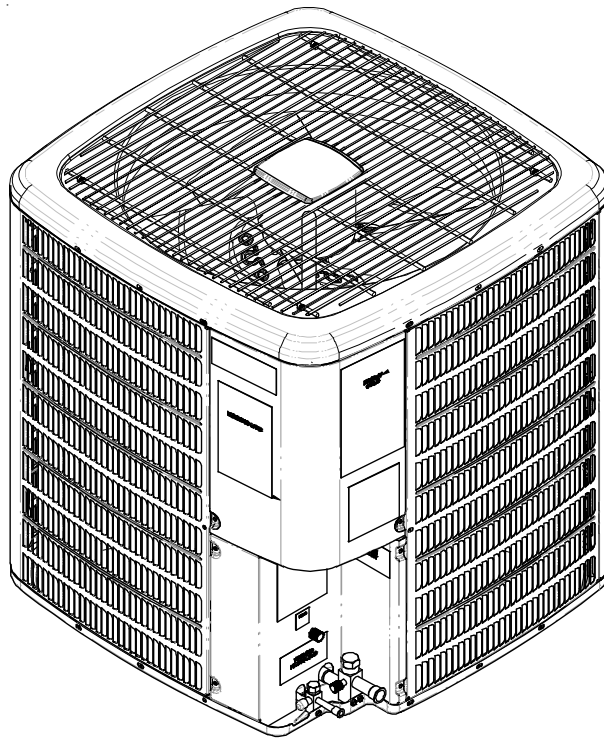


# TECHNICAL MANUAL

## \*SZC 16 SEER Split System Heat Pumps

- 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.
- Models listed on page 3.

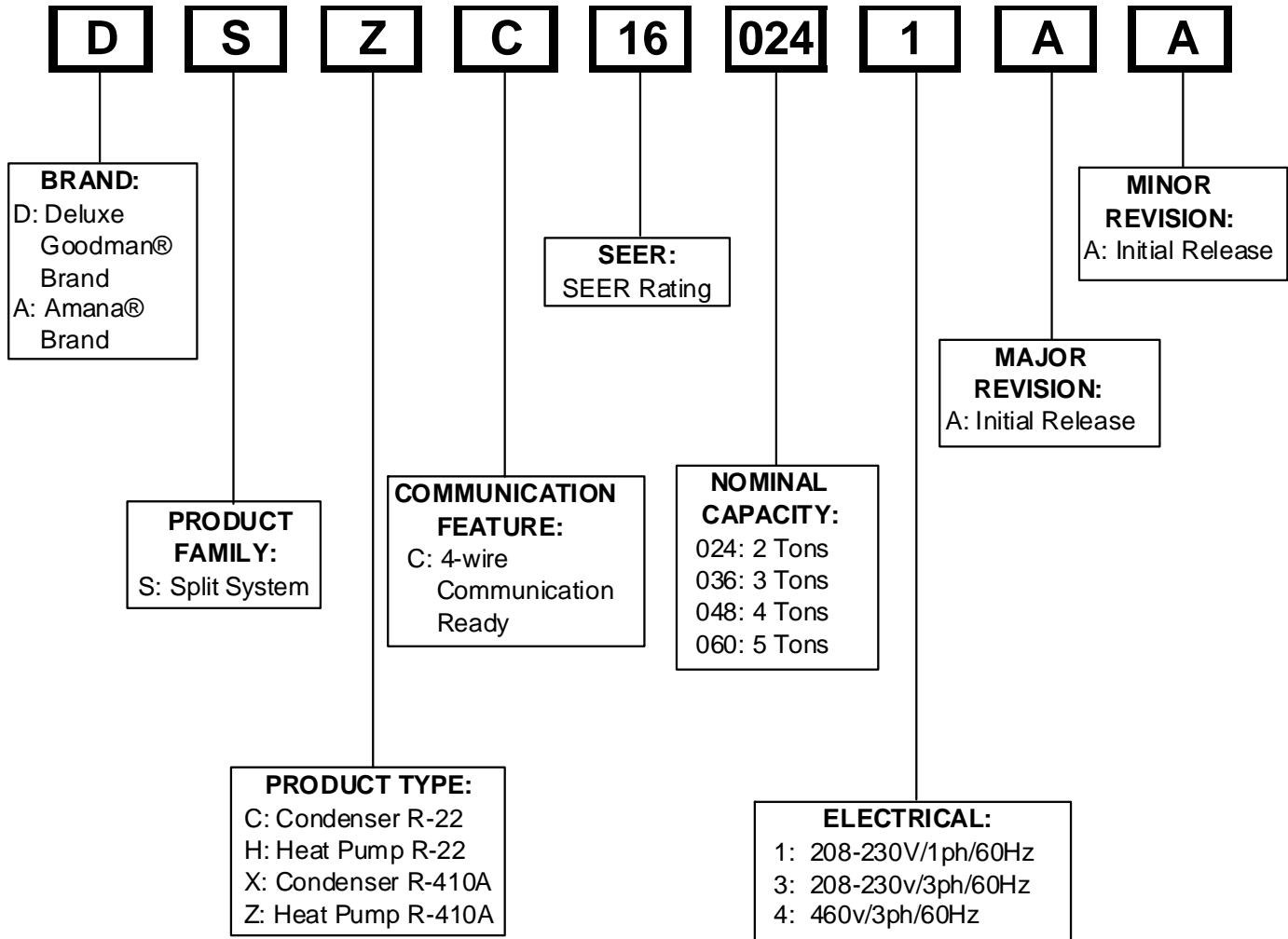


This manual is to be used by qualified, professionally trained HVAC technicians only. Goodman does not assume any responsibility for property damage or personal injury due to improper service procedures or services performed by an unqualified person.

RT6214005r7  
July 2014

# PRODUCT IDENTIFICATION

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



**Amana** Heating & Air Conditioning is registered trademark of Maytag Corporation or its related entities and is used under license. All rights reserved.

**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", at a minimum, 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.

ASZC160241A\*

ASZC160361A\*

ASZC160481A\*

ASZC160601A\*

ASZC160601B\*

DSZC160241A\*

DSZC160361A\*

DSZC160481A\*

DSZC160601A\*

DSZC160601B\*

*\* 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.

# PRODUCT DESIGN

Models covered by this manual come with a new 4-wire communicating PCB. When paired with a compatible communicating indoor unit and a communicating thermostat, these models can support 4-wire communication protocol and provide more troubleshooting information. These models are also backward compatible with the legacy thermostat wiring.

\*SZC16 models are available in 2, 3, 4 and 5 ton sizes and use R-410A refrigerant. They are designed for 208/230 volt single phase applications.

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

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

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

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

\*SZC models use high-efficiency Copeland® scroll "Ultratech" compressors which are specifically designed for R-410A refrigerant. There are a number of design characteristics which are different from the scroll compared to the traditional reciprocating compressor.

"Ultratech" Series scroll compressors with Copeland® ComfortAlert diagnostics will not have a discharge thermostat. Some of the early model scroll compressors required discharge thermostats.

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

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

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

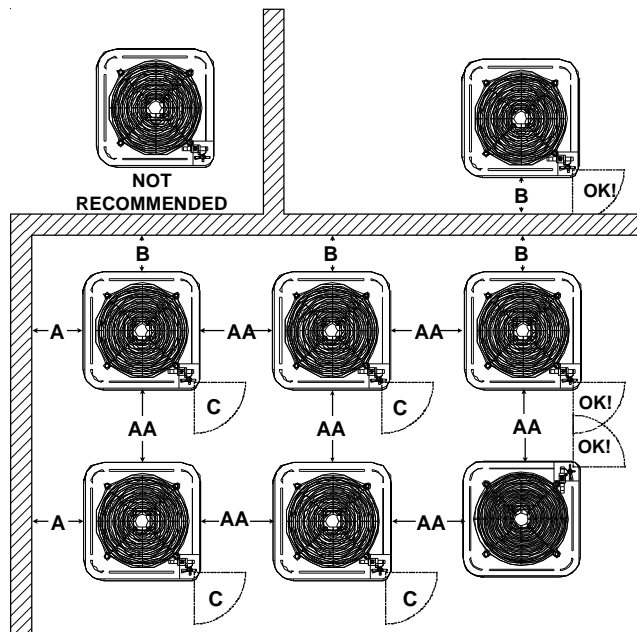
This unit is for outdoor installation only. Refer to figure for minimum clearances from the sides of the unit to full walls and other objects.

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

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

DO **NOT** locate the unit:

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



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

Model	Dimensions - W x D x H
*SZC160241A*	29 x 29 x 38¼
*SZC160361A*	35½ x 35½ x 38¼
*SZC160481A*	35½ x 35½ x 38¼
*SZC160601A*	35½ x 35½ x 38¼
*SZC160601B*	

**⚠ WARNING**

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

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

# HEAT PUMP SPECIFICATIONS

**\*SZC160241A\*-\*SZC160361A\***

	<b>*SZC160241A*</b>	<b>*SZC160241AE</b>	<b>*SZC160361A*</b>	<b>*SZC160361AE</b>
Cooling Capacity, BTUH	24,000	24,000	36,000	36,000
Compressor				
R.L. Amps	10.3	11.7	16.7	15.3
L.R. Amps	52.0	58.3	82.0	83.0
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	1/6	1/6	1/6	1/6
F.L. Amps	1.0	1.2	1.0	1.2
Liquid Line, Inches O.D.*	3/8"	3/8"	3/8"	3/8"
Suction Line, Inches O.D.*	3/4"	3/4"	7/8"	7/8"
Refrigerant Charge	153.0	153.0	203.0	203.0
Power Supply	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Minimum Circuit Ampacity <sup>(1)</sup>	13.9	15.8	21.9	20.3
Maximum Overcurrent Device <sup>(2)</sup>	20	25	35	35
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	208	208	255	255

\* Up to 24' in equivalent line length

<sup>(1)</sup> Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes.

<sup>(2)</sup> Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.

## NOTES:

- Always check the serial 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.

# HEAT PUMP SPECIFICATIONS

**\*SZC160481A\*-\*SZC160601A\***

	<b>*SZC160481A*</b>	<b>*SZC160481A*</b>	<b>*SZC160601AE</b>
Cooling Capacity, BTUH	48,000	48,000	60,000
Compressor			
R.L. Amps	21.2	21.2	25.6
L.R. Amps	96.0	104.0	118.0
Low Pressure Switch			
Open	22 PSIG	22 PSIG	22 PSIG
Close	50 PSIG	50 PSIG	50 PSIG
High Pressure Switch			
Open	610 PSIG	610 PSIG	610 PSIG
Close	420 PSIG	420 PSIG	420 PSIG
Condenser Fan Motor			
Horsepower	1/6	1/6	1/6
F.L. Amps	1.0	1.2	1.0
Liquid Line, Inches O.D.*	3/8"	3/8"	3/8"
Suction Line, Inches O.D.*	1-1/8"	1-1/8"	1-1/8"
Refrigerant Charge	263.0	263.0	273.0
Power Supply	208/230-60-1	208/230-60-1	208/230-60-1
Minimum Circuit Ampacity <sup>(1)</sup>	27.5	27.7	33.0
Maximum Overcurrent Device <sup>(2)</sup>	45	45	50
Electrical Conduit Size			
Power Supply (Inches)	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4
Approximate Shipping Weight	327	327	296

\* Up to 24' in equivalent line length

<sup>(1)</sup> Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes.

<sup>(2)</sup> Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.

## NOTES:

- Always check the serial 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

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.

# HEAT PUMP SPECIFICATIONS

**\*SZC160601B\***

	<b>*SZC160601B*</b>	<b>*SZC160601BC</b>
Cooling Capacity, BTUH	60,000	60,000
Compressor		
R.L. Amps	23.0	28.8
L.R. Amps	118.0	152.9
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	1.0	1.2
Liquid Line, Inches O.D.*	3/8"	3/8"
Suction Line, Inches O.D.*	1-1/8"	1-1/8"
Refrigerant Charge	273.0	273.0
Power Supply	208/230-60-1	208/230-60-1
Minimum Circuit Ampacity <sup>(1)</sup>	29.8	37.2
Maximum Overcurrent Device <sup>(2)</sup>	50	60
Electrical Conduit Size		
Power Supply (Inches)	1/2 or 3/4	1/2 or 3/4
Approximate Shipping Weight	331	331

\* Up to 24' in equivalent line length

<sup>(1)</sup> Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes.

<sup>(2)</sup> Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.

## NOTES:

- Always check the serial 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.



# COOLING PERFORMANCE DATA

# \*SZC160241A\*-LOW STAGE

## EXPANDED PERFORMANCE DATA

## EXPANDED PERFORMANCE DATA

MODEL: \*SZC160241A\* / CA\*F3636\*\* + TXV / MBVC1600\*-1\* \*

IDB*	Airflow	65									75									86									95									105									115								
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																		
70	569	MBh	16.3	16.9	18.5	-	15.9	16.5	18.1	-	15.6	16.1	17.7	-	15.2	15.7	17.2	-	14.4	15.0	16.4	-	13.4	13.9	15.2	-																													
		ST	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	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	1.04	1.06	1.10	-	1.12	1.14	1.18	-	1.19	1.22	1.26	-	1.26	1.28	1.33	-	1.31	1.34	1.38	-	1.36	1.39	1.43	-																													
		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	5.9	6.1	-																													
		HIPR	203	218	230	-	228	245	259	-	259	278	294	-	295	317	335	-	332	357	377	-	366	394	416	-																													
		LOPR	110	117	128	-	116	124	135	-	121	128	140	-	127	135	147	-	133	141	154	-	137	146	160	-																													
		MBh	17.2	17.8	19.5	-	16.8	17.4	19.1	-	16.4	17.0	18.6	-	16.0	16.6	18.2	-	15.2	15.7	17.2	-	14.1	14.6	16.0	-																													
		ST	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.86	0.71	0.50	-	0.86	0.72	0.50	-																													
		Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	15	12	-																													
KW	1.06	1.08	1.11	-	1.14	1.16	1.20	-	1.21	1.24	1.28	-	1.28	1.31	1.35	-	1.33	1.36	1.41	-	1.38	1.41	1.46	-																															
AMPS	4.1	4.2	4.4	-	4.5	4.6	4.7	-	4.8	5.0	5.1	-	5.2	5.3	5.5	-	5.5	5.6	5.8	-	5.8	6.0	6.2	-																															
HIPR	207	223	235	-	232	250	264	-	264	284	300	-	301	324	342	-	338	364	384	-	374	402	425	-																															
LOPR	112	119	130	-	118	126	138	-	123	131	143	-	129	138	150	-	136	144	157	-	140	149	163	-																															
MBh	17.7	18.3	20.1	-	17.3	17.9	19.6	-	16.9	17.5	19.2	-	16.5	17.1	18.7	-	15.6	16.2	17.8	-	14.5	15.0	16.5	-																															
ST	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.84	0.70	0.48	-	0.86	0.72	0.50	-	0.90	0.75	0.52	-	0.90	0.76	0.52	-																															
Delta T	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-																															
KW	1.06	1.09	1.12	-	1.15	1.17	1.21	-	1.22	1.25	1.29	-	1.29	1.32	1.36	-	1.34	1.37	1.42	-	1.39	1.42	1.47	-																															
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	-	5.6	5.7	5.9	-	5.9	6.0	6.2	-																															
HIPR	209	225	237	-	235	252	266	-	267	287	303	-	304	327	345	-	342	368	388	-	378	406	429	-																															
LOPR	113	121	132	-	120	127	139	-	124	132	144	-	131	139	152	-	137	146	159	-	142	151	164	-																															
75	569	MBh	16.6	17.1	18.5	19.9	16.2	16.7	18.1	19.4	15.8	16.3	17.6	18.9	15.4	<b>15.9</b>	17.2	18.5	14.7	15.1	16.3	17.5	13.6	14.0	15.1	16.3																													
		ST	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	<b>0.80</b>	0.61	0.39	0.93	0.83	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	<b>21</b>	17	12	22	20	17	12	21	19	16	11																													
		KW	1.05	1.07	1.10	1.14	1.13	1.15	1.19	1.23	1.20	1.23	1.27	1.31	1.27	<b>1.29</b>	1.34	1.38	1.32	1.35	1.40	1.44	1.37	1.40	1.45	1.50																													
		AMPS	4.1	4.2	4.3	4.5	4.4	4.5	4.7	4.9	4.8	4.9	5.1	5.3	5.1	<b>5.3</b>	5.4	5.6	5.5	5.6	5.8	6.0	5.8	5.9	6.1	6.3																													
		HIPR	205	220	233	243	230	247	261	272	261	281	297	310	298	<b>320</b>	338	353	335	360	381	397	370	398	421	439																													
		LOPR	111	118	129	137	117	125	136	145	122	130	142	151	128	<b>136</b>	149	158	134	143	156	166	139	148	161	172																													
		MBh	17.5	18.0	19.5	20.9	17.1	17.6	19.0	20.4	16.7	17.2	18.6	19.9	16.3	<b>16.7</b>	18.1	19.4	15.4	15.9	17.2	18.5	14.3	14.7	15.9	17.1																													
		ST	0.85	0.76	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.61	0.40	0.94	<b>0.84</b>	0.63	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.66	0.43																													
		Delta T	22	20	16	11	22	20	16	11	22	20	16	11	22	<b>20</b>	17	11	22	20	16	11	20	19	15	11																													
KW	1.06	1.09	1.12	1.16	1.15	1.17	1.21	1.25	1.22	1.25	1.29	1.34	1.29	<b>1.32</b>	1.36	1.41	1.34	1.37	1.42	1.47	1.39	1.42	1.47	1.52																															
AMPS	4.2	4.3	4.4	4.6	4.5	4.6	4.8	4.9	4.9	5.0	5.2	5.4	5.2	<b>5.3</b>	5.5	5.7	5.6	5.7	5.9	6.1	5.9	6.0	6.2	6.5																															
HIPR	209	225	238	248	235	252	267	278	267	287	303	316	304	<b>327</b>	345	360	342	368	388	405	378	406	429	448																															
LOPR	113	121	132	140	120	127	139	148	124	132	144	154	131	<b>139</b>	152	162	137	146	159	169	142	151	165	175																															
MBh	18.0	18.5	20.1	21.5	17.6	18.1	19.6	21.0	17.2	17.7	19.1	20.5	16.7	<b>17.2</b>	18.7	20.0	15.9	16.4	17.7	19.0	14.7	15.2	16.4	17.6																															
ST	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.95	0.85	0.64	0.41	0.98	<b>0.88</b>	0.67	0.43	1.00	0.91	0.69	0.44	1.00	0.92	0.70	0.45																															
Delta T	20	19	15	11	21	19	15	11	21	19	15	11	21	<b>19</b>	16	11	20	19	15	11	19	18	14	10																															
KW	1.07	1.10	1.13	1.17	1.16	1.18	1.22	1.26	1.23	1.26	1.30	1.35	1.30	<b>1.33</b>	1.37	1.42	1.36	1.39	1.43	1.48	1.40	1.44	1.48	1.54																															
AMPS	4.2	4.3	4.5	4.6	4.6	4.7	4.8	5.0	4.9	5.1	5.2	5.4	5.3	<b>5.4</b>	5.6	5.8	5.6	5.7	5.9	6.2	5.9	6.1	6.3	6.5																															
HIPR	211	227	240	250	237	255	269	281	269	290	306	319	307	<b>330</b>	349	364	345	372	392	409	381	410	433	452																															
LOPR	114	122	133	142	121	129	140	150	126	134	146	155	132	<b>140</b>	153	163	138	147	161	171	143	152	166	177																															

Shaded area is ACCA (TVA) conditions

IDB: Entering Indoor Dry Bulb Temperature

KW=Total system power

AMPS=Outdoor unit amps (comp. #fan)

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



# COOLING PERFORMANCE DATA

# \*SZC160241A\*-LOW STAGE

## EXPANDED PERFORMANCE DATA

## COOLING OPERATION

MODEL: \*SZC160241A\* / CA\*F3636\*\* + TXV / MBVC1600\*\* - 1\* \*

IDB*	Airflow	Outdoor Ambient Temperature																																			
		65						75						85						95						105						115					
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79						
80	569	MBh	16.9	17.3	18.4	19.7	16.5	16.9	18.0	19.3	16.1	16.5	17.6	18.8	15.7	16.1	17.2	18.3	14.9	15.3	16.3	17.4	13.8	14.1	15.1	16.1											
		ST	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.02	0.96	0.78	0.58	1.03	0.97	0.79	0.59											
		Delta T	25	23	20	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15											
		KW	1.06	1.08	1.11	1.15	1.14	1.16	1.20	1.24	1.21	1.24	1.28	1.32	1.28	1.31	1.35	1.40	1.33	1.36	1.41	1.46	1.38	1.41	1.46	1.51											
		AMPS	4.1	4.2	4.4	4.5	4.5	4.6	4.7	4.9	4.8	5.0	5.1	5.3	5.2	5.3	5.5	5.7	5.5	5.6	5.8	6.0	5.8	6.0	6.2	6.4											
		HIPR	207	223	235	245	232	250	264	275	264	284	300	313	301	324	342	356	338	364	384	401	374	402	425	443											
		LO PR	112	119	130	139	118	126	138	147	123	131	143	152	129	138	150	160	136	144	157	168	140	149	163	173											
		MBh	17.8	18.2	19.4	20.8	17.4	17.8	19.0	20.3	17.0	17.3	18.5	19.8	16.5	16.9	18.1	19.3	15.7	16.1	17.2	18.3	14.6	14.9	15.9	17.0											
		ST	0.94	0.88	0.72	0.53	0.97	0.91	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.82	0.61											
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	24	21	17	23	23	20	16	21	21	19	15											
80	637	KW	1.07	1.10	1.13	1.17	1.16	1.18	1.22	1.26	1.23	1.26	1.30	1.36	1.30	1.33	1.42	1.36	1.39	1.43	1.48	1.40	1.44	1.48	1.54												
		AMPS	4.2	4.3	4.5	4.6	4.6	4.7	4.8	5.0	4.9	5.1	5.2	5.4	5.3	5.4	5.6	5.8	5.6	5.7	5.9	6.2	5.9	6.1	6.3	6.5											
		HIPR	211	227	240	250	237	255	269	281	269	290	306	319	307	330	349	364	345	372	392	409	381	411	433	452											
		LO PR	114	122	133	142	121	129	140	150	126	134	146	155	132	140	153	163	138	147	161	171	143	152	166	177											
		MBh	18.3	18.7	20.0	21.4	17.9	18.3	19.5	20.9	17.5	17.8	19.1	20.4	17.0	17.4	18.6	19.9	16.2	16.5	17.7	18.9	15.0	15.3	16.4	17.5											
		ST	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.82	0.61	1.00	1.00	0.85	0.64	1.00	1.00	0.86	0.64											
		Delta T	23	22	19	15	22	22	19	15	22	22	19	15	21	22	19	15	20	21	19	15	19	19	18	14											
		KW	1.08	1.11	1.14	1.18	1.17	1.19	1.23	1.27	1.24	1.27	1.31	1.36	1.31	1.34	1.38	1.43	1.37	1.40	1.45	1.50	1.42	1.45	1.50	1.55											
		AMPS	4.3	4.4	4.5	4.7	4.6	4.7	4.9	5.0	5.0	5.1	5.3	5.5	5.3	5.4	5.6	5.8	5.7	5.8	6.0	6.2	6.0	6.1	6.3	6.6											
		HIPR	213	229	242	253	239	258	272	284	272	293	309	323	310	334	352	367	349	375	396	413	385	415	438	457											
LO PR	116	123	134	143	122	130	142	151	127	135	147	157	133	142	155	165	140	149	162	173	145	154	168	179													
86	569	MBh	17.2	17.5	18.4	19.6	16.8	17.1	17.9	19.1	16.4	16.7	17.5	18.7	16.0	16.3	17.1	18.2	15.2	15.5	16.2	17.3	14.1	14.3	15.0	16.0											
		ST	0.94	0.91	0.82	0.66	0.98	0.94	0.85	0.69	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76											
		Delta T	26	26	24	21	26	26	25	21	26	26	25	21	26	26	25	21	25	25	24	21	23	23	20	20											
		KW	1.06	1.09	1.12	1.16	1.15	1.17	1.21	1.25	1.22	1.25	1.29	1.33	1.29	1.32	1.36	1.41	1.34	1.37	1.42	1.47	1.39	1.42	1.47	1.52											
		AMPS	4.2	4.3	4.4	4.6	4.5	4.6	4.8	4.9	4.9	5.0	5.2	5.4	5.2	5.3	5.5	5.7	5.6	5.7	5.9	6.1	5.9	6.0	6.2	6.5											
		HIPR	209	225	237	248	235	252	266	278	267	287	303	316	304	327	345	360	342	368	388	405	378	406	429	448											
		LO PR	113	121	132	140	120	127	139	148	124	132	144	154	131	139	152	162	137	146	159	169	142	151	164	175											
		MBh	18.1	18.4	19.3	20.6	17.7	18.0	18.9	20.1	17.3	17.6	18.4	19.7	16.8	17.2	18.0	19.2	16.0	16.3	17.1	18.2	14.8	15.1	15.8	16.9											
		ST	0.98	0.95	0.86	0.69	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.80											
		Delta T	26	25	24	21	26	26	24	21	25	25	24	21	24	25	24	21	23	24	24	21	21	22	22	19											
86	637	KW	1.08	1.11	1.14	1.18	1.17	1.19	1.23	1.27	1.24	1.27	1.31	1.36	1.31	1.34	1.38	1.43	1.37	1.40	1.45	1.50	1.42	1.45	1.50	1.55											
		AMPS	4.3	4.4	4.5	4.7	4.6	4.7	4.9	5.0	5.0	5.1	5.3	5.5	5.3	5.4	5.6	5.8	5.7	5.8	6.0	6.2	6.0	6.1	6.3	6.6											
		HIPR	213	229	242	253	239	258	272	284	272	293	309	323	310	334	352	367	349	375	396	413	385	415	438	457											
		LO PR	116	123	134	143	122	130	142	151	127	135	147	157	133	142	155	165	140	149	162	173	145	154	168	179											
		MBh	18.6	19.0	19.9	21.2	18.2	18.6	19.4	20.7	17.8	18.1	19.0	20.2	17.3	17.7	18.5	19.7	16.5	16.8	17.6	18.8	15.3	15.6	16.3	17.4											
		ST	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.80	1.00	1.00	1.00	0.83	1.00	1.00	1.00	0.84											
		Delta T	23	23	24	22	19	23	23	20	22	23	23	20	22	22	23	20	21	21	22	20	19	20	20	18											
		KW	1.09	1.11	1.15	1.19	1.18	1.20	1.24	1.29	1.25	1.28	1.32	1.37	1.32	1.35	1.40	1.44	1.38	1.41	1.46	1.51	1.43	1.46	1.51	1.56											
		AMPS	4.3	4.4	4.5	4.7	4.6	4.7	4.9	5.1	5.0	5.1	5.3	5.5	5.4	5.5	5.7	5.9	5.7	5.8	6.0	6.3	6.0	6.2	6.4	6.6											
		HIPR	215	232	245	255	242	260	275	286	275	296	312	326	313	337	356	371	352	379	400	417	389	419	442	461											
LO PR	117	124	136	144	123	131	143	153	128	136	149	159	135	143	156	167	141	150	164	175	146	155	170	181													

Shaded areas is AHR Rating Conditions IDB: Entering Indoor Dry Bulb Temperature KW=Total system power AMPS=Outdoor unit amps (comp. fan)  
 High and low pressures are measured at the liquid and suction service valves.



