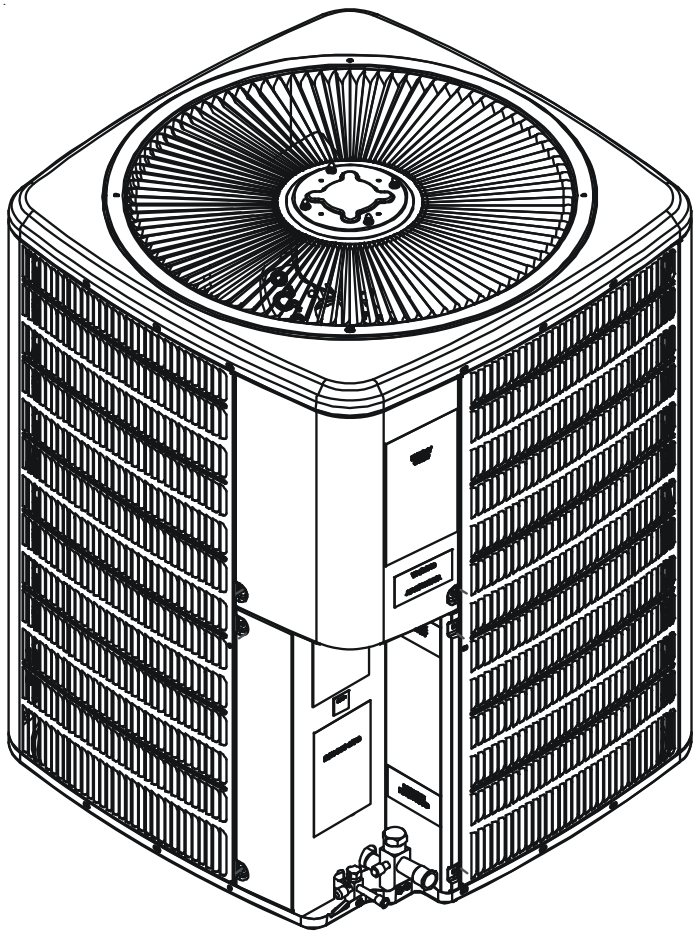
TECHNICAL MANUAL

GSZ/VSZ 13 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.

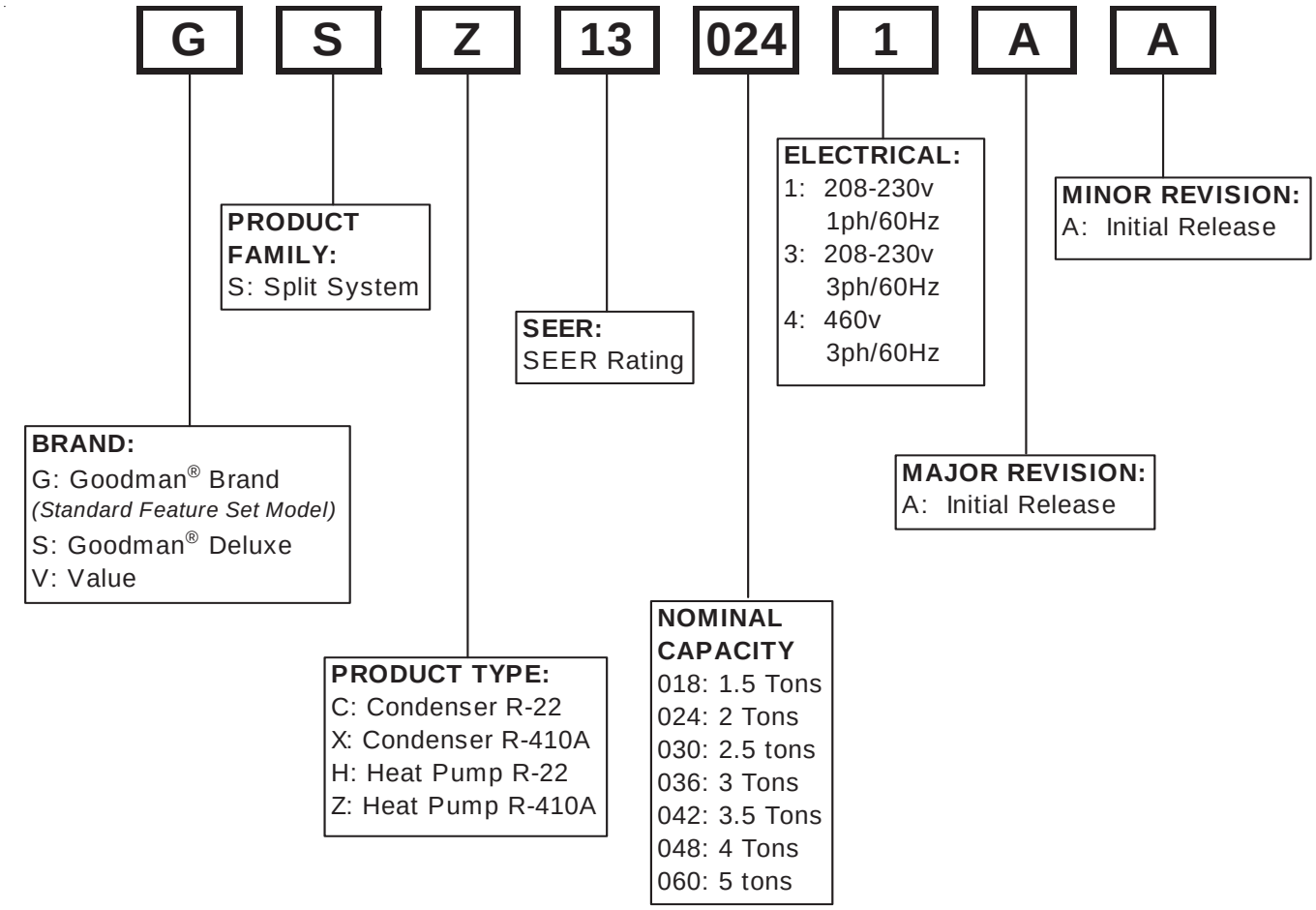


This manual is to be used by qualified, professionally trained HVAC technicians only. Goodman does not assume any responsibility for property damage or personal injury due to improper service procedures or services performed by an unqualified person.

RT6212006r11
February 2012

PRODUCT IDENTIFICATION

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



⚠ WARNING

HIGH VOLTAGE!

Disconnect ALL power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death.

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

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

PRODUCT IDENTIFICATION

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

GSZ130181A*	VSZ130181A*
GSZ130241A*	VSZ130241A*
GSZ130301A*	VSZ130301A*
GSZ130361A*	VSZ130361A*
GSZ130421A*	VSZ130421A*
GSZ130481A*	VSZ130481A*
GSZ130601A*	VSZ130601A*
GSZ130241B*	VSZ130241B*
GSZ130361B*	VSZ130361B*
GSZ130363A*	
GSZ130483A*	
GSZ130484A*	
GSZ130603A*	
GSZ130604A*	

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

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

⚠ WARNING **Do not connect or use any device that is not design certified by 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.**

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

PRODUCT DESIGN

GSZ/VSZ13 models are available in 1 1/2 through 5 ton sizes and use R-410A refrigerant. They are designed for 208/230 volt single phase applications.

Select GSZ13 models are available in 208/230 and 460 volt 3-phase applications. These models use R-410A refrigerant.

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. GSZ 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.

GSZ/VSZ models use high-efficiency Copeland® scroll "Ultratech" compressors which are specifically desgined 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 diagnositics 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.

⚠ 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.

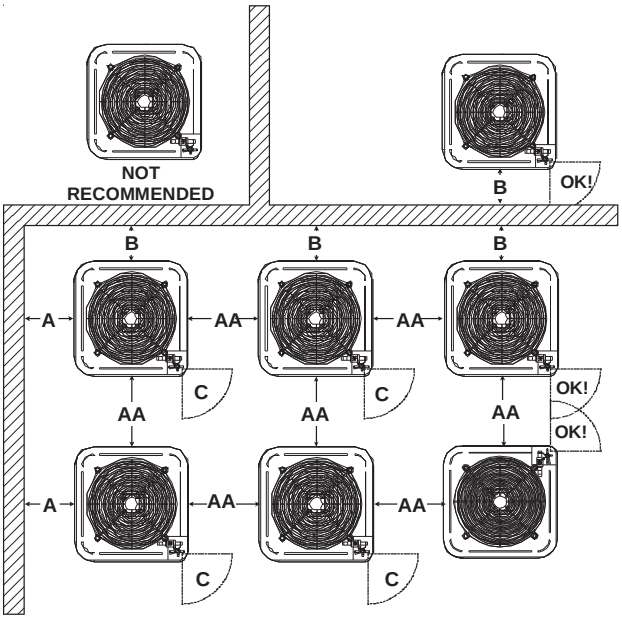
This unit is for outdoor installation only. Refer to minimum figure for clearances from the sides of the unit to full walls and other objects.

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"

PRODUCT DESIGN

Product Dimensions

Model	Dimensions - W x D x H
G/VSZ130181A*	26 x 26 x 32¼
G/VSZ130241A*	26 x 26 x 32¼
G/VSZ130241B*	26 x 26 x 32½
G/VSZ130301A*	26 x 26 x 32¼
G/VSZ130361A* GSZ130363A*	29 x 29 x 38¼
G/VSZ130361B*	29 x 29 x 32½
G/VSZ130421A*	29 x 29 x 38¼
G/VSZ130481A* GSZ130483A* GSZ130484A*	29 x 29 x 34¼
G/VSZ130601A* GZX130603A* GSZ130604A*	35½ x 35½ x 34¼

HEAT PUMP SPECIFICATIONS

G/VSZ130[18-60]1A*

	*SZ130181A	*SZ130241A	*SZ130301A	*SZ130361A	*SZ130421A	*SZ130481A	*SZ130601A
Nominal Capacities							
Cooling Capacity, BTUH	18,000	24,000	30,000	36,000	42,000	48,000	60,000
Heating Capacity, BTUH	17,000	23,000	26,400	34,000	40,500	44,000	58,000
Compressor							
R.L. Amps	9.0	12.8	14.1	16.6	17.9	19.8	26.4
L.R. Amps	48.0	58.3	73.0	79.0	112.0	109.0	134.0
Low Pressure Switch							
Open	22 PSIG	22 PSIG	22 PSIG	22 PSIG	22 PSIG	22 PSIG	22 PSIG
Close	50 PSIG	50 PSIG	50 PSIG	50 PSIG	50 PSIG	50 PSIG	50 PSIG
High Pressure Switch							
Open	610 PSIG	610 PSIG	610 PSIG	610 PSIG	610 PSIG	610 PSIG	610 PSIG
Close	420 PSIG	420 PSIG	420 PSIG	420 PSIG	420 PSIG	420 PSIG	420 PSIG
Condenser Fan Motor							
Horsepower	1/6	1/6	1/6	1/4	1/4	1/4	1/4
F.L. Amps	1.10	1.10	1.10	1.50	1.50	1.50	1.50
Liquid Line, Inches O.D.*	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Line, Inches O.D.*	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
Refrigerant Charge	122.0	122.0	127.0	171.0	174.0	222.0	245.0
Power Supply	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Minimum Circuit Ampacity(1)	12.3	17.1	18.7	22.3	23.9	26.3	34.5
Maximum Overcurrent Device(2)	20	25	30	35	40	45	60
Electrical Conduit Size							
Power Supply (Inches)	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4
Approximate Shipping Weight	198	198	202	232	235	240	266

* Up to 24' in equivalent line length
(1) Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes.
(2) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.

NOTES:

- Always check the S & R plate for electrical data on the unit being installed.
- Installer will need to supply 7/8" to 1-1/8" adapters for suction line connections (4 & 5 ton units).
- Installer will need to supply 3/4" to 7/8" adapters for suction line connections (3 ton unit).
- Unit is charged with refrigerant for 15' of 3/8" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.
- Installation of these units requires the specified TXV Kit to be installed on the indoor coil. THE SPECIFIED TXV IS DETERMINED BY THE OUTDOOR UNIT, NOT THE INDOOR COIL.

