	24	24	21	17	22	23	20	16						
	KW	2.92	2.98	3.08	3.18	3.15	3.22	3.33	3.44	3.36	3.43	3.55	3.67	3.54	3.62	3.74	3.87	3.69	3.78	3.91	4.04	3.83	3.91	4.05	4.19						
	AMPS	11.3	11.6	12.0	12.4	12.2	12.5	12.9	13.4	13.3	13.6	14.0	14.6	14.2	14.5	15.0	15.6	15.1	15.5	16.0	16.6	16.0	16.4	16.9	17.6						
1366	HI PR	238	256	260	265	269	289	294	300	306	329	334	341	349	375	380	389	392	422	428	437	439	472	479	490						
	LO PR	119	122	133	142	122	126	137	146	126	130	142	151	130	134	146	155	132	136	149	158	135	140	152	162						
	MBh	42.7	43.6	46.6	49.9	41.7	42.6	45.6	48.7	40.7	41.6	44.5	47.5	39.7	40.6	43.4	46.4	37.8	38.6	41.2	44.1	35.0	35.7	38.2	40.8						
	S/T	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.01	0.95	0.77	0.58						
	Delta T	25	24	21	17	26	25	21	17	26	25	22	17	26	25	22	17	26	25	21	17	24	23	20	16						
	KW	2.89	2.96	3.05	3.16	3.12	3.19	3.30	3.41	3.33	3.40	3.52	3.64	3.51	3.59	3.71	3.84	3.66	3.74	3.87	4.01	3.79	3.88	4.01	4.15						
80	AMPS	11.2	11.5	11.8	12.3	12.1	12.4	12.8	13.3	13.2	13.5	13.9	14.4	14.1	14.4	14.9	15.4	15.0	15.3	15.8	16.4	15.9	16.2	16.8	17.4						
	HI PR	236	254	257	263	267	287	291	297	303	326	331	338	345	371	376	385	388	418	424	433	435	468	474	485						
	LO PR	117	121	132	141	121	125	136	145	125	129	141	150	128	132	144	154	131	135	147	157	134	138	151	161						
	MBh	48.5	49.4	51.8	55.2	47.4	48.3	50.6	54.0	46.2	47.1	49.4	52.7	45.1	46.0	48.2	51.4	42.9	43.7	45.8	48.8	39.7	40.5	42.4	45.2						
	S/T	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.99	0.81	1.00	1.00	0.96	0.78						
	Delta T	26	25	24	21	25	25	24	21	24	25	24	21	24	24	24	21	23	23	24	21	21	21	22	19						
Entering Indoor Dry Bulb Temperature		NOTE: Shaded area is AHRI Rating Conditions																													

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COOLING PERFORMANCE DATA

DSX160601A*-HIGH STAGE

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: DSX160601A* / CA*F4961*6A* + TXV / MBE2000*-1B*, Design Subcooling @ AHRI 95°F Conditions, 5° - 7°F @ the Serv. Viv.