# COOLING PERFORMANCE DATA

# \*SZC160361A\*-LOW STAGE

## EXPANDED PERFORMANCE DATA

## COOLING OPERATION

MODEL: \*SZC160361A\* / CA\*F3743\*6\*\* + TXV / MBVC1600\*\* -1\*\*

IDB*	Airflow	Outdoor Ambient Temperature																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	700	MBh	22.9	23.4	25.0	26.8	22.4	22.9	24.5	26.1	21.9	22.3	23.9	25.5	21.3	21.8	23.3	24.9	23.7	18.8	19.2	20.5	21.9			
		ST	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.98	0.92	0.75	0.56			
		Delta T	26	25	21	17	26	25	22	17	26	25	22	17	26	25	22	18	26	25	22	24	23	20	16	
		KW	1.42	1.45	1.50	1.55	1.53	1.56	1.62	1.67	1.63	1.66	1.72	1.78	1.71	1.75	1.81	1.87	1.79	1.83	1.89	1.95	1.85	1.89	1.96	2.02
		AMPS	5.7	5.8	6.0	6.2	6.1	6.2	6.4	6.7	6.6	6.8	7.0	7.2	7.0	7.2	7.4	7.7	7.5	7.6	7.9	8.2	7.9	8.1	8.3	8.6
		HI PR	203	219	231	241	228	245	259	270	259	279	295	307	295	318	336	350	332	358	378	394	367	395	417	435
		LO PR	109	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168
		MBh	24.8	25.4	27.1	29.0	24.3	24.8	26.5	28.3	23.7	24.2	25.9	27.6	23.1	23.6	25.2	27.0	22.0	22.4	24.0	25.6	20.3	20.8	22.2	23.7
		ST	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.56	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58
		Delta T	25	24	21	17	26	25	21	17	26	25	21	17	26	25	22	17	25	24	21	17	23	23	20	16
KW	1.46	1.49	1.54	1.59	1.57	1.60	1.66	1.71	1.67	1.71	1.76	1.82	1.76	1.80	1.86	1.92	1.83	1.88	1.94	2.00	1.90	1.94	2.01	2.08		
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	7.8	8.1	8.4	8.1	8.3	8.6	8.9		
HI PR	210	226	238	248	235	253	267	279	267	288	304	317	305	328	346	361	343	369	389	406	379	407	430	449		
LO PR	112	119	130	138	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	162	173		
MBh	25.6	26.1	27.9	29.9	25.0	25.5	27.3	29.2	24.4	24.9	26.6	28.5	23.8	24.3	26.0	27.8	22.6	23.1	24.7	26.4	20.9	21.4	22.9	24.4		
ST	0.93	0.87	0.71	0.53	0.96	0.90	0.74	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.82	0.61		
Delta T	24	23	20	16	25	24	21	16	25	24	21	16	24	24	21	17	23	24	21	17	21	22	19	15		
KW	1.47	1.50	1.55	1.60	1.58	1.62	1.67	1.73	1.68	1.72	1.78	1.84	1.77	1.81	1.87	1.94	1.85	1.89	1.95	2.02	1.92	1.96	2.02	2.09		
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	7.7	7.9	8.2	8.5	8.2	8.4	8.6	9.0		
HI PR	212	228	241	251	238	256	270	282	270	291	307	320	308	331	350	365	346	372	393	410	382	412	435	453		
LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	151	161	137	145	159	169	141	150	164	175		
85	700	MBh	23.3	23.8	24.9	26.6	22.8	23.2	24.3	26.0	22.2	22.7	23.8	25.3	21.7	22.1	23.2	24.7	20.6	21.0	22.0	23.5	19.1	19.5	20.4	21.8
		ST	0.90	0.87	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	0.70	1.00	0.99	0.89	0.72	1.00	0.99	0.90	0.73
		Delta T	27	27	26	22	28	27	26	22	28	27	26	22	28	28	26	23	27	27	26	22	25	25	24	21
		KW	1.43	1.46	1.51	1.56	1.54	1.58	1.63	1.68	1.64	1.68	1.73	1.79	1.73	1.77	1.83	1.89	1.80	1.84	1.90	1.97	1.87	1.91	1.97	2.04
		AMPS	5.7	5.8	6.0	6.2	6.2	6.3	6.5	6.7	6.7	6.8	7.0	7.3	7.1	7.3	7.5	7.8	7.5	7.7	8.0	8.2	8.0	8.1	8.4	8.7
		HI PR	205	221	233	243	230	248	262	273	262	282	298	311	298	321	339	354	336	361	382	398	371	399	422	440
		LO PR	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170
		MBh	25.3	25.8	27.0	28.8	24.7	25.2	26.4	28.1	24.1	24.6	25.7	27.5	23.5	24.0	25.1	26.8	22.3	22.8	23.8	25.4	20.7	21.1	22.1	23.6
		ST	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		Delta T	27	27	25	22	27	27	25	22	27	27	25	22	27	27	25	22	26	26	25	22	24	24	24	20
KW	1.47	1.50	1.55	1.60	1.58	1.62	1.67	1.73	1.68	1.72	1.78	1.84	1.77	1.81	1.87	1.94	1.85	1.89	1.95	2.02	1.92	1.96	2.02	2.09		
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	7.7	7.9	8.2	8.5	8.2	8.4	8.6	9.0		
HI PR	212	228	241	251	238	256	270	282	270	291	307	320	308	331	350	365	346	372	393	410	382	412	435	453		
LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	151	161	137	145	159	169	141	150	164	175		
MBh	26.0	26.5	27.8	29.7	25.4	25.9	27.2	29.0	24.8	25.3	26.5	28.3	24.2	24.7	25.9	27.6	23.0	23.5	24.6	26.2	21.3	21.7	22.8	24.3		
ST	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.78	1.00	1.00	0.98	0.79		
Delta T	25.95	26	24	21	26	26	24	21	25	26	24	21	25	25	25	25	21	24	24	24	22	22	23	20		
KW	1.48	1.51	1.56	1.61	1.60	1.63	1.68	1.74	1.70	1.74	1.79	1.85	1.79	1.83	1.89	1.95	1.87	1.91	1.97	2.04	1.93	1.98	2.04	2.11		
AMPS	5.9	6.1	6.2	6.5	6.4	6.5	6.7	7.0	6.9	7.1	7.3	7.5	7.3	7.5	7.8	8.0	7.8	8.0	8.2	8.5	8.2	8.4	8.7	9.0		
HI PR	214	230	243	253	240	258	273	284	273	294	310	323	311	334	353	368	350	376	397	414	386	416	439	458		
LO PR	114	121	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177		

Stated area is AHR1 Rating Conditions  
 IDB: Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction service valves.  
 KW=Total system power  
 AMPS=indoor unit amps (comp. +fan)

# COOLING PERFORMANCE DATA

# \*SZC160481A\*-LOW STAGE

## EXPANDED PERFORMANCE DATA

## EXPANDED PERFORMANCE DATA

MODEL: \*SZC160481A\* / CA\*F4961\*6\*\* + TXV / MBVC2000\*-1\*\*

IDB*	Airflow	Outdoor Ambient Temperature																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	941	MBh	30.2	31.3	34.3	-	29.5	30.6	33.5	-	28.8	29.9	32.7	-	28.1	29.1	31.9	-	26.7	27.7	30.3	-	24.7	25.7	28.1	-
		ST	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	20	17	13	-	20	18	13	-	20	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-
		KW	1.90	1.94	2.00	-	2.05	2.09	2.16	-	2.18	2.23	2.30	-	2.29	2.35	2.42	-	2.39	2.45	2.53	-	2.48	2.53	2.62	-
		AMPS	7.3	7.5	7.8	-	7.9	8.1	8.4	-	8.6	8.8	9.1	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.3	10.6	10.9	-
		HIPR	197	211	223	-	221	237	251	-	251	270	285	-	286	307	325	-	321	346	365	-	355	382	403	-
		LO PR	105	111	121	-	110	117	128	-	115	122	133	-	121	128	140	-	126	134	147	-	131	139	152	-
		MBh	32.8	34.0	37.2	-	32.0	33.2	36.3	-	31.2	32.4	35.5	-	30.5	31.6	34.6	-	28.9	30.0	32.9	-	26.8	27.8	30.4	-
		ST	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-
		Delta T	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-
KW	1.95	1.99	2.05	-	2.10	2.15	2.22	-	2.23	2.28	2.36	-	2.35	2.41	2.49	-	2.46	2.51	2.60	-	2.54	2.60	2.69	-		
AMPS	7.5	7.7	8.0	-	8.1	8.3	8.6	-	8.8	9.0	9.3	-	9.4	9.7	10.0	-	10.0	10.3	10.6	-	10.6	10.9	11.2	-		
HIPR	203	218	230	-	227	245	258	-	259	278	294	-	294	317	335	-	331	356	376	-	366	394	416	-		
LO PR	108	115	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	139	151	-	135	143	156	-		
70	1209	MBh	33.7	35.0	38.3	-	33.0	34.2	37.4	-	32.2	33.3	36.5	-	31.4	32.5	35.6	-	29.8	30.9	33.9	-	27.6	28.6	31.4	-
		ST	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-
		Delta T	19	16	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-
		KW	1.96	2.00	2.07	-	2.12	2.16	2.23	-	2.25	2.30	2.38	-	2.37	2.43	2.51	-	2.48	2.53	2.62	-	2.57	2.62	2.71	-
		AMPS	7.6	7.8	8.0	-	8.2	8.4	8.7	-	8.9	9.1	9.4	-	9.5	9.7	10.1	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-
		HIPR	205	220	233	-	230	247	261	-	261	281	297	-	297	320	338	-	335	360	380	-	370	398	420	-
		LO PR	109	116	126	-	115	122	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-
		MBh	30.7	31.7	34.3	36.8	30.0	30.9	33.5	35.9	29.3	30.2	32.7	35.1	28.6	29.4	31.9	34.2	27.2	28.0	30.3	32.5	25.2	25.9	28.0	30.1
		ST	0.78	0.69	0.53	0.34	0.80	0.72	0.54	0.35	0.82	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	23	21	18	12	24	22	18	12	24	22	18	12	24	22	18	12	23	22	18	12	22	20	17	11
KW	1.91	1.95	2.02	2.08	2.06	2.11	2.18	2.25	2.20	2.25	2.32	2.40	2.31	2.37	2.45	2.53	2.41	2.47	2.55	2.64	2.50	2.56	2.64	2.74		
AMPS	7.4	7.6	7.8	8.1	8.0	8.2	8.4	8.8	8.7	8.9	9.2	9.5	9.3	9.5	9.8	10.2	9.8	10.1	10.4	10.8	10.4	10.7	11.0	11.4		
HIPR	199	214	226	235	223	240	253	264	253	273	288	300	289	311	328	342	325	349	369	385	359	386	408	425		
LO PR	106	112	123	131	112	119	130	138	116	123	135	143	122	130	141	151	128	136	148	158	132	140	153	163		
75	941	MBh	33.3	34.3	37.1	39.8	32.5	33.5	36.3	38.9	31.8	32.7	35.4	38.0	31.0	31.9	34.5	37.1	29.4	30.3	32.8	35.2	27.3	28.1	30.4	32.6
		ST	0.80	0.72	0.54	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.92	0.82	0.62	0.40	0.92	0.83	0.63	0.40
		Delta T	23	21	17	12	23	21	18	12	23	21	18	12	23	21	18	12	23	21	17	12	22	20	16	11
		KW	1.96	2.00	2.07	2.14	2.12	2.16	2.23	2.31	2.25	2.30	2.38	2.46	2.37	2.43	2.51	2.60	2.48	2.53	2.62	2.71	2.57	2.63	2.71	2.81
		AMPS	7.6	7.8	8.0	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.8	9.5	9.7	10.1	10.4	10.1	10.4	10.7	11.1	10.7	11.0	11.3	11.8
		HIPR	205	220	233	243	230	247	261	272	261	281	297	310	297	320	338	353	335	360	380	397	370	398	420	438
		LO PR	109	116	126	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168
		MBh	34.3	35.3	38.2	41.0	33.5	34.5	37.3	40.1	32.7	33.7	36.5	39.1	31.9	32.9	35.6	38.2	30.3	31.2	33.8	36.3	28.1	28.9	31.3	33.6
		ST	0.84	0.75	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	0.96	0.86	0.65	0.42	0.97	0.87	0.66	0.42
		Delta T	22	20	17	11	22	21	17	12	22	21	17	12	22	21	17	12	22	20	17	12	21	19	16	11
KW	1.98	2.02	2.09	2.16	2.13	2.18	2.25	2.33	2.27	2.32	2.40	2.48	2.39	2.45	2.53	2.62	2.50	2.56	2.64	2.73	2.59	2.65	2.74	2.83		
AMPS	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.9	9.6	9.8	10.2	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.9		
HIPR	207	222	235	245	232	250	264	275	264	284	300	313	300	323	341	356	338	364	384	401	373	402	424	443		
LO PR	110	117	128	136	116	124	135	144	121	128	140	149	127	135	147	157	133	141	154	164	137	146	160	170		

Shaded area is ACCA (TVA) conditions IDB: Entering Indoor Dry Bulb Temperature KW=Total system power AMPS=Outdoor unit amps (comp. #fan)

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

# COOLING PERFORMANCE DATA

# \*SZC160481A\*-LOW STAGE

## EXPANDED PERFORMANCE DATA

### COOLING OPERATION

MODEL: \*SZC160481A\* / CA\*F4961\*6\*\* + TXV / MBVC2000\*-1\*\*

IDB*	Airflow	Outdoor Ambient Temperature																																			
		65						75						85						95						105						115					
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79
80	MBh	31.3	32.0	34.2	36.5	30.6	31.2	33.4	35.7	29.8	30.5	32.6	34.8	29.1	29.7	31.8	34.0	27.7	28.3	30.2	32.3	25.6	26.2	28.0	29.9												
	ST	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	26	25	22	17	26	25	22	18	26	25	22	18	27	26	22	18	26	25	22	17	24	23	20	16												
	KW	1.93	1.97	2.03	2.10	2.08	2.13	2.20	2.27	2.22	2.26	2.34	2.42	2.33	2.39	2.47	2.55	2.43	2.49	2.57	2.66	2.52	2.58	2.67	2.76												
	AMPS	7.5	7.6	7.9	8.2	8.1	8.3	8.5	8.8	8.8	9.0	9.3	9.6	9.3	9.6	9.9	10.3	9.9	10.2	10.5	10.9	10.5	10.8	11.1	11.6												
	HIPR	20.1	21.6	22.8	23.8	22.5	24.2	25.6	26.7	25.6	27.5	29.1	30.3	29.1	31.4	33.1	34.5	32.8	35.3	37.3	38.9	36.2	39.0	41.2	42.9												
	LOPR	10.7	11.3	12.4	13.2	11.3	12.0	13.1	13.9	11.7	12.5	13.6	14.5	12.3	13.1	14.3	15.2	12.9	13.7	15.0	15.9	13.3	14.2	15.5	16.5												
	MBh	33.9	34.6	37.0	39.6	33.1	33.8	36.2	38.6	32.3	33.0	35.3	37.7	31.5	32.2	34.4	36.8	30.0	30.6	32.7	35.0	27.8	28.4	30.3	32.4												
	ST	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58												
	Delta T	26	25	21	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	21	17	24	23	20	16												
KW	1.98	2.02	2.09	2.16	2.13	2.18	2.25	2.33	2.27	2.32	2.40	2.48	2.40	2.45	2.53	2.62	2.50	2.56	2.64	2.73	2.59	2.65	2.74	2.83													
AMPS	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.9	9.6	9.8	10.2	10.5	10.8	11.2	11.2	10.8	11.1	11.4	11.9	12.4													
HIPR	20.7	22.2	23.5	24.5	23.2	25.0	26.4	27.5	26.4	28.4	30.0	31.3	30.0	32.3	34.1	35.6	33.8	36.4	38.4	40.1	37.3	40.2	42.4	44.3													
LOPR	11.0	11.7	12.8	13.6	11.6	12.4	13.5	14.4	12.1	12.8	14.0	14.9	12.7	13.5	14.7	15.7	13.3	14.1	15.4	16.4	13.7	14.6	16.0	17.0													
MBh	34.9	35.7	38.1	40.8	34.1	34.9	37.2	39.8	33.3	34.0	36.3	38.9	32.5	33.2	35.5	37.9	30.9	31.5	33.7	36.0	28.6	29.2	31.2	33.4													
ST	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	0.80	0.60	0.60	1.00	1.00	0.81	0.61													
Delta T	25	24	20	16	25	24	21	17	25	24	21	17	25	24	21	17	23	24	21	16	22	22	19	15													
KW	1.99	2.04	2.10	2.17	2.15	2.20	2.27	2.35	2.29	2.34	2.42	2.50	2.42	2.47	2.55	2.64	2.52	2.58	2.67	2.76	2.61	2.67	2.76	2.86													
AMPS	7.7	7.9	8.2	8.5	8.4	8.6	8.8	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.6	12.0													
HIPR	20.9	22.5	23.7	24.7	23.4	25.2	26.6	27.8	26.6	28.7	30.3	31.6	30.3	32.7	34.5	36.0	34.1	36.7	38.8	40.5	37.7	40.6	42.9	44.7													
LOPR	11.1	11.8	12.9	13.7	11.7	12.5	13.6	14.5	12.2	13.0	14.2	15.1	12.8	13.6	14.9	15.8	13.4	14.3	15.6	16.6	13.9	14.8	16.1	17.2													

85	MBh	31.8	32.5	34.0	36.3	31.1	31.7	33.2	35.4	30.4	30.9	32.4	34.6	29.6	30.2	31.6	33.7	28.1	28.7	30.0	32.0	26.1	26.6	27.8	29.7
	ST	0.89	0.86	0.78	0.63	0.92	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.99	0.89	0.72
	Delta T	28	27	26	22	28	28	26	23	28	28	26	23	28	28	26	23	28	27	26	22	25	26	24	21
	KW	1.94	1.99	2.05	2.12	2.10	2.14	2.22	2.29	2.23	2.28	2.36	2.44	2.35	2.41	2.49	2.57	2.46	2.51	2.60	2.69	2.54	2.60	2.69	2.78
	AMPS	7.5	7.7	8.0	8.3	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.7	9.4	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.7
	HIPR	20.3	21.8	23.0	24.0	22.7	24.5	25.8	26.9	25.8	27.8	29.4	30.6	29.4	31.7	33.5	34.9	33.1	35.6	37.6	39.3	36.6	39.4	41.6	43.4
	LOPR	10.8	11.5	12.5	13.3	11.4	12.1	13.2	14.1	11.8	12.6	13.7	14.6	12.4	13.2	14.4	15.4	13.0	13.9	15.1	16.1	13.5	14.3	15.6	16.7
	MBh	34.5	35.2	36.8	39.3	33.7	34.3	36.0	38.4	32.9	33.5	35.1	37.5	32.1	32.7	34.3	36.5	30.5	31.1	32.5	34.7	28.2	28.8	30.1	32.2
	ST	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	0.95	0.86	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.93	0.75
	Delta T	27	27	25	22	28	27	26	22	28	27	26	22	27	27	26	22	26	27	26	22	24	25	24	21
KW	1.99	2.04	2.10	2.17	2.15	2.20	2.27	2.35	2.29	2.34	2.42	2.50	2.42	2.47	2.55	2.64	2.52	2.58	2.67	2.76	2.61	2.67	2.76	2.86	
AMPS	7.7	7.9	8.2	8.5	8.4	8.6	8.8	9.2	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.6	12.0	
HIPR	20.9	22.5	23.7	24.7	23.4	25.2	26.6	27.8	26.6	28.7	30.3	31.6	30.3	32.7	34.5	36.0	34.1	36.7	38.8	40.5	37.7	40.6	42.9	44.7	
LOPR	11.1	11.8	12.9	13.7	11.7	12.5	13.6	14.5	12.2	13.0	14.2	15.1	12.8	13.6	14.9	15.8	13.4	14.3	15.6	16.6	13.9	14.8	16.1	17.2	
MBh	35.5	36.2	37.9	40.5	34.7	35.4	37.0	39.5	33.9	34.5	36.2	38.6	33.1	33.7	35.3	37.6	31.4	32.0	33.5	35.8	29.1	29.6	31.1	33.1	
ST	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79	
Delta T	26.2	26.1	26	24	21	26	26	25	21	26	26	25	21	25	26	25	22	24	24	25	21	22	23	20	
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	2.66	2.54	2.60	2.69	2.78	2.63	2.69	2.79	2.88	
AMPS	7.8	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.2	9.4	9.7	10.0	9.8	10.0	10.3	10.7	10.4	10.7	11.0	11.4	11.0	11.3	11.7	12.1	
HIPR	21.1	22.7	24.0	25.0	23.7	25.5	26.9	28.0	26.9	29.0	30.6	31.9	30.7	33.0	34.8	36.3	34.5	37.1	39.2	40.9	38.1	41.0	43.3	45.2	
LOPR	11.2	11.9	13.0	13.9	11.9	12.6	13.8	14.7	12.3	13.1	14.3	15.2	12.9	13.8	15.0	16.0	13.6	14.4	15.7	16.8	14.0	14.9	16.3	17.3	