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

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

HEAT PUMP SPECIFICATIONS

GSZ130[18, 42-60]1AC; GSZ130301AD; GSX130421AE

VSZ130[18, 42-60]1AB/AD; VSZ130301AC/AE

	GSZ130181AC VSZ130181AB	VSZ130181AD	GSZ130301AD VSZ130301AC	VSZ130301AE	GSZ130421AC VSZ130421AB	GSZ130421AE VSZ130421AD	GSZ130481AC VSZ130481AB VSZ130481AD	GSZ130601AC VSZ130601AB
Nominal Capacities								
Cooling Capacity, BTUH	18,000	18,000	30,000	30,000	42,000	42,000	48,000	60,000
Heating Capacity, BTUH	17,000	17,000	26,400	26,400	40,500	40,500	44,000	58,000
Compressor								
R.L. Amps	9.0	9.0	14.1	14.1	17.9	17.9	19.9	26.4
L.R. Amps	48.0	48.0	73.0	73.0	112.0	112.0	109.0	134.0
Low Pressure Switch								
Open	22 PSIG	22 PSIG	22 PSIG	22 PSIG	22 PSIG	22 PSIG	22 PSIG	22 PSIG
Close	50 PSIG	50 PSIG	50 PSIG	50 PSIG	50 PSIG	50 PSIG	50 PSIG	50 PSIG
High Pressure Switch								
Open	610 PSIG	610 PSIG	610 PSIG	610 PSIG	610 PSIG	610 PSIG	610 PSIG	610 PSIG
Close	420 PSIG	420 PSIG	420 PSIG	420 PSIG	420 PSIG	420 PSIG	420 PSIG	420 PSIG
Condenser Fan Motor								
Horsepower	1/6	1/8	1/6	1/8	1/4	1/4	1/4	1/4
F.L. Amps	1.10	0.7	1.10	0.7	1.50	1.50	1.50	1.50
Liquid Line, Inches O.D.*	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Line, Inches O.D.*	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"
Refrigerant Charge	119.0	119.0	124.0	124.0	171.0	156.0	219.0	240.0
Power Supply	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Minimum Circuit Ampacity(1)	12.4	12.0	18.7	18.3	23.9	23.9	26.4	34.5
Maximum Overcurrent Device(2)	20	20	30	30	40	40	45	60
Electrical Conduit Size								
Power Supply (Inches)	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4
Approximate Shipping Weight	198	198	202	202	235	235	240	266

* Up to 24' in equivalent line length

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

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

NOTES:

- Always check the S & R plate for electrical data on the unit being installed.
- Installer will need to supply 7/8" to 1-1/8" adapters for suction line connections (4 & 5 ton units).
- Installer will need to supply 3/4" to 7/8" adapters for suction line connections (3 ton unit).
- Unit is charged with refrigerant for 15' of 3/8" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.
- Installation of these units requires the specified TXV Kit to be installed on the indoor coil. THE SPECIFIED TXV IS DETERMINED BY THE OUTDOOR UNIT, NOT THE INDOOR COIL.

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

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

HEAT PUMP SPECIFICATIONS

G/VSZ130[24,36]B*

	GSZ130241B* VSZ130241B*	VSZ130241BC	GSZ130361B* VSZ130361B*	GSZ130361B* VSZ130361B*	GSZ130361BC VSZ130361BC
Nominal Capacities					
Cooling Capacity, BTUH	24,000	24,000	36,000	36,000	36,000
Heating Capacity, BTUH	23,000	23,000	34,000	34,000	34,000
Compressor					
R.L. Amps	12.8	12.8	16.7	16.7	16.7
L.R. Amps	58.3	58.3	79.0	79.0	79.0
Low Pressure Switch					
Open	22 PSIG	22 PSIG	22 PSIG	22 PSIG	22 PSIG
Close	50 PSIG	50 PSIG	50 PSIG	50 PSIG	50 PSIG
High Pressure Switch					
Open	610 PSIG	610 PSIG	610 PSIG	610 PSIG	610 PSIG
Close	420 PSIG	420 PSIG	420 PSIG	420 PSIG	420 PSIG
Condenser Fan Motor					
Horsepower	1/6	1/8	1/4	1/4	1/4
F.L. Amps	1.10	0.7	1.50	1.50	1.50
Liquid Line, Inches O.D.*	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Line, Inches O.D.*	3/4"	3/4"	3/4"	3/4"	3/4"
Refrigerant Charge	113.0	113.0	131.0	128.0	122.0
Power Supply	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Minimum Circuit Ampacity(1)	17.1	16.7	22.3	22.3	22.3
Maximum Overcurrent Device(2)	25	25	35	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	1/2 or 3/4
Approximate Shipping Weight	198	198	232	232	232

(1) Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes.
(2) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.
(3) Tested and rated in accordance with AHRI Standard 210/240

NOTES:

- Always check the S & R plate for electrical data on the unit being installed.
- Installer will need to supply 7/8" to 1-1/8" adapters for suction line connections (4 & 5 ton units).
- Installer will need to supply 3/4" to 7/8" adapters for suction line connections (3 ton unit).
- Unit is charged with refrigerant for 15' of 3/8" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.
- Installation of these units requires the specified TXV Kit to be installed on the indoor coil. THE SPECIFIED TXV IS DETERMINED BY THE OUTDOOR UNIT, NOT THE INDOOR COIL.

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

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

HEAT PUMP SPECIFICATIONS

GSZ130[36-60][3,4]A*

	GSZ130363A*	GSZ130483A*	GSZ130484A*	GSZ130603A*	GSZ130604A*
Nominal Capacities					
Cooling Capacity, BTUH	36,000	48,000	48,000	60,000	60,000
Heating Capacity, BTUH	34,000	44,000	44,000	58,000	58,000
Decibels	74	76	76	75	75
Compressor					
R.L. Amps	10.4	13.1	6.1	16.0	7.8
L.R. Amps	73.0	83.1	41.0	110.0	52.0
Type	Scroll	Scroll	Scroll	Scroll	Scroll
Condenser Fan Motor					
Horsepower	1/4	1/4	1/4	1/4	1/4
F.L. Amps	1.50	1.50	0.80	1.50	0.80
Refrigerant System					
Liquid Line, Inches O.D.* [3]	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Line, Inches O.D.* [3]	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"
Liquid Valve Connection, Inches O.D.*	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Valve Connection, Inches O.D.*	3/4"	7/8"	7/8"	7/8"	7/8"
Refrigerant Charge	171.0	222.0	222.0	245.0	245.0
Piston Size	0.068	0.078	0.078	0.088	0.088
Power Supply	208/230-60-3	208/230-60-3	460-60-3	208/230-60-3	460-60-3
Minimum Circuit Ampacity[(1)]	14.5	17.9	8.4	21.5	10.6
Maximum Overcurrent Device[(2)]	20	30	15	35	15
Min / Max Volts	197 / 253	197 / 253	414 / 506	197 / 253	414 / 506
Electrical Conduit Size					
Power Supply (Inches)	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4
Approximate Shipping Weight	232	235	234	262	261

[(1)] Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes.
[(2)] Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.
[(3)] Tested and rated in accordance with AHRI Standard 210/240

NOTES:

- Always check the S & R plate for electrical data on the unit being installed.
- Installer will need to supply 7/8" to 1-1/8" adapters for suction line connections (4 & 5 ton units).
- Installer will need to supply 3/4" to 7/8" adapters for suction line connections (3 ton unit).
- Unit is charged with refrigerant for 15' of 3/8" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.
- Installation of these units requires the specified TXV Kit to be installed on the indoor coil. THE SPECIFIED TXV IS DETERMINED BY THE OUTDOOR UNIT, NOT THE INDOOR COIL.

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

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

MODEL: G/VSZ130181A* / AR*F182416** EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	675	MBh	17.1	17.7	19.4	-	16.7	17.3	18.9	-	16.3	16.9	18.5	-	15.9	16.4	18.0	-	15.1	15.6	17.1	-	14.0	14.5	15.9	-
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-
		□T	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-
		KW	1.25	1.27	1.31	-	1.34	1.37	1.41	-	1.42	1.45	1.50	-	1.49	1.52	1.57	-	1.55	1.59	1.64	-	1.61	1.64	1.69	-
		AMPS	4.5	4.6	4.8	-	4.9	5.0	5.2	-	5.3	5.4	5.6	-	5.7	5.8	6.0	-	6.0	6.2	6.4	-	6.4	6.5	6.8	-
		HI PR	225	242	255	-	252	271	287	-	287	309	326	-	327	352	371	-	367	395	418	-	406	437	461	-
		LO PR	109	116	126	-	115	122	133	-	119	127	139	-	125	133	146	-	131	140	152	-	136	144	158	-
	600	MBh	16.6	17.2	18.8	-	16.2	16.8	18.4	-	15.8	16.4	17.9	-	15.4	16.0	17.5	-	14.6	15.2	16.6	-	13.6	14.0	15.4	-
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-
		□T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	1.24	1.26	1.30	-	1.33	1.36	1.40	-	1.41	1.44	1.48	-	1.48	1.51	1.56	-	1.54	1.57	1.62	-	1.59	1.63	1.68	-
		AMPS	4.5	4.6	4.7	-	4.8	4.9	5.1	-	5.2	5.4	5.6	-	5.6	5.7	5.9	-	6.0	6.1	6.3	-	6.3	6.5	6.7	-
		HI PR	222	239	253	-	250	269	284	-	284	306	323	-	323	348	368	-	364	392	413	-	402	433	457	-
		LO PR	108	114	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	138	151	-	134	143	156	-
	525	MBh	15.3	15.8	17.4	-	14.9	15.5	16.9	-	14.6	15.1	16.5	-	14.2	14.7	16.1	-	13.5	14.0	15.3	-	12.5	13.0	14.2	-
		S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.66	0.45	-
		□T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	1.21	1.23	1.27	-	1.30	1.32	1.36	-	1.38	1.40	1.45	-	1.44	1.47	1.52	-	1.50	1.53	1.58	-	1.55	1.59	1.64	-
		AMPS	4.3	4.5	4.6	-	4.7	4.8	5.0	-	5.1	5.2	5.4	-	5.5	5.6	5.8	-	5.8	5.9	6.1	-	6.1	6.3	6.5	-
		HI PR	216	232	245	-	242	261	275	-	275	296	313	-	314	338	356	-	353	380	401	-	390	420	443	-
		LO PR	104	111	121	-	110	117	128	-	115	122	133	-	120	128	140	-	126	134	146	-	130	139	151	-
75	675	MBh	17.34	17.85	19.32	20.74	16.94	17.44	18.87	20.26	16.53	17.02	18.43	19.78	16.13	16.61	17.98	19.29	15.32	15.78	17.08	18.33	14.19	14.61	15.82	16.98
		S/T	0.84	0.76	0.57	0.37	0.88	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
		□T	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	18	15	10	19	17	14	10
		KW	1.26	1.28	1.32	1.36	1.35	1.38	1.42	1.46	1.43	1.46	1.51	1.56	1.50	1.54	1.58	1.64	1.57	1.60	1.65	1.70	1.62	1.65	1.71	1.76
		AMPS	4.6	4.7	4.8	5.0	4.9	5.0	5.2	5.4	5.3	5.5	5.7	5.9	5.7	5.9	6.0	6.3	6.1	6.2	6.4	6.7	6.4	6.6	6.8	7.1
		HI PR	227	244	258	269	255	274	289	302	290	312	329	343	330	355	375	391	371	399	422	440	410	441	466	486
		LO PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170
	600	MBh	16.8	17.3	18.8	20.1	16.4	16.9	18.3	19.7	16.1	16.5	17.9	19.2	15.7	**16.1**	17.5	18.7	14.9	15.3	16.6	17.8	13.8	14.2	15.4	16.5
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	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	0.93	0.83	0.63	0.40
		□T	21	19	16	11	21	19	16	11	21	19	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		KW	1.25	1.27	1.31	1.35	1.34	1.37	1.41	1.45	1.42	1.45	1.50	1.54	1.49	**1.52**	1.57	1.62	1.55	1.59	1.64	1.69	1.61	1.64	1.69	1.75
		AMPS	4.5	4.6	4.8	4.9	4.9	5.0	5.2	5.3	5.3	5.4	5.6	5.8	5.7	**5.8**	6.0	6.2	6.0	6.2	6.4	6.6	6.4	6.5	6.8	7.0
		HI PR	225	242	255	266	252	271	287	299	287	309	326	340	327	**352**	371	387	368	396	418	436	406	437	461	481
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	**133**	146	155	131	140	153	162	136	145	158	168
	525	MBh	15.5	16.0	17.3	18.6	15.2	15.6	16.9	18.2	14.8	15.3	16.5	17.7	14.5	14.88	16.1	17.3	13.7	14.1	15.3	16.4	12.7	13.1	14.2	15.2
		S/T	0.78	0.69	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.39	0.89	0.80	0.60	0.39
		□T	21	19	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		KW	1.22	1.24	1.28	1.32	1.31	1.33	1.38	1.42	1.39	1.42	1.46	1.51	1.46	1.49	1.53	1.58	1.51	1.55	1.60	1.65	1.57	1.60	1.65	1.71
		AMPS	4.4	4.5	4.6	4.8	4.7	4.9	5.0	5.2	5.2	5.3	5.5	5.7	5.5	5.6	5.8	6.0	5.9	6.0	6.2	6.4	6.2	6.4	6.6	6.8
		HI PR	218	235	248	258	245	263	278	290	278	299	316	330	317	341	360	376	357	384	405	423	394	424	448	467
		LO PR	105	112	122	130	111	118	129	138	116	123	134	143	122	129	141	150	127	136	148	158	132	140	153	163

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.