		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	
70	2025	MBh	55.9	57.9	63.4	-	54.6	56.5	62.0	-	53.3	55.2	60.5	-	52.0	53.9	59.0	-	49.4	51.2	56.1	-	45.7	47.4	51.9	-
		S/T	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
		Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		KW	3.94	4.02	4.15	-	4.25	4.34	4.48	-	4.52	4.62	4.77	-	4.76	4.86	5.03	-	4.96	5.07	5.24	-	5.14	5.25	5.43	-
		AMPS	14.2	14.5	15.0	-	15.4	15.8	16.3	-	16.8	17.2	17.8	-	18.0	18.4	19.0	-	21.0	21.6	22.3	-	22.2	22.8	23.6	-
	1800	HI PR	247	266	269	-	271	292	296	-	318	342	346	-	362	389	395	-	407	438	444	-	470	506	513	-
		LO PR	118	121	132	-	121	125	136	-	125	129	141	-	128	132	145	-	131	135	148	-	134	138	151	-
		MBh	54.2	56.2	61.6	-	53.0	54.9	60.1	-	51.7	53.6	58.7	-	50.4	52.3	57.3	-	47.9	49.7	54.4	-	44.4	46.0	50.4	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.49	-
		Delta T	20	18	13	-	20	18	13	-	20	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-
1575	2025	KW	3.91	3.99	4.12	-	4.21	4.30	4.44	-	4.48	4.58	4.73	-	4.72	4.82	4.98	-	4.92	5.03	5.20	-	5.09	5.21	5.39	-
		AMPS	14.0	14.4	14.9	-	15.2	15.6	16.1	-	16.6	17.0	17.6	-	17.8	18.2	18.9	-	20.8	21.4	22.1	-	22.0	22.6	23.4	-
		HI PR	245	263	267	-	269	289	293	-	314	338	343	-	358	385	391	-	403	433	439	-	466	501	508	-
		LO PR	116	120	131	-	120	124	135	-	124	128	139	-	127	131	143	-	130	134	146	-	133	137	150	-
		MBh	50.1	51.9	56.8	-	48.9	50.7	55.5	-	47.7	49.5	54.2	-	46.6	48.3	52.9	-	44.2	45.8	50.2	-	41.0	42.5	46.5	-
	1800	S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.81	0.68	0.47	-
		Delta T	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
		KW	3.87	3.96	4.08	-	4.18	4.27	4.41	-	4.44	4.54	4.69	-	4.68	4.78	4.94	-	4.88	4.99	5.16	-	5.05	5.17	5.34	-
		AMPS	13.9	14.3	14.7	-	15.1	15.5	16.0	-	16.4	16.9	17.4	-	17.6	18.1	18.7	-	20.6	21.1	21.9	-	21.8	22.3	23.1	-
		HI PR	242	260	264	-	266	286	290	-	311	335	340	-	355	381	387	-	399	429	435	-	461	496	503	-
LO PR	115	119	130	-	119	122	134	-	123	126	138	-	126	130	142	-	128	132	145	-	132	136	148	-		