Shaded area is AHRF Rating Conditions IDB: Entering Indoor Dry Bulb Temperature KW=Total system power  
 High and low pressures are measured at the liquid and suction service valves. AMP=Outdoor unit amps (comp. fan)



# COOLING PERFORMANCE DATA

# \*SZC160601A\*-LOW STAGE

## EXPANDED PERFORMANCE DATA

## COOLING OPERATION

MODEL: \*SZC160601A\* / CA\*F49\*61\*6\*\*\* + TXV / MBVC2000\*\*\*-1\*\*

IDB*	Airflow	Outdoor Ambient Temperature																									
		75					85					95					105					115					
		59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	
70	1050	MBh	35.7	37.0	40.5	-	34.9	36.1	39.6	-	34.0	35.3	38.6	-	33.2	34.4	37.7	-	31.5	32.7	35.8	-	29.2	30.3	33.2	-	
		ST	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.76	0.64	0.44	-	
		DT	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	20	17	13	-	
		KW	2.37	2.42	2.50	-	2.56	2.62	2.71	-	2.73	2.79	2.89	-	2.88	2.95	3.05	-	3.01	3.08	3.18	-	3.12	3.19	3.30	-	
		AMPS	9.1	9.3	9.6	-	9.9	10.1	10.4	-	10.7	11.0	11.3	-	11.5	11.7	12.1	-	12.2	12.5	12.9	-	12.9	13.3	13.7	-	
		HIPR	199	214	226	-	223	240	253	-	253	273	288	-	289	311	328	-	325	349	369	-	359	386	408	-	
	LO PR	100	106	116	-	106	112	123	-	110	117	127	-	115	123	134	-	121	129	140	-	125	133	145	-		
	1200	MBh	38.7	40.1	43.9	-	37.8	39.1	42.9	-	36.9	38.2	41.9	-	36.0	37.3	40.8	-	34.2	35.4	38.8	-	31.6	32.8	35.9	-	
		ST	0.69	0.58	0.40	-	0.72	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.79	0.66	0.46	-	
		DT	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-	
		KW	2.43	2.48	2.57	-	2.63	2.69	2.78	-	2.80	2.87	2.97	-	2.96	3.03	3.13	-	3.09	3.16	3.27	-	3.20	3.28	3.39	-	
		AMPS	9.4	9.6	9.9	-	10.1	10.4	10.7	-	11.0	11.3	11.7	-	11.8	12.1	12.5	-	12.6	12.9	13.3	-	13.3	13.6	14.1	-	
HIPR		205	220	233	-	230	247	261	-	261	281	297	-	298	320	338	-	335	360	380	-	370	398	420	-		
LO PR	103	110	120	-	109	116	126	-	113	120	131	-	119	126	138	-	125	133	145	-	129	137	150	-			
1360	MBh	39.8	41.3	45.2	-	38.9	40.3	44.2	-	38.0	39.4	43.1	-	37.0	38.4	42.1	-	35.2	36.5	40.0	-	32.6	33.8	37.0	-		
	ST	0.72	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-		
	DT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-		
	KW	2.45	2.51	2.59	-	2.65	2.71	2.80	-	2.83	2.89	2.99	-	2.98	3.05	3.16	-	3.12	3.19	3.30	-	3.23	3.31	3.42	-		
	AMPS	9.5	9.7	10.0	-	10.2	10.5	10.8	-	11.1	11.4	11.8	-	11.9	12.2	12.6	-	12.7	13.0	13.4	-	13.4	13.8	14.2	-		
	HIPR	207	222	235	-	232	250	264	-	264	284	300	-	301	323	341	-	338	364	384	-	374	402	424	-		
LO PR	104	111	121	-	110	117	128	-	114	122	133	-	120	128	139	-	126	134	146	-	130	138	151	-			
75	1050	MBh	36.3	37.4	40.4	43.4	35.4	36.5	39.5	42.4	34.6	35.6	38.6	41.4	33.8	34.8	37.6	40.4	32.1	33.0	35.7	38.4	29.7	30.6	33.1	35.5	
		ST	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.38	0.87	0.78	0.59	0.38	
		DT	24	22	18	13	24	22	18	13	24	22	18	13	25	23	19	13	24	24	22	18	13	23	21	17	12
		KW	2.39	2.44	2.52	2.61	2.58	2.64	2.73	2.83	2.75	2.82	2.91	3.02	2.91	2.97	3.08	3.18	3.03	3.11	3.21	3.33	3.15	3.22	3.33	3.45	3.45
		AMPS	9.2	9.4	9.7	10.1	10.0	10.2	10.5	10.9	10.8	11.1	11.5	11.9	11.6	11.9	12.3	12.7	12.3	12.6	13.0	13.5	13.1	13.4	13.8	14.4	14.4
		HIPR	201	216	228	238	225	242	256	267	256	275	291	303	292	314	331	346	328	353	373	389	362	390	412	430	430
	LO PR	101	107	117	125	107	113	124	132	111	118	129	137	116	124	135	144	122	130	142	151	126	134	147	156	156	
	1200	MBh	39.3	40.5	43.8	47.0	38.4	39.5	42.8	45.9	37.5	38.6	41.8	44.8	36.6	37.7	40.8	43.7	34.7	35.8	38.7	41.6	32.2	33.1	35.9	38.5	
		ST	0.79	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.89	0.80	0.61	0.39	0.90	0.81	0.61	0.39	
		DT	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	24	24	22	18	12	22	20	17	12
		KW	2.45	2.51	2.59	2.68	2.65	2.71	2.80	2.90	2.83	2.89	2.99	3.10	2.98	3.05	3.16	3.27	3.12	3.19	3.30	3.42	3.23	3.31	3.42	3.54	3.54
		AMPS	9.5	9.7	10.0	10.4	10.2	10.5	10.8	11.2	11.1	11.4	11.8	12.2	11.9	12.2	12.6	13.1	12.7	13.0	13.4	13.9	13.4	13.8	14.2	14.8	14.8
HIPR		207	223	235	245	232	250	264	275	264	284	300	313	301	323	342	356	338	364	384	401	374	402	425	443	443	
LO PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	139	149	126	134	146	156	130	138	151	161	161		
1360	MBh	40.5	41.7	45.1	48.4	39.6	40.7	44.1	47.3	38.6	39.8	43.0	46.2	37.7	38.8	42.0	45.1	35.8	36.8	39.9	42.8	33.2	34.1	36.9	39.7		
	ST	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.95	0.85	0.64	0.41		
	DT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	23	21	17	12	21	20	16	11	
	KW	2.47	2.53	2.61	2.70	2.67	2.74	2.83	2.93	2.85	2.92	3.02	3.12	3.01	3.08	3.19	3.30	3.14	3.22	3.33	3.45	3.26	3.34	3.45	3.58	3.58	
	AMPS	9.6	9.8	10.1	10.5	10.3	10.6	10.9	11.3	11.2	11.5	11.9	12.3	12.0	12.3	12.7	13.2	12.8	13.1	13.5	14.1	13.6	13.9	14.4	14.9	14.9	
	HIPR	209	225	237	248	234	252	266	278	267	287	303	316	304	327	345	360	342	368	388	405	377	406	429	447	447	
LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	148	157	131	140	153	163	163		

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

# COOLING PERFORMANCE DATA

# \*SZC160601A\*-LOW STAGE

## EXPANDED PERFORMANCE DATA

### COOLING OPERATION

MODEL: \*SZC160601A\* / CA\*F4961\*6\*\* + TXV / MBVC2000\*-1\*\*\*

IDB* Airflow	Outdoor Ambient Temperature																													
	65					75					85					95					105					115				
	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75
1050	MBh	36.9	37.7	40.3	43.1	36.1	36.9	39.4	42.1	35.2	36.0	38.4	41.1	34.4	35.1	37.5	40.1	32.6	33.4	35.6	38.1	30.2	30.9	33.0	35.3					
	ST	0.83	0.78	0.63	0.47	0.86	0.81	0.66	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.70	0.52	0.95	0.89	0.72	0.54	0.95	0.89	0.73	0.54					
	DT	27	26	22	18	27	26	23	18	27	26	23	18	27	26	23	18	27	26	23	18	25	24	21	17					
	KW	2.41	2.46	2.55	2.63	2.61	2.66	2.75	2.85	2.78	2.84	2.94	3.04	2.93	3.00	3.10	3.21	3.06	3.13	3.24	3.36	3.17	3.25	3.36	3.48					
	AMPS	9.3	9.5	9.8	10.2	10.0	10.3	10.6	11.0	10.9	11.2	11.6	12.0	11.7	12.0	12.4	12.8	12.4	12.7	13.2	13.7	13.2	13.5	14.0	14.5					
	HIPR	203	218	230	240	227	245	258	269	259	278	294	306	294	317	335	349	331	357	376	393	366	394	416	434					
	LOPR	102	109	118	126	108	115	125	133	112	119	130	139	118	125	137	146	123	131	143	152	128	136	148	158					
	MBh	40.0	40.9	43.7	46.7	39.1	39.9	42.7	45.6	38.2	39.0	41.7	44.5	37.2	38.0	40.6	43.4	35.4	36.1	38.6	41.3	32.8	33.5	35.8	38.2					
	ST	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.94	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56					
	DT	26	25	22	18	27	26	22	18	27	26	22	18	27	26	22	18	27	25	22	18	25	24	21	17					
1200	KW	2.47	2.53	2.61	2.70	2.67	2.74	2.83	2.93	2.85	2.92	3.02	3.12	3.01	3.08	3.19	3.30	3.14	3.22	3.33	3.45	3.26	3.34	3.45	3.58					
	AMPS	9.6	9.8	10.1	10.5	10.3	10.6	10.9	11.3	11.2	11.5	11.9	12.3	12.0	12.3	12.7	13.2	12.8	13.1	13.5	14.1	13.6	13.9	14.4	14.9					
	HIPR	209	225	237	248	234	252	266	278	267	287	303	316	304	327	345	360	342	368	388	405	377	406	429	447					
	LOPR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	148	157	131	140	153	163					
	MBh	41.2	42.1	45.0	48.1	40.3	41.1	44.0	47.0	39.3	40.2	42.9	45.9	38.3	39.2	41.9	44.7	36.4	37.2	39.8	42.5	33.7	34.5	36.8	39.4					
	ST	0.90	0.85	0.69	0.52	0.94	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.79	0.59	1.00	1.00	0.79	0.59					
	DT	25	24	21	17	26	25	21	17	26	25	21	17	26	25	22	17	25	24	21	17	23	23	20	16					
	KW	2.49	2.55	2.63	2.72	2.70	2.76	2.85	2.95	2.88	2.94	3.05	3.15	3.04	3.11	3.22	3.33	3.17	3.25	3.36	3.48	3.29	3.37	3.48	3.61					
	AMPS	9.6	9.9	10.2	10.6	10.4	10.7	11.0	11.4	11.3	11.6	12.0	12.5	12.1	12.4	12.8	13.3	12.9	13.2	13.7	14.2	13.7	14.0	14.5	15.1					
	HIPR	211	227	240	250	237	255	269	281	269	290	306	319	307	330	348	363	345	371	392	409	381	410	433	452					
LOPR	106	113	123	131	112	119	130	139	117	124	135	144	122	130	142	152	128	137	149	159	133	141	154	164						
1360	MBh	37.6	38.3	40.1	42.8	36.7	37.4	39.2	41.8	35.8	36.5	38.3	40.8	35.0	35.6	37.3	39.8	33.2	33.9	35.5	37.8	30.8	31.4	32.8	35.0					
	ST	0.87	0.84	0.76	0.62	0.90	0.87	0.79	0.64	0.93	0.89	0.81	0.65	0.96	0.92	0.83	0.67	0.99	0.96	0.86	0.70	1.00	0.96	0.87	0.71					
	DT	29	28	27	23	29	29	27	23	29	29	27	23	29	29	27	23	29	28	27	23	27	26	25	22					
	KW	2.43	2.48	2.57	2.65	2.63	2.69	2.78	2.87	2.80	2.87	2.97	3.07	2.96	3.03	3.13	3.24	3.09	3.16	3.27	3.39	3.20	3.28	3.39	3.51					
	AMPS	9.4	9.6	9.9	10.3	10.1	10.4	10.7	11.1	11.0	11.3	11.7	12.1	11.8	12.1	12.5	13.0	12.5	12.9	13.3	13.8	13.3	13.6	14.1	14.6					
	HIPR	205	220	233	243	230	247	261	272	261	281	297	310	297	320	338	353	335	360	380	397	370	398	420	438					
	LOPR	103	110	120	127	109	116	126	135	113	120	131	140	119	126	138	147	125	132	145	154	129	137	150	159					
	MBh	40.7	41.5	43.5	46.4	39.8	40.5	42.5	45.3	38.8	39.6	41.4	44.2	37.9	38.6	40.4	43.1	36.0	36.7	38.4	41.0	33.3	34.0	35.6	38.0					
	ST	0.90	0.87	0.79	0.64	0.94	0.90	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.90	0.73					
	DT	28	28	26	23	29	29	28	27	23	29	28	27	23	29	29	28	27	23	28	26	23	26	26	25	21				
1200	KW	2.49	2.55	2.63	2.72	2.70	2.76	2.85	2.95	2.88	2.94	3.05	3.15	3.04	3.11	3.22	3.33	3.17	3.25	3.36	3.48	3.29	3.37	3.48	3.61					
	AMPS	9.6	9.9	10.2	10.6	10.4	10.7	11.0	11.4	11.3	11.6	12.0	12.5	12.1	12.4	12.8	13.3	12.9	13.2	13.7	14.2	13.7	14.0	14.5	15.1					
	HIPR	211	227	240	250	237	255	269	281	269	290	306	319	307	330	348	363	345	371	392	409	381	410	433	452					
	LOPR	106	113	123	131	112	119	130	139	117	124	135	144	122	130	142	152	128	137	149	159	133	141	154	164					
	MBh	41.9	42.7	44.8	47.8	41.0	41.8	43.7	46.7	40.0	40.8	42.7	45.5	39.0	39.8	41.6	44.4	37.1	37.8	39.6	42.2	34.3	35.0	36.7	39.1					
	ST	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77					
	DT	27.05	27	25	22	27	27	25	22	27	27	25	22	27	27	25	22	27	25	26	25	22	23	24	20					
	1360	KW	2.51	2.57	2.66	2.75	2.72	2.78	2.88	2.98	2.90	2.97	3.07	3.18	3.06	3.13	3.24	3.36	3.20	3.27	3.39	3.51	3.32	3.40	3.51	3.64				
		AMPS	9.7	10.0	10.3	10.7	10.5	10.8	11.1	11.6	11.4	11.7	12.1	12.6	12.2	12.5	13.0	13.5	13.0	13.4	13.8	14.3	13.8	14.2	14.6	15.2				
		HIPR	213	229	242	253	239	257	272	283	272	293	309	322	310	333	352	367	348	375	396	413	385	414	437	456				
LOPR		107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	160	134	143	156	166					

IDB: Entering Indoor Dry Bulb Temperature      KW=Total system power      AMPS=Outdoor unit amps (comp. fan)

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



# COOLING PERFORMANCE DATA

# \*SZC160601B\*-LOW STAGE

## EXPANDED PERFORMANCE DATA

MODEL: \*SZC160601B\* CAPF4961D6 MBVC2000A - LOW STAGE COOLING OPERATION

IDB*	Airflow	Outdoor Ambient Temperature																																			
		65						75						85						95						105						115					
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79						
70	1050	MBh	37.7	39.1	42.8	-	36.8	38.1	41.8	-	35.9	37.2	40.8	-	35.1	36.3	39.8	-	33.3	34.5	37.8	-	30.8	32.0	35.0	-											
		S/T	0.67	0.56	0.38	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.76	0.64	0.44	-											
		Delta T	22	19	14	-	22	19	15	-	22	19	15	-	22	19	15	-	22	19	15	-	21	18	14	-											
		KW	2.33	2.38	2.45	-	2.51	2.56	2.65	-	2.67	2.73	2.82	-	2.81	2.87	2.97	-	2.93	2.99	3.09	-	3.03	3.10	3.20	-											
		AMPS	8.7	8.9	9.2	-	9.3	9.6	9.8	-	10.1	10.3	10.6	-	10.7	11.0	11.3	-	11.4	11.6	12.0	-	12.0	12.3	12.7	-											
		HI PR	199	215	227	-	224	241	254	-	255	274	289	-	290	312	329	-	326	351	371	-	360	388	409	-											
		LO PR	104	110	120	-	110	117	127	-	114	121	132	-	120	127	139	-	125	133	146	-	130	138	151	-											
		MBh	38.3	39.7	43.4	-	37.4	38.7	42.4	-	36.5	37.8	41.4	-	35.6	36.9	40.4	-	33.8	35.0	38.4	-	31.3	32.5	35.6	-											
		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	-	0.79	0.66	0.45	-	0.79	0.66	0.46	-											
		Delta T	21	18	14	-	21	18	14	-	21	19	14	-	22	19	14	-	21	18	14	-	20	17	13	-											
KW	2.36	2.41	2.49	-	2.54	2.60	2.68	-	2.71	2.77	2.86	-	2.85	2.91	3.01	-	2.97	3.04	3.14	-	3.08	3.14	3.25	-													
AMPS	8.8	9.0	9.3	-	9.5	9.7	10.0	-	10.2	10.5	10.8	-	10.9	11.1	11.5	-	11.6	11.8	12.2	-	12.2	12.5	12.9	-													
HI PR	203	218	231	-	228	245	259	-	259	279	294	-	295	317	335	-	332	357	377	-	367	394	417	-													
LO PR	105	112	122	-	111	119	129	-	116	123	134	-	122	129	141	-	127	136	148	-	132	140	153	-													
MBh	39.4	40.8	44.7	-	38.5	39.9	43.7	-	37.6	38.9	42.7	-	36.7	38.0	41.6	-	34.8	36.1	39.5	-	32.3	33.4	36.6	-													
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	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-													
KW	2.38	2.43	2.51	-	2.57	2.62	2.71	-	2.73	2.79	2.88	-	2.87	2.94	3.03	-	3.00	3.06	3.17	-	3.10	3.17	3.28	-													
AMPS	8.9	9.1	9.4	-	9.6	9.8	10.1	-	10.3	10.6	10.9	-	11.0	11.2	11.6	-	11.7	11.9	12.3	-	12.3	12.6	13.0	-													
HI PR	205	221	233	-	230	247	261	-	262	281	297	-	298	321	338	-	335	361	381	-	370	398	421	-													
LO PR	107	113	124	-	113	120	131	-	117	124	136	-	123	131	143	-	129	137	150	-	133	142	155	-													

IDB*	Airflow	Outdoor Ambient Temperature																																			
		65						75						85						95						105						115					
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79						
75	1050	MBh	38.3	39.5	42.7	45.8	37.4	38.5	41.7	44.8	36.5	37.6	40.7	43.7	35.6	36.7	39.7	42.6	33.9	34.9	37.7	40.5	31.4	32.3	35.0	37.5											
		S/T	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.87	0.78	0.59	0.38											
		Delta T	25	23	19	13	26	24	19	13	26	24	19	13	26	24	20	13	26	24	19	13	24	22	18	12											
		KW	2.35	2.40	2.47	2.55	2.53	2.59	2.67	2.76	2.69	2.75	2.84	2.94	2.83	2.90	2.99	3.09	2.95	3.02	3.12	3.23	3.06	3.13	3.23	3.34											
		AMPS	8.8	9.0	9.2	9.5	9.4	9.6	9.9	10.3	10.2	10.4	10.7	11.1	10.8	11.1	11.4	11.8	11.5	11.7	12.1	12.6	12.1	12.4	12.8	13.3											
		HI PR	201	217	229	239	226	243	257	268	257	277	292	305	293	315	333	347	329	355	374	390	364	392	414	431											
		LO PR	105	111	122	130	111	118	129	137	115	122	134	142	121	129	140	149	127	135	147	157	131	139	152	162											
		MBh	38.9	40.1	43.4	46.5	38.0	39.1	42.3	45.4	37.1	38.2	41.3	44.4	36.2	37.3	40.3	43.3	34.4	35.4	38.3	41.1	31.8	32.8	35.5	38.1											
		S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.81	0.61	0.39											
		Delta T	24	22	18	13	25	23	19	13	25	23	19	13	25	23	19	13	25	23	19	13	23	21	17	12											
KW	2.38	2.43	2.51	2.59	2.57	2.62	2.71	2.80	2.73	2.79	2.88	2.98	2.87	2.94	3.04	3.14	3.00	3.06	3.17	3.27	3.10	3.17	3.28	3.39													
AMPS	8.9	9.1	9.4	9.7	9.6	9.8	10.1	10.4	10.3	10.6	10.9	11.3	11.0	11.2	11.6	12.0	11.7	11.9	12.3	12.7	12.3	12.6	13.0	13.5													
HI PR	205	221	233	243	230	248	261	273	262	281	297	310	298	321	339	353	335	361	381	397	370	399	421	439													
LO PR	107	113	124	132	113	120	131	139	117	124	136	145	123	131	143	152	129	137	150	159	133	142	155	165													
MBh	40.1	41.3	44.7	47.9	39.1	40.3	43.6	46.8	38.2	39.3	42.6	45.7	37.3	38.4	41.5	44.6	35.4	36.5	39.5	42.4	32.8	33.8	36.6	39.2													
S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.94	0.84	0.64	0.41													
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	2.40	2.45	2.53	2.61	2.59	2.64	2.73	2.82	2.75	2.81	2.91	3.00	2.90	2.96	3.06	3.16	3.02	3.09	3.19	3.30	3.13	3.20	3.31	3.42													
AMPS	9.0	9.2	9.4	9.8	9.6	9.9	10.2	10.5	10.4	10.7	11.0	11.4	11.1	11.3	11.7	12.1	11.8	12.0	12.4	12.9	12.4	12.7	13.1	13.6													
HI PR	207	223	235	245	232	250	264	275	264	284	300	313	301	324	342	357	339	364	385	401	374	402	425	443													
LO PR	108	114	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	138	151	161	135	143	156	166													