MODEL: G/VSZ130181A* / AR*F182416** EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	675	MBh	17.6	18.0	19.3	20.6	17.2	17.6	18.8	20.1	16.8	17.2	18.4	19.6	16.4	16.8	17.9	19.2	15.6	15.9	17.0	18.2	14.4	14.8	15.8	16.9
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.61
		DT	22	21	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	22	19	15	20	20	17	14
		KW	1.27	1.29	1.33	1.37	1.36	1.39	1.43	1.48	1.44	1.47	1.52	1.57	1.52	1.55	1.60	1.65	1.58	1.61	1.66	1.72	1.63	1.67	1.72	1.78
		AMPS	4.6	4.7	4.9	5.0	5.0	5.1	5.3	5.4	5.4	5.5	5.7	5.9	5.8	5.9	6.1	6.3	6.1	6.3	6.5	6.8	6.5	6.7	6.9	7.2
		HI PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	414	446	471	491
		LO PR	111	118	129	137	117	125	136	145	122	129	141	151	128	136	148	158	134	143	156	166	139	147	161	171
	600	MBh	17.1	17.5	18.7	20.0	16.7	17.1	18.3	19.5	16.3	16.7	17.8	19.1	15.9	16.3	**17.4**	18.6	15.1	15.5	16.5	17.7	14.0	14.3	15.3	16.4
		S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	**0.74**	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58
		DT	23	22	19	15	23	23	20	16	24	23	20	16	24	23	**20**	16	23	22	19	16	21	21	18	15
		KW	1.26	1.28	1.32	1.36	1.35	1.38	1.42	1.46	1.43	1.46	1.51	1.56	1.50	1.54	**1.59**	1.64	1.57	1.60	1.65	1.70	1.62	1.65	1.71	1.76
		AMPS	4.6	4.7	4.8	5.0	4.9	5.0	5.2	5.4	5.3	5.5	5.7	5.9	5.7	5.9	**6.1**	6.3	6.1	6.2	6.4	6.7	6.4	6.6	6.8	7.1
		HI PR	227	244	258	269	255	274	290	302	290	312	329	343	330	355	**375**	391	371	400	422	440	410	441	466	486
		LO PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	**147**	157	133	141	154	164	137	146	159	170
	525	MBh	15.8	16.2	17.3	18.5	15.4	15.8	16.9	18.0	15.1	15.4	16.5	17.6	14.7	15.0	16.1	17.2	14.0	14.3	15.3	16.3	12.9	13.2	14.1	15.1
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.91	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
		DT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15
		KW	1.23	1.25	1.29	1.33	1.32	1.34	1.39	1.43	1.40	1.43	1.47	1.52	1.47	1.50	1.55	1.60	1.53	1.56	1.61	1.66	1.58	1.61	1.67	1.72
		AMPS	4.4	4.5	4.7	4.9	4.8	4.9	5.1	5.3	5.2	5.3	5.5	5.7	5.6	5.7	5.9	6.1	5.9	6.1	6.3	6.5	6.3	6.4	6.6	6.9
		HI PR	220	237	250	261	247	266	281	293	281	302	319	333	320	344	364	379	360	388	409	427	398	428	452	472
		LO PR	106	113	124	132	112	120	131	139	117	124	136	145	123	131	143	152	129	137	149	159	133	142	155	165
85	675	MBh	18.0	18.3	19.2	20.5	17.5	17.9	18.7	20.0	17.1	17.5	18.3	19.5	16.7	17.0	17.8	19.0	15.9	16.2	16.9	18.1	14.7	15.0	15.7	16.7
		S/T	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79
		DT	24	23	22	19	24	24	22	19	23	24	22	19	23	23	23	20	22	22	22	19	20	20	21	18
		KW	1.28	1.30	1.34	1.38	1.37	1.40	1.44	1.49	1.45	1.49	1.53	1.58	1.53	1.56	1.61	1.66	1.59	1.63	1.68	1.73	1.65	1.68	1.74	1.79
		AMPS	4.6	4.7	4.9	5.1	5.0	5.1	5.3	5.5	5.4	5.6	5.8	6.0	5.8	6.0	6.2	6.4	6.2	6.3	6.6	6.8	6.6	6.7	7.0	7.2
		HI PR	232	249	263	275	260	280	295	308	296	318	336	350	337	362	383	399	379	408	430	449	418	450	475	496
		LO PR	112	119	130	138	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	163	173
	600	MBh	17.4	17.8	18.6	19.9	17.0	17.4	18.2	19.4	16.6	16.9	17.7	18.9	16.2	16.5	17.3	18.5	15.4	15.7	16.4	17.5	14.3	14.5	15.2	16.3
		S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	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
		DT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	24	24	23	20	22	22	22	19
		KW	1.27	1.29	1.33	1.37	1.36	1.39	1.43	1.48	1.44	1.47	1.52	1.57	1.52	1.55	1.60	1.65	1.58	1.61	1.66	1.72	1.63	1.67	1.72	1.78
		AMPS	4.6	4.7	4.9	5.0	5.0	5.1	5.3	5.4	5.4	5.5	5.7	5.9	5.8	5.9	6.1	6.3	6.1	6.3	6.5	6.8	6.5	6.7	6.9	7.2
		HI PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	414	446	471	491
		LO PR	111	118	129	137	117	125	136	145	122	129	141	151	128	136	148	158	134	143	156	166	139	147	161	171
	525	MBh	16.1	16.4	17.2	18.3	15.7	16.0	16.8	17.9	15.3	15.6	16.4	17.5	15.0	15.3	16.0	17.0	14.2	14.5	15.2	16.2	13.2	13.4	14.1	15.0
		S/T	0.89	0.86	0.78	0.63	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.89	0.72
		DT	25	25	23	20	25	25	24	21	26	25	24	21	26	25	24	21	25	25	24	20	23	23	22	19
		KW	1.24	1.26	1.30	1.34	1.33	1.36	1.40	1.44	1.41	1.44	1.48	1.53	1.48	1.51	1.56	1.61	1.54	1.57	1.62	1.68	1.59	1.63	1.68	1.73
		AMPS	4.5	4.6	4.7	4.9	4.8	4.9	5.1	5.3	5.2	5.4	5.6	5.8	5.6	5.7	5.9	6.2	6.0	6.1	6.3	6.6	6.3	6.5	6.7	7.0
		HI PR	222	239	253	264	250	269	284	296	284	305	323	336	323	348	367	383	364	391	413	431	402	432	457	476
		LO PR	108	114	125	133	114	121	132	140	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166

Shaded area is AHRI Rating Conditions IDB: Entering Indoor Dry Bulb Temperature KW=Total system pow er AMPS=outdoor unit amps (comp.+fan

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

MODEL: G/VSZ130241A* / AR*F182416**

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	923	MBh	22.5	23.4	25.6	-	22.0	22.8	25.0	-	21.5	22.3	24.4	-	21.0	21.7	23.8	-	19.9	20.6	22.6	-	18.4	19.1	21.0	-
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-
		DT	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
		KW	1.63	1.66	1.71	-	1.75	1.79	1.84	-	1.86	1.90	1.96	-	1.95	2.00	2.06	-	2.04	2.08	2.15	-	2.11	2.15	2.22	-
		AMPS	6.1	6.2	6.4	-	6.6	6.8	7.0	-	7.2	7.3	7.6	-	7.7	7.9	8.1	-	8.2	8.4	8.7	-	8.7	8.9	9.2	-
		HI PR	227	244	257	-	254	274	289	-	289	311	328	-	329	354	374	-	370	399	421	-	409	440	465	-
		LO PR	104	111	121	-	110	117	128	-	114	122	133	-	120	128	140	-	126	134	146	-	130	139	151	-
	820	MBh	21.9	22.7	24.8	-	21.4	22.2	24.3	-	20.9	21.6	23.7	-	20.4	21.1	23.1	-	19.3	20.0	22.0	-	17.9	18.6	20.3	-
		S/T	0.71	0.59	0.41	-	0.73	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	-
		DT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-
		KW	1.61	1.65	1.70	-	1.74	1.77	1.83	-	1.84	1.88	1.94	-	1.94	1.98	2.05	-	2.02	2.06	2.13	-	2.09	2.14	2.21	-
		AMPS	6.0	6.2	6.4	-	6.5	6.7	6.9	-	7.1	7.3	7.5	-	7.6	7.8	8.0	-	8.1	8.3	8.6	-	8.6	8.8	9.1	-
		HI PR	224	241	255	-	252	271	286	-	286	308	325	-	326	351	370	-	367	395	417	-	405	436	460	-
		LO PR	103	110	120	-	109	116	127	-	113	120	132	-	119	127	138	-	125	133	145	-	129	137	150	-
	718	MBh	20.2	20.9	22.9	-	19.7	20.4	22.4	-	19.3	20.0	21.9	-	18.8	19.5	21.3	-	17.8	18.5	20.3	-	16.5	17.1	18.8	-
		S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-
		DT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		KW	1.58	1.61	1.66	-	1.70	1.73	1.79	-	1.80	1.84	1.90	-	1.89	1.93	1.99	-	1.97	2.01	2.08	-	2.04	2.08	2.15	-
		AMPS	5.9	6.0	6.2	-	6.4	6.5	6.7	-	6.9	7.1	7.3	-	7.4	7.6	7.8	-	7.9	8.1	8.3	-	8.3	8.5	8.8	-
		HI PR	218	234	247	-	244	263	277	-	278	299	315	-	316	340	359	-	356	383	404	-	393	423	447	-
		LO PR	100	106	116	-	106	112	123	-	110	117	128	-	115	123	134	-	121	129	140	-	125	133	145	-
75	923	MBh	22.9	23.6	25.5	27.4	22.4	23.0	24.9	26.8	21.9	22.5	24.4	26.1	21.3	**22.0**	23.8	25.5	20.3	20.9	22.6	24.2	18.8	19.3	20.9	22.4
		S/T	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
		DT	19	18	15	10	20	18	15	10	20	18	15	10	20	**18**	15	10	19	18	15	10	18	17	14	9
		KW	1.64	1.67	1.73	1.78	1.76	1.80	1.86	1.92	1.87	1.91	1.98	2.04	1.97	**2.01**	2.08	2.15	2.05	2.10	2.17	2.24	2.12	2.17	2.24	2.32
		AMPS	6.2	6.3	6.5	6.8	6.7	6.8	7.0	7.3	7.2	7.4	7.7	8.0	7.7	**7.9**	8.2	8.5	8.2	8.4	8.7	9.1	8.7	9.0	9.3	9.6
		HI PR	229	246	260	271	257	276	292	304	292	314	332	346	333	**358**	378	394	374	403	425	443	413	445	470	490
		LO PR	105	112	122	130	111	118	129	138	116	123	134	143	121	**129**	141	150	127	135	148	157	132	140	153	163
	820	MBh	22.3	22.9	24.8	26.6	21.7	22.4	24.2	26.0	21.2	21.8	23.6	25.4	20.7	**21.3**	23.1	24.8	19.7	20.2	21.9	23.5	18.2	18.8	20.3	21.8
		S/T	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
		DT	20	18	15	10	20	19	15	11	20	19	15	11	20	**19**	15	11	20	19	15	11	19	17	14	10
		KW	1.63	1.66	1.71	1.77	1.75	1.79	1.84	1.90	1.86	1.90	1.96	2.02	1.96	**2.00**	2.06	2.13	2.04	2.08	2.15	2.22	2.11	2.15	2.22	2.30
		AMPS	6.1	6.2	6.4	6.7	6.6	6.8	7.0	7.2	7.2	7.3	7.6	7.9	7.7	**7.9**	8.1	8.4	8.2	8.4	8.7	9.0	8.7	8.9	9.2	9.5
		HI PR	227	244	257	269	254	274	289	301	289	311	329	343	329	**354**	374	390	370	399	421	439	409	441	465	485
		LO PR	104	111	121	129	110	117	128	136	114	122	133	142	120	**128**	140	149	126	134	146	156	130	139	151	161
	718	MBh	20.5	21.1	22.9	24.6	20.1	20.7	22.4	24.0	19.6	20.2	21.8	23.4	19.1	**19.7**	21.3	22.9	18.2	18.7	20.2	21.7	16.8	17.3	18.7	20.1
		S/T	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
		DT	20	19	15	11	21	19	16	11	21	19	16	11	21	**19**	16	11	21	19	16	11	19	18	14	10
		KW	1.59	1.62	1.67	1.72	1.71	1.74	1.80	1.86	1.81	1.85	1.91	1.97	1.91	**1.95**	2.01	2.08	1.99	2.03	2.10	2.17	2.05	2.10	2.17	2.24
		AMPS	5.9	6.1	6.3	6.5	6.4	6.6	6.8	7.0	7.0	7.1	7.4	7.7	7.5	**7.6**	7.9	8.2	7.9	8.1	8.4	8.7	8.4	8.6	8.9	9.3
		HI PR	220	237	250	260	247	265	280	292	280	302	319	332	319	**344**	363	379	359	387	408	426	397	427	451	471
		LO PR	101	108	117	125	107	114	124	132	111	118	129	137	117	**124**	135	144	122	130	142	151	126	134	147	156

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.