IDB* Airflow		Outdoor Ambient Temperature																													
		65					75					85					95					105					115				
		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						
2025	MBh	57.8	59.1	63.1	67.5	56.5	57.7	61.6	65.9	55.1	56.3	60.2	64.3	53.8	55.0	58.7	62.8	51.1	52.2	55.8	59.6	47.3	48.4	51.7	55.2						
	S/T	0.95	0.90	0.73	0.54	1.00	0.93	0.76	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63						
	Delta T	25	24	21	17	26	24	21	17	25	24	21	17	24	25	21	17	23	24	21	17	21	22	20	16						
	KW	3.94	4.02	4.15	4.29	4.25	4.34	4.48	4.63	4.52	4.62	4.77	4.93	4.76	4.86	5.03	5.20	4.96	5.07	5.24	5.42	5.14	5.25	5.43	5.62						
	AMPS	14.2	14.5	15.0	15.6	15.4	15.8	16.3	16.9	16.8	17.2	17.8	18.5	18.0	18.4	19.0	19.8	21.0	21.6	22.3	23.2	22.2	22.8	23.6	24.5						
	HI PR	247	266	269	275	271	292	296	302	318	342	346	354	362	389	395	403	407	438	444	454	470	506	513	524						
	LO PR	118	121	132	141	121	125	136	145	125	129	141	150	128	132	145	154	131	135	148	157	134	138	151	161						
1800	MBh	56.1	57.4	61.3	65.5	54.8	56.0	59.9	64.0	53.5	54.7	58.4	62.5	52.2	53.4	57.0	60.9	49.6	50.7	54.2	57.9	45.9	46.9	50.2	53.6						
	S/T	0.91	0.85	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.60						
	Delta T	26	25	22	17	26	25	22	18	26	25	22	18	27	26	22	18	25	25	22	17	23	24	20	16						
	KW	3.91	3.99	4.12	4.25	4.21	4.30	4.44	4.59	4.48	4.58	4.73	4.89	4.72	4.82	4.98	5.15	4.92	5.03	5.20	5.38	5.09	5.21	5.39	5.57						
	AMPS	14.0	14.4	14.9	15.5	15.2	15.6	16.1	16.8	16.6	17.0	17.6	18.3	17.8	18.2	18.9	19.6	20.8	21.4	22.1	23.0	22.0	22.6	23.4	24.3						
	HI PR	245	263	267	273	269	289	293	299	314	338	343	350	358	385	391	399	403	433	439	449	466	501	508	519						
	LO PR	116	120	131	140	120	124	135	144	124	128	139	149	127	131	143	153	130	134	146	156	133	137	150	159						
1575	MBh	51.8	52.9	56.6	60.5	50.6	51.7	55.2	59.1	49.4	50.5	53.9	57.6	48.2	49.2	52.6	56.2	45.8	46.8	50.0	53.4	42.4	43.3	46.3	49.5						
	S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.01	0.95	0.77	0.58						
	Delta T	27	25	22	18	27	26	22	18	27	26	22	18	27	26	23	18	27	26	22	18	25	24	21	17						
	KW	3.87	3.96	4.08	4.22	4.18	4.27	4.41	4.55	4.44	4.54	4.69	4.85	4.68	4.78	4.94	5.11	4.88	4.99	5.16	5.33	5.05	5.17	5.34	5.52						
	AMPS	13.9	14.3	14.7	15.3	15.1	15.5	16.0	16.6	16.4	16.9	17.4	18.1	17.6	18.1	18.7	19.4	20.6	21.1	21.9	22.7	21.8	22.3	23.1	24.0						
	HI PR	242	260	264	270	266	286	290	296	311	335	340	347	355	381	387	395	399	429	435	445	461	496	503	514						
	LO PR	115	119	130	138	119	122	134	142	123	126	138	147	126	130	142	151	128	132	145	154	132	136	148	158						