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

# COOLING PERFORMANCE DATA

# \*SZC160601B\*-LOW STAGE

## EXPANDED PERFORMANCE DATA

MODEL: \*SZC160601B\* CAPF4961D6 MBVC2000A - LOW STAGE

COOLING OPERATION

IDB*	Airflow	Outdoor Ambient Temperature																								
		75				85				95				105				115								
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71					
80	1050	MBh	39.0	39.9	42.6	45.5	38.1	38.9	41.6	44.5	37.2	38.0	40.6	43.4	36.3	37.1	39.6	42.3	34.5	35.2	37.6	40.2	31.9	32.6	34.9	37.3
		ST	0.83	0.78	0.63	0.47	0.86	0.81	0.66	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.89	0.72	0.54	0.95	0.89	0.73	0.54
		Delta T	28	27	24	19	29	27	24	19	29	28	24	19	29	28	24	19	28	27	24	19	27	26	22	18
		KW	2.37	2.42	2.49	2.58	2.55	2.61	2.69	2.78	2.71	2.77	2.86	2.96	2.86	2.92	3.02	3.12	2.98	3.05	3.15	3.25	3.08	3.15	3.26	3.37
		AMPS	8.8	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.3	10.5	10.8	11.2	10.9	11.2	11.5	11.9	11.6	11.9	12.2	12.7	12.2	12.5	12.9	13.4
		HIPR	204	219	231	241	228	246	260	271	260	280	295	308	296	318	336	351	333	358	378	394	368	396	418	436
		LO PR	106	113	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	149	158	132	141	154	164
		MBh	39.6	40.5	43.2	46.2	38.7	39.5	42.2	45.1	37.8	38.6	41.2	44.1	36.8	37.6	40.2	43.0	35.0	35.8	38.2	40.8	32.4	33.1	35.4	37.8
		ST	0.86	0.81	0.66	0.49	0.89	0.84	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	0.93	0.75	0.56
		Delta T	27	26	23	18	28	26	23	18	28	26	23	18	28	27	23	18	27	26	23	18	26	25	21	17
KW	2.40	2.45	2.53	2.61	2.59	2.64	2.73	2.82	2.75	2.81	2.91	3.00	2.90	2.96	3.06	3.16	3.02	3.09	3.19	3.30	3.13	3.20	3.31	3.42		
AMPS	9.0	9.2	9.4	9.8	9.6	9.9	10.2	10.5	10.4	10.7	11.0	11.4	11.1	11.3	11.7	12.1	11.8	12.0	12.4	12.9	12.4	12.7	13.1	13.6		
HIPR	207	223	235	245	232	250	264	275	264	284	300	313	301	324	342	357	339	364	385	401	374	403	425	443		
LO PR	108	114	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	138	151	161	135	143	156	166		
80	1150	MBh	40.8	41.7	44.5	47.6	39.8	40.7	43.5	46.5	38.9	39.7	42.5	45.4	37.9	38.8	41.4	44.3	36.0	36.8	39.3	42.1	33.4	34.1	36.4	39.0
		ST	0.90	0.85	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59
		Delta T	25	24	21	17	25	24	21	17	25	24	21	17	26	24	21	17	25	24	21	17	23	23	20	16
		KW	2.42	2.47	2.55	2.63	2.61	2.67	2.75	2.84	2.77	2.84	2.93	3.03	2.92	2.99	3.09	3.19	3.05	3.12	3.22	3.33	3.15	3.23	3.34	3.45
		AMPS	9.0	9.2	9.5	9.9	9.7	9.9	10.2	10.6	10.5	10.7	11.1	11.5	11.2	11.4	11.8	12.2	11.9	12.1	12.5	13.0	12.5	12.8	13.2	13.7
		HIPR	209	225	238	248	235	253	267	278	267	287	303	316	304	327	345	360	342	368	389	405	378	407	429	448
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	153	163	136	145	158	168
		MBh	39.7	40.5	42.4	45.2	38.8	39.5	41.4	44.1	37.8	38.6	40.4	43.1	36.9	37.6	39.4	42.0	35.1	35.7	37.4	39.9	32.5	33.1	34.7	37.0
		ST	0.87	0.84	0.76	0.61	0.90	0.87	0.78	0.64	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.96	0.86	0.70	1.00	0.96	0.87	0.71
		Delta T	30	30	28	24	31	30	28	25	31	30	28	25	31	30	29	25	30	30	28	24	28	28	26	23
KW	2.39	2.44	2.52	2.60	2.57	2.63	2.71	2.80	2.74	2.80	2.89	2.98	2.88	2.94	3.04	3.15	3.00	3.07	3.17	3.28	3.11	3.18	3.29	3.40		
AMPS	8.9	9.1	9.4	9.7	9.6	9.8	10.1	10.5	10.4	10.6	10.9	11.3	11.0	11.3	11.6	12.0	11.7	12.0	12.3	12.8	12.3	12.6	13.0	13.5		
HIPR	206	221	234	244	231	248	262	273	262	282	298	311	299	322	340	354	336	362	382	398	371	400	422	440		
LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	134	142	155	165		
85	1150	MBh	40.3	41.1	43.0	45.9	39.3	40.1	42.0	44.8	38.4	39.2	41.0	43.8	37.5	38.2	40.0	42.7	35.6	36.3	38.0	40.5	33.0	33.6	35.2	37.6
		ST	0.90	0.87	0.79	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	0.73	1.00	1.00	0.90	0.73
		Delta T	29	29	27	23	29	29	27	24	29	29	27	24	30	29	28	24	28	29	27	24	26	27	25	22
		KW	2.42	2.47	2.55	2.63	2.61	2.67	2.75	2.84	2.77	2.84	2.93	3.03	2.92	2.99	3.09	3.19	3.05	3.12	3.22	3.33	3.15	3.23	3.34	3.45
		AMPS	9.0	9.2	9.5	9.9	9.7	9.9	10.2	10.6	10.5	10.7	11.1	11.5	11.2	11.4	11.8	12.2	11.9	12.1	12.5	13.0	12.5	12.8	13.2	13.7
		HIPR	209	225	238	248	235	253	267	278	267	287	303	316	304	327	345	360	342	368	389	405	378	407	429	448
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	153	163	136	145	158	168
		MBh	41.5	42.3	44.3	47.3	40.5	41.3	43.3	46.2	39.6	40.3	42.2	45.1	38.6	39.3	41.2	44.0	36.7	37.4	39.1	41.8	34.0	34.6	36.3	38.7
		ST	0.95	0.91	0.82	0.67	0.98	0.95	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
		Delta T	27	26	25	21	27	27	25	22	27	27	25	22	26	27	25	22	25	25	25	22	23	24	23	20
KW	2.44	2.49	2.57	2.66	2.63	2.69	2.77	2.87	2.80	2.86	2.95	3.05	2.95	3.01	3.11	3.22	3.07	3.14	3.25	3.36	3.18	3.25	3.36	3.48		
AMPS	9.1	9.3	9.6	9.9	9.8	10.0	10.3	10.7	10.6	10.8	11.2	11.6	11.3	11.5	11.9	12.3	12.0	12.2	12.6	13.1	12.6	12.9	13.4	13.8		
HIPR	211	227	240	250	237	255	269	281	270	290	306	319	307	330	349	364	345	372	392	409	382	411	434	452		
LO PR	110	117	127	136	116	123	135	143	121	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170		

Shaded areas ACCA (TVA) conditions IDB: Entering Indoor Dry Bulb Temperature KW= Total system power AMPS=outdoor unitamps (comp.+fan)

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

# COOLING PERFORMANCE DATA

# \*SZC160241A\*-HIGH STAGE

## EXPANDED PERFORMANCE DATA

## EXPANDED PERFORMANCE DATA

MODEL: \*SZC160241A\* / CA\*F3636\*6\*\* + TXV / MBVC1600\*\* - 1\*\*

IDB*	Airtlow	Outdoor Ambient Temperature																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	766	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	0.73	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	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		KW	1.51	1.54	1.59	-	1.63	1.67	1.72	-	1.73	1.77	1.83	-	1.83	1.87	1.93	-	1.91	1.95	2.01	-	1.97	2.02	2.09	-
		AMPS	5.8	5.9	6.1	-	6.2	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	-
		HIPR	214	230	243	-	240	259	273	-	273	294	310	-	311	335	354	-	360	377	398	-	387	416	440	-
		LOPR	107	113	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	133	142	155	-
70	875	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	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.81	0.67	0.47	-	0.83	0.70	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	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	1.55	1.58	1.63	-	1.67	1.71	1.76	-	1.78	1.82	1.88	-	1.87	1.92	1.98	-	1.96	2.00	2.07	-	2.03	2.07	2.14	-
		AMPS	5.9	6.1	6.3	-	6.4	6.6	6.8	-	7.0	7.1	7.4	-	7.4	7.6	7.9	-	7.9	8.1	8.4	-	8.4	8.6	8.9	-
		HIPR	221	238	251	-	248	267	281	-	282	303	320	-	321	345	365	-	361	388	410	-	399	429	453	-
		LOPR	110	117	128	-	116	124	135	-	121	128	140	-	127	135	147	-	133	141	154	-	137	146	160	-
70	984	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	0.80	0.66	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.87	0.73	0.51	-	0.91	0.76	0.52	-	0.91	0.76	0.53	-
		Delta T	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
		KW	1.56	1.60	1.65	-	1.68	1.72	1.78	-	1.79	1.83	1.90	-	1.89	1.93	2.00	-	1.97	2.02	2.09	-	2.04	2.09	2.16	-
		AMPS	6.0	6.1	6.3	-	6.5	6.6	6.8	-	7.0	7.2	7.4	-	7.5	7.7	7.9	-	8.0	8.2	8.5	-	8.5	8.7	9.0	-
		HIPR	223	240	253	-	250	269	284	-	284	306	323	-	324	349	368	-	365	392	414	-	403	433	458	-
		LOPR	111	118	129	-	117	125	136	-	122	130	142	-	128	136	149	-	134	143	156	-	139	148	161	-

IDB*	Airtlow	Outdoor Ambient Temperature																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
75	766	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	0.83	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	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	19	15	10
		KW	1.52	1.56	1.61	1.66	1.64	1.68	1.73	1.79	1.75	1.79	1.85	1.91	1.84	1.88	1.95	2.01	1.92	1.97	2.03	2.10	1.99	2.04	2.10	2.18
		AMPS	5.8	6.0	6.2	6.4	6.3	6.4	6.6	6.9	6.8	7.0	7.2	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
		HIPR	216	233	246	256	243	261	276	288	276	297	314	327	314	338	357	373	364	381	402	419	391	421	444	463
		LOPR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	161	135	143	156	167
75	875	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	0.86	0.77	0.58	0.38	0.89	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.98	0.88	0.67	0.43	0.99	0.89	0.67	0.43
		Delta T	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	20	16	11	20	18	15	10
		KW	1.56	1.60	1.65	1.70	1.68	1.72	1.78	1.84	1.79	1.83	1.90	1.96	1.89	1.93	2.00	2.07	1.97	2.02	2.09	2.16	2.04	2.09	2.16	2.24
		AMPS	6.0	6.1	6.3	6.6	6.5	6.6	6.8	7.1	7.0	7.2	7.4	7.7	7.5	7.7	7.9	8.2	8.0	8.2	8.5	8.8	8.5	8.7	9.0	9.3
		HIPR	223	240	253	264	250	269	284	297	285	306	323	337	324	349	368	384	365	392	414	432	403	434	458	477
		LOPR	111	118	129	137	117	125	136	145	122	130	142	151	128	136	149	158	134	143	156	166	139	148	161	172
75	984	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	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.96	0.86	0.65	0.42	0.99	0.89	0.67	0.43	1.00	0.92	0.70	0.45	1.00	0.93	0.70	0.45
		Delta T	20	19	15	11	20	19	15	11	20	19	15	11	21	19	16	11	20	19	15	11	18	17	14	10
		KW	1.57	1.61	1.66	1.72	1.70	1.74	1.79	1.85	1.81	1.85	1.91	1.98	1.91	1.95	2.02	2.08	1.99	2.03	2.10	2.18	2.06	2.11	2.18	2.26
		AMPS	6.0	6.2	6.4	6.6	6.5	6.7	6.9	7.2	7.1	7.3	7.5	7.8	7.6	7.8	8.0	8.3	8.1	8.3	8.5	8.9	8.5	8.7	9.0	9.4
		HIPR	225	242	256	267	253	272	287	300	287	309	327	341	327	352	372	388	368	396	418	436	407	438	462	482
		LOPR	112	119	130	139	119	126	138	147	123	131	143	152	129	138	150	160	136	144	157	168	140	149	163	173

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

# COOLING PERFORMANCE DATA

# \*SZC160241A\*-HIGH STAGE

## EXPANDED PERFORMANCE DATA

## COOLING OPERATION

MODEL: \*SZC160241A\* / CA\*F3636\*6\*\* + TXV / MBVC1600\*\*-1\*\*

IDB*	Airflow	Outdoor Ambient Temperature																								
		66				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	766	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
		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	1.04	0.97	0.79	0.59	1.05	0.98	0.80	0.60
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	22	22	19
		KW	1.54	1.57	1.62	1.67	1.66	1.69	1.75	1.81	1.76	1.80	1.86	1.93	1.86	1.90	1.96	2.03	1.94	1.98	2.05	2.12	2.01	2.05	2.12	2.20
		AMPS	5.9	6.0	6.2	6.4	6.3	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	8.8	9.1
		HIPR	218	235	248	259	245	264	279	291	279	300	317	330	318	342	361	376	367	384	406	423	395	425	449	468
		LOPR	109	116	126	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168
		MBh	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
		S/T	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.00	0.94	0.77	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.83	0.62
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	22	22	20	16	20	21	18	15
KW	1.57	1.61	1.66	1.72	1.70	1.74	1.79	1.85	1.81	1.85	1.91	1.98	1.91	1.95	2.02	2.08	1.99	2.03	2.10	2.18	2.06	2.11	2.18	2.26		
AMPS	6.0	6.2	6.4	6.6	6.5	6.7	6.9	7.2	7.1	7.3	7.5	7.8	7.6	7.8	8.0	8.1	8.1	8.3	8.5	8.9	8.5	8.7	9.0	9.4		
HIPR	225	242	256	267	253	272	287	300	287	309	327	341	327	352	372	388	368	396	419	436	407	438	462	482		
LOPR	112	119	130	139	119	126	138	147	123	131	143	152	129	138	150	160	136	144	158	168	140	149	163	174		
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		
S/T	1.00	0.93	0.76	0.57	1.00	0.96	0.79	0.59	1.00	1.00	0.81	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.86	0.64	1.00	1.00	0.87	0.65		
Delta T	23	22	19	15	22	22	19	15	22	22	19	15	21	21	19	15	20	21	19	15	19	19	18	14		
KW	1.59	1.62	1.67	1.73	1.71	1.75	1.81	1.87	1.82	1.87	1.93	1.99	1.92	1.97	2.03	2.10	2.01	2.05	2.12	2.20	2.08	2.13	2.20	2.28		
AMPS	6.1	6.2	6.4	6.7	6.6	6.7	7.0	7.2	7.1	7.3	7.6	7.9	7.6	7.8	8.1	8.4	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.5		
HIPR	227	245	258	270	255	275	290	303	290	312	330	344	331	356	376	392	372	400	423	441	411	442	467	487		
LOPR	110	117	128	136	116	124	135	144	121	128	140	149	127	135	147	157	133	141	154	164	137	146	160	170		
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		
S/T	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	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		
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		
KW	1.59	1.62	1.67	1.73	1.71	1.75	1.81	1.87	1.82	1.87	1.93	1.99	1.92	1.97	2.03	2.10	2.01	2.05	2.12	2.20	2.08	2.13	2.20	2.28		
AMPS	6.1	6.2	6.4	6.7	6.6	6.7	7.0	7.2	7.1	7.3	7.6	7.9	7.6	7.8	8.1	8.4	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.5		
HIPR	227	245	258	270	255	275	290	303	290	312	330	344	331	356	376	392	372	400	423	441	411	442	467	487		
LOPR	113	121	132	140	120	127	139	148	124	132	145	154	131	139	152	162	137	146	159	169	142	151	165	175		
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		
S/T	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.96	0.78	1.00	1.00	0.99	0.81	1.00	1.00	1.00	0.84	1.00	1.00	1.00	0.84		
Delta T	23	24	22	19	23	23	23	20	22	22	23	20	22	22	23	20	22	22	22	19	19	19	20	18		
KW	1.60	1.64	1.69	1.74	1.73	1.77	1.82	1.89	1.84	1.88	1.94	2.01	1.94	1.98	2.05	2.12	2.02	2.07	2.14	2.21	2.10	2.14	2.22	2.30		
AMPS	6.1	6.3	6.5	6.7	6.6	6.8	7.0	7.3	7.2	7.4	7.6	7.9	7.7	7.9	8.2	8.5	8.2	8.4	8.7	9.0	8.7	8.9	9.2	9.6		
HIPR	230	247	261	272	258	277	293	306	293	316	333	348	334	359	379	396	376	404	427	445	415	447	472	492		
LOPR	114	122	133	142	121	129	140	150	126	134	146	155	132	140	153	163	138	147	161	171	143	152	166	177		

Shaded area is AHRJ Rating Conditions IDB: Entering Indoor Dry Bulb Temperature KW=Total system power  
 High and low pressures are measured at the liquid and suction service valves. AMP=Outdoor unit amps (comp.+fan)

# COOLING PERFORMANCE DATA

# \*SZC160361A\*-HIGH STAGE

## EXPANDED PERFORMANCE DATA

## EXPANDED PERFORMANCE DATA

MODEL: \*SZC160361A\* / CA\*F3743\*6\*\* + TXV / MBVC1600\*\*-1\*\*

IDB	Airflow	Outdoor Ambient Temperature																																									
		65							75							85							95							105							115						
		59	63	67	71	75	79	83	59	63	67	71	75	79	83	59	63	67	71	75	79	83	59	63	67	71	75	79	83	59	63	67	71	75	79	83							
70	1006	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	-																	
		S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.78	0.65	0.45	-																	
		Delta T	19	16	12	-	19	16	13	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-																	
		KW	2.09	2.13	2.20	-	2.25	2.30	2.37	-	2.39	2.45	2.53	-	2.52	2.58	2.66	-	2.63	2.69	2.78	-	2.72	2.78	2.88	-																	
		AMPS	8.0	8.2	8.5	-	8.7	8.9	9.1	-	9.4	9.6	9.9	-	10.0	10.3	10.6	-	10.7	10.9	11.3	-	11.3	11.6	12.0	-																	
70	1150	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	-																	
		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	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-																	
		KW	2.14	2.19	2.26	-	2.31	2.36	2.44	-	2.46	2.51	2.59	-	2.59	2.65	2.73	-	2.70	2.76	2.85	-	2.79	2.86	2.95	-																	
		AMPS	8.2	8.4	8.7	-	8.9	9.1	9.4	-	9.7	9.9	10.2	-	10.3	10.6	10.9	-	11.0	11.2	11.6	-	11.6	11.9	12.3	-																	
70	1294	MBh	21.8	23.4	24.7	-	24.4	26.3	27.8	-	27.8	29.9	31.6	-	31.7	34.1	36.0	-	35.6	38.3	40.5	-	39.3	42.3	44.7	-																	
		S/T	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-																	
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-																	
		KW	2.16	2.20	2.27	-	2.33	2.38	2.46	-	2.48	2.53	2.62	-	2.61	2.67	2.76	-	2.72	2.78	2.88	-	2.82	2.88	2.98	-																	
		AMPS	8.3	8.5	8.8	-	9.0	9.2	9.5	-	9.7	10.0	10.3	-	10.4	10.7	11.0	-	11.1	11.3	11.7	-	11.7	12.0	12.4	-																	

IDB	Airflow	Outdoor Ambient Temperature																																									
		65							75							85							95							105							115						
		59	63	67	71	75	79	83	59	63	67	71	75	79	83	59	63	67	71	75	79	83	59	63	67	71	75	79	83	59	63	67	71	75	79	83							
75	1006	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	0.77	0.69	0.52	0.34	0.80	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.84	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.88	0.79	0.60	0.39																	
		Delta T	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11																	
		KW	2.10	2.15	2.22	2.29	2.27	2.32	2.39	2.47	2.41	2.47	2.55	2.64	2.54	2.60	2.69	2.78	2.65	2.71	2.80	2.90	2.75	2.81	2.90	3.00																	
		AMPS	8.1	8.3	8.6	8.9	8.7	8.9	9.2	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																	
75	1150	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	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40																	
		Delta T	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	18	15	10																	
		KW	2.16	2.20	2.28	2.35	2.33	2.38	2.46	2.54	2.48	2.53	2.62	2.70	2.61	2.67	2.76	2.85	2.72	2.78	2.88	2.98	2.82	2.88	2.98	3.08																	
		AMPS	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.8	9.7	10.0	10.3	10.7	10.4	10.7	11.0	11.4	11.1	11.3	11.7	12.2	11.7	12.0	12.4	12.9																	
75	1294	MBh	22.0	23.7	25.0	26.1	24.7	26.6	28.1	29.3	28.1	30.2	31.9	33.3	32.0	34.4	36.3	37.9	36.0	38.7	40.9	42.6	39.7	42.8	45.2	47.1																	
		S/T	0.74	0.62	0.43	0.26	0.76	0.64	0.44	0.27	0.78	0.65	0.45	0.28	0.80	0.67	0.47	0.29	0.82	0.70	0.49	0.30	0.83	0.71	0.49	0.30																	
		Delta T	18	15	12	8	18	16	12	8	18	16	12	8	18	16	12	8	18	15	12	8	17	14	11	7																	
		KW	2.16	2.20	2.27	-	2.33	2.38	2.46	-	2.48	2.53	2.62	-	2.61	2.67	2.76	-	2.72	2.78	2.88	-	2.82	2.88	2.98	-																	
		AMPS	8.3	8.5	8.8	-	9.0	9.2	9.5	-	9.7	10.0	10.3	-	10.4	10.7	11.0	-	11.1	11.3	11.7	-	11.7	12.0	12.4	-																	

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



# COOLING PERFORMANCE DATA

# \*SZC160361A\*-HIGH STAGE

## EXPANDED PERFORMANCE DATA

## COOLING OPERATION

MODEL: \*SZC160361A\* / CA\*F3743\*6\*\* + TXV / MBVC1600\*\*~1\*\*

IDB*	Airflow	Outdoor Ambient Temperature																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	1006	MWh	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
		S/T	0.84	0.79	0.64	0.48	0.88	0.82	0.67	0.50	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.56
		Delta T	24	23	20	16	25	24	20	16	25	24	21	16	25	24	21	16	24	23	20	16	23	22	19	15
		KW	2.12	2.17	2.24	2.31	2.29	2.34	2.41	2.50	2.44	2.49	2.57	2.66	2.56	2.62	2.71	2.80	2.67	2.74	2.83	2.92	2.77	2.83	2.93	3.03
		AMPS	8.2	8.4	8.6	8.9	8.8	9.0	9.3	9.7	9.6	9.8	10.1	10.5	10.2	10.5	10.8	11.2	10.9	11.1	11.5	11.9	11.5	11.8	12.2	12.6
		HI PR	216	232	245	255	242	260	275	287	275	296	313	326	313	337	356	371	362	379	401	418	389	419	443	462
		LO PR	105	112	122	130	111	119	129	138	116	123	134	143	122	129	141	150	127	136	148	158	132	140	153	163
		MWh	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
		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
		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
80	1150	KW	2.18	2.22	2.29	2.37	2.35	2.40	2.48	2.56	2.50	2.55	2.64	2.73	2.63	2.69	2.78	2.88	2.74	2.81	2.90	3.00	2.84	2.91	3.01	3.11
		AMPS	8.4	8.6	8.9	9.2	9.1	9.3	9.6	9.9	9.8	10.1	10.4	10.8	10.5	10.8	11.1	11.5	11.2	11.4	11.8	12.3	11.8	12.1	12.5	13.0
		HI PR	222	239	253	263	249	268	283	296	284	305	322	336	323	348	367	383	363	391	413	431	401	432	456	476
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	153	163	136	145	158	168
		MWh	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
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	1.00	0.92	0.74	0.56	1.00	0.94	0.77	0.57	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	15	24	22	19	15	23	22	19	16	22	23	19	15	20	21	18	14
		KW	2.19	2.24	2.31	2.39	2.37	2.42	2.50	2.58	2.52	2.58	2.66	2.75	2.65	2.71	2.80	2.90	2.77	2.83	2.93	3.03	2.87	2.93	3.03	3.14
		AMPS	8.5	8.7	8.9	9.3	9.1	9.4	9.7	10.0	9.9	10.2	10.5	10.9	10.6	10.9	11.2	11.6	11.3	11.5	11.9	12.4	11.9	12.2	12.6	13.1
		HI PR	224	242	255	266	252	271	286	299	286	308	325	339	326	351	371	387	367	395	417	435	406	436	461	481
LO PR	110	117	128	136	116	123	135	144	121	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170		
85	1006	MWh	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	0.89	0.85	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	0.98	0.89	0.72
		Delta T	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	26	26	24	21	24	24	23	20
		KW	2.14	2.19	2.26	2.33	2.31	2.36	2.43	2.52	2.46	2.51	2.59	2.68	2.59	2.64	2.73	2.83	2.70	2.76	2.85	2.95	2.79	2.86	2.95	3.06
		AMPS	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.7	9.9	10.2	10.6	10.3	10.6	10.9	11.3	11.0	11.2	11.6	12.0	11.6	11.9	12.3	12.8
		HI PR	218	234	247	258	244	263	278	290	278	299	316	329	316	341	360	375	366	393	405	422	393	423	447	466
		LO PR	107	113	124	132	113	120	131	139	117	124	136	145	123	131	143	152	129	137	150	159	133	142	155	165
		MWh	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	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74
		Delta T	25	25	24	20	26	25	24	21	26	25	24	21	26	26	24	21	24	25	24	21	23	23	22	19
85	1150	KW	2.19	2.24	2.31	2.39	2.37	2.42	2.50	2.58	2.52	2.58	2.66	2.75	2.65	2.71	2.80	2.90	2.77	2.83	2.93	3.03	2.87	2.93	3.03	3.14
		AMPS	8.5	8.7	8.9	9.3	9.1	9.4	9.7	10.0	9.9	10.2	10.5	10.9	10.6	10.9	11.2	11.6	11.3	11.5	11.9	12.4	11.9	12.2	12.6	13.1
		HI PR	224	242	255	266	252	271	286	299	286	308	325	339	326	351	371	387	367	395	417	435	406	436	461	481
		LO PR	110	117	128	136	116	123	135	144	121	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170
		MWh	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	36.9	29.2	29.8	31.2	33.3
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		Delta T	24	24	23	20	25	24	23	20	24	24	23	20	24	24	23	20	22	23	23	20	21	21	21	18
		KW	2.21	2.26	2.33	2.41	2.39	2.44	2.52	2.60	2.54	2.60	2.68	2.77	2.68	2.74	2.83	2.93	2.79	2.86	2.95	3.05	2.89	2.96	3.06	3.17
		AMPS	8.5	8.7	9.0	9.4	9.2	9.4	9.7	10.1	10.0	10.3	10.6	11.0	10.7	11.0	11.3	11.7	11.4	11.7	12.0	12.5	12.0	12.3	12.8	13.2
		HI PR	227	244	258	269	254	274	289	301	289	311	329	343	329	355	374	391	371	399	421	439	410	441	465	485
LO PR	111	118	129	137	117	125	136	145	122	130	141	151	128	136	149	158	134	143	156	166	139	148	161	172		