MODEL: G/VSZ130241A* / AR*F182416**

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	923	MBh	23.3	23.8	25.5	27.2	22.8	23.3	24.9	26.6	22.2	22.7	24.3	26.0	21.7	22.2	23.7	25.3	20.6	21.1	22.5	24.1	19.1	19.5	20.8	22.3
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.81	0.61
		DT	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	21	21	18	14	19	19	17	13
		KW	1.65	1.69	1.74	1.80	1.78	1.82	1.87	1.94	1.89	1.93	1.99	2.06	1.99	2.03	2.10	2.17	2.07	2.12	2.19	2.26	2.14	2.19	2.26	2.34
		AMPS	6.2	6.4	6.6	6.8	6.7	6.9	7.1	7.4	7.3	7.5	7.7	8.0	7.8	8.0	8.3	8.6	8.3	8.5	8.8	9.2	8.8	9.0	9.4	9.7
		HI PR	231	249	263	274	259	279	295	307	295	317	335	350	336	362	382	398	378	407	430	448	418	449	475	495
		LO PR	106	113	123	131	112	119	130	139	117	124	136	144	123	130	142	152	129	137	149	159	133	141	154	164
	820	MBh	22.6	23.1	24.7	26.4	22.1	22.6	24.2	25.8	21.6	22.1	23.6	25.2	21.1	21.5	**23.0**	24.6	20.0	20.5	21.9	23.4	18.5	18.9	20.2	21.6
		S/T	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
		DT	22	21	19	15	23	22	19	15	23	22	19	15	23	22	**19**	15	22	22	19	15	21	20	18	14
		KW	1.64	1.67	1.73	1.78	1.76	1.80	1.86	1.92	1.87	1.91	1.98	2.04	1.97	2.01	**2.08**	2.15	2.05	2.10	2.17	2.24	2.12	2.17	2.24	2.32
		AMPS	6.2	6.3	6.5	6.8	6.7	6.8	7.0	7.3	7.2	7.4	7.7	8.0	7.7	7.9	**8.2**	8.5	8.2	8.4	8.7	9.1	8.7	9.0	9.3	9.6
		HI PR	229	246	260	271	257	276	292	304	292	314	332	346	333	358	**378**	394	374	403	425	444	413	445	470	490
		LO PR	105	112	122	130	111	118	129	138	116	123	134	143	121	129	**141**	150	127	135	148	157	132	140	153	163
	718	MBh	20.9	21.4	22.8	24.4	20.4	20.9	22.3	23.8	19.9	20.4	21.8	23.3	19.4	19.9	21.2	22.7	18.5	18.9	20.2	21.6	17.1	17.5	18.7	20.0
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56
		DT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	21	18	14
		KW	1.60	1.63	1.69	1.74	1.72	1.76	1.81	1.87	1.83	1.87	1.93	1.99	1.92	1.96	2.03	2.10	2.00	2.05	2.11	2.18	2.07	2.12	2.19	2.26
		AMPS	6.0	6.1	6.3	6.6	6.5	6.6	6.9	7.1	7.0	7.2	7.5	7.7	7.5	7.7	8.0	8.3	8.0	8.2	8.5	8.8	8.5	8.7	9.0	9.3
		HI PR	222	239	252	263	249	268	283	295	283	305	322	336	323	347	367	382	363	391	412	430	401	432	456	475
		LO PR	102	109	119	126	108	115	125	133	112	119	130	139	118	125	137	146	123	131	143	153	128	136	148	158
85	923	MBh	23.7	24.2	25.3	27.0	23.2	23.6	24.8	26.4	22.6	23.1	24.2	25.8	22.1	22.5	23.6	25.1	21.0	21.4	22.4	23.9	19.4	19.8	20.7	22.1
		S/T	0.97	0.94	0.84	0.69	1.00	0.97	0.88	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	23	23	21	18	23	23	22	19	23	23	22	19	22	22	22	19	21	21	21	19	19	20	20	17
		KW	1.67	1.70	1.75	1.81	1.79	1.83	1.89	1.95	1.90	1.95	2.01	2.08	2.00	2.05	2.11	2.18	2.09	2.13	2.20	2.28	2.16	2.21	2.28	2.36
		AMPS	6.3	6.4	6.6	6.9	6.8	6.9	7.2	7.4	7.4	7.6	7.8	8.1	7.9	8.1	8.4	8.7	8.4	8.6	8.9	9.2	8.9	9.1	9.4	9.8
		HI PR	233	251	265	277	262	282	298	310	298	321	339	353	339	365	386	402	382	411	434	452	422	454	479	500
		LO PR	107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	161	134	143	156	166
	820	MBh	23.0	23.5	24.6	26.2	22.5	22.9	24.0	25.6	22.0	22.4	23.5	25.0	21.4	21.9	22.9	24.4	20.4	20.8	21.7	23.2	18.9	19.2	20.1	21.5
		S/T	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
		DT	24	24	22	19	24	24	22	19	24	24	23	19	24	24	23	20	23	23	22	19	21	22	21	18
		KW	1.65	1.69	1.74	1.80	1.78	1.82	1.87	1.94	1.89	1.93	1.99	2.06	1.99	2.03	2.10	2.17	2.07	2.12	2.19	2.26	2.14	2.19	2.26	2.34
		AMPS	6.2	6.4	6.6	6.8	6.7	6.9	7.1	7.4	7.3	7.5	7.7	8.0	7.8	8.0	8.3	8.6	8.3	8.5	8.8	9.2	8.8	9.0	9.4	9.7
		HI PR	231	249	263	274	259	279	295	307	295	317	335	350	336	362	382	398	378	407	430	448	418	449	475	495
		LO PR	106	113	123	131	112	119	130	139	117	124	136	144	123	130	142	152	129	137	149	159	133	141	154	164
	718	MBh	21.3	21.7	22.7	24.2	20.8	21.2	22.2	23.7	20.3	20.7	21.7	23.1	19.8	20.2	21.1	22.5	18.8	19.2	20.1	21.4	17.4	17.7	18.6	19.8
		S/T	0.89	0.86	0.78	0.63	0.92	0.89	0.81	0.65	0.95	0.91	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
		DT	24.32	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	22	22	21	18
		KW	1.61	1.65	1.70	1.75	1.74	1.77	1.83	1.89	1.84	1.88	1.94	2.01	1.94	1.98	2.05	2.11	2.02	2.06	2.13	2.20	2.09	2.14	2.21	2.28
		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	8.4	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.4
		HI PR	224	241	255	266	252	271	286	298	286	308	325	339	326	351	370	386	367	395	417	435	405	436	460	480
		LO PR	103	110	120	128	109	116	127	135	113	120	132	140	119	127	138	147	125	133	145	154	129	137	150	159

Shaded area is AHRI 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.

EXPANDED PERFORMANCE DATA

MODEL: G/VSZ130241B*/ AR*F182416**

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	900	MBh	22.5	23.4	25.6	-	22.0	22.8	25.0	-	21.5	22.3	24.4	-	21.0	21.7	23.8	-	19.9	20.6	22.6	-	18.4	19.1	21.0	-
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-
		∠T	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-
		KW	1.63	1.66	1.71	-	1.75	1.78	1.84	-	1.85	1.89	1.95	-	1.95	1.99	2.05	-	2.03	2.07	2.14	-	2.10	2.14	2.21	-
		AMPS	6.1	6.2	6.4	-	6.5	6.7	6.9	-	7.1	7.3	7.5	-	7.6	7.8	8.0	-	8.1	8.3	8.5	-	8.5	8.8	9.0	-
		HI PR	228	246	259	-	256	276	291	-	291	314	331	-	332	357	377	-	373	402	424	-	413	444	469	-
		LO PR	103	110	120	-	109	116	127	-	114	121	132	-	119	127	139	-	125	133	145	-	129	138	150	-
	800	MBh	21.9	22.7	24.8	-	21.4	22.2	24.3	-	20.9	21.6	23.7	-	20.4	21.1	23.1	-	19.3	20.0	22.0	-	17.9	18.6	20.3	-
		S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
		∠T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	1.62	1.65	1.70	-	1.74	1.77	1.83	-	1.84	1.88	1.94	-	1.93	1.97	2.04	-	2.01	2.05	2.12	-	2.08	2.12	2.19	-
		AMPS	6.0	6.2	6.3	-	6.5	6.6	6.9	-	7.0	7.2	7.4	-	7.5	7.7	8.0	-	8.0	8.2	8.5	-	8.5	8.7	9.0	-
		HI PR	226	243	257	-	254	273	288	-	288	310	328	-	329	354	373	-	370	398	420	-	408	440	464	-
		LO PR	102	109	119	-	108	115	126	-	112	120	131	-	118	126	137	-	124	132	144	-	128	136	149	-
	700	MBh	20.2	20.9	22.9	-	19.7	20.4	22.4	-	19.3	20.0	21.9	-	18.8	19.5	21.3	-	17.8	18.5	20.3	-	16.5	17.1	18.8	-
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-
		∠T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	1.58	1.61	1.66	-	1.69	1.73	1.78	-	1.80	1.83	1.89	-	1.89	1.93	1.99	-	1.96	2.00	2.07	-	2.03	2.07	2.14	-
		AMPS	5.9	6.0	6.2	-	6.3	6.5	6.7	-	6.8	7.0	7.2	-	7.3	7.5	7.7	-	7.8	8.0	8.2	-	8.2	8.4	8.7	-
		HI PR	219	236	249	-	246	265	280	-	280	301	318	-	319	343	362	-	359	386	407	-	396	426	450	-
		LO PR	99	106	115	-	105	112	122	-	109	116	127	-	115	122	133	-	120	128	139	-	124	132	144	-
75	900	MBh	22.92	23.60	25.54	27.41	22.39	23.05	24.95	26.78	21.85	22.50	24.36	26.14	21.32	21.95	23.76	25.50	20.25	20.85	22.57	24.23	18.76	19.32	20.91	22.44
		S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43
		∠T	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	19	15	11	19	17	14	10
		KW	1.64	1.67	1.73	1.78	1.76	1.80	1.85	1.91	1.87	1.91	1.97	2.03	1.96	2.01	2.07	2.14	2.04	2.09	2.16	2.23	2.11	2.16	2.23	2.30
		AMPS	6.1	6.3	6.5	6.7	6.6	6.8	7.0	7.2	7.2	7.3	7.6	7.9	7.7	7.8	8.1	8.4	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.5
		HI PR	231	248	262	273	259	279	294	307	294	317	334	349	335	361	381	397	377	406	429	447	417	448	474	494
		LO PR	104	111	121	129	110	117	128	137	115	122	133	142	121	128	140	149	126	134	147	156	131	139	152	162
	800	MBh	22.3	22.9	24.8	26.6	21.7	22.4	24.2	26.0	21.2	21.8	23.6	25.4	20.7	**21.3**	23.1	24.8	19.7	20.2	21.9	23.5	18.2	18.8	20.3	21.8
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	**0.80**	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
		∠T	21	19	16	11	21	19	16	11	21	19	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		KW	1.63	1.66	1.71	1.77	1.75	1.79	1.84	1.90	1.85	1.89	1.95	2.02	1.95	**1.99**	2.05	2.12	2.03	2.07	2.14	2.21	2.10	2.14	2.21	2.28
		AMPS	6.1	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	8.8	9.0	9.4
		HI PR	228	246	260	271	256	276	291	304	291	314	331	345	332	**357**	377	393	373	402	424	443	413	444	469	489
		LO PR	103	110	120	128	109	116	127	135	114	121	132	141	119	**127**	139	148	125	133	145	155	129	138	150	160
	700	MBh	20.5	21.1	22.9	24.6	20.1	20.7	22.4	24.0	19.6	20.2	21.8	23.4	19.1	19.7	21.3	22.9	18.2	18.7	20.2	21.7	16.8	17.3	18.7	20.1
		S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39
		∠T	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		KW	1.59	1.62	1.67	1.72	1.71	1.74	1.80	1.85	1.81	1.85	1.91	1.97	1.90	1.94	2.00	2.07	1.98	2.02	2.09	2.15	2.05	2.09	2.16	2.23
		AMPS	5.9	6.0	6.2	6.5	6.4	6.5	6.7	7.0	6.9	7.1	7.3	7.6	7.4	7.6	7.8	8.1	7.8	8.0	8.3	8.6	8.3	8.5	8.8	9.1
		HI PR	222	238	252	263	249	267	282	295	283	304	321	335	322	346	366	382	362	390	412	429	400	431	455	474
		LO PR	100	107	117	124	106	113	123	131	110	117	128	136	116	123	134	143	121	129	141	150	125	133	146	155

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.