2025	Delta T	27	26	25	22	26	27	25	22	25	25	25	22	24	24	25	22	22	22	23	20		
	KW	3.94	4.02	4.15	4.29	4.25	4.34	4.48	4.63	4.52	4.62	4.77	4.93	4.76	4.86	5.03	5.20	4.96	5.07	5.24	5.42		
	AMPS	14.2	14.5	15.0	15.6	15.4	15.8	16.3	16.9	16.8	17.2	17.8	18.5	18.0	18.4	19.0	19.8	21.0	21.6	22.3	23.2		
	HI PR	247	266	269	275	271	292	296	302	318	342	346	354	362	389	395	403	407	438	444	454		
	LO PR	118	121	132	141	121	125	136	145	125	129	141	150	128	132	145	154	131	135	148	157		
	MBh	57.1	58.2	61.0	65.0	55.8	56.9	59.6	63.5	54.5	55.5	58.1	62.0	53.1	54.2	56.7	60.5	50.5	51.4	53.9	57.5		
	S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77		
	Delta T	28	27	26	22	28	28	26	23	28	28	26	23	27	28	26	23	24	26	24	21		
	KW	3.91	3.99	4.12	4.25	4.21	4.30	4.44	4.59	4.48	4.58	4.73	4.89	4.72	4.82	4.98	5.15	4.92	5.03	5.20	5.38		
	AMPS	14.0	14.4	14.9	15.5	15.2	15.6	16.1	16.8	16.6	17.0	17.6	18.3	17.8	18.2	18.9	19.6	20.8	21.4	22.1	23.0		
	HI PR	245	263	267	273	269	289	293	299	314	338	343	350	358	385	391	399	403	433	439	449		
	LO PR	116	120	131	140	120	124	135	144	124	128	139	149	127	131	143	153	130	134	146	156		
1800	Delta T	28	28	26	23	29	28	27	23	29	28	27	23	29	28	27	23	27	28	26	23		
	KW	3.87	3.96	4.08	4.22	4.18	4.27	4.41	4.55	4.44	4.54	4.69	4.85	4.68	4.78	4.94	5.11	4.88	4.99	5.16	5.33		
	AMPS	13.9	14.3	14.7	15.3	15.1	15.5	16.0	16.6	16.4	16.9	17.4	18.1	17.6	18.1	18.7	19.4	20.6	21.1	21.9	22.7		
	HI PR	242	260	264	270	266	286	290	296	311	335	340	347	355	381	387	395	399	429	435	445		
	LO PR	115	119	130	138	119	122	134	142	123	126	138	147	126	130	142	151	128	132	145	154		
	1575	Delta T	28	28	26	23	29	28	27	23	29	28	27	23	29	28	27	23	27	28	26	23	
		KW	3.87	3.96	4.08	4.22	4.18	4.27	4.41	4.55	4.44	4.54	4.69	4.85	4.68	4.78	4.94	5.11	4.88	4.99	5.16	5.33	
		AMPS	13.9	14.3	14.7	15.3	15.1	15.5	16.0	16.6	16.4	16.9	17.4	18.1	17.6	18.1	18.7	19.4	20.6	21.1	21.9	22.7	
		HI PR	242	260	264	270	266	286	290	296	311	335	340	347	355	381	387	395	399	429	435	445	
		LO PR	115	119	130	138	119	122	134	142	123	126	138	147	126	130	142	151	128	132	145	154	
		85	Delta T	27	26	25	22	26	27	25	22	25	26	25	22	25	25	25	22	24	24	25	22
			KW	3.94	4.02	4.15	4.29	4.25	4.34	4.48	4.63	4.52	4.62	4.77	4.93	4.76	4.86	5.03	5.20	4.96	5.07	5.24	5.42
AMPS			14.2	14.5	15.0	15.6	15.4	15.8	16.3	16.9	16.8	17.2	17.8	18.5	18.0	18.4	19.0	19.8	21.0	21.6	22.3	23.2	
HI PR			247	266	269	275	271	292	296	302	318	342	346	354	362	389	395	403	407	438	444	454	
LO PR			118	121	132	141	121	125	136	145	125	129	141	150	128	132	145	154	131	135	148	157	
MBh			57.1	58.2	61.0	65.0	55.8	56.9	59.6	63.5	54.5	55.5	58.1	62.0	53.1	54.2	56.7	60.5	50.5	51.4	53.9	57.5	
S/T			0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	
Delta T	28		27	26	22	28	28	26	23	28	28	26	23	27	28	26	23	24	26	24	21		
KW	3.91		3.99	4.12	4.25	4.21	4.30	4.44	4.59	4.48	4.58	4.73	4.89	4.72	4.82	4.98	5.15	4.92	5.03	5.20	5.38		
AMPS	14.0		14.4	14.9	15.5	15.2	15.6	16.1	16.8	16.6	17.0	17.6	18.3	17.8	18.2	18.9	19.6	20.8	21.4	22.1	23.0		
HI PR	245		263	267	273	269	289	293	299	314	338	343	350	358	385	391	399	403	433	439	449		
LO PR	116		120	131	140	120	124	135	144	124	128	139	149	127	131	143	153	130	134	146	156		

PERFORMANCE DATA

DSX160241A* / CA*F3636C6**+TXV / MBE1200**-1B*				
Conditions: 80°F IDB, 67°F IWB @ 600 CFM, LOW STAGE				
Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	19,285	13,583	5,702	1,243
80°	19,056	13,592	5,463	1,285
85°	18,826	13,597	5,229	1,327
90°	18,597	13,648	4,949	1,363
95°	18,367	13,693	4,674	1,400
100°	17,908	13,604	4,304	1,431
105°	17,449	13,501	3,947	1,462
110°	16,806	13,058	3,747	1,489
115°	16,163	12,611	3,552	1,516
TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB				
95°	17,020	13,556	3,464	1,353