Shaded area is A-HRI Rating Conditions IDB: Entering Indoor Dry Bulb Temperature IDB: Entering Indoor Wet Bulb Temperature KW=Total system power AMPS=Outdoor unit amps (comp.+fan)

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

# COOLING PERFORMANCE DATA

# \*SZC160481A\*-HIGH STAGE

## EXPANDED PERFORMANCE DATA

## EXPANDED PERFORMANCE DATA

MODEL: \*SZC160481A\* / CA\*F4961\*6\*\* + TXV / MBVC2000\*\*.-1\*\*

IDB*	Airflow	Outdoor Ambient Temperature																													
		65					75					85					95					105					115				
		59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75
70	1366	MBh	41.7	43.2	47.4	-	40.7	42.2	46.3	-	39.8	41.2	45.2	-	38.8	40.2	44.1	-	36.9	38.2	41.9	-	34.1	35.4	38.8	-					
		S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-					
		Delta T	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-					
		KW	2.73	2.79	2.88	-	2.94	3.01	3.10	-	3.13	3.20	3.30	-	3.29	3.37	3.48	-	3.43	3.51	3.63	-	3.55	3.63	3.76	-					
		AMPS	5.4	5.6	6.0	-	6.2	6.5	6.9	-	7.2	7.5	7.9	-	8.0	8.3	8.7	-	8.8	9.1	9.6	-	9.6	10.0	10.5	-					
	1550	HI PR	203	219	231	-	228	245	259	-	259	279	295	-	296	318	336	-	332	358	378	-	367	395	417	-					
		LO PR	102	109	119	-	108	115	126	-	113	120	131	-	118	126	137	-	124	132	144	-	128	136	149	-					
		MBh	45.2	46.8	51.3	-	44.1	45.7	50.1	-	43.1	44.7	48.9	-	42.0	43.6	47.7	-	39.9	41.4	45.4	-	37.0	38.3	42.0	-					
		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	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-					
1744	KW	2.80	2.86	2.95	-	3.02	3.08	3.18	-	3.21	3.28	3.39	-	3.38	3.45	3.57	-	3.52	3.60	3.72	-	3.65	3.73	3.86	-						
	AMPS	5.7	5.9	6.3	-	6.5	6.8	7.2	-	7.5	7.8	8.2	-	8.4	8.7	9.1	-	9.2	9.5	10.0	-	10.0	10.4	10.9	-						
	HI PR	210	226	238	-	235	253	267	-	267	288	304	-	305	328	346	-	343	369	389	-	379	408	430	-						
	LO PR	106	112	123	-	112	119	130	-	116	123	135	-	122	130	142	-	128	136	148	-	132	141	153	-						
	MBh	46.5	48.2	52.9	-	45.5	47.1	51.6	-	44.4	46.0	50.4	-	43.3	44.9	49.2	-	41.1	42.6	46.7	-	38.1	39.5	43.3	-						
75	1366	S/T	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.81	0.67	0.47	-	0.83	0.70	0.48	-	0.86	0.72	0.50	-	0.87	0.73	0.50	-					
		Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	15	11	-					
		KW	2.82	2.88	2.98	-	3.04	3.11	3.21	-	3.24	3.31	3.42	-	3.41	3.48	3.60	-	3.55	3.63	3.75	-	3.68	3.76	3.89	-					
		AMPS	5.8	6.0	6.4	-	6.6	6.9	7.3	-	7.6	7.9	8.3	-	8.5	8.8	9.3	-	9.3	9.7	10.2	-	10.2	10.5	11.1	-					
		HI PR	212	228	241	-	228	256	270	-	270	291	307	-	308	331	350	-	346	373	393	-	382	412	435	-					
	1550	LO PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	133	142	155	-					
		MBh	42.4	43.7	47.3	50.7	41.4	42.7	46.2	49.6	40.4	41.6	45.1	48.4	39.5	40.6	44.0	47.2	37.5	38.6	41.8	44.8	34.7	35.8	38.7	41.5					
		S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40					
		Delta T	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	20	16	11					
		KW	2.76	2.81	2.90	3.00	2.97	3.03	3.13	3.23	3.16	3.23	3.33	3.44	3.32	3.40	3.51	3.63	3.46	3.54	3.66	3.78	3.59	3.67	3.79	3.92					
1744	AMPS	5.5	5.7	6.1	6.5	6.3	6.6	7.0	7.4	7.3	7.6	8.0	8.5	8.1	8.4	8.9	9.4	8.9	9.3	9.8	10.3	9.8	10.1	10.6	11.2						
	HI PR	205	221	233	243	230	248	262	273	262	282	298	311	299	321	339	354	336	361	382	398	371	399	422	440						
	LO PR	104	110	120	128	109	116	127	135	114	121	132	141	119	127	139	148	125	133	145	155	129	138	150	160						
	MBh	46.0	47.3	51.2	55.0	44.9	46.2	50.0	53.7	43.8	45.1	48.8	52.4	42.8	44.0	47.6	51.1	40.6	41.8	45.3	48.6	37.6	38.7	41.9	45.0						
	S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.94	0.84	0.64	0.41						
75	1550	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	2.82	2.88	2.98	3.07	3.04	3.11	3.21	3.32	3.24	3.31	3.42	3.53	3.41	3.48	3.60	3.72	3.55	3.63	3.75	3.88	3.68	3.76	3.89	4.02					
		AMPS	5.8	6.0	6.4	6.8	6.6	6.9	7.3	7.7	7.6	7.9	8.3	8.8	8.5	8.8	9.3	9.8	9.3	9.7	10.2	10.7	10.2	10.5	11.1	11.7					
		HI PR	212	228	241	251	238	256	270	282	270	291	307	320	308	331	350	365	346	373	393	410	383	412	435	453					
		LO PR	107	114	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	160	133	142	155	165					
	1744	MBh	47.3	48.7	52.8	56.6	46.2	47.6	51.5	55.3	45.1	46.5	50.3	54.0	44.0	45.3	49.1	52.7	41.8	43.1	46.6	50.0	38.7	39.9	43.2	46.3					
		S/T	0.86	0.77	0.58	0.38	0.89	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.89	0.67	0.43					
		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	2.85	2.91	3.00	3.10	3.07	3.14	3.24	3.34	3.26	3.34	3.45	3.56	3.44	3.51	3.63	3.75	3.58	3.66	3.79	3.92	3.71	3.79	3.92	4.06					
		AMPS	5.9	6.1	6.5	6.9	6.7	7.0	7.4	7.9	7.7	8.0	8.5	9.0	8.6	8.9	9.4	9.9	9.5	9.8	10.3	10.9	10.3	10.7	11.2	11.8					
75	HI PR	214	230	243	253	240	258	273	284	273	294	310	323	311	334	353	368	350	376	397	414	386	416	439	458						
	LO PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	161	135	143	157	167						

Shaded areas ACCA (1 VA) conditions IDB: Entering Indoor Dry Bulb temperature KWE: Total system power  
 High and low pressures are measured at the liquid and suction service valves. AMP-S: outdoor unit amps (comp+fan)



# COOLING PERFORMANCE DATA

# \*SZC160481A\*-HIGH STAGE

## EXPANDED PERFORMANCE DATA

## COOLING OPERATION

MODEL: \*SZC160481A\* / CA\*F4961\*6\*\* + TXV / MBVC2000\*\*.-1\*\*

IDB*	Airflow	Outdoor Ambient Temperature																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	1366	MBh	43.2	44.1	47.1	50.4	42.2	43.1	46.0	49.2	41.2	42.1	44.9	48.0	40.2	41.0	43.8	46.9	38.2	39.0	41.7	44.5	35.3	36.1	38.6	41.2
		S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.92	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57
		Delta T	25	24	21	17	26	25	21	17	26	25	21	17	26	25	22	17	26	24	21	17	24	23	20	16
		KW	2.78	2.84	2.93	3.02	2.99	3.06	3.16	3.26	3.18	3.25	3.36	3.47	3.35	3.43	3.54	3.66	3.49	3.57	3.69	3.82	3.62	3.70	3.82	3.96
		AMPS	5.6	5.8	6.2	6.6	6.4	6.7	7.1	7.5	7.4	7.7	8.1	8.6	8.2	8.6	9.0	9.5	9.1	9.4	9.9	10.4	9.9	10.3	10.8	11.4
		HI PR	207	223	236	246	233	251	265	276	265	285	301	314	302	324	343	357	339	365	385	402	375	403	426	444
		LO PR	106	111	121	128	110	118	128	137	115	122	133	142	121	128	140	149	126	134	147	156	131	139	152	162
		MBh	468	478	51.1	54.6	45.7	46.7	49.9	53.3	44.6	45.6	48.7	52.0	43.5	44.5	47.5	50.8	41.3	42.2	45.1	48.2	38.3	39.1	41.8	44.7
		S/T	0.90	0.85	0.69	0.51	0.94	0.88	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59
		Delta T	25	24	21	17	25	24	21	17	25	24	21	17	26	24	21	17	26	24	21	17	23	23	20	16
80	1550	KW	2.85	2.91	3.00	3.10	3.07	3.14	3.24	3.34	3.26	3.34	3.45	3.56	3.44	3.51	3.63	3.75	3.58	3.66	3.79	3.92	3.71	3.79	3.92	4.06
		AMPS	5.9	6.1	6.5	6.9	6.7	7.0	7.4	7.9	7.7	8.0	8.5	9.0	8.6	8.9	9.4	9.9	9.5	9.8	10.3	10.9	10.3	10.7	11.2	11.8
		HI PR	214	230	243	253	240	258	273	284	273	294	310	323	311	335	353	368	350	376	397	414	386	416	439	458
		LO PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	161	135	143	157	167
		MBh	482	492	52.6	56.2	47.1	48.1	51.4	54.9	45.9	46.9	50.1	53.6	44.8	45.8	48.9	52.3	42.6	43.5	46.5	49.7	39.4	40.3	43.1	46.0
		S/T	0.95	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
		Delta T	24	23	20	16	25	23	20	16	24	23	20	16	24	24	20	16	22	23	20	16	21	21	19	15
		KW	2.87	2.93	3.03	3.12	3.09	3.16	3.26	3.37	3.29	3.36	3.48	3.59	3.47	3.54	3.66	3.79	3.61	3.70	3.82	3.95	3.74	3.83	3.96	4.09
		AMPS	6.0	6.2	6.6	7.0	6.8	7.1	7.5	8.0	7.9	8.2	8.6	9.1	8.7	9.1	9.5	10.1	9.6	10.0	10.4	11.0	10.5	10.8	11.4	12.0
		HI PR	216	232	245	256	242	261	275	287	276	297	313	327	314	338	357	372	353	380	401	419	390	420	443	463
LO PR	109	116	126	136	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168		
86	1366	MBh	43.9	44.8	46.9	50.0	42.9	43.7	45.8	48.9	41.9	42.7	44.7	47.7	40.9	41.7	43.6	46.5	38.8	39.6	41.4	44.2	36.0	36.7	38.4	41.0
		S/T	0.91	0.88	0.79	0.64	0.95	0.91	0.82	0.67	0.97	0.94	0.84	0.68	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
		Delta T	27	27	25	22	27	27	26	22	28	27	26	22	28	27	26	22	28	27	25	22	24	25	24	21
		KW	2.80	2.86	2.95	3.05	3.02	3.08	3.18	3.29	3.21	3.28	3.39	3.50	3.38	3.45	3.57	3.69	3.52	3.60	3.72	3.85	3.65	3.73	3.85	3.99
		AMPS	5.7	5.9	6.3	6.7	6.5	6.8	7.2	7.6	7.5	7.8	8.2	8.7	8.4	8.7	9.1	9.7	9.2	9.5	10.0	10.6	10.0	10.4	10.9	11.5
		HI PR	210	225	238	248	235	253	267	279	267	288	304	317	305	328	346	361	343	369	389	406	379	407	430	449
		LO PR	106	112	123	131	112	119	130	138	116	123	135	143	122	130	141	151	128	136	148	158	132	140	153	163
		MBh	47.6	48.5	50.8	54.2	46.5	47.4	49.6	52.9	45.4	46.3	48.4	51.7	44.3	45.1	47.3	50.4	42.1	42.9	44.9	47.9	39.0	39.7	41.6	44.4
		S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77
		Delta T	27	26	25	21	27	27	25	22	27	27	25	22	26	27	25	22	26	25	25	22	23	24	23	20
86	1550	KW	2.87	2.93	3.03	3.12	3.09	3.16	3.26	3.37	3.29	3.36	3.48	3.59	3.47	3.54	3.66	3.79	3.61	3.70	3.82	3.95	3.74	3.83	3.96	4.09
		AMPS	6.0	6.2	6.6	7.0	6.8	7.1	7.5	8.0	7.9	8.2	8.6	9.1	8.7	9.1	9.5	10.1	9.6	10.0	10.4	11.0	10.5	10.8	11.4	12.0
		HI PR	216	232	245	256	242	261	275	287	276	297	313	327	314	338	357	372	353	380	401	419	390	420	443	463
		LO PR	109	116	126	136	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168
		MBh	49.0	50.0	52.3	55.8	47.9	48.8	51.1	54.5	46.7	47.6	49.9	53.2	45.6	46.5	48.7	51.9	43.3	44.2	46.2	49.3	40.1	40.9	42.8	45.7
		S/T	0.99	0.95	0.86	0.70	1.00	0.99	0.90	0.73	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
		Delta T	26	25	24	21	25	26	24	21	25	25	24	21	24	25	24	21	24	23	23	24	21	22	22	19
		KW	2.89	2.96	3.05	3.15	3.12	3.19	3.29	3.40	3.32	3.39	3.50	3.62	3.49	3.57	3.69	3.82	3.64	3.73	3.85	3.98	3.77	3.86	3.99	4.13
		AMPS	6.1	6.3	6.7	7.1	7.0	7.2	7.6	8.1	8.0	8.3	8.7	9.2	8.9	9.2	9.7	10.2	9.7	10.1	10.6	11.2	10.6	11.0	11.5	12.1
		HI PR	218	235	248	259	245	263	278	290	278	300	316	330	317	341	360	376	357	384	405	423	394	424	448	467
LO PR	110	117	128	136	116	124	135	144	121	128	140	149	127	135	147	157	133	141	154	164	137	146	160	170		

Shaded areas is AHRI Rating Conditions IDB: Entering Indoor Dry Bulb Temperature KW=Total system power  
 High and low pressures are measured at the liquid and suction service valves. IDB=Outdoor unit amps (comp.-fan)

# COOLING PERFORMANCE DATA

# \*SZC160601A\*-HIGH STAGE

## EXPANDED PERFORMANCE DATA

## EXPANDED PERFORMANCE DATA

MODEL: \*SZC160601A\* / CA\*F4961\*6\*\* + TXV / MBVC2000\*\* -1\*\*

IDB	Airflow	Outdoor Ambient Temperature																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	1575	MBh	50.1	51.9	56.8	-	48.9	50.7	55.5	-	47.7	49.5	54.2	-	46.6	48.3	52.9	-	44.2	45.8	50.2	-	41.0	42.5	46.5	-
		S/T	0.68	0.57	0.39	-	0.71	0.59	0.41	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-
		DT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-
		KW	3.46	3.53	3.64	-	3.73	3.81	3.93	-	3.97	4.06	4.19	-	4.18	4.27	4.42	-	4.36	4.46	4.61	-	4.51	4.62	4.77	-
		AMPS	12.6	13.0	13.4	-	13.7	14.0	14.5	-	14.9	15.3	15.8	-	16.0	16.4	16.9	-	17.0	17.4	18.0	-	18.0	18.5	19.1	-
	1800	H PR	205	221	233	-	230	248	262	-	262	282	298	-	298	321	339	-	336	361	382	-	371	399	422	-
		LOPR	97	103	112	-	102	109	119	-	106	113	124	-	112	119	130	-	117	125	136	-	121	129	141	-
		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	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.81	0.68	0.47	-
		DT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
2025	KW	3.54	3.62	3.74	-	3.82	3.91	4.04	-	4.07	4.16	4.30	-	4.29	4.38	4.53	-	4.47	4.58	4.73	-	4.63	4.74	4.90	-	
	AMPS	13.0	13.3	13.8	-	14.1	14.4	14.9	-	15.3	15.7	16.3	-	16.4	16.8	17.4	-	17.5	17.9	18.6	-	18.6	19.0	19.7	-	
	H PR	212	228	241	-	238	256	270	-	270	291	307	-	308	331	350	-	346	373	393	-	382	412	435	-	
	LOPR	100	106	116	-	106	112	123	-	110	117	127	-	115	123	134	-	121	128	140	-	125	133	145	-	
	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	-	

IDB	Airflow	Outdoor Ambient Temperature																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
75	1575	MBh	50.9	52.4	56.7	60.9	49.7	51.2	55.4	59.5	48.5	50.0	54.1	58.1	47.3	48.8	52.8	56.6	45.0	46.3	50.1	53.8	41.7	42.9	46.4	49.8
		S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	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
		DT	23	21	17	12	23	21	18	12	23	21	18	12	23	21	18	12	23	21	17	12	22	20	16	11
		KW	3.48	3.56	3.67	3.80	3.76	3.84	3.97	4.10	4.00	4.09	4.23	4.37	4.21	4.31	4.45	4.61	4.40	4.50	4.65	4.81	4.55	4.66	4.82	4.98
		AMPS	12.8	13.1	13.5	14.0	13.8	14.2	14.6	15.2	15.1	15.4	16.0	16.6	16.1	16.5	17.1	17.7	17.2	17.6	18.2	18.9	18.2	18.7	19.3	20.1
	1800	H PR	207	223	236	246	233	250	265	276	265	285	301	314	302	324	343	357	339	365	385	402	375	403	426	444
		LOPR	98	104	114	121	103	110	120	128	107	114	125	133	113	120	131	140	118	126	137	146	122	130	142	151
		MBh	55.1	56.8	61.5	66.0	53.9	55.5	60.0	64.4	52.6	54.1	58.6	62.9	51.3	52.8	57.2	61.4	48.7	50.2	54.3	58.3	45.1	46.5	50.3	54.0
		S/T	0.80	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	0.83	0.62	0.40
		DT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	20	16	11
2025	KW	3.57	3.65	3.77	3.89	3.85	3.94	4.07	4.21	4.10	4.20	4.34	4.48	4.32	4.42	4.57	4.73	4.51	4.62	4.77	4.94	4.67	4.78	4.94	5.12	
	AMPS	13.1	13.5	13.9	14.4	14.2	14.6	15.1	15.6	15.5	15.9	16.4	17.0	16.6	17.0	17.6	18.3	17.7	18.1	18.7	19.5	18.8	19.2	19.9	20.7	
	H PR	214	230	243	253	240	258	273	284	273	294	310	323	311	335	353	368	350	376	397	414	386	416	439	458	
	LOPR	101	107	117	125	107	113	124	132	111	118	129	137	116	124	135	144	122	130	142	151	126	134	146	156	
	MBh	56.8	58.5	63.3	67.9	55.5	57.1	61.8	66.4	54.2	55.8	60.4	64.8	52.8	54.4	58.9	63.2	50.2	51.7	55.9	60.0	46.5	47.9	51.8	55.6	

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

# COOLING PERFORMANCE DATA

# \*SZC160601A\*-HIGH STAGE

## EXPANDED PERFORMANCE DATA

## COOLING OPERATION

MODEL: \*SZC160601A\* / CA\*F4961\*6\*\* + TXV / MBVC2000\*-1\*\*

IDB*	Airflow	Outdoor Ambient Temperature																													
		65					75					85					95					105					115				
		59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75					
80	1575	MEh	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	0.85	0.80	0.65	0.48	0.88	0.83	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.91	0.74	0.56					
		DT	26	25	21	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	22	17	24	23	20	16					
		KW	3.51	3.59	3.71	3.83	3.79	3.87	4.00	4.14	4.03	4.13	4.26	4.41	4.25	4.35	4.49	4.65	4.43	4.54	4.69	4.85	4.59	4.70	4.86	5.03					
		AMPS	12.9	13.2	13.6	14.2	14.0	14.3	14.8	15.3	15.2	15.6	16.1	16.7	16.3	16.7	17.2	17.9	17.3	17.8	18.4	19.1	18.4	18.9	19.5	20.3					
		H PR	210	225	238	248	235	253	267	279	267	288	304	317	305	328	346	361	343	369	389	406	379	407	430	449					
		LOPR	99	105	115	122	104	111	121	129	109	115	126	134	114	121	132	141	119	127	139	148	124	131	144	153					
		MEh	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	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58					
		DT	25	24	21	17	26	25	21	17	26	25	21	17	26	25	21	17	25	24	21	17	23	23	20	16					
KW	3.60	3.68	3.80	3.93	3.89	3.97	4.10	4.24	4.14	4.23	4.37	4.52	4.36	4.46	4.61	4.77	4.55	4.66	4.81	4.98	4.71	4.82	4.99	5.16							
AMPS	13.3	13.6	14.0	14.6	14.4	14.7	15.2	15.8	15.6	16.0	16.6	17.2	16.7	17.2	17.7	18.4	17.8	18.3	18.9	19.7	18.9	19.4	20.1	20.9							
H PR	216	232	245	256	242	261	275	287	276	297	313	327	314	338	357	373	353	380	401	419	390	420	444	463							
LOPR	102	108	118	126	108	115	125	133	112	119	130	138	118	125	137	145	123	131	143	152	127	136	148	158							
MEh	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	0.92	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.81	0.61							
DT	24	23	20	16	25	24	20	16	25	24	20	16	24	24	21	16	23	24	21	16	21	22	19	15							
KW	3.63	3.71	3.83	3.96	3.92	4.01	4.14	4.28	4.17	4.27	4.41	4.56	4.40	4.50	4.65	4.81	4.59	4.70	4.86	5.02	4.76	4.86	5.03	5.21							
AMPS	13.4	13.7	14.2	14.7	14.5	14.8	15.4	15.9	15.8	16.2	16.7	17.4	16.9	17.3	17.9	18.6	18.0	18.5	19.1	19.8	19.1	19.6	20.3	21.1							
H PR	218	235	248	259	245	263	278	290	278	300	316	330	317	341	360	376	357	384	405	423	394	424	448	467							
LOPR	103	109	120	127	109	116	126	134	113	120	131	140	119	126	138	147	124	132	144	154	129	137	149	159							
85	1575	MEh	52.7	53.7	56.3	60.0	51.5	52.5	55.0	58.6	50.3	51.2	53.7	57.2	49.0	50.0	52.3	55.8	46.6	47.5	49.7	53.1	43.1	44.0	46.1	49.1					
		S/T	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	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.99	0.89	0.72					
		DT	27	27	25	22	28	27	26	22	28	27	26	22	28	28	26	22	27	27	26	22	25	25	24	21					
		KW	3.54	3.62	3.74	3.86	3.82	3.91	4.03	4.17	4.07	4.16	4.30	4.44	4.29	4.38	4.53	4.69	4.47	4.57	4.73	4.89	4.63	4.74	4.90	5.07					
		AMPS	13.0	13.3	13.8	14.3	14.1	14.4	14.9	15.5	15.3	15.7	16.3	16.9	16.4	16.8	17.4	18.1	17.5	17.9	18.6	19.3	18.6	19.0	19.7	20.5					
		H PR	212	228	240	251	237	256	270	281	270	291	307	320	308	331	350	365	346	372	393	410	382	411	434	453					
		LOPR	100	106	116	123	105	112	122	130	110	117	127	136	115	122	134	142	121	128	140	149	125	133	145	154					
		MEh	57.1	58.2	61.0	65.0	55.8	56.9	59.6	63.5	54.5	55.5	58.1	62.0	53.1	54.2	56.7	60.5	50.5	51.4	53.9	57.5	46.7	47.7	49.9	53.2					
		S/T	0.92	0.89	0.80	0.65	0.96	0.92	0.83	0.68	0.98	0.95	0.86	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.92	0.75					
		DT	27	27	25	22	27	27	25	22	27	27	25	22	27	27	26	22	26	26	25	22	24	24	24	20					
KW	3.63	3.71	3.83	3.96	3.92	4.01	4.14	4.28	4.17	4.27	4.41	4.56	4.40	4.50	4.65	4.81	4.59	4.70	4.86	5.02	4.76	4.86	5.03	5.21							
AMPS	13.4	13.7	14.2	14.7	14.5	14.8	15.4	15.9	15.8	16.2	16.7	17.4	16.9	17.3	17.9	18.6	18.0	18.5	19.1	19.8	19.1	19.6	20.3	21.1							
H PR	218	235	248	259	245	263	278	290	278	300	316	330	317	341	360	376	357	384	405	423	394	424	448	467							
LOPR	103	109	120	127	109	116	126	134	113	120	131	140	119	126	138	147	124	132	144	154	129	137	149	159							
MEh	58.8	60.0	62.8	67.0	57.5	58.6	61.3	65.4	56.1	57.2	59.9	63.9	54.7	55.8	58.4	62.3	52.0	53.0	55.5	59.2	48.2	49.1	51.4	54.8							
S/T	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79							
DT	26	25	24	21	26	26	24	21	25	25	24	21	25	25	25	21	24	24	24	21	22	22	23	20							
KW	3.66	3.74	3.86	3.99	3.95	4.04	4.17	4.31	4.21	4.30	4.45	4.60	4.44	4.54	4.69	4.85	4.63	4.74	4.90	5.07	4.80	4.91	5.07	5.25							
AMPS	13.5	13.8	14.3	14.8	14.6	15.0	15.5	16.1	15.9	16.3	16.9	17.5	17.1	17.5	18.1	18.8	18.2	18.6	19.3	20.0	19.3	19.8	20.5	21.3							
H PR	220	237	250	261	247	266	281	293	281	303	320	333	320	345	364	380	360	388	409	427	398	428	462	472							
LOPR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161							