EXPANDED PERFORMANCE DATA

MODEL: G/VSZ130241B*/ AR*F182416**

COOLING OPERATION

IDB	Airflow		Outdoor Ambient Temperature 65 / Entering Indoor Wet Bulb Temperature 59	63	67	71	75 / 59	63	67	71	85 / 59	63	67	71	95 / 59	63	67	71	105 / 59	63	67	71	115 / 59	63	67	71
		MBh	23.33	23.84	25.47	27.22	22.79	23.28	24.87	26.59	22.24	22.73	24.28	25.96	21.70	22.17	23.69	25.32	20.62	21.07	22.51	24.06	19.10	19.51	20.85	22.29
		S/T	0.94	0.88	0.72	0.54	1.00	0.91	0.74	0.56	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62
		∫T	22	21	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	22	19	15	20	20	18	14
	900	KW	1.65	1.69	1.74	1.79	1.78	1.81	1.87	1.93	1.88	1.92	1.98	2.05	1.98	2.02	2.09	2.15	2.06	2.11	2.17	2.24	2.13	2.18	2.25	2.32
		AMPS	6.2	6.3	6.5	6.8	6.7	6.8	7.0	7.3	7.2	7.4	7.7	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
		HI PR	233	251	265	276	261	281	297	310	297	320	338	352	339	364	385	401	381	410	433	452	421	453	478	499
		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	22.6	23.1	24.7	26.4	22.1	22.6	24.2	25.8	21.6	22.1	23.6	25.2	21.1	21.5	**23.0**	24.6	20.0	20.5	21.9	23.4	18.5	18.9	20.2	21.6
		S/T	0.90	0.84	0.68	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	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59
		∫T	23	22	19	16	24	23	20	16	24	23	20	16	24	23	**20**	16	23	22	20	16	21	21	18	15
80	800	KW	1.64	1.67	1.73	1.78	1.76	1.80	1.85	1.91	1.87	1.91	1.97	2.03	1.96	2.01	**2.07**	2.14	2.04	2.09	2.16	2.23	2.11	2.16	2.23	2.30
		AMPS	6.1	6.3	6.5	6.7	6.6	6.8	7.0	7.2	7.2	7.3	7.6	7.9	7.7	7.8	**8.1**	8.4	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.5
		HI PR	231	248	262	273	259	279	294	307	294	317	335	349	335	361	**381**	397	377	406	429	447	417	448	474	494
		LO PR	105	111	121	129	110	117	128	137	115	122	133	142	121	128	**140**	149	126	134	147	156	131	139	152	162
		MBh	20.9	21.4	22.8	24.4	20.4	20.9	22.3	23.8	19.9	20.4	21.8	23.3	19.4	19.9	21.2	22.7	18.5	18.9	20.2	21.6	17.1	17.5	18.7	20.0
		S/T	0.86	0.81	0.66	0.49	0.90	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.76	0.57
		∫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
	700	KW	1.60	1.64	1.69	1.74	1.72	1.76	1.81	1.87	1.83	1.86	1.92	1.98	1.92	1.96	2.02	2.08	1.99	2.04	2.10	2.17	2.06	2.11	2.17	2.25
		AMPS	6.0	6.1	6.3	6.5	6.4	6.6	6.8	7.0	7.0	7.1	7.4	7.6	7.4	7.6	7.9	8.2	7.9	8.1	8.4	8.7	8.4	8.6	8.9	9.2
		HI PR	224	241	254	265	251	270	285	298	286	307	324	338	325	350	370	385	366	394	416	434	404	435	459	479
		LO PR	101	108	118	125	107	114	124	132	111	118	129	138	117	124	136	145	123	130	142	152	127	135	147	157
		MBh	23.74	24.19	25.34	27.03	23.18	23.63	24.75	26.40	22.63	23.07	24.16	25.78	22.08	22.51	23.57	25.15	20.98	21.38	22.39	23.89	19.43	19.81	20.74	22.13
		S/T	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80
		∫T	24	23	22	19	24	24	22	19	23	24	22	19	23	23	23	20	21	22	22	19	20	20	21	18
	900	KW	1.67	1.70	1.75	1.81	1.79	1.83	1.88	1.94	1.90	1.94	2.00	2.07	2.00	2.04	2.10	2.17	2.08	2.12	2.19	2.26	2.15	2.20	2.27	2.34
		AMPS	6.2	6.4	6.6	6.8	6.7	6.9	7.1	7.4	7.3	7.5	7.7	8.0	7.8	8.0	8.2	8.6	8.3	8.5	8.8	9.1	8.8	9.0	9.3	9.7
		HI PR	235	253	267	279	264	284	300	313	300	323	341	356	342	368	389	405	385	414	437	456	425	457	483	504
		LO PR	107	113	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	159	133	142	155	165
		MBh	23.0	23.5	24.6	26.2	22.5	22.9	24.0	25.6	22.0	22.4	23.5	25.0	21.4	21.9	22.9	24.4	20.4	20.8	21.7	23.2	18.9	19.2	20.1	21.5
		S/T	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		∫T	25	24	23	20	25	25	23	20	25	25	23	20	25	25	24	20	23	24	23	20	22	22	22	19
85	800	KW	1.65	1.69	1.74	1.79	1.78	1.81	1.87	1.93	1.88	1.92	1.98	2.05	1.98	2.02	2.09	2.15	2.06	2.11	2.17	2.24	2.13	2.18	2.25	2.32
		AMPS	6.2	6.3	6.5	6.8	6.7	6.8	7.0	7.3	7.2	7.4	7.7	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
		HI PR	233	251	265	276	261	281	297	310	297	320	338	352	339	364	385	401	381	410	433	452	421	453	478	499
		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	21.3	21.7	22.7	24.2	20.8	21.2	22.2	23.7	20.3	20.7	21.7	23.1	19.8	20.2	21.1	22.5	18.8	19.2	20.1	21.4	17.4	17.7	18.6	19.8
		S/T	0.91	0.87	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.91	0.73
		∫T	25	25	24	20	26	25	24	21	26	25	24	21	26	25	24	21	25	25	24	20	23	23	22	19
	700	KW	1.62	1.65	1.70	1.75	1.73	1.77	1.83	1.88	1.84	1.88	1.94	2.00	1.93	1.97	2.04	2.10	2.01	2.05	2.12	2.19	2.08	2.12	2.19	2.26
		AMPS	6.0	6.1	6.3	6.6	6.5	6.6	6.9	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
		HI PR	226	243	257	268	254	273	288	301	288	310	328	342	328	353	373	389	370	398	420	438	408	439	464	484
		LO PR	102	109	119	127	108	115	126	134	112	120	131	139	118	126	137	146	124	132	144	153	128	136	149	158

Shaded area is ARI 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.

MODEL: G/VSZ130301A* / AR*F30301** EXPANDED PERFORMANCE DATA COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1173	MBh	27.4	28.4	31.1	-	26.8	27.8	30.4	-	26.1	27.1	29.7	-	25.5	26.4	29.0	-	24.2	25.1	27.5	-	22.4	23.3	25.5	-
		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	-	0.87	0.72	0.50	-	0.87	0.73	0.51	-
		DT	16	14	11	-	17	14	11	-	17	14	11	-	17	14	11	-	16	14	11	-	15	13	10	-
		KW	1.98	2.02	2.08	-	2.13	2.17	2.24	-	2.25	2.30	2.37	-	2.37	2.42	2.49	-	2.46	2.52	2.60	-	2.55	2.60	2.68	-
		AMPS	7.8	7.9	8.2	-	8.3	8.5	8.8	-	9.0	9.2	9.5	-	9.6	9.8	10.2	-	10.2	10.5	10.8	-	10.8	11.1	11.4	-
		HI PR	229	246	260	-	257	276	292	-	292	314	332	-	333	358	378	-	374	403	425	-	413	445	470	-
		LO PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	134	142	155	-
	1050	MBh	27.0	28.0	30.7	-	26.4	27.4	30.0	-	25.8	26.7	29.3	-	25.1	26.1	28.5	-	23.9	24.7	27.1	-	22.1	22.9	25.1	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		DT	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-
		KW	1.97	2.01	2.07	-	2.12	2.16	2.22	-	2.24	2.29	2.36	-	2.35	2.40	2.48	-	2.45	2.50	2.58	-	2.53	2.59	2.67	-
		AMPS	7.7	7.9	8.1	-	8.3	8.5	8.8	-	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.2	10.4	10.7	-	10.7	11.0	11.3	-
		HI PR	227	245	258	-	255	274	290	-	290	312	330	-	330	355	375	-	372	400	422	-	411	442	467	-
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
	927	MBh	25.7	26.6	29.1	-	25.1	26.0	28.5	-	24.5	25.4	27.8	-	23.9	24.7	27.1	-	22.7	23.5	25.8	-	21.0	21.8	23.9	-
		S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
		DT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		KW	1.94	1.98	2.04	-	2.08	2.13	2.19	-	2.21	2.25	2.32	-	2.32	2.37	2.44	-	2.41	2.46	2.54	-	2.49	2.54	2.62	-
		AMPS	7.6	7.8	8.0	-	8.2	8.3	8.6	-	8.8	9.0	9.3	-	9.4	9.6	9.9	-	10.0	10.2	10.5	-	10.5	10.8	11.1	-
		HI PR	223	240	253	-	250	269	284	-	284	306	323	-	324	348	368	-	364	392	414	-	402	433	457	-
		LO PR	104	111	121	-	110	117	128	-	114	121	133	-	120	128	139	-	126	134	146	-	130	138	151	-
75	1173	MBh	27.9	28.7	31.1	33.4	27.2	28.0	30.4	32.6	26.6	27.4	29.6	31.8	25.9	**26.7**	28.9	31.0	24.6	25.4	27.5	29.5	22.8	23.5	25.4	27.3
		S/T	0.86	0.77	0.59	0.38	0.90	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
		DT	19	17	14	10	19	18	14	10	19	18	14	10	19	**18**	15	10	19	17	14	10	18	16	13	9
		KW	2.00	2.04	2.10	2.16	2.14	2.19	2.25	2.33	2.27	2.32	2.39	2.47	2.39	**2.44**	2.51	2.59	2.48	2.54	2.62	2.70	2.57	2.62	2.71	2.79
		AMPS	7.8	8.0	8.2	8.5	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	**9.9**	10.3	10.6	10.3	10.5	10.9	11.3	10.9	11.2	11.5	11.9
		HI PR	231	249	263	274	259	279	295	307	295	317	335	350	336	**362**	382	398	378	407	430	448	418	449	475	495
		LO PR	108	115	125	133	114	121	132	141	118	126	138	147	124	**132**	145	154	130	139	151	161	135	144	157	167
	1050	MBh	27.5	28.3	30.6	32.9	26.8	27.6	29.9	32.1	26.2	27.0	29.2	31.3	25.6	**26.3**	28.5	30.6	24.3	25.0	27.1	29.0	22.5	23.2	25.1	26.9
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	**0.81**	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		DT	20	18	15	10	20	19	15	10	20	19	15	11	20	**19**	15	11	20	18	15	10	19	17	14	10
		KW	1.99	2.03	2.09	2.15	2.13	2.18	2.24	2.31	2.26	2.31	2.38	2.45	2.37	**2.42**	2.50	2.58	2.47	2.52	2.60	2.69	2.55	2.61	2.69	2.78
		AMPS	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.1	9.3	9.6	9.9	9.6	**9.9**	10.2	10.6	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.9
		HI PR	230	247	261	272	258	277	293	305	293	315	333	347	334	**359**	379	395	375	404	427	445	415	446	471	492
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	**131**	144	153	130	138	150	160	134	143	156	166
	927	MBh	26.1	26.9	29.1	31.2	25.5	26.3	28.4	30.5	24.9	25.6	27.7	29.8	24.3	**25.0**	27.1	29.0	23.1	23.8	25.7	27.6	21.4	22.0	23.8	25.6
		S/T	0.79	0.71	0.54	0.35	0.82	0.73	0.56	0.36	0.84	0.75	0.57	0.37	0.87	**0.78**	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40
		DT	21	19	15	11	21	19	16	11	21	19	16	11	21	**19**	16	11	21	19	16	11	19	18	15	10
		KW	1.96	2.00	2.06	2.12	2.10	2.14	2.21	2.28	2.22	2.27	2.34	2.42	2.34	**2.38**	2.46	2.54	2.43	2.48	2.56	2.64	2.51	2.56	2.65	2.73
		AMPS	7.6	7.8	8.1	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	**9.7**	10.0	10.4	10.1	10.3	10.6	11.0	10.6	10.9	11.2	11.6
		HI PR	225	242	256	267	252	272	287	299	287	309	326	340	327	**352**	372	388	368	396	418	436	406	437	462	482
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	**129**	141	150	127	135	147	157	131	140	152	162

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.