DSX160481A* / CA*F4961*6A*+TXV / MBE2000**-1B*				
Conditions: 80°F IDB, 67°F IWB @ 1100 CFM, LOW STAGE				
Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	36,341	25,055	11,286	2,312
80°	35,908	25,071	10,837	2,389
85°	35,475	25,080	10,395	2,465
90°	35,043	25,174	9,869	2,533
95°	34,610	25,257	9,353	2,600
100°	33,745	25,092	8,653	2,657
105°	32,880	24,903	7,976	2,715
110°	31,668	24,086	7,582	2,764
115°	30,457	23,262	7,195	2,813
TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB				
95°	32,071	25,004	7,067	2,515

LOW STAGE - A

DSX160361A* / CA*F3743*6A*+TXV / MBE1600**-1B*				
Conditions: 80°F IDB, 67°F IWB @ 800 CFM, LOW STAGE				
Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	26,692	17,980	8,712	1,689
80°	26,374	17,991	8,383	1,743
85°	26,057	17,998	8,059	1,797
90°	25,739	18,065	7,674	1,845
95°	25,421	18,125	7,296	1,893
100°	24,785	18,006	6,779	1,934
105°	24,150	17,871	6,279	1,974
110°	23,260	17,285	5,976	2,010
115°	22,370	16,693	5,678	2,045
TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB				
95°	23,556	17,943	5,613	1,832

DSX160601A* / CA*F4961*6A*+TXV / MBE2000**-1B*				
Conditions: 80°F IDB, 67°F IWB @ 1400 CFM, LOW STAGE				
Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	44,775	31,511	13,264	2,966
80°	44,242	31,532	12,711	3,066
85°	43,709	31,543	12,166	3,166
90°	43,176	31,660	11,516	3,255
95°	42,643	31,765	10,878	3,343
100°	41,577	31,558	10,019	3,418
105°	40,511	31,320	9,191	3,493
110°	39,018	30,293	8,726	3,558
115°	37,526	29,256	8,270	3,623
TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB				
95°	39,515	31,447	8,067	3,231

PERFORMANCE DATA

HIGH STAGE - A

DSX160241A* / CA*F3636C6**+TXV / MBE1200**-1B*				
Conditions: 80°F IDB, 67°F IWB @ 800 CFM, High Stage				
Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	25,200	17,951	7,249	1,694
80°	24,900	17,963	6,937	1,749
85°	24,600	17,969	6,631	1,805
90°	24,300	18,036	6,264	1,853
95°	24,000	18,096	5,904	1,902
100°	23,400	17,978	5,422	1,943
105°	22,800	17,843	4,957	1,985
110°	21,960	17,257	4,703	2,020
115°	21,120	16,666	4,454	2,056
TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB				
95°	22,239	17,915	4,324	1,840

DSX160361A* / CA*F3743*6A**+TXV / MBE1600**-1B*				
Conditions: 80°F IDB, 67°F IWB @ 1200 CFM, High Stage				
Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	36,330	24,540	11,790	2,413
80°	35,898	24,557	11,341	2,491
85°	35,465	24,565	10,900	2,569
90°	35,033	24,657	10,376	2,638
95°	34,600	24,738	9,862	2,707
100°	33,735	24,577	9,158	2,766
105°	32,870	24,392	8,478	2,824
110°	31,659	23,592	8,067	2,875
115°	30,448	22,784	7,664	2,925
TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB				
95°	32,062	24,491	7,571	2,620

DSX160481A* / CA*F4961*6A**+TXV / MBE2000**-1B*				
Conditions: 80°F IDB, 67°F IWB @ 1550 CFM, High Stage				
Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	49,350	35,621	13,729	3,328
80°	48,763	35,644	13,118	3,437
85°	48,175	35,657	12,518	3,547
90°	47,588	35,789	11,798	3,644
95°	47,000	35,908	11,092	3,741
100°	45,825	35,674	10,151	3,823
105°	44,650	35,405	9,245	3,906
110°	43,005	34,244	8,761	3,977
115°	41,360	33,071	8,289	4,048
TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB				
95°	43,552	35,549	8,003	3,618