Shaded area is AHR1 Rating Conditions IDB: Entering Indoor Dry Bulb Temperature KW=Total system power

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

AMPS=Outdoor unit amps (comp.+fan)





# COOLING PERFORMANCE DATA

# \*SZC160601B\*-HIGH STAGE

## EXPANDED PERFORMANCE DATA

MODEL: \*SZC160601B\* CAPF4961D6 MBVC2000A - HIGH STAGE

COOLING OPERATION

IDB*	Airflow	Outdoor Ambient Temperature																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	1600	MBh	55.3	56.5	60.4	64.5	54.0	55.2	59.0	63.0	52.7	53.9	57.5	61.5	51.4	52.6	56.1	60.0	48.9	49.9	53.3	57.0	45.3	46.2	49.4	52.8
		S/T	0.85	0.80	0.65	0.48	0.88	0.83	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.74	0.56
		Delta T	27	26	23	18	27	26	23	18	27	26	23	18	28	26	23	18	27	26	23	18	25	24	21	17
		KW	3.53	3.60	3.72	3.83	3.80	3.88	4.00	4.13	4.03	4.12	4.25	4.39	4.24	4.33	4.47	4.62	4.41	4.51	4.66	4.81	4.57	4.67	4.82	4.98
		AMPS	13.8	14.1	14.6	15.1	14.9	15.3	15.8	16.4	16.2	16.6	17.1	17.8	17.3	17.7	18.3	19.0	18.4	18.9	19.5	20.2	19.5	20.0	20.6	21.4
	1750	HIPR	2.16	2.33	2.46	2.56	2.43	2.61	2.76	2.88	2.76	2.97	3.14	3.27	3.15	3.38	3.57	3.73	3.54	3.81	4.02	4.19	3.91	4.21	4.44	4.63
		LO PR	1.03	1.10	1.20	1.28	1.09	1.16	1.27	1.35	1.13	1.21	1.32	1.40	1.19	1.27	1.38	1.47	1.25	1.33	1.45	1.54	1.29	1.37	1.50	1.60
		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	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58
		Delta T	26	25	22	17	26	25	22	18	26	25	22	18	27	25	22	18	26	25	22	17	24	23	20	16
2000	KW	3.58	3.65	3.77	3.89	3.85	3.93	4.05	4.19	4.09	4.18	4.31	4.45	4.30	4.39	4.53	4.68	4.48	4.58	4.72	4.88	4.63	4.73	4.89	5.05	
	AMPS	14.0	14.4	14.8	15.4	15.1	15.5	16.0	16.6	16.4	16.8	17.4	18.1	17.6	18.0	18.6	19.3	18.7	19.2	19.8	20.5	19.8	20.3	21.0	21.8	
	HIPR	2.20	2.37	2.50	2.61	2.47	2.66	2.81	2.93	2.81	3.02	3.19	3.33	3.20	3.44	3.64	3.79	3.60	3.87	4.09	4.27	3.98	4.28	4.52	4.71	
	LO PR	1.05	1.12	1.22	1.30	1.11	1.18	1.29	1.37	1.15	1.23	1.34	1.43	1.21	1.29	1.41	1.50	1.27	1.35	1.48	1.57	1.31	1.40	1.53	1.63	
	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	
85	1600	S/T	0.92	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.81	0.61
		Delta T	25	24	20	16	25	24	21	17	25	24	21	17	25	24	21	17	23	24	21	16	22	22	19	15
		KW	3.61	3.68	3.80	3.92	3.88	3.96	4.09	4.22	4.12	4.21	4.34	4.49	4.33	4.43	4.57	4.72	4.51	4.61	4.76	4.92	4.67	4.77	4.93	5.10
		AMPS	14.1	14.5	15.0	15.5	15.3	15.6	16.2	16.8	16.6	17.0	17.6	18.2	17.7	18.2	18.8	19.5	18.9	19.3	20.0	20.7	20.0	20.5	21.2	22.0
		HIPR	2.22	2.39	2.53	2.64	2.49	2.68	2.84	2.96	2.84	3.05	3.22	3.36	3.23	3.48	3.67	3.83	3.64	3.91	4.13	4.31	4.02	4.32	4.56	4.76
	1750	LO PR	1.06	1.13	1.23	1.31	1.12	1.19	1.30	1.39	1.17	1.24	1.35	1.44	1.22	1.30	1.42	1.51	1.28	1.37	1.49	1.59	1.33	1.41	1.54	1.64
		MBh	57.1	58.2	61.0	65.0	55.8	56.9	59.6	63.5	54.5	55.5	58.1	62.0	53.1	54.2	56.7	60.5	50.5	51.4	53.9	57.5	46.7	47.7	49.9	53.2
		S/T	0.92	0.89	0.80	0.65	0.96	0.92	0.83	0.68	0.98	0.95	0.86	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.92	0.75
		Delta T	28	27	26	22	28	28	26	23	28	28	26	23	28	28	26	23	27	27	26	22	25	25	24	21
		KW	3.61	3.68	3.80	3.92	3.88	3.96	4.09	4.22	4.12	4.21	4.34	4.49	4.33	4.43	4.57	4.72	4.51	4.61	4.76	4.92	4.67	4.77	4.93	5.10
2000	AMPS	14.1	14.5	15.0	15.5	15.3	15.6	16.2	16.8	16.6	17.0	17.6	18.2	17.7	18.2	18.8	19.5	18.9	19.3	20.0	20.7	20.0	20.5	21.2	22.0	
	HIPR	2.22	2.39	2.53	2.64	2.49	2.68	2.84	2.96	2.84	3.05	3.22	3.36	3.23	3.48	3.67	3.83	3.64	3.91	4.13	4.31	4.02	4.32	4.56	4.76	
	LO PR	1.06	1.13	1.23	1.31	1.12	1.19	1.30	1.39	1.17	1.24	1.35	1.44	1.22	1.30	1.42	1.51	1.28	1.37	1.49	1.59	1.33	1.41	1.54	1.64	
	MBh	58.8	60.0	62.8	67.0	57.5	58.6	61.3	65.4	56.1	57.2	59.9	63.9	54.7	55.8	58.4	62.3	52.0	53.0	55.5	59.2	48.2	49.1	51.4	54.8	
	S/T	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79	

AMPS=outdoor unitamps (comp.+fan)

KW= Total system power

IDB: Entering Indoor Dry Bulb Temperature

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

Shaded area is ACCA (TVA) condition

# PERFORMANCE DATA

# LOW STAGE

**\*SZC160241A\* / CA\*F3636\*6\*\*+TXV / MBVC1600\*\*-1\*\***  
**Conditions: 80° IDB, 67° IWB @ 600 CFM, LOW STAGE**

Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	18,965	14,056	4,908	1,223
80°	18,739	14,065	4,673	1,263
85°	18,513	14,070	4,443	1,303
90°	18,287	14,123	4,165	1,338
<b>95°</b>	<b>18,062</b>	<b>14,170</b>	<b>3,892</b>	<b>1,373</b>
100°	17,610	14,077	3,533	1,403
105°	17,158	13,971	3,187	1,433
110°	16,526	13,513	3,013	1,459
115°	15,894	13,050	2,844	1,485
<b>TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB</b>				
<b>95°</b>	<b>16737</b>	<b>14028</b>	<b>2709</b>	<b>1317</b>

**\*SZC160361A\* / CA\*F3743\*6\*\*+TXV / MBVC1600\*\*-1\*\***  
**Conditions: 80° IDB, 67° IWB @ 800 CFM, LOW STAGE**

Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	26,493	18,600	7,892	1,656
80°	26,177	18,612	7,565	1,710
85°	25,862	18,619	7,243	1,764
90°	25,546	18,688	6,858	1,811
<b>95°</b>	<b>25,231</b>	<b>18,750</b>	<b>6,481</b>	<b>1,858</b>
100°	24,600	18,628	5,972	1,898
105°	23,969	18,488	5,482	1,938
110°	23,086	17,881	5,205	1,973
115°	22,203	17,269	4,934	2,008
<b>TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB</b>				
<b>95°</b>	<b>23,380</b>	<b>18,563</b>	<b>4,817</b>	<b>1,783</b>

**\*SZC160481A\* / CA\*F4961\*6\*\*+TXV / MBVC2000\*\*-1\*\***  
**Conditions: 80° IDB, 67° IWB @ 1100 CFM, LOW STAGE**

Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	36,151	25,245	10,906	2,254
80°	35,721	25,261	10,459	2,328
85°	35,290	25,270	10,020	2,402
90°	34,860	25,364	9,496	2,467
<b>95°</b>	<b>34,430</b>	<b>25,448</b>	<b>8,981</b>	<b>2,532</b>
100°	33,569	25,282	8,286	2,587
105°	32,708	25,092	7,616	2,643
110°	31,503	24,269	7,234	2,691
115°	30,298	23,438	6,860	2,739
<b>TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB</b>				
<b>95°</b>	<b>31,904</b>	<b>25,194</b>	<b>6,710</b>	<b>2,428</b>

**\*SZC160601A\* / CA\*F4961\*6\*\*+TXV / MBVC2000\*\*-1\*\***  
**Conditions: 80° IDB, 67° IWB @ 1200 CFM, LOW STAGE**

Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	42,671	29,080	13,591	2,828
80°	42,163	29,099	13,064	2,924
85°	41,655	29,109	12,546	3,019
90°	41,147	29,218	11,929	3,103
<b>95°</b>	<b>40,639</b>	<b>29,315</b>	<b>11,324</b>	<b>3,187</b>
100°	39,623	29,123	10,500	3,258
105°	38,607	28,904	9,703	3,330
110°	37,185	27,956	9,229	3,392
115°	35,762	26,999	8,764	3,453
<b>TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB</b>				
<b>95°</b>	<b>37,658</b>	<b>29,021</b>	<b>8,636</b>	<b>3,054</b>

**\*SZC160601B\* / CA\*F4860\*6A\*\*+TXV / MBVC2000\*\*-1**  
**Conditions: 80°F IDB, 67°F IWB @ 1200 CFM LOW STAGE**

Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	42,221	28,720	13,501	2,729
80°	41,718	28,734	12,984	2,817
85°	41,215	28,749	12,467	2,906
90°	40,713	28,850	11,863	2,983
<b>95°</b>	<b>40,210</b>	<b>28,951</b>	<b>11,259</b>	<b>3,061</b>
100°	39,205	28,749	10,456	3,127
105°	38,200	28,546	9,654	3,193
110°	36,792	27,605	9,187	3,250
115°	35,385	26,664	8,721	3,307
<b>TVA Conditions @ 95° OD DB, 75° OD DB, 63° OD WB</b>				
<b>95°</b>	<b>37,260</b>	<b>28,662</b>	<b>8,599</b>	<b>2,938</b>

# PERFORMANCE DATA

# HIGH STAGE

**\*SZC160241A\* / CA\*F3636\*6\*\*+TXV/ MBVC1600\*\*-1\*\***  
**Conditions: 80° IDB, 67° IWB @ 875 CFM, HIGH STAGE**

Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	25,200	18,867	6,333	1,794
80°	24,900	18,880	6,020	1,853
85°	24,600	18,886	5,714	1,912
90°	24,300	18,957	5,343	1,964
<b>95°</b>	<b>24,000</b>	<b>19,019</b>	<b>4,981</b>	<b>2,016</b>
100°	23,400	18,895	4,505	2,060
105°	22,800	18,753	4,047	2,104
110°	21,960	18,138	3,822	2,142
115°	21,120	17,517	3,603	2,180
<b>TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB</b>				
<b>95°</b>	<b>22,239</b>	<b>18,829</b>	<b>3,410</b>	<b>1,933</b>

**\*SZC160361A\* / CA\*F3743\*6\*\*+TXV/ MBVC1600\*\*-1\*\***  
**Conditions: 80° IDB, 67° IWB @ 1200 CFM, HIGH STAGE**

Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	36,330	25,172	11,158	2,477
80°	35,898	25,189	10,709	2,558
85°	35,465	25,198	10,267	2,638
90°	35,033	25,291	9,741	2,710
<b>95°</b>	<b>34,600</b>	<b>25,375</b>	<b>9,225</b>	<b>2,781</b>
100°	33,735	25,210	8,525	2,842
105°	32,870	25,020	7,850	2,902
110°	31,659	24,199	7,460	2,954
115°	30,448	23,371	7,077	3,007
<b>TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB</b>				
<b>95°</b>	<b>32,062</b>	<b>25,121</b>	<b>6,940</b>	<b>2,668</b>

**\*SZC160481A\* / CA\*F4961\*6\*\*+TXV/ MBVC2000\*\*-1\*\***  
**Conditions: 80° IDB, 67° IWB @ 1550 CFM, HIGH STAGE**

Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	49,875	35,597	14,278	3,237
80°	49,281	35,620	13,661	3,342
85°	48,688	35,633	13,055	3,446
90°	48,094	35,766	12,328	3,538
<b>95°</b>	<b>47,500</b>	<b>35,884</b>	<b>11,616</b>	<b>3,631</b>
100°	46,313	35,650	10,663	3,709
105°	45,125	35,382	9,743	3,787
110°	43,463	34,221	9,242	3,855
115°	41,800	33,049	8,751	3,922
<b>TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB</b>				
<b>95°</b>	<b>44,015</b>	<b>35,525</b>	<b>8,490</b>	<b>3,484</b>

**\*SZC160601A\* / CA\*F4961\*6\*\*+TXV/ MBVC2000\*\*-1\*\***  
**Conditions: 80° IDB, 67° IWB @ 1800 CFM, HIGH STAGE**

Outdoor Temp. ° F.	Total Btuh	Sensible Btuh	Latent Btuh	Total Watts
75°	59,850	41,727	18,123	4,105
80°	59,138	41,754	17,383	4,239
85°	58,425	41,769	16,656	4,374
90°	57,713	41,925	15,788	4,493
<b>95°</b>	<b>57,000</b>	<b>42,064</b>	<b>14,936</b>	<b>4,612</b>
100°	55,575	41,789	13,786	4,712
105°	54,150	41,475	12,675	4,813
110°	52,155	40,114	12,041	4,901
115°	50,160	38,741	11,419	4,988
<b>TVA Conditions @ 95° OD DB, 75° ID DB, 63° ID WB</b>				
<b>95°</b>	<b>52,818</b>	<b>41,643</b>	<b>11,176</b>	<b>4,423</b>

**\*SZC160601B\* / CA\*F4860\*6A\*\*+TXV/ MBVC2000\*\*-1**  
**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	41,729	18,121	4,055
80°	59,138	41,751	17,387	4,182
85°	58,425	41,772	16,653	4,309
90°	57,713	41,919	15,794	4,422
<b>95°</b>	<b>57,000</b>	<b>42,066</b>	<b>14,934</b>	<b>4,534</b>
100°	55,575	41,772	13,803	4,629
105°	54,150	41,477	12,673	4,725
110°	52,155	40,110	12,045	4,807
115°	50,160	38,743	11,417	4,890
<b>TVA Conditions @ 95° OD DB, 75° OD DB, 63° OD WB</b>				
<b>95°</b>	<b>52,800</b>	<b>41,712</b>	<b>11,088</b>	<b>4,356</b>



# SPLIT SYSTEM HEATING PERFORMANCE

**\*SZC160241A\***

## EXPANDED PERFORMANCE DATA

**LOW STAGE**

MODEL: \*SZC160241A\* / CA\*F3636\*6\*\* + TXV / MBVC1600\*\*-1\*\*

**HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	20.8	19.7	18.5	17.3	16.6	16.0	14.9	13.7	13.1	12.1	11.1	10.5	10.1	9.1	8.1	7.0	6.0	4.9
Delta T	30.2	28.6	26.9	25.2	24.1	23.3	21.7	20.0	19.0	17.6	16.2	15.3	14.7	13.2	11.7	10.2	8.7	7.1
KW	1.42	1.40	1.37	1.34	1.32	1.31	1.28	1.25	1.37	1.33	1.30	1.28	1.27	1.23	1.20	1.17	1.14	1.10
AMPS	6.8	6.3	5.9	5.6	5.4	5.3	5.0	4.7	4.5	4.3	4.1	4.0	4.0	3.8	3.5	3.3	3.1	2.8
COP	4.27	4.13	3.97	3.79	3.67	3.59	3.41	3.21	2.81	2.66	2.51	2.40	2.34	2.15	1.96	1.76	1.54	1.30
EER	14.6	14.1	13.6	13.0	12.5	12.3	11.6	11.0	9.6	9.1	8.6	8.2	8.0	7.4	6.7	6.0	5.3	4.5

## EXPANDED PERFORMANCE DATA

**HIGH STAGE**

MODEL: \*SZC160241A\* / CA\*F3636\*6\*\* + TXV / MBVC1600\*\*-1\*\*

**HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	30.2	28.6	26.9	25.1	24.0	23.3	21.6	19.9	18.7	17.3	15.9	15.0	14.4	13.0	11.5	10.0	8.6	7.0
Delta T	31.9	30.2	28.4	26.6	25.4	24.6	22.9	21.1	19.8	18.3	16.8	15.9	15.3	13.7	12.2	10.6	9.0	7.4
KW	1.86	1.83	1.79	1.75	1.73	1.71	1.68	1.64	1.72	1.68	1.64	1.61	1.60	1.56	1.52	1.48	1.44	1.40
AMPS	8.7	8.0	7.5	7.1	6.8	6.7	6.3	6.0	5.7	5.5	5.2	5.1	5.0	4.8	4.5	4.2	3.9	3.5
COP	4.74	4.58	4.40	4.20	4.06	3.97	3.77	3.55	3.18	3.01	2.84	2.72	2.65	2.44	2.22	1.99	1.74	1.47
EER	16.2	15.6	15.0	14.3	13.9	13.6	12.9	12.1	10.9	10.3	9.7	9.3	9.0	8.3	7.6	6.8	6.0	5.0

Calculations are based on nominal CFM and 70° F indoor dry bulb.  
 \*Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temperature.

AMPS = Outdoor unit amps (comp. + fan)  
 KW = Total system power

## HEATING MODE PRESSURE CHART

Pressures shown are for most popular match indoor unit WITH NO FROST ON OUTDOOR COIL. Due to factors like airflow, charge, indoor coil & frost, pressures will vary significantly. Liquid (small) service valve pressures should be ± 20 psig & suction (access port) pressures should be ± 5 psig of the values listed in this chart.

	Indoor Air Flow Rate	Indoor Return Air Dry Bulb Temperature (°F)	Outdoor Air Dry Bulb Temperature (°F)																					
			17		22		27		32		37		42		47		52		57		62		67	
			Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct
Low Stage	540	65	276	48	283	59	290	70	297	81	304	91	311	102	318	113	325	124	332	135	339	145	346	156
		70	296	48	303	59	310	70	317	80	324	91	331	102	337	113	344	123	351	134	358	145	365	156
		75	318	48	325	59	331	69	338	80	345	91	352	102	358	112	365	123	372	134	378	145	385	155
	620	65	267	48	273	58	280	69	287	80	293	91	300	101	307	112	314	123	320	133	327	144	334	155
		70	286	48	293	59	300	69	306	80	313	91	319	102	326	112	333	123	339	134	346	145	352	155
		75	307	48	314	59	320	70	327	81	333	91	340	102	346	113	353	124	359	134	366	145	372	156
	700	65	260	48	266	58	273	69	279	80	286	90	293	101	299	112	306	123	312	133	319	144	326	155
		70	279	48	286	59	292	69	299	80	305	91	311	102	318	112	324	123	331	134	337	144	344	155
		75	299	48	306	59	312	70	319	81	325	91	331	102	338	113	344	124	350	134	356	145	363	156
High Stage	740	65	283	60	291	68	299	76	307	84	314	92	322	100	330	109	338	117	346	125	354	133	361	141
		70	304	60	312	68	320	76	328	84	335	92	343	100	351	108	358	116	366	124	374	132	381	141
		75	326	60	334	68	342	76	350	84	357	92	365	100	372	108	380	116	388	124	395	132	403	140
	850	65	274	59	281	67	289	75	296	83	304	92	311	100	319	108	326	116	334	124	342	132	349	140
		70	294	60	302	68	309	76	317	84	324	92	331	100	339	108	346	116	354	124	361	132	369	140
		75	315	60	323	68	330	76	338	84	345	92	352	100	360	109	367	117	374	125	382	133	389	141
	960	65	267	59	274	67	282	75	289	83	296	91	303	99	311	107	318	115	326	124	333	132	341	140
		70	287	60	294	68	301	76	309	84	316	92	323	100	330	108	338	116	345	124	352	132	359	140
		75	307	60	315	68	322	76	329	84	336	92	344	100	351	108	358	116	365	124	372	132	379	141

Label ph: 0140R00183-A

# SPLIT SYSTEM HEATING PERFORMANCE

**\*SZC160361A\***

## EXPANDED PERFORMANCE DATA

**LOW STAGE**

MODEL: **\*SZC160361A\* / CA\*F3743\*6\*\* + TXV / MBVC1600\*\*-1\*\***

**HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
	MBh	30.3	28.7	27.0	25.3	24.1	23.4	21.7	20.0	18.1	16.7	15.4	14.5	14.0	12.6	11.1	9.7	8.3
Delta T	35.1	33.2	31.3	29.2	27.9	27.1	25.1	23.2	21.0	19.4	17.8	16.8	16.2	14.5	12.9	11.2	9.6	7.9
KW	2.03	1.98	1.94	1.90	1.88	1.86	1.82	1.78	1.93	1.89	1.84	1.81	1.79	1.75	1.70	1.65	1.61	1.56
AMPS	9.8	9.1	8.5	8.0	7.8	7.6	7.2	6.8	6.6	6.3	6.0	5.8	5.8	5.5	5.1	4.8	4.5	4.1
COP	4.38	4.23	4.07	3.89	3.76	3.68	3.49	3.29	2.74	2.60	2.45	2.35	2.29	2.11	1.92	1.72	1.51	1.27
EER	15.0	14.5	13.9	13.3	12.8	12.6	11.9	11.3	9.4	8.9	8.4	8.0	7.8	7.2	6.6	5.9	5.2	4.4

## EXPANDED PERFORMANCE DATA

**HIGH STAGE**

MODEL: **\*SZC160361A\* / CA\*F3743\*6\*\* + TXV / MBVC1600\*\*-1\*\***

**HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
	MBh	43.2	40.9	38.5	36.0	34.4	33.3	31.0	28.6	26.2	24.2	22.2	21.0	20.2	18.1	16.1	14.0	12.0
Delta T	34.8	33.0	31.0	29.0	27.7	26.8	24.9	23.0	21.1	19.4	17.9	16.9	16.3	14.6	13.0	11.3	9.6	7.9
KW	2.80	2.74	2.69	2.63	2.60	2.57	2.52	2.46	2.39	2.33	2.28	2.24	2.22	2.16	2.11	2.05	2.00	1.94
AMPS	13.1	12.1	11.4	10.7	10.3	10.1	9.5	9.1	8.7	8.3	7.9	7.7	7.6	7.2	6.7	6.4	5.9	5.3
COP	4.52	4.37	4.20	4.01	3.88	3.79	3.60	3.40	3.21	3.03	2.86	2.74	2.66	2.45	2.23	2.00	1.75	1.48
EER	15.4	14.9	14.3	13.7	13.2	13.0	12.3	11.6	11.0	10.4	9.8	9.4	9.1	8.4	7.6	6.8	6.0	5.0

Calculations are based on nominal CFM and 70° F indoor dry bulb.