MODEL: G/VSZ130301A* / AR*F30301** EXPANDED PERFORMANCE DATA COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1173	MBh	28.4	29.0	31.0	33.1	27.7	28.3	30.3	32.4	27.1	27.7	29.5	31.6	26.4	27.0	28.8	30.8	25.1	25.6	27.4	29.3	23.2	23.7	25.4	27.1
		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	0.98	0.79	0.59	1.00	1.00	0.82	0.62	1.00	1.00	0.83	0.62
		DT	21	20	18	14	21	20	18	14	21	20	18	14	21	21	18	14	20	20	18	14	18	19	17	13
		KW	2.01	2.05	2.12	2.18	2.16	2.20	2.27	2.34	2.29	2.34	2.41	2.49	2.41	2.46	2.53	2.62	2.50	2.56	2.64	2.72	2.59	2.64	2.73	2.82
		AMPS	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	9.8	10.0	10.3	10.7	10.4	10.6	11.0	11.4	11.0	11.3	11.6	12.0
		HI PR	234	251	265	277	262	282	298	311	298	321	339	353	339	365	386	402	382	411	434	453	422	454	479	500
		LO PR	109	116	127	135	115	123	134	142	120	127	139	148	126	134	146	156	132	140	153	163	136	145	158	169
	1050	MBh	28.0	28.6	30.5	32.6	27.3	27.9	29.8	31.9	26.7	27.2	29.1	31.1	26.0	26.6	**28.4**	30.4	24.7	25.3	27.0	28.8	22.9	23.4	25.0	26.7
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	**0.76**	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
		DT	22	21	19	15	22	22	19	15	23	22	19	15	23	22	**19**	15	22	21	19	15	20	20	17	14
		KW	2.00	2.04	2.10	2.17	2.15	2.19	2.26	2.33	2.28	2.33	2.40	2.47	2.39	2.44	**2.52**	2.60	2.49	2.54	2.62	2.71	2.57	2.63	2.71	2.80
		AMPS	7.8	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	10.0	**10.3**	10.7	10.3	10.6	10.9	11.3	10.9	11.2	11.5	12.0
		HI PR	232	250	264	275	260	280	296	308	296	318	336	351	337	363	**383**	399	379	408	431	449	419	451	476	497
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	**145**	154	131	139	152	162	135	144	157	167
	927	MBh	26.6	27.1	29.0	31.0	25.9	26.5	28.3	30.3	25.3	25.9	27.7	29.6	24.7	25.3	27.0	28.8	23.5	24.0	25.6	27.4	21.7	22.2	23.7	25.4
		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	0.56	1.00	0.94	0.76	0.57
		DT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	16	23	22	19	15	22	21	18	14
		KW	1.97	2.01	2.07	2.13	2.12	2.16	2.22	2.29	2.24	2.29	2.36	2.43	2.35	2.40	2.48	2.56	2.45	2.50	2.58	2.66	2.53	2.59	2.67	2.76
		AMPS	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.8	9.6	9.8	10.1	10.5	10.2	10.4	10.7	11.1	10.7	11.0	11.3	11.8
		HI PR	227	245	258	269	255	274	290	302	290	312	330	344	330	355	375	391	372	400	422	440	411	442	467	487
		LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164
85	1173	MBh	28.9	29.4	30.8	32.9	28.2	28.8	30.1	32.1	27.5	28.1	29.4	31.4	26.9	27.4	28.7	30.6	25.5	26.0	27.2	29.1	23.6	24.1	25.2	26.9
		S/T	0.99	0.96	0.87	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	0.99	0.81
		DT	22	22	21	18	22	22	21	18	22	22	21	18	21	21	21	18	20	20	21	18	19	19	20	17
		KW	2.03	2.07	2.13	2.20	2.18	2.22	2.29	2.36	2.31	2.36	2.43	2.51	2.42	2.48	2.55	2.64	2.52	2.58	2.66	2.75	2.61	2.66	2.75	2.84
		AMPS	8.0	8.1	8.4	8.7	8.6	8.8	9.0	9.4	9.3	9.5	9.8	10.1	9.9	10.1	10.4	10.8	10.5	10.7	11.1	11.5	11.1	11.4	11.7	12.2
		HI PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	406	386	415	438	457	426	459	484	505
		LO PR	110	117	128	136	116	124	135	144	121	129	140	150	127	135	147	157	133	142	155	165	138	146	160	170
	1050	MBh	28.5	29.0	30.4	32.4	27.8	28.3	29.7	31.7	27.1	27.7	29.0	30.9	26.5	27.0	28.3	30.1	25.1	25.6	26.8	28.6	23.3	23.7	24.9	26.5
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77
		DT	24	23	22	19	24	24	22	19	24	24	22	19	23	24	22	19	22	22	22	19	20	21	21	18
		KW	2.02	2.06	2.12	2.19	2.17	2.21	2.28	2.35	2.30	2.34	2.42	2.49	2.41	2.46	2.54	2.62	2.51	2.56	2.64	2.73	2.59	2.65	2.74	2.82
		AMPS	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	9.8	10.1	10.4	10.7	10.4	10.7	11.0	11.4	11.0	11.3	11.6	12.1
		HI PR	234	252	266	278	263	283	299	311	299	322	340	354	340	366	387	403	383	412	435	454	423	455	481	502
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	927	MBh	27.0	27.6	28.9	30.8	26.4	26.9	28.2	30.1	25.8	26.3	27.5	29.4	25.1	25.6	26.8	28.6	23.9	24.4	25.5	27.2	22.1	22.6	23.6	25.2
		S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.97	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
		DT	24	24	23	20	25	24	23	20	25	24	23	20	25	25	23	20	24	24	23	20	22	22	21	18
		KW	1.99	2.03	2.09	2.15	2.13	2.18	2.24	2.31	2.26	2.31	2.38	2.45	2.37	2.42	2.50	2.58	2.47	2.52	2.60	2.69	2.55	2.61	2.69	2.78
		AMPS	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	9.1	9.3	9.6	9.9	9.6	9.9	10.2	10.6	10.2	10.5	10.8	11.2	10.8	11.1	11.4	11.9
		HI PR	230	247	261	272	258	277	293	305	293	315	333	347	334	359	379	395	375	404	426	445	415	446	471	491
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166

Shaded area is AHRI 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.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1425	MBh	33.8	35.0	38.4	-	33.0	34.2	37.5	-	32.2	33.4	36.6	-	31.4	32.6	35.7	-	29.9	31.0	33.9	-	27.7	28.7	31.4	-
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
		DT	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	15	13	10	-
		KW	2.60	2.65	2.73	-	2.79	2.84	2.92	-	2.95	3.01	3.10	-	3.09	3.15	3.25	-	3.21	3.28	3.38	-	3.32	3.38	3.49	-
		AMPS	9.4	9.7	10.0	-	10.2	10.4	10.7	-	11.0	11.3	11.7	-	11.8	12.0	12.4	-	12.5	12.8	13.2	-	13.2	13.6	14.0	-
		HI PR	239	257	272	-	268	289	305	-	305	328	347	-	347	374	395	-	391	421	444	-	432	465	491	-
		LO PR	108	114	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	138	151	-	134	143	156	-
	1275	MBh	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.1	-	31.0	32.1	35.2	-	29.4	30.5	33.4	-	27.3	28.3	31.0	-
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-
		DT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-
		KW	2.59	2.64	2.72	-	2.77	2.83	2.91	-	2.93	2.99	3.08	-	3.07	3.14	3.23	-	3.19	3.26	3.36	-	3.30	3.37	3.47	-
		AMPS	9.4	9.6	9.9	-	10.1	10.3	10.7	-	11.0	11.2	11.6	-	11.7	12.0	12.4	-	12.4	12.7	13.1	-	13.2	13.5	13.9	-
		HI PR	237	255	270	-	266	287	303	-	303	326	344	-	345	371	392	-	388	418	441	-	429	461	487	-
		LO PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	134	142	155	-
	1125	MBh	31.6	32.8	35.9	-	30.9	32.0	35.1	-	30.2	31.3	34.3	-	29.4	30.5	33.4	-	28.0	29.0	31.7	-	25.9	26.8	29.4	-
		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	0.65	0.45	-	0.78	0.65	0.45	-
		DT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	16	14	11	-
		KW	2.55	2.60	2.68	-	2.73	2.78	2.87	-	2.89	2.95	3.03	-	3.03	3.09	3.18	-	3.14	3.21	3.31	-	3.25	3.31	3.42	-
		AMPS	9.2	9.4	9.7	-	9.9	10.2	10.5	-	10.8	11.0	11.4	-	11.5	11.8	12.1	-	12.2	12.5	12.9	-	12.9	13.2	13.7	-
		HI PR	233	250	264	-	261	281	297	-	297	319	337	-	338	364	384	-	380	409	432	-	420	452	478	-
		LO PR	105	111	122	-	111	118	128	-	115	122	133	-	121	128	140	-	127	135	147	-	131	139	152	-
75	1425	MBh	34.4	35.4	38.3	41.1	33.6	34.6	37.4	40.2	32.8	33.7	36.5	39.2	32.0	**32.9**	35.6	38.2	30.4	31.3	33.8	36.3	28.1	29.0	31.4	33.7
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.61	0.39	0.92	**0.83**	0.62	0.40	0.96	0.86	0.65	0.42	0.97	0.86	0.65	0.42
		DT	19	17	14	10	19	17	14	10	19	17	14	10	19	**18**	14	10	19	17	14	10	18	16	13	9
		KW	2.62	2.67	2.75	2.83	2.81	2.86	2.95	3.04	2.97	3.03	3.12	3.22	3.11	**3.18**	3.28	3.38	3.24	3.30	3.41	3.51	3.34	3.41	3.52	3.63
		AMPS	9.5	9.7	10.0	10.4	10.3	10.5	10.8	11.2	11.1	11.4	11.8	12.2	11.9	**12.2**	12.6	13.0	12.6	12.9	13.3	13.8	13.4	13.7	14.1	14.7
		HI PR	241	260	274	286	271	292	308	321	308	332	350	365	351	**378**	399	416	395	425	449	468	436	469	496	517
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	**133**	146	155	131	140	153	162	136	145	158	168
	1275	MBh	33.9	34.9	37.7	40.5	33.1	34.1	36.9	39.6	32.3	33.2	36.0	38.6	31.5	**32.4**	35.1	37.7	29.9	30.8	33.3	35.8	27.7	28.5	30.9	33.2
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	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	0.93	0.83	0.63	0.40
		DT	20	18	15	10	20	18	15	10	20	18	15	10	20	**18**	15	10	20	18	15	10	18	17	14	10
		KW	2.61	2.66	2.74	2.82	2.79	2.85	2.93	3.02	2.95	3.01	3.10	3.20	3.10	**3.16**	3.26	3.36	3.22	3.29	3.39	3.49	3.32	3.39	3.50	3.61
		AMPS	9.5	9.7	10.0	10.3	10.2	10.4	10.8	11.2	11.1	11.3	11.7	12.1	11.8	**12.1**	12.5	12.9	12.5	12.8	13.3	13.8	13.3	13.6	14.0	14.6
		HI PR	240	258	272	284	269	290	306	319	306	329	348	363	348	**375**	396	413	392	422	446	465	433	466	492	513
		LO PR	108	115	125	133	114	121	132	141	118	126	138	147	124	**132**	145	154	130	139	151	161	135	144	157	167
	1125	MBh	32.2	33.1	35.9	38.5	31.4	32.4	35.0	37.6	30.7	31.6	34.2	36.7	29.9	**30.8**	33.3	35.8	28.4	29.3	31.7	34.0	26.3	27.1	29.3	31.5
		S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.73	0.56	0.36	0.85	**0.76**	0.57	0.37	0.88	0.79	0.59	0.38	0.89	0.79	0.60	0.39
		DT	20	19	15	11	21	19	15	11	21	19	16	11	21	**19**	16	11	20	19	15	11	19	18	14	10
		KW	2.57	2.62	2.70	2.77	2.75	2.81	2.89	2.97	2.91	2.97	3.06	3.15	3.05	**3.11**	3.21	3.31	3.17	3.23	3.33	3.44	3.27	3.34	3.44	3.55
		AMPS	9.3	9.5	9.8	10.2	10.0	10.3	10.6	11.0	10.9	11.1	11.5	11.9	11.6	**11.9**	12.3	12.7	12.3	12.6	13.0	13.5	13.0	13.3	13.8	14.3
		HI PR	235	253	267	278	264	284	300	312	300	323	341	355	342	**368**	388	405	384	413	437	455	424	457	482	503
		LO PR	106	112	123	131	112	119	130	138	116	124	135	144	122	**130**	142	151	128	136	148	158	132	141	154	164

Shaded area is ACCA (TVA) conditions IDB: Entering Indoor Dry Bulb Temperature KW=Total system pow er AMPS=outdoor unit amps (comp.+fan

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

MODEL: G/VSZ130361A* / AR*F364216**

EXPANDED PERFORMANCE DATA

COOLING OPERATION

IDB*	Airflow		Outdoor Ambient Temperature 65 / Entering Indoor Wet Bulb Temperature 59	63	67	71	75 / 59	63	67	71	85 / 59	63	67	71	95 / 59	63	67	71	105 / 59	63	67	71	115 / 59	63	67	71
80	1425	MBh	34.98	35.75	38.19	40.82	34.17	34.91	37.30	39.88	33.35	34.08	36.41	38.93	32.54	33.25	35.53	37.98	30.91	31.59	33.75	36.08	28.64	29.26	31.26	33.42
		S/T	0.92	0.87	0.70	0.53	0.96	0.90	0.73	0.55	0.98	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.81	0.60
		DT	21	20	17	14	21	20	18	14	21	20	18	14	21	20	18	14	20	20	17	14	18	19	16	13
		KW	2.64	2.69	2.77	2.85	2.83	2.88	2.97	3.06	2.99	3.05	3.15	3.24	3.14	3.20	3.30	3.40	3.26	3.33	3.43	3.54	3.37	3.44	3.55	3.66
		AMPS	9.6	9.8	10.1	10.5	10.4	10.6	10.9	11.3	11.2	11.5	11.9	12.3	12.0	12.3	12.7	13.1	12.7	13.0	13.5	14.0	13.5	13.8	14.3	14.8
		HI PR	244	262	277	289	274	294	311	324	311	335	354	369	354	381	403	420	399	429	453	473	441	474	501	522
		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
	1275	MBh	34.5	35.2	37.6	40.2	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	**35.0**	37.4	30.5	31.1	33.3	35.5	28.2	28.8	30.8	32.9
		S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	**0.74**	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58
		DT	22	21	18	15	22	21	19	15	22	21	19	15	22	21	**19**	15	22	21	18	15	20	20	17	14
		KW	2.63	2.68	2.76	2.84	2.81	2.87	2.95	3.04	2.98	3.04	3.13	3.23	3.12	3.19	**3.28**	3.39	3.24	3.31	3.41	3.52	3.35	3.42	3.53	3.64
		AMPS	9.5	9.8	10.1	10.4	10.3	10.5	10.9	11.3	11.2	11.4	11.8	12.2	11.9	12.2	**12.6**	13.1	12.7	13.0	13.4	13.9	13.4	13.7	14.2	14.7
		HI PR	242	261	275	287	272	292	309	322	309	333	351	366	352	379	**400**	417	396	426	450	469	438	471	497	519
		LO PR	109	116	127	135	115	123	134	142	120	127	139	148	126	134	**146**	155	132	140	153	163	136	145	158	169
	1125	MBh	32.7	33.5	35.7	38.2	32.0	32.7	34.9	37.3	31.2	31.9	34.1	36.4	30.5	31.1	33.3	35.5	28.9	29.6	31.6	33.8	26.8	27.4	29.3	31.3
		S/T	0.85	0.79	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.74	0.55	0.97	0.91	0.74	0.55
		DT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	18	14
		KW	2.59	2.64	2.72	2.80	2.77	2.83	2.91	3.00	2.93	2.99	3.08	3.18	3.07	3.14	3.23	3.33	3.19	3.26	3.36	3.47	3.30	3.37	3.47	3.58
		AMPS	9.4	9.6	9.9	10.3	10.1	10.3	10.7	11.1	11.0	11.2	11.6	12.0	11.7	12.0	12.4	12.8	12.4	12.7	13.1	13.6	13.2	13.5	13.9	14.4
		HI PR	237	255	270	281	266	287	303	316	303	326	344	359	345	371	392	409	388	418	441	460	429	461	487	508
		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	1425	MBh	35.59	36.28	38.00	40.54	34.76	35.44	37.11	39.60	33.94	34.59	36.23	38.65	33.11	33.75	35.35	37.71	31.45	32.06	33.58	35.82	29.14	29.70	31.11	33.19
		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	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.78
		DT	22	22	21	18	22	22	21	18	22	22	21	18	21	22	21	18	20	21	21	18	19	19	19	17
		KW	2.66	2.71	2.79	2.87	2.85	2.91	2.99	3.08	3.02	3.08	3.17	3.27	3.16	3.23	3.33	3.43	3.29	3.36	3.46	3.57	3.39	3.47	3.57	3.69
		AMPS	9.7	9.9	10.2	10.6	10.4	10.7	11.0	11.4	11.3	11.6	12.0	12.4	12.1	12.4	12.8	13.3	12.9	13.2	13.6	14.1	13.6	13.9	14.4	14.9
		HI PR	246	265	280	292	276	297	314	328	314	338	357	373	358	385	407	424	403	433	458	477	445	479	506	527
		LO PR	111	118	129	137	117	125	136	145	122	129	141	151	128	136	148	158	134	143	156	166	139	147	161	171
	1275	MBh	35.1	35.7	37.4	39.9	34.3	34.9	36.6	39.0	33.4	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.6	32.7
		S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	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
		DT	23	23	22	19	24	23	22	19	24	23	22	19	24	24	22	19	22	23	22	19	21	21	20	18
		KW	2.65	2.70	2.78	2.86	2.83	2.89	2.98	3.07	3.00	3.06	3.15	3.25	3.15	3.21	3.31	3.41	3.27	3.34	3.44	3.55	3.38	3.45	3.56	3.67
		AMPS	9.6	9.9	10.2	10.5	10.4	10.6	11.0	11.4	11.3	11.5	11.9	12.3	12.0	12.3	12.7	13.2	12.8	13.1	13.5	14.0	13.5	13.8	14.3	14.8
		HI PR	245	263	278	290	274	295	312	325	312	336	355	370	356	383	404	421	400	430	455	474	442	476	502	524
		LO PR	110	117	128	136	116	124	135	144	121	129	140	150	127	135	147	157	133	142	155	165	138	146	160	170
	1125	MBh	33.3	34.0	35.6	37.9	32.5	33.2	34.7	37.1	31.8	32.4	33.9	36.2	31.0	31.6	33.1	35.3	29.4	30.0	31.4	33.5	27.3	27.8	29.1	31.1
		S/T	0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	0.98	0.89	0.72
		DT	24	24	22	19	24	24	23	20	24	24	23	20	25	24	23	20	24	24	23	20	22	22	21	18
		KW	2.61	2.66	2.74	2.82	2.79	2.85	2.93	3.02	2.95	3.01	3.10	3.20	3.10	3.16	3.26	3.36	3.22	3.28	3.39	3.49	3.32	3.39	3.50	3.61
		AMPS	9.5	9.7	10.0	10.3	10.2	10.4	10.8	11.2	11.1	11.3	11.7	12.1	11.8	12.1	12.5	12.9	12.5	12.8	13.3	13.8	13.3	13.6	14.0	14.6
		HI PR	240	258	272	284	269	289	306	319	306	329	348	363	348	375	396	413	392	422	445	465	433	466	492	513
		LO PR	108	115	125	133	114	121	132	141	118	126	138	147	124	132	145	154	130	139	151	161	135	143	157	167