DSX160601A* / CA*F4961*6A**+TXV / MBE2000**-1B*				
Conditions: 80°F IDB, 67°F IWB @ 1800 CFM, High Stage				
Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	59,850	43,108	16,742	4,443
80°	59,138	43,137	16,001	4,587
85°	58,425	43,152	15,273	4,731
90°	57,713	43,312	14,400	4,857
95°	57,000	43,456	13,544	4,984
100°	55,575	43,172	12,403	5,092
105°	54,150	42,848	11,302	5,199
110°	52,155	41,442	10,713	5,292
115°	50,160	40,023	10,137	5,385
TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB				
95°	52,818	43,021	9,797	4,823

PERFORMANCE DATA

DSX160241B* / CA*F3636*6**+TXV+MBE1200*-1*				
Conditions: 80°F IDB, 67°F IWB @ 540 CFM, LOW STAGE				
Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	18,480	12,396	6,084	1,220
80°	18,260	12,404	5,856	1,260
85°	18,040	12,409	5,631	1,300
90°	17,820	12,455	5,365	1,335
95°	17,600	12,496	5,104	1,370
100°	17,160	12,414	4,746	1,400
105°	16,720	12,321	4,399	1,430
110°	16,104	11,917	4,187	1,455
115°	15,488	11,509	3,979	1,481
TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB				
95°	16,300	12,388	3,912	1,310

LOW STAGE - B

DSX160361B* / CA*F3743*6**+TXV + MBE1600*-1B*				
Conditions: 80°F IDB, 67°F IWB @ 800 CFM, LOW STAGE				
Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	27,090	18,692	8,398	1,689
80°	26,770	18,739	8,031	1,743
85°	26,450	18,780	7,671	1,797
90°	26,125	18,810	7,315	1,849
95°	25,800	18,834	6,966	1,900
100°	25,155	18,740	6,415	1,940
105°	24,510	18,628	5,882	1,980
110°	23,605	17,940	5,665	2,020
115°	22,700	17,252	5,448	2,060
TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB				
95°	23,556	17,943	5,613	1,832

HIGH STAGE - B

DSX160241B* / CA*F3636*6**+TXV+MBE1200*-1*				
Conditions: 80°F IDB, 67°F IWB @ 780 CFM, High Stage				
Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	25,200	16,666	8,534	1,641
80°	24,900	16,677	8,223	1,697
85°	24,600	16,682	7,918	1,752
90°	24,300	16,744	7,556	1,801
95°	24,000	16,800	7,200	1,850
100°	23,400	16,690	6,710	1,892
105°	22,800	16,565	6,235	1,933
110°	21,960	16,021	5,939	1,969
115°	21,120	15,473	5,647	2,005
TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB				
95°	22,200	16,650	5,550	1,770

DSX160361B* / CA*F3743*6**+TXV + MBE1600*-1*				
Conditions: 80°F IDB, 67°F IWB @ 1200 CFM, High Stage				
Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	36,750	25,358	11,393	2,490
80°	36,315	25,421	10,895	2,570
85°	35,880	25,475	10,405	2,650
90°	35,440	25,517	9,923	2,725
95°	35,000	25,550	9,450	2,800
100°	34,125	25,423	8,702	2,860
105°	33,250	25,270	7,980	2,920
110°	32,025	24,339	7,686	2,975
115°	30,800	23,408	7,392	3,030
TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB				
95°	32,062	24,491	7,571	2,620

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 Condensing Unit 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.