\*Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temperature.

AMPS = Outdoor unit amps (comp. + fan)

KW = Total system power

### HEATING MODE PRESSURE CHART

Pressures shown are for most popular match indoor unit WITH NO FROST ON OUTDOOR COIL. Due to factors like airflow, charge, indoor coil & frost, pressures will vary significantly. Liquid (small) service valve pressures should be ± 20 psig & suction (access port) pressures should be ±5 psig of the values listed in this chart.

	Indoor Air Flow Rate	Indoor Return Air Dry Bulb Temperature (°F)	Outdoor Air Dry Bulb Temperature (°F)																					
			17		22		27		32		37		42		47		52		57		62		67	
			Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct
Low Stage	760	65	261	50	270	61	279	72	288	83	297	94	306	105	314	116	323	128	332	139	341	150	350	161
		70	281	50	290	61	299	72	307	83	316	94	325	105	334	116	343	127	352	138	361	149	370	160
		75	301	50	310	61	319	72	328	83	337	94	346	105	355	116	364	127	373	138	381	149	390	160
	870	65	253	50	261	61	270	72	278	83	287	94	295	104	304	115	312	126	321	137	330	148	339	159
		70	271	50	280	61	289	72	297	83	306	94	314	105	323	116	332	127	340	138	349	149	357	160
		75	291	50	300	61	308	72	317	83	326	94	334	105	343	116	352	127	360	138	369	149	377	160
	980	65	246	50	255	61	263	72	271	83	279	93	288	104	296	115	305	126	313	137	322	148	330	159
		70	265	50	273	61	281	72	290	83	298	94	306	105	315	116	323	127	332	138	340	149	348	160
		75	284	50	292	61	301	72	309	83	318	94	326	105	334	116	343	127	351	138	359	149	368	160
High Stage	1090	65	285	61	293	69	301	78	309	86	317	95	325	103	333	112	341	120	350	129	358	137	366	146
		70	307	61	315	69	322	78	330	86	338	94	346	103	354	111	362	120	370	128	378	137	386	145
		75	329	61	337	69	345	77	353	86	360	94	368	103	376	111	384	119	392	128	400	136	407	145
	1250	65	276	60	283	69	291	77	299	86	307	94	314	102	322	111	330	119	338	127	346	136	354	144
		70	296	61	304	69	312	78	319	86	327	94	335	103	342	111	350	119	358	128	365	136	373	145
		75	318	61	325	70	333	78	341	86	348	95	356	103	364	112	371	120	379	128	386	137	394	145
	1410	65	269	60	276	69	284	77	291	85	299	94	306	102	314	111	322	119	329	127	337	136	345	144
		70	289	61	296	69	304	77	311	86	319	94	326	103	334	111	341	119	349	128	356	136	364	144
		75	310	61	317	70	325	78	332	86	340	95	347	103	354	112	362	120	369	128	377	137	384	145

Label p/n: 0140R00184-A

# SPLIT SYSTEM HEATING PERFORMANCE

**\*SZC160481A\***

## EXPANDED PERFORMANCE DATA

**LOW STAGE**

MODEL: ASZC160481A\* / CA\*F4961\*6\*\* + TXV / MBE2000\*\*-1\*\*

**HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
	MBh	43.2	40.9	38.5	36.0	34.4	33.3	30.9	28.5	25.7	23.7	21.8	20.6	19.9	17.8	15.8	13.8	11.8
Delta T	37.2	35.2	33.1	31.0	29.6	28.7	26.6	24.6	22.1	20.4	18.8	17.8	17.1	15.4	13.6	11.9	10.1	8.3
KW	2.97	2.91	2.85	2.79	2.75	2.72	2.66	2.60	2.71	2.65	2.58	2.54	2.52	2.45	2.38	2.32	2.25	2.18
AMPS	14.1	13.1	12.2	11.5	11.1	10.9	10.3	9.7	9.3	8.9	8.5	8.3	8.1	7.7	7.2	6.8	6.3	5.6
COP	4.25	4.11	3.95	3.78	3.66	3.58	3.40	3.21	2.77	2.62	2.48	2.38	2.31	2.13	1.94	1.74	1.53	1.29
EER	14.5	14.0	13.5	12.9	12.5	12.2	11.6	11.0	9.5	9.0	8.5	8.1	7.9	7.3	6.6	5.9	5.2	4.4

## EXPANDED PERFORMANCE DATA

**HIGH STAGE**

MODEL: \*SZC160481A\* / CA\*F4961\*6\*\* + TXV / MBE2000\*\*-1\*\*

**HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
	MBh	59.1	55.9	52.6	49.2	47.0	45.5	42.3	39.0	41.1	38.0	34.9	33.0	31.8	28.5	25.3	22.0	18.8
Delta T	35.3	33.4	31.4	29.4	28.1	27.2	25.3	23.3	24.6	22.7	20.9	19.7	19.0	17.0	15.1	13.2	11.2	9.2
KW	3.81	3.73	3.65	3.58	3.53	3.50	3.42	3.35	3.33	3.25	3.17	3.13	3.10	3.02	2.94	2.86	2.78	2.71
AMPS	18.8	17.1	15.6	14.4	13.7	13.3	12.2	11.3	10.6	9.9	9.2	8.8	8.6	7.9	7.0	6.3	5.4	4.3
COP	4.54	4.39	4.22	4.03	3.89	3.81	3.61	3.41	3.61	3.42	3.22	3.09	3.00	2.77	2.52	2.25	1.98	1.67
EER	15.5	15.0	14.4	13.8	13.3	13.0	12.4	11.7	12.3	11.7	11.0	10.6	10.3	9.5	8.6	7.7	6.8	5.7

Calculations are based on nominal CFM and 70° F indoor dry bulb.

AMPS = Outdoor unit amps (comp. + fan)

\*Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temperature.

KW = Total system power

## HEATING MODE PRESSURE CHART

Pressures shown are for most popular match indoor unit WITH NO FROST ON OUTDOOR COIL. Due to factors like airflow, charge, indoor coil & frost, pressures will vary significantly. Liquid (small) service valve pressures should be ± 20 psig & suction (access port) pressures should be ± 5 psig of the values listed in this chart.

	Indoor Air Flow Rate	Indoor Return Air Dry Bulb Temperature (°F)	Outdoor Air Dry Bulb Temperature (°F)																					
			17		22		27		32		37		42		47		52		57		62		67	
			Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct
Low Stage	1050	65	248	58	256	67	265	76	273	84	282	93	290	102	299	110	307	119	316	128	324	136	333	145
		70	266	58	275	67	283	75	292	84	300	93	309	101	317	110	326	119	334	127	343	136	351	145
		75	285	58	294	67	303	75	311	84	320	92	328	101	337	110	346	118	354	127	362	135	371	144
	1200	65	239	58	248	66	256	75	264	83	272	92	280	101	289	109	297	118	305	126	313	135	322	144
		70	257	58	265	67	274	75	282	84	290	93	298	101	307	110	315	118	323	127	331	136	340	144
		75	276	59	284	67	292	76	301	84	309	93	317	102	326	110	334	119	342	127	350	136	358	145
	1350	65	233	58	241	66	249	75	257	83	265	92	273	101	281	109	289	118	297	126	306	135	314	144
		70	251	58	259	67	267	75	275	84	283	92	291	101	299	110	307	118	315	127	323	135	331	144
		75	269	58	277	67	285	76	293	84	301	93	309	102	317	110	325	119	333	127	341	136	349	144
High Stage	1580	65	263	56	270	64	276	72	282	80	288	87	295	95	301	103	307	111	314	119	320	127	327	135
		70	283	56	289	64	295	71	301	79	308	87	314	95	320	103	326	111	332	119	339	127	345	135
		75	303	56	309	63	316	71	322	79	328	87	334	95	340	103	346	111	352	118	358	126	364	134
	1800	65	255	55	261	63	267	71	273	79	279	87	285	95	291	102	297	110	303	118	309	126	316	134
		70	273	56	279	64	285	71	291	79	297	87	303	95	309	103	315	111	321	119	327	126	333	134
		75	293	56	299	64	305	72	311	80	317	88	323	95	328	103	334	111	340	119	346	127	351	135
	2030	65	248	55	254	63	260	71	266	79	272	87	278	94	284	102	290	110	296	118	302	126	308	134
		70	267	56	272	63	278	71	284	79	290	87	296	95	301	103	307	111	313	118	319	126	325	134
		75	286	56	292	64	297	72	303	80	309	88	314	95	320	103	326	111	331	119	337	127	343	135

Label prn: 0140R00182-A

# SPLIT SYSTEM HEATING PERFORMANCE

**\*SZC160601A\***

## EXPANDED PERFORMANCE DATA

**LOW STAGE**

MODEL: \*SZC160601A\* / CA\*F4961\*6\*\* + TXV / MBVC2000\*\*-1\*\*

**HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	52.2	49.5	46.5	43.5	41.6	40.3	37.4	34.5	33.0	30.4	28.0	26.5	25.5	22.9	20.3	17.7	15.1	12.4
Delta T	40.3	38.2	35.9	33.6	32.1	31.1	28.9	26.6	25.4	23.5	21.6	20.4	19.7	17.6	15.6	13.6	11.6	9.5
KW	3.67	3.59	3.51	3.44	3.39	3.36	3.28	3.21	3.42	3.34	3.25	3.20	3.17	3.08	3.00	2.91	2.82	2.74
AMPS	17.4	16.1	15.0	14.1	13.6	13.3	12.6	11.9	11.4	10.9	10.3	10.1	9.9	9.4	8.8	8.2	7.6	6.8
COP	4.16	4.03	3.88	3.71	3.59	3.51	3.33	3.15	2.82	2.67	2.52	2.42	2.35	2.17	1.98	1.78	1.56	1.32
EER	14.2	13.8	13.2	12.7	12.3	12.0	11.4	10.8	9.6	9.1	8.6	8.3	8.0	7.4	6.8	6.1	5.3	4.5

## EXPANDED PERFORMANCE DATA

**HIGH STAGE**

MODEL: \*SZC160601A\* / CA\*F4961\*6\*\* + TXV / MBE2000\*\*-1\*\*

**HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	71.6	67.8	63.8	59.7	57.0	55.2	51.3	47.3	44.9	41.4	38.1	36.0	34.7	31.1	27.6	24.0	20.5	16.8
Delta T	36.9	34.9	32.8	30.7	29.3	28.4	26.4	24.3	23.1	21.3	19.6	18.5	17.8	16.0	14.2	12.4	10.6	8.6
KW	4.73	4.63	4.53	4.44	4.38	4.34	4.25	4.15	4.27	4.16	4.06	4.00	3.96	3.86	3.76	3.66	3.55	3.45
AMPS	21.6	20.0	18.6	17.5	16.9	16.5	15.5	14.7	14.1	13.4	12.8	12.4	12.3	11.6	10.8	10.1	9.3	8.3
COP	4.44	4.29	4.12	3.94	3.81	3.73	3.54	3.34	3.08	2.91	2.75	2.63	2.56	2.36	2.15	1.92	1.69	1.42
EER	15.2	14.7	14.1	13.5	13.0	12.7	12.1	11.4	10.5	9.9	9.4	9.0	8.7	8.1	7.3	6.6	5.8	4.9

Calculations are based on nominal CFM and 70° F indoor dry bulb.

\*Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temperature.

AMPS = Outdoor unit amps (comp. + fan)

KW = Total system power

# SPLIT SYSTEM HEATING PERFORMANCE

**\*SZC160601B\***

## EXPANDED PERFORMANCE DATA

**LOW STAGE**

**MODEL: \*SZC160601B\* CAPF4961D6 MBVC2000A - LOW STAGE**

**HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	-5	-10	
MBh	49.9	47.3	44.5	41.6	39.7	38.5	35.8	33.0	30.8	28.4	26.2	24.7	23.8	21.3	18.9	16.5	14.1	11.5
T/R	40.2	38.1	35.8	33.5	32.0	31.0	28.8	26.5	24.8	22.9	21.1	19.9	19.2	17.2	15.2	13.3	11.3	9.3
KW	3.51	3.44	3.36	3.29	3.25	3.22	3.15	3.08	3.47	3.38	3.30	3.25	3.22	3.13	3.05	2.96	2.88	2.79
AMPS	18.3	16.9	15.9	14.9	14.4	14.1	13.3	12.7	12.1	11.6	11.1	10.8	10.7	10.1	9.5	8.9	8.3	7.5
COP	4.17	4.03	3.87	3.70	3.58	3.50	3.32	3.14	2.60	2.46	2.32	2.22	2.16	2.00	1.82	1.63	1.43	1.21
EER	14.2	13.8	13.2	12.6	12.2	12.0	11.4	10.7	8.9	8.4	7.9	7.6	7.4	6.8	6.2	5.6	4.9	4.1

## EXPANDED PERFORMANCE DATA

**HIGH STAGE**

**MODEL: \*SZC160601B\* CAPF4961D6 MBVC2000A - HIGH STAGE**

**HEATING OPERATION**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	-5	-10	
MBh	71.0	67.2	63.3	59.2	56.5	54.7	50.9	46.9	44.6	41.2	37.9	35.8	34.5	30.9	27.4	23.9	20.4	16.7
T/R	37.6	35.6	33.5	31.3	29.9	29.0	26.9	24.8	23.6	21.8	20.1	18.9	18.2	16.4	14.5	12.7	10.8	8.8
KW	4.67	4.58	4.49	4.40	4.34	4.30	4.22	4.12	4.62	4.51	4.41	4.34	4.30	4.19	4.08	3.98	3.87	3.76
AMPS	22.9	21.2	19.9	18.7	18.0	17.7	16.6	15.8	15.1	14.4	13.7	13.4	13.2	12.6	11.7	11.0	10.2	9.2
COP	4.45	4.30	4.13	3.94	3.81	3.72	3.53	3.33	2.82	2.67	2.52	2.41	2.35	2.16	1.97	1.76	1.54	1.30
EER	15.2	14.7	14.1	13.5	13.0	12.7	12.1	11.4	9.6	9.1	8.6	8.2	8.0	7.4	6.7	6.0	5.3	4.4

Calculations are based on nominal CFM and 70° F indoor dry bulb.  
 \*Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temperature.

AMPS = Outdoor unit amps (comp. + fan)  
 KW = Total system power

### HEATING MODE PRESSURE CHART

Pressures shown are for most popular match indoor unit WITH NO FROST ON OUTDOOR COIL. Due to factors like airflow, charge, indoor coil & frost, pressures will vary significantly. Liquid (small) service valve pressures should be ± 20 psig & suction (access port) pressures should be ±5 psig of the values listed in this chart.

	Indoor Air Flow Rate	Indoor Return Air Dry Bulb Temperature (°F)	Outdoor Air Dry Bulb Temperature (°F)																							
			17		22		27		32		37		42		47		52		57		62		67			
			Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct		
Low Stage	1050	65	276	56	284	65	293	73	301	82	310	91	319	99	328	108	336	116	345	125	354	134	363	142		
		70	296	56	305	65	313	73	322	82	331	90	339	99	348	107	357	116	365	125	374	133	383	142		
		75	317	56	326	64	335	73	344	81	352	90	361	99	370	107	378	116	387	124	395	133	404	141		
	1200	65	266	56	275	64	283	73	291	81	300	90	308	98	316	107	325	115	333	124	342	132	350	141		
		70	286	56	294	65	303	73	311	82	320	90	328	99	336	107	345	116	353	124	361	133	370	141		
		75	307	56	315	65	324	74	332	82	340	91	349	99	357	108	365	116	374	125	382	133	390	142		
	1350	65	260	56	268	64	276	73	284	81	292	90	300	98	309	107	317	115	325	124	333	132	342	141		
		70	279	56	287	64	295	73	303	82	312	90	320	99	328	107	336	116	344	124	352	133	361	141		
		75	299	56	307	65	316	73	324	82	332	91	340	99	348	108	356	116	364	125	372	133	380	142		
High Stage	1580	65	283	56	290	63	296	70	302	78	308	85	314	92	321	100	327	107	333	114	340	122	346	129		
		70	304	55	310	63	317	70	323	77	329	85	335	92	341	99	347	107	353	114	359	121	365	129		
		75	326	55	332	63	338	70	344	77	350	84	356	92	362	99	368	106	374	114	380	121	385	128		
	1800	65	274	55	280	62	286	70	292	77	298	84	304	91	310	99	316	106	322	113	328	121	334	128		
		70	294	56	300	63	306	70	312	77	318	85	323	92	329	99	335	106	341	114	347	121	353	128		
		75	315	56	321	63	327	70	333	78	338	85	344	92	350	100	355	107	361	114	367	121	372	129		
	2030	65	267	55	273	62	279	70	284	77	290	84	296	91	302	99	308	106	314	113	320	120	326	128		
		70	287	55	292	63	298	70	304	77	310	84	315	92	321	99	327	106	333	114	338	121	344	128		
		75	307	56	313	63	319	70	324	78	330	85	335	92	341	99	347	107	352	114	358	121	363	129		

Label pn: 0140R00181-A

# HEATING SPECIFICATIONS

# LOW STAGE

**\*SZC160241A\*/CA\*F3636\*6\*\*+TXV/MBVC1600\*\*-1\*\***  
**Conditions: 600 CFM Indoor Air @ 70°F DB, LOW STAGE**

Outdoor Ambient °F.	Basic Unit without Auxiliary Heat		Capacity of Unit With KW of Auxiliary heat			
	capacity btuh	c.o.p.	4.8	9.6	14.4	19.2
65	20.81	4.27	37.19	53.57	69.95	86.34
60	19.70	4.13	36.08	52.46	68.85	85.23
55	18.54	3.97	34.92	51.30	67.69	84.07
50	17.33	3.79	33.71	50.10	66.48	82.86
45	16.04	3.59	32.42	48.80	65.19	81.57
40	14.90	3.41	31.28	47.66	64.04	80.43
35	13.74	3.21	30.12	46.50	62.89	79.27
30	13.10	2.81	29.48	45.87	62.25	78.63
25	12.09	2.66	28.48	44.86	61.24	77.62
20	11.14	2.51	27.52	43.90	60.28	76.67
15	10.13	2.34	26.51	42.89	59.27	75.66
10	9.09	2.15	25.47	41.85	58.23	74.61
5	8.05	1.96	24.44	40.82	57.20	73.58
0	7.02	1.76	23.41	39.79	56.17	72.55
-5	5.99	1.54	22.38	38.76	55.14	71.52
-10	4.91	1.30	21.29	37.68	54.06	70.44

**\*SZC160361A\*/CA\*F3743\*6\*\*+TXV/MBVC1600\*\*-1\*\***  
**Conditions: 800 CFM Indoor Air @ 70°F DB, LOW STAGE**

Outdoor Ambient °F.	Basic Unit without Auxiliary Heat		Capacity of Unit With KW of Auxiliary heat			
	capacity btuh	c.o.p.	4.8	9.6	14.4	19.2
65	30.32	4.38	46.70	63.08	79.47	95.85
60	28.70	4.23	45.09	61.47	77.85	94.23
55	27.02	4.07	43.40	59.78	76.16	92.55
50	25.25	3.89	41.64	58.02	74.40	90.78
45	23.37	3.68	39.76	56.14	72.52	88.90
40	21.71	3.49	38.09	54.47	70.86	87.24
35	20.02	3.29	36.40	52.79	69.17	85.55
30	18.12	2.74	34.50	50.89	67.27	83.65
25	16.72	2.60	33.11	49.49	65.87	82.25
20	15.40	2.45	31.78	48.17	64.55	80.93
15	14.00	2.29	30.39	46.77	63.15	79.53
10	12.57	2.11	28.95	45.33	61.71	78.09
5	11.14	1.92	27.52	43.90	60.29	76.67
0	9.71	1.72	26.10	42.48	58.86	75.24
-5	8.29	1.51	24.67	41.05	57.44	73.82
-10	6.79	1.27	23.17	39.56	55.94	72.32

**\*SZC160481A\*/CA\*F4961\*6\*\*+TXV/MBVC2000\*\*-1\*\***  
**Conditions: 1100 CFM Indoor Air @ 70°F DB, LOW STAGE**

Outdoor Ambient °F.	Basic Unit without Auxiliary Heat		Capacity of Unit With KW of Auxiliary heat			
	capacity btuh	c.o.p.	4.8	9.6	14.4	19.2
65	43.19	4.25	59.58	75.96	92.34	108.72
60	40.89	4.11	57.27	73.66	90.04	106.42
55	38.49	3.95	54.87	71.25	87.63	104.02
50	35.98	3.78	52.36	68.74	85.12	101.51
45	33.30	3.58	49.68	66.06	82.44	98.83
40	30.93	3.40	47.31	63.69	80.07	96.46
35	28.52	3.21	44.90	61.29	77.67	94.05
30	25.70	2.77	42.08	58.47	74.85	91.23
25	23.72	2.62	40.10	56.49	72.87	89.25
20	21.85	2.48	38.23	54.61	70.99	87.37
15	19.86	2.31	36.25	52.63	69.01	85.39
10	17.82	2.13	34.20	50.59	66.97	83.35
5	15.80	1.94	32.18	48.57	64.95	81.33
0	13.78	1.74	30.16	46.54	62.93	79.31
-5	11.76	1.53	28.14	44.52	60.91	77.29
-10	9.63	1.29	26.02	42.40	58.78	75.16

**\*SZC160601A\*/CA\*F4961\*6\*\*+TXV/MBVC2000\*\*-1\*\***  
**Conditions: 1200 CFM Indoor Air @ 70°F DB, LOW STAGE**

Outdoor Ambient °F.	Basic Unit without Auxiliary Heat		Capacity of Unit With KW of Auxiliary heat			
	capacity btuh	c.o.p.	4.8	9.6	14.4	19.2
65	52.24	4.16	68.62	85.00	101.38	117.77
60	49.45	4.03	65.84	82.22	98.60	114.98
55	46.54	3.88	62.93	79.31	95.69	112.07
50	43.51	3.71	59.89	76.28	92.66	109.04
45	40.27	3.51	56.65	73.03	89.42	105.80
40	37.40	3.33	53.78	70.17	86.55	102.93
35	34.49	3.15	50.88	67.26	83.64	100.02
30	32.98	2.82	49.37	65.75	82.13	98.51
25	30.44	2.67	46.82	63.21	79.59	95.97
20	28.03	2.52	44.42	60.80	77.18	93.56
15	25.49	2.35	41.87	58.26	74.64	91.02
10	22.87	2.17	39.25	55.64	72.02	88.40
5	20.28	1.98	36.66	53.04	69.42	85.81
0	17.68	1.78	34.07	50.45	66.83	83.21
-5	15.09	1.56	31.47	47.85	64.24	80.62
-10	12.36	1.32	28.74	45.13	61.51	77.89