Shaded area is AHRI 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.

EXPANDED PERFORMANCE DATA

MODEL: G/VSZ130361B* / AR*F364216**

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1350	MBh	34.3	35.5	38.9	-	33.5	34.7	38.0	-	32.7	33.9	37.1	-	31.9	33.1	36.2	-	30.3	31.4	34.4	-	28.1	29.1	31.9	-
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-
		ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		KW	2.49	2.54	2.62	-	2.68	2.74	2.82	-	2.84	2.91	3.00	-	2.99	3.06	3.16	-	3.12	3.18	3.29	-	3.22	3.30	3.40	-
		AMPS	8.6	8.8	9.1	-	9.3	9.5	9.8	-	10.1	10.3	10.7	-	10.8	11.0	11.4	-	11.5	11.7	12.1	-	12.1	12.4	12.8	-
		HI PR	238	256	270	-	267	287	303	-	304	327	345	-	346	372	393	-	389	419	442	-	430	463	488	-
		LO PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-
	1200	MBh	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.1	-	31.0	32.1	35.2	-	29.4	30.5	33.4	-	27.3	28.3	31.0	-
		S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
		ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	2.47	2.52	2.60	-	2.66	2.71	2.80	-	2.82	2.88	2.97	-	2.97	3.03	3.13	-	3.09	3.16	3.26	-	3.20	3.27	3.38	-
		AMPS	8.5	8.7	9.0	-	9.2	9.4	9.7	-	10.0	10.2	10.6	-	10.7	10.9	11.3	-	11.3	11.6	12.0	-	12.0	12.3	12.7	-
		HI PR	236	253	268	-	264	284	300	-	301	323	342	-	342	368	389	-	385	414	438	-	426	458	484	-
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
	1050	MBh	30.7	31.9	34.9	-	30.0	31.1	34.1	-	29.3	30.4	33.3	-	28.6	29.6	32.5	-	27.2	28.2	30.8	-	25.2	26.1	28.6	-
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	15	12	-
		KW	2.41	2.46	2.54	-	2.59	2.65	2.73	-	2.75	2.81	2.90	-	2.89	2.96	3.05	-	3.01	3.08	3.18	-	3.12	3.19	3.29	-
		AMPS	8.3	8.5	8.8	-	9.0	9.2	9.5	-	9.7	10.0	10.3	-	10.4	10.6	11.0	-	11.0	11.3	11.7	-	11.7	12.0	12.4	-
		HI PR	228	246	260	-	256	276	291	-	292	314	331	-	332	357	377	-	374	402	425	-	413	444	469	-
		LO PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-
75	1350	MBh	34.88	35.91	38.87	41.72	34.07	35.08	37.97	40.75	33.26	34.24	37.06	39.78	32.45	33.41	36.16	38.81	30.82	31.74	34.35	36.87	28.55	29.40	31.82	34.15
		S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43
		ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	20	19	15	11	19	18	14	10
		KW	2.51	2.56	2.64	2.73	2.70	2.76	2.84	2.94	2.87	2.93	3.02	3.12	3.02	3.08	3.18	3.29	3.14	3.21	3.32	3.43	3.25	3.32	3.43	3.55
		AMPS	8.7	8.9	9.2	9.5	9.4	9.6	9.9	10.3	10.2	10.4	10.8	11.2	10.9	11.1	11.5	11.9	11.6	11.8	12.2	12.7	12.2	12.5	13.0	13.4
		HI PR	240	259	273	285	270	290	306	320	307	330	349	364	349	376	397	414	393	423	447	466	434	467	493	515
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
	1200	MBh	33.9	34.9	37.7	40.5	33.1	34.1	36.9	39.6	32.3	33.2	36.0	38.6	31.5	**32.4**	35.1	37.7	29.9	30.8	33.3	35.8	27.7	28.5	30.9	33.2
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	**0.80**	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
		ΔT	21	20	16	11	21	20	16	11	21	20	16	11	22	**20**	16	11	21	20	16	11	20	18	15	10
		KW	2.49	2.54	2.62	2.70	2.68	2.74	2.82	2.91	2.85	2.91	3.00	3.10	2.99	**3.06**	3.16	3.26	3.12	3.19	3.29	3.40	3.22	3.30	3.40	3.52
		AMPS	8.6	8.8	9.1	9.4	9.3	9.5	9.8	10.2	10.1	10.3	10.7	11.1	10.8	**11.0**	11.4	11.8	11.5	11.7	12.1	12.6	12.1	12.4	12.8	13.3
		HI PR	238	256	270	282	267	287	303	316	304	327	345	360	346	**372**	393	410	389	419	442	461	430	463	489	510
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	**131**	144	153	130	138	150	160	134	143	156	166
	1050	MBh	31.3	32.2	34.8	37.4	30.5	31.4	34.0	36.5	29.8	30.7	33.2	35.6	29.1	29.9	32.4	34.8	27.6	28.4	30.8	33.0	25.6	26.3	28.5	30.6
		S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39
		ΔT	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	2.43	2.48	2.56	2.64	2.61	2.67	2.75	2.84	2.78	2.84	2.93	3.02	2.92	2.98	3.08	3.18	3.04	3.11	3.21	3.31	3.14	3.21	3.32	3.43
		AMPS	8.4	8.6	8.9	9.2	9.0	9.3	9.6	9.9	9.8	10.0	10.4	10.8	10.5	10.7	11.1	11.5	11.1	11.4	11.8	12.2	11.8	12.1	12.5	13.0
		HI PR	231	248	262	274	259	279	294	307	295	317	335	349	335	361	381	398	377	406	429	447	417	449	474	494
		LO PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161

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.

EXPANDED PERFORMANCE DATA

MODEL: G/VSZ130361B* / AR*F364216**

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1350	MBh	35.50	36.27	38.75	41.43	34.67	35.43	37.85	40.46	33.85	34.59	36.95	39.50	33.02	33.74	36.05	38.54	31.37	32.06	34.25	36.61	29.06	29.69	31.72	33.91
		S/T	0.94	0.88	0.72	0.54	1.00	0.91	0.74	0.56	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62
		TX	23	22	19	15	24	22	19	15	23	22	19	15	22	22	19	15	21	22	19	15	20	20	18	14
		KW	2.53	2.58	2.66	2.75	2.72	2.78	2.87	2.96	2.89	2.95	3.05	3.15	3.04	3.11	3.21	3.32	3.17	3.24	3.35	3.46	3.28	3.35	3.46	3.58
		AMPS	8.8	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.3	10.5	10.9	11.3	11.0	11.2	11.6	12.0	11.7	12.0	12.3	12.8	12.4	12.7	13.1	13.6
		HI PR	243	261	276	288	272	293	310	323	310	333	352	367	353	380	401	418	397	427	451	470	439	472	498	520
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1200	MBh	34.5	35.2	37.6	40.2	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	**35.0**	37.4	30.5	31.1	33.3	35.5	28.2	28.8	30.8	32.9
		S/T	0.90	0.84	0.68	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	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59
		TX	24	23	20	16	24	23	20	16	24	23	20	16	24	23	**20**	16	23	23	20	16	22	21	19	15
		KW	2.51	2.56	2.64	2.73	2.70	2.76	2.85	2.94	2.87	2.93	3.02	3.12	3.02	3.08	**3.18**	3.29	3.14	3.21	3.32	3.43	3.25	3.32	3.43	3.55
		AMPS	8.7	8.9	9.2	9.5	9.4	9.6	9.9	10.3	10.2	10.4	10.8	11.2	10.9	11.1	**11.5**	11.9	11.6	11.8	12.2	12.7	12.2	12.5	13.0	13.4
		HI PR	240	259	273	285	270	290	306	320	307	330	349	364	349	376	**397**	414	393	423	447	466	434	467	493	515
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	**145**	154	131	139	152	162	135	144	157	167
	1050	MBh	31.8	32.5	34.7	37.1	31.1	31.7	33.9	36.3	30.3	31.0	33.1	35.4	29.6	30.2	32.3	34.5	28.1	28.7	30.7	32.8	26.0	26.6	28.4	30.4
		S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.76	0.57
		TX	24	23	20	16	24	23	20	16	24	23	20	16	25	24	20	16	24	23	20	16	23	22	19	15
		KW	2.45	2.50	2.58	2.66	2.64	2.69	2.78	2.87	2.80	2.86	2.95	3.05	2.94	3.01	3.10	3.21	3.06	3.13	3.23	3.34	3.17	3.24	3.35	3.46
		AMPS	8.5	8.7	8.9	9.3	9.1	9.3	9.6	10.0	9.9	10.1	10.5	10.9	10.6	10.8	11.2	11.6	11.2	11.5	11.9	12.3	11.9	12.2	12.6	13.1
		HI PR	233	251	265	276	262	282	297	310	298	320	338	353	339	365	385	402	381	410	433	452	421	453	479	499
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162
85	1350	MBh	36.12	36.82	38.56	41.14	35.28	35.96	37.66	40.18	34.44	35.11	36.77	39.22	33.60	34.25	35.87	38.27	31.92	32.54	34.08	36.35	29.57	30.14	31.57	33.68
		S/T	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80
		TX	24	24	23	19	24	24	23	20	23	24	23	20	23	23	23	20	22	22	23	20	20	21	21	18
		KW	2.55	2.60	2.68	2.77	2.74	2.80	2.89	2.99	2.91	2.98	3.07	3.18	3.07	3.13	3.24	3.34	3.20	3.27	3.37	3.49	3.31	3.38	3.49	3.61
		AMPS	8.8	9.1	9.3	9.7	9.5	9.8	10.1	10.5	10.4	10.6	11.0	11.4	11.1	11.3	11.7	12.2	11.8	12.1	12.5	12.9	12.5	12.8	13.2	13.7
		HI PR	245	264	279	291	275	296	313	326	313	337	356	371	356	384	405	422	401	431	456	475	443	477	503	525
		LO PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171
	1200	MBh	35.1	35.7	37.4	39.9	34.3	34.9	36.6	39.0	33.4	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.6	32.7
		S/T	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		TX	25	25	23	20	26	25	24	21	26	25	24	21	25	25	24	21	24	24	24	20	22	22	22	19
		KW	2.53	2.58	2.66	2.75	2.72	2.78	2.87	2.96	2.89	2.95	3.05	3.15	3.04	3.11	3.21	3.32	3.17	3.24	3.35	3.46	3.28	3.35	3.46	3.58
		AMPS	8.8	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.3	10.5	10.9	11.3	11.0	11.2	11.6	12.0	11.7	12.0	12.3	12.8	12.4	12.7	13.1	13.6
		HI PR	243	261	276	288	272	293	310	323	310	333	352	367	353	380	401	418	397	427	451	470	439	472	498	520
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1050	MBh	32.4	33.0	34.6	36.9	31.6	32.2	33.8	36.0	30.9	31.5	32.9	35.1	30.1	30.7	32.1	34.3	28.6	29.2	30.5	32.6	26.5	27.0	28.3	30.2
		S/T	0.91	0.87	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.91	0.73
		TX	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	25	25	24	21	23	24	22	19
		KW	2.47	2.52	2.60	2.68	2.66	2.71	2.80	2.89	2.82	2.88	2.97	3.07	2.97	3.03	3.13	3.23	3.09	3.16	3.26	3.37	3.20	3.27	3.38	3.49
		AMPS	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	10.0	10.2	10.6	11.0	10.7	10.9	11.3	11.7	11.3	11.6	12.0	12.5	12.0	12.3	12.7	13.2
		HI PR	235	253	268	279	264	284	300	313	301	323	341	356	342	368	389	406	385	414	438	456	425	458	483	504
		LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164

Shaded area is ARI 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.