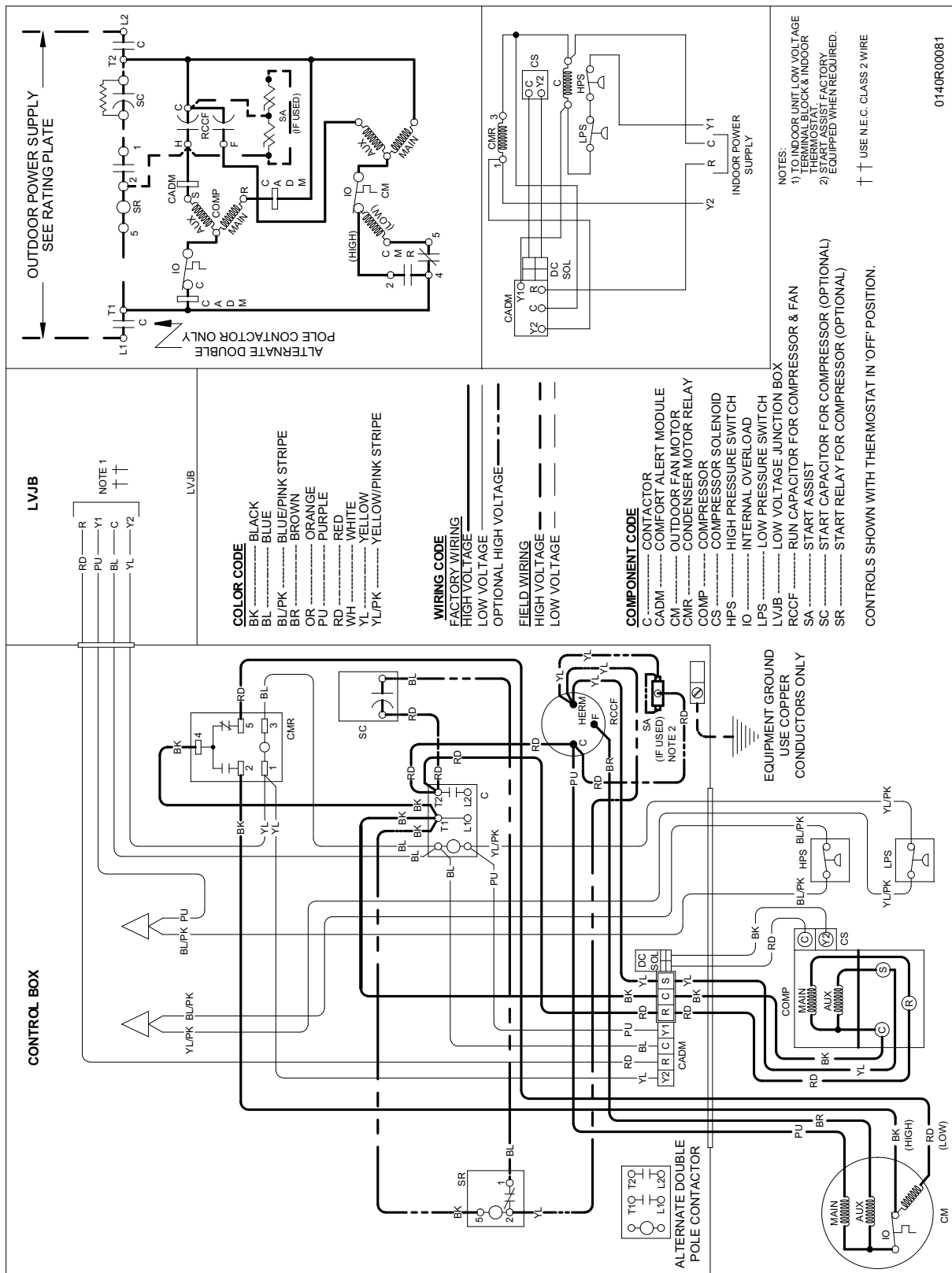
NOTE: Pressures are measured at the liquid and suction service valve ports.

WIRING DIAGRAMS

DSX160[24-60]1**

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.