\*To obtain BTU capacity of unit with KW of auxiliary heat, multiply by 1000 (Example: 39.01 x 1000 = 39,010 BTU)

# HEATING SPECIFICATIONS

# LOW STAGE

<b>*SZC160601B* / CA*F4860*6A*+TXV/ MBVC2000**-1</b>						
<b>Conditions:1200 CFM @ 70°F DB, LOW STAGE</b>						
<b>Outdoor Ambient °F.</b>	<b>Basic Unit without Auxiliary Heat</b>		<b>Capacity of Unit With KW of Auxiliary heat</b>			
	<b>capacity btuh</b>	<b>c.o.p.</b>	<b>4.8</b>	<b>9.6</b>	<b>14.4</b>	<b>19.2</b>
<b>65</b>	49.94	4.17	66.31	82.69	99.07	115.45
<b>60</b>	47.27	4.03	63.65	80.03	96.41	112.78
<b>55</b>	44.49	3.88	60.87	77.25	93.63	110.00
<b>50</b>	41.59	3.70	57.97	74.35	90.73	107.10
<b>45</b>	38.49	3.50	54.87	71.25	87.63	104.00
<b>40</b>	35.75	3.33	52.13	68.51	84.89	101.26
<b>35</b>	32.97	3.14	49.35	65.73	82.11	98.48
<b>30</b>	30.78	2.60	47.15	63.53	79.91	96.29
<b>25</b>	28.41	2.46	44.78	61.16	77.54	93.92
<b>20</b>	26.16	2.32	42.53	58.91	75.29	91.67
<b>15</b>	23.79	2.17	40.16	56.54	72.92	89.30
<b>10</b>	21.34	2.00	37.72	54.10	70.47	86.85
<b>5</b>	18.92	1.82	35.30	51.68	68.05	84.43
<b>0</b>	16.50	1.63	32.88	49.25	65.63	82.01
<b>-5</b>	14.08	1.43	30.46	46.83	63.21	79.59
<b>-10</b>	11.53	1.21	27.91	44.29	60.67	77.05



# HEATING SPECIFICATIONS

# HIGH STAGE

**\*SZC160241A\*/CA\*3636\*6\*\*+TXV/ MBVC1600\*\*-1\*\***  
**Conditions: 875 CFM Indoor Air @ 70°F DB, HIGH STAGE**

Outdoor Ambient °F.	Basic Unit without Auxiliary Heat		Capacity of Unit With KW of Auxiliary heat			
	capacity btuh	c.o.p.	4.8	9.6	14.4	19.2
65	30.17	4.74	46.55	62.93	79.32	95.70
60	28.56	4.58	44.94	61.32	77.71	94.09
55	26.88	4.40	43.26	59.64	76.03	92.41
50	25.13	4.20	41.51	57.89	74.28	90.66
45	23.26	3.97	39.64	56.02	72.40	88.79
40	21.60	3.77	37.98	54.36	70.75	87.13
35	19.92	3.55	36.30	52.68	69.07	85.45
30	18.69	3.18	35.07	51.45	67.84	84.22
25	17.25	3.01	33.63	50.01	66.40	82.78
20	15.89	2.84	32.27	48.65	65.03	81.41
15	14.45	2.65	30.83	47.21	63.59	79.97
10	12.96	2.44	29.34	45.72	62.11	78.49
5	11.49	2.22	27.87	44.25	60.64	77.02
0	10.02	1.99	26.40	42.78	59.17	75.55
-5	8.55	1.74	24.93	41.31	57.70	74.08
-10	7.01	1.47	23.39	39.77	56.15	72.53

**\*SZC160361A\*/CA\*F3743\*6\*\*+TXV/ MBVC1600\*\*-1\*\***  
**Conditions: 1200 CFM Indoor Air @ 70°F DB, HIGH STAGE**

Outdoor Ambient °F.	Basic Unit without Auxiliary Heat		Capacity of Unit With KW of Auxiliary heat			
	capacity btuh	c.o.p.	4.8	9.6	14.4	19.2
65	43.24	4.52	59.62	76.01	92.39	108.77
60	40.94	4.37	57.32	73.70	90.08	106.47
55	38.53	4.20	54.91	71.29	87.68	104.06
50	36.02	4.01	52.40	68.78	85.16	101.55
45	33.33	3.79	49.72	66.10	82.48	98.86
40	30.96	3.60	47.34	63.72	80.11	96.49
35	28.55	3.40	44.93	61.32	77.70	94.08
30	26.17	3.21	42.55	58.93	75.31	91.70
25	24.15	3.03	40.53	56.91	73.30	89.68
20	22.24	2.86	38.62	55.00	71.39	87.77
15	20.22	2.66	36.61	52.99	69.37	85.75
10	18.14	2.45	34.53	50.91	67.29	83.67
5	16.09	2.23	32.47	48.85	65.23	81.62
0	14.03	2.00	30.41	46.79	63.18	79.56
-5	11.97	1.75	28.35	44.73	61.12	77.50
-10	9.81	1.48	26.19	42.57	58.95	75.34

**\*SZC160481A\*/CA\*F4961\*6\*\*+TXV/MBVC2000\*\*-1\*\***  
**Conditions: 1550 CFM Indoor Air @ 70°F DB, HIGH STAGE**

Outdoor Ambient °F.	Basic Unit without Auxiliary Heat		Capacity of Unit With KW of Auxiliary heat			
	capacity btuh	c.o.p.	4.8	9.6	14.4	19.2
65	59.08	4.54	75.46	91.84	108.23	124.61
60	55.93	4.39	72.31	88.69	105.08	121.46
55	52.64	4.22	69.02	85.40	101.79	118.17
50	49.21	4.03	65.59	81.97	98.36	114.74
45	45.54	3.81	61.93	78.31	94.69	111.07
40	42.30	3.61	58.68	75.06	91.45	107.83
35	39.01	3.41	55.39	71.77	88.16	104.54
30	41.12	3.61	57.50	73.88	90.27	106.65
25	37.95	3.42	54.33	70.71	87.10	103.48
20	34.95	3.22	51.33	67.71	84.09	100.48
15	31.78	3.00	48.16	64.54	80.93	97.31
10	28.51	2.77	44.89	61.28	77.66	94.04
5	25.28	2.52	41.66	58.04	74.43	90.81
0	22.04	2.25	38.43	54.81	71.19	87.57
-5	18.81	1.98	35.19	51.57	67.96	84.34
-10	15.41	1.67	31.79	48.18	64.56	80.94

**\*SZC160601A\*/CA\*F4961\*6\*\*+TXV/MBVC2000\*\*-1\*\***  
**Conditions: 1800 CFM Indoor Air @ 70°F DB, HIGH STAGE**

Outdoor Ambient °F.	Basic Unit without Auxiliary Heat		Capacity of Unit With KW of Auxiliary heat			
	capacity btuh	c.o.p.	4.8	9.6	14.4	19.2
65	71.65	4.44	88.03	104.41	120.80	137.18
60	67.83	4.29	84.21	100.59	116.98	133.36
55	63.84	4.12	80.22	96.60	112.99	129.37
50	59.68	3.94	76.06	92.44	108.83	125.21
45	55.23	3.73	71.62	88.00	104.38	120.76
40	51.30	3.54	67.68	84.06	100.45	116.83
35	47.31	3.34	63.69	80.07	96.46	112.84
30	44.86	3.08	61.24	77.62	94.00	110.39
25	41.40	2.91	57.78	74.16	90.55	106.93
20	38.12	2.75	54.51	70.89	87.27	103.65
15	34.67	2.56	51.05	67.43	83.82	100.20
10	31.10	2.36	47.49	63.87	80.25	96.63
5	27.58	2.15	43.96	60.34	76.72	93.11
0	24.05	1.92	40.43	56.81	73.20	89.58
-5	20.52	1.69	36.90	53.28	69.67	86.05
-10	16.81	1.42	33.19	49.58	65.96	82.34

\*To obtain BTU capacity of unit with KW of auxiliary heat, multiply by 1000 (Example: 39.01 x 1000 = 39,010 BTU)

# HEATING SPECIFICATIONS

# HIGH STAGE

<b>*SZC160601B* / CA*F4860*6A*+TXV/ MBVC2000**-1</b>						
<b>Conditions:1800 CFM @ 70°F DB, HIGH STAGE</b>						
<b>Outdoor Ambient °F.</b>	<b>Basic Unit without Auxiliary Heat</b>		<b>Capacity of Unit With KW of Auxiliary heat</b>			
	<b>capacity btuh</b>	<b>c.o.p.</b>	<b>4.8</b>	<b>9.6</b>	<b>14.4</b>	<b>19.2</b>
<b>65</b>	71.02	4.45	87.40	103.78	120.15	136.53
<b>60</b>	67.24	4.30	83.61	99.99	116.37	132.75
<b>55</b>	63.28	4.13	79.66	96.04	112.41	128.79
<b>50</b>	59.16	3.94	75.53	91.91	108.29	124.67
<b>45</b>	54.75	3.73	71.13	87.50	103.88	120.26
<b>40</b>	50.85	3.54	67.23	83.61	99.98	116.36
<b>35</b>	46.90	3.33	63.27	79.65	96.03	112.41
<b>30</b>	44.61	2.83	60.98	77.36	93.74	110.12
<b>25</b>	41.17	2.67	57.55	73.93	90.30	106.68
<b>20</b>	37.91	2.52	54.29	70.67	87.05	103.42
<b>15</b>	34.48	2.35	50.85	67.23	83.61	99.99
<b>10</b>	30.93	2.16	47.31	63.69	80.06	96.44
<b>5</b>	27.42	1.97	43.80	60.18	76.56	92.93
<b>0</b>	23.91	1.76	40.29	56.67	73.05	89.42
<b>-5</b>	20.41	1.55	36.78	53.16	69.54	85.92
<b>-10</b>	16.72	1.30	33.10	49.47	65.85	82.23

# PERFORMANCE DATA

## PERFORMANCE TEST

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

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

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

A properly operating unit should be within the subcooling value shown in the Heat Pump 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.

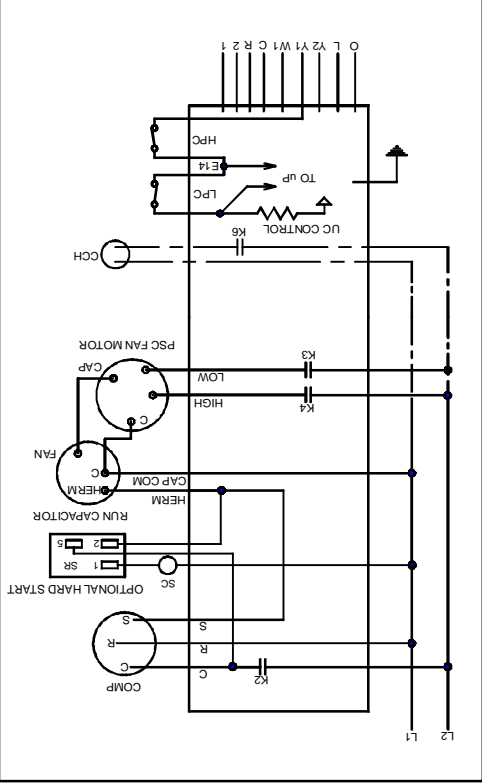
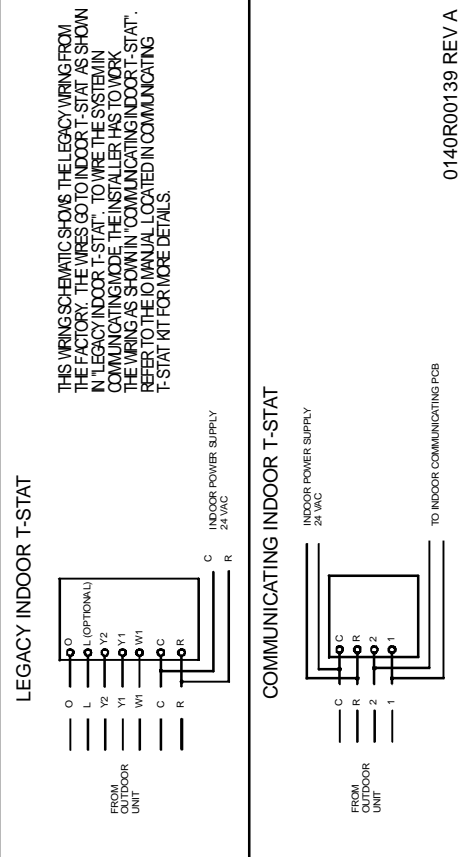
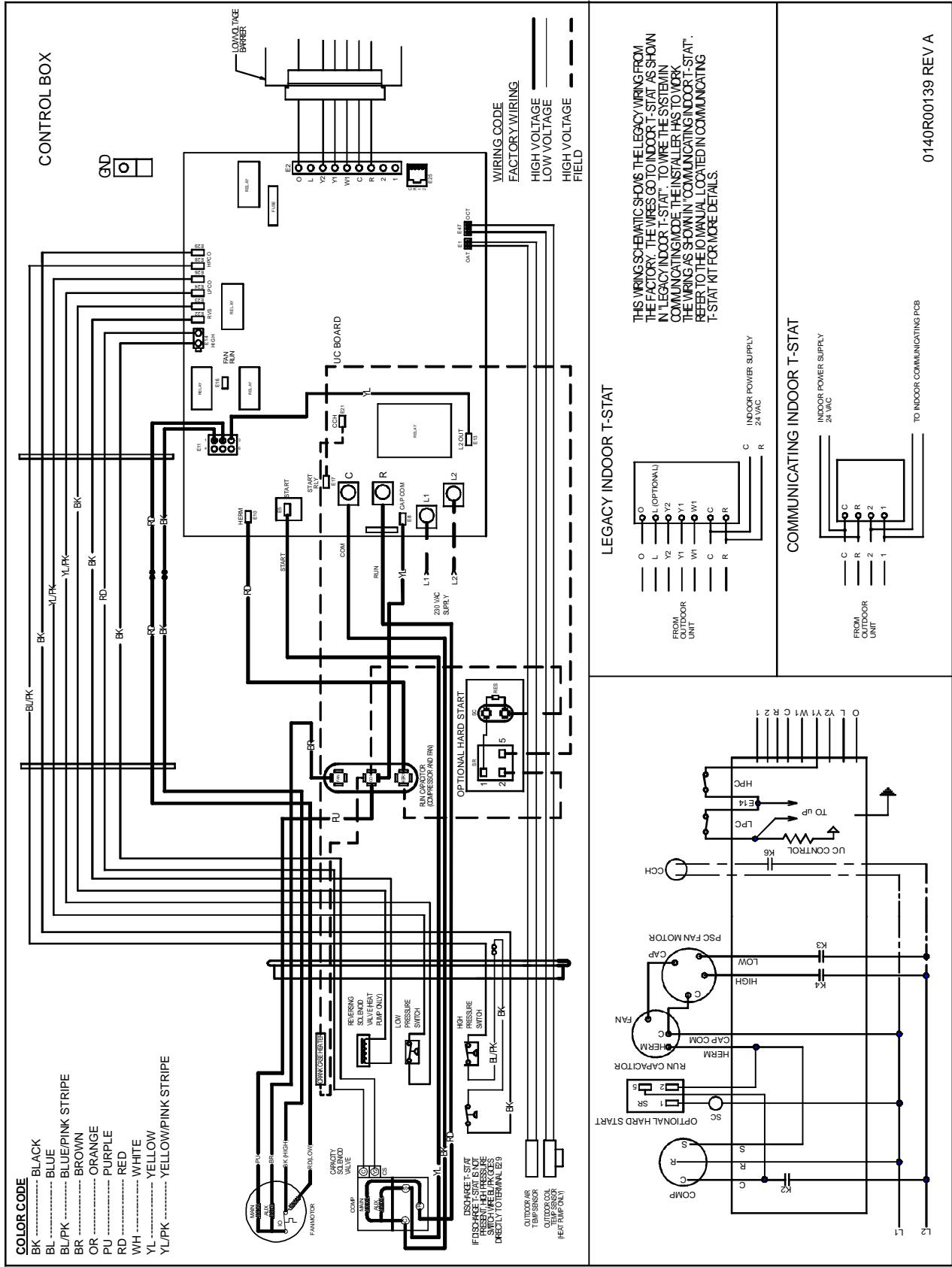
*NOTE: Pressures are measured at the liquid and suction service valve ports.*



**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.





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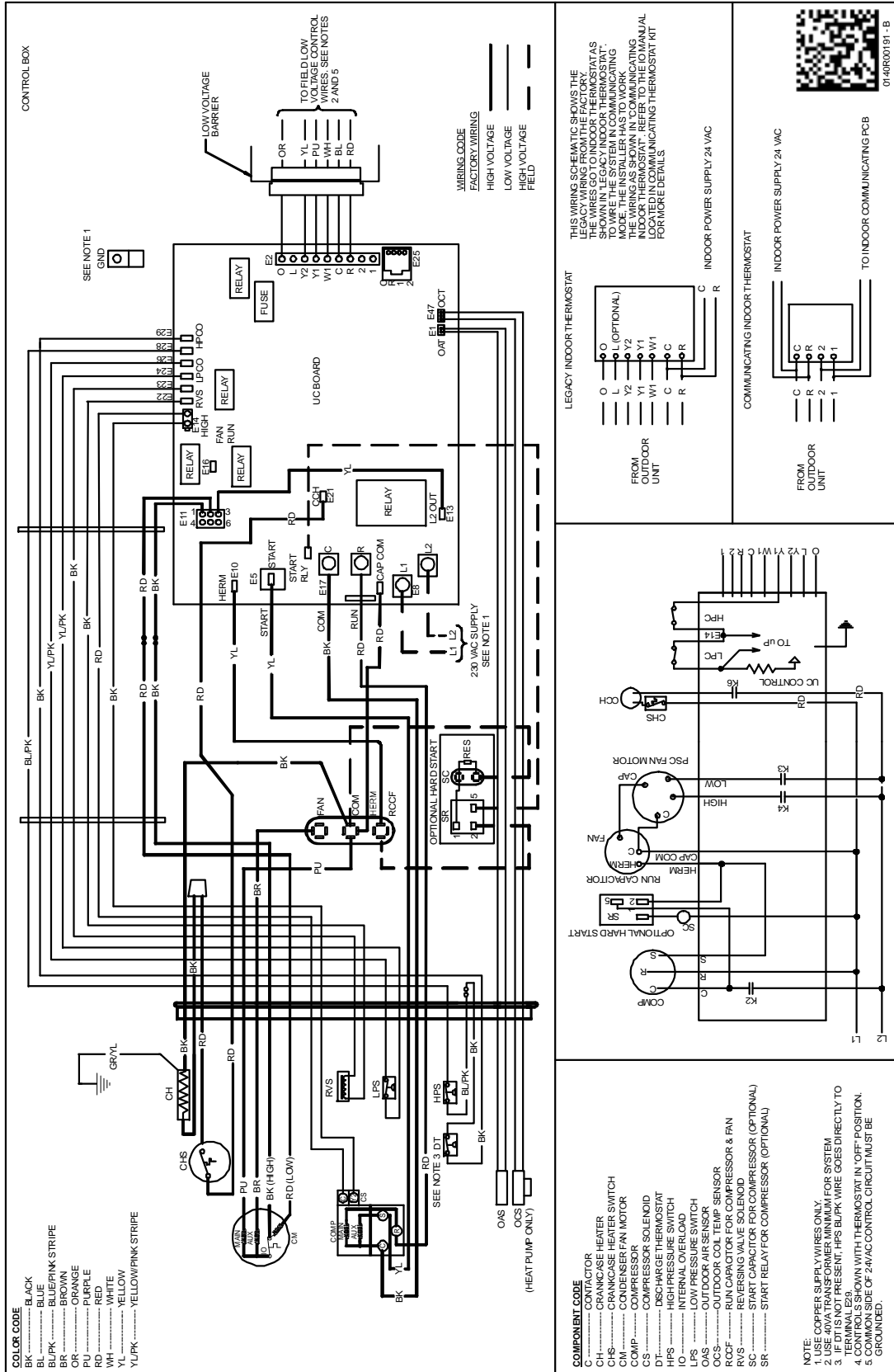
Wiring is subject to change, always refer to the wiring diagram on the unit for the most up-to-date wiring.

# WIRING DIAGRAMS

# \*SZC160[24-48]1AC, \*SZC160601BA

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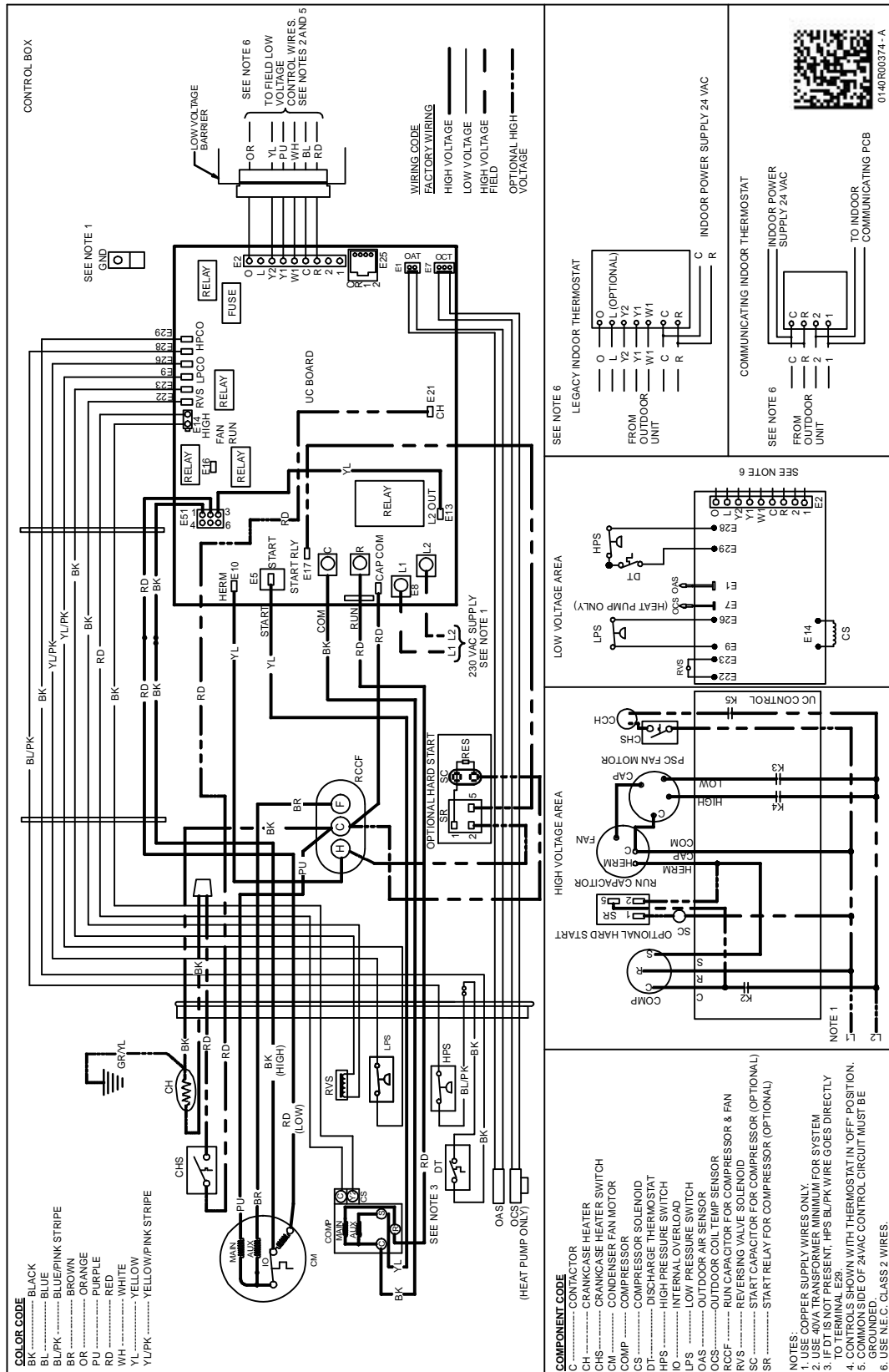
Wiring is subject to change, always refer to the wiring diagram on the unit for the most up-to-date wiring.



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