EXPANDED PERFORMANCE DATA

MODEL: GSZ130363A* / AR*F364216**

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1425	MBh	33.8	35.0	38.4	-	33.0	34.2	37.5	-	32.2	33.4	36.6	-	31.4	32.6	35.7	-	29.9	31.0	33.9	-	27.7	28.7	31.4	-
		S/T	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.80	0.67	0.47	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.87	0.73	0.50	-
		DT	17	14	11	-	17	14	11	-	17	14	11	-	17	15	11	-	17	14	11	-	16	13	10	-
		KW	2.52	2.57	2.65	-	2.70	2.76	2.84	-	2.86	2.92	3.01	-	3.01	3.07	3.17	-	3.13	3.19	3.30	-	3.23	3.30	3.41	-
		AMPS	6.6	6.8	7.0	-	7.1	7.3	7.5	-	7.7	7.9	8.1	-	8.2	8.4	8.6	-	8.7	8.9	9.2	-	9.2	9.4	9.7	-
		HI PR	238	256	270	-	267	287	303	-	303	327	345	-	346	372	393	-	389	418	442	-	430	462	488	-
		LO PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	134	142	155	-
	1275	MBh	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.1	-	31.0	32.1	35.2	-	29.4	30.5	33.4	-	27.3	28.3	31.0	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.80	0.66	0.46	-	0.83	0.69	0.48	-	0.83	0.70	0.48	-
		DT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
		KW	2.51	2.56	2.63	-	2.69	2.74	2.83	-	2.85	2.91	3.00	-	2.99	3.05	3.15	-	3.11	3.18	3.28	-	3.21	3.28	3.39	-
		AMPS	6.6	6.8	7.0	-	7.1	7.3	7.5	-	7.7	7.8	8.1	-	8.1	8.3	8.6	-	8.6	8.8	9.1	-	9.1	9.3	9.6	-
		HI PR	236	254	268	-	265	285	301	-	301	324	342	-	343	369	390	-	386	416	439	-	427	459	485	-
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
	1125	MBh	31.6	32.8	35.9	-	30.9	32.0	35.1	-	30.2	31.3	34.3	-	29.4	30.5	33.4	-	28.0	29.0	31.7	-	25.9	26.8	29.4	-
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
		DT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	2.47	2.52	2.59	-	2.65	2.70	2.78	-	2.81	2.86	2.95	-	2.94	3.01	3.10	-	3.06	3.13	3.22	-	3.16	3.23	3.33	-
		AMPS	6.5	6.6	6.8	-	7.0	7.1	7.3	-	7.5	7.7	7.9	-	8.0	8.2	8.4	-	8.5	8.7	8.9	-	9.0	9.2	9.4	-
		HI PR	231	249	263	-	260	279	295	-	295	318	336	-	336	362	382	-	378	407	430	-	418	450	475	-
		LO PR	104	111	121	-	110	117	128	-	114	121	133	-	120	128	139	-	126	134	146	-	130	138	151	-
75	1425	MBh	34.37	35.39	38.30	41.11	33.57	34.56	37.41	40.15	32.77	33.74	36.52	39.20	31.97	**32.92**	35.63	38.24	30.37	31.27	33.85	36.33	28.14	28.97	31.36	33.65
		S/T	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.91	0.82	0.62	0.40	0.94	**0.84**	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.88	0.67	0.43
		DT	19	18	14	10	19	18	15	10	19	18	15	10	19	18	15	10	19	18	14	10	18	17	14	9.3
		KW	2.54	2.59	2.67	2.7	2.72	2.78	2.87	3.0	2.89	2.95	3.04	3.1	3.03	3.10	3.19	3.3	3.15	3.22	3.32	3.4	3.26	3.33	3.43	3.5
		AMPS	6.7	6.9	7.1	7.3	7.2	7.4	7.6	7.8	7.8	7.9	8.2	8.5	8.3	8.5	8.7	9.0	8.8	9.0	9.2	9.6	9.2	9.5	9.8	10.1
		HI PR	240	259	273	284.7	270	290	306	319.5	307	330	348	363.4	349	376	397	413.8	393	423	446	465.6	434	467	493	514.4
		LO PR	108	115	125	133.5	114	121	132	141.0	118	126	138	146.6	124	132	145	154.0	130	139	151	161.3	135	144	157	166.9
	1275	MBh	33.9	34.9	37.7	40.5	33.1	34.1	36.9	39.6	32.3	33.2	36.0	38.6	31.5	32.4	35.1	37.7	29.9	30.8	33.3	35.8	27.7	28.5	30.9	33.2
		S/T	0.82	0.74	0.56	0.4	0.85	0.76	0.58	0.4	0.88	0.78	0.59	0.4	0.90	0.81	0.61	0.4	0.94	0.84	0.64	0.4	0.95	0.85	0.64	0.4
		DT	20	19	15	10	20	19	15	11	20	19	15	11	21	19	15	11	20	19	15	11	19	17	14	9.9
		KW	2.53	2.58	2.65	2.7	2.71	2.77	2.85	2.9	2.87	2.93	3.02	3.1	3.01	3.08	3.17	3.3	3.14	3.20	3.30	3.4	3.24	3.31	3.42	3.5
		AMPS	6.7	6.8	7.0	7.3	7.2	7.3	7.5	7.8	7.7	7.9	8.1	8.4	8.2	8.4	8.7	9.0	8.7	8.9	9.2	9.5	9.2	9.4	9.7	10.1
		HI PR	239	257	271	282.7	268	288	304	317.3	304	328	346	360.8	347	373	394	411.0	390	420	443	462.3	431	464	490	510.8
		LO PR	107	114	124	132.5	113	120	131	140.0	118	125	137	145.5	124	131	144	152.9	130	138	150	160.2	134	143	156	165.7
	1125	MBh	32.2	33.1	35.9	38.5	31.4	32.4	35.0	37.6	30.7	31.6	34.2	36.7	29.9	30.8	33.3	35.8	28.4	29.3	31.7	34.0	26.3	27.1	29.3	31.5
		S/T	0.79	0.71	0.53	0.3	0.82	0.73	0.55	0.4	0.84	0.75	0.57	0.4	0.87	0.77	0.59	0.4	0.90	0.80	0.61	0.4	0.91	0.81	0.61	0.4
		DT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10.2
		KW	2.49	2.54	2.61	2.7	2.67	2.72	2.81	2.9	2.83	2.89	2.97	3.1	2.97	3.03	3.12	3.2	3.09	3.15	3.25	3.4	3.19	3.26	3.36	3.5
		AMPS	6.6	6.7	6.9	7.1	7.0	7.2	7.4	7.7	7.6	7.8	8.0	8.3	8.1	8.3	8.5	8.8	8.6	8.8	9.0	9.3	9.0	9.2	9.5	9.9
		HI PR	234	252	266	277.1	262	282	298	310.9	298	321	339	353.6	340	366	386	402.7	382	411	434	453.1	422	455	480	500.6
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162

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.

EXPANDED PERFORMANCE DATA

MODEL: GSZ130363A* / AR*F364216**

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1425	MBh	34.98	35.75	38.19	40.82	34.17	34.91	37.30	39.88	33.35	34.08	36.41	38.93	32.54	33.25	35.53	37.98	30.91	31.59	33.75	36.08	28.64	29.26	31.26	33.42
		S/T	0.94	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
		DT	21	20	18	14	22	21	18	14	22	21	18	14	21	21	18	14	20	20	18	14	18	19	17	13.3
		KW	2.56	2.61	2.69	2.8	2.75	2.80	2.89	3.0	2.91	2.97	3.06	3.2	3.06	3.12	3.22	3.3	3.18	3.25	3.35	3.5	3.29	3.36	3.46	3.6
		AMPS	6.8	6.9	7.1	7.4	7.3	7.4	7.6	7.9	7.8	8.0	8.3	8.6	8.3	8.5	8.8	9.1	8.8	9.0	9.3	9.7	9.3	9.5	9.8	10.2
		HI PR	243	261	276	287.6	272	293	309	322.7	310	333	352	367.0	353	380	401	418.0	397	427	451	470.3	438	472	498	519.6
		LO PR	109	116	127	134.8	115	123	134	142.4	120	127	139	148.0	126	134	146	155.5	132	140	153	163.0	136	145	158	168.6
	1275	MBh	34.5	35.2	37.6	40.2	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	35.0	37.4	30.5	31.1	33.3	35.5	28.2	28.8	30.8	32.9
		S/T	0.90	0.85	0.69	0.5	0.94	0.88	0.72	0.5	0.96	0.90	0.73	0.5	0.99	0.93	0.76	0.6	1.00	0.97	0.79	0.6	1.00	0.97	0.79	0.6
		DT	22	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	20	20	18	14.1
		KW	2.55	2.60	2.67	2.8	2.73	2.79	2.87	3.0	2.89	2.95	3.05	3.1	3.04	3.10	3.20	3.3	3.16	3.23	3.33	3.4	3.27	3.34	3.44	3.6
		AMPS	6.7	6.9	7.1	7.3	7.2	7.4	7.6	7.9	7.8	8.0	8.2	8.5	8.3	8.5	8.7	9.0	8.8	9.0	9.3	9.6	9.3	9.5	9.8	10.1
		HI PR	241	259	274	285.6	270	291	307	320.5	308	331	349	364.5	350	377	398	415.1	394	424	448	467.0	435	468	495	516.0
		LO PR	108	115	126	133.9	114	122	133	141.5	119	126	138	147.0	125	133	145	154.4	131	139	152	161.8	135	144	157	167.4
	1125	MBh	32.7	33.5	35.7	38.2	32.0	32.7	34.9	37.3	31.2	31.9	34.1	36.4	30.5	31.1	33.3	35.5	28.9	29.6	31.6	33.8	26.8	27.4	29.3	31.3
		S/T	0.87	0.81	0.66	0.5	0.90	0.84	0.69	0.5	0.92	0.86	0.70	0.5	0.95	0.89	0.73	0.5	0.99	0.92	0.75	0.6	0.99	0.93	0.76	0.6
		DT	23	22	19	15	23	22	20	16	23	23	20	16	24	23	20	16	23	22	19	16	22	21	18	14.5
		KW	2.51	2.56	2.63	2.7	2.69	2.74	2.83	2.9	2.85	2.91	3.00	3.1	2.99	3.05	3.15	3.2	3.11	3.18	3.28	3.4	3.21	3.28	3.39	3.5
		AMPS	6.6	6.8	7.0	7.2	7.1	7.3	7.5	7.7	7.7	7.8	8.1	8.4	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.4	9.1	9.3	9.6	10.0
		HI PR	236	254	268	279.9	265	285	301	314.1	301	324	342	357.2	343	369	390	406.8	386	416	439	457.7	427	459	485	505.7
		LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164
85	1425	MBh	35.59	36.28	38.00	40.54	34.76	35.44	37.11	39.60	33.94	34.59	36.23	38.65	33.11	33.75	35.35	37.71	31.45	32.06	33.58	35.82	29.14	29.70	31.11	33.19
		S/T	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.80	1.00	1.00	0.99	0.80
		DT	23	22	21	18	22	23	21	19	22	22	21	19	21	22	22	19	20	21	21	18	19	19	20	17.2
		KW	2.58	2.63	2.71	2.8	2.77	2.82	2.91	3.0	2.93	2.99	3.09	3.2	3.08	3.14	3.24	3.3	3.20	3.27	3.38	3.5	3.31	3.38	3.49	3.6
		AMPS	6.8	7.0	7.2	7.4	7.3	7.5	7.7	8.0	7.9	8.1	8.3	8.6	8.4	8.6	8.9	9.2	8.9	9.1	9.4	9.7	9.4	9.6	9.9	10.3
		HI PR	245	264	278	290.5	275	296	313	325.9	313	337	355	370.7	356	383	405	422.2	401	431	455	475.0	443	476	503	524.8
		LO PR	110	117	128	136.2	116	124	135	143.9	121	129	140	149.5	127	135	147	157.1	133	142	155	164.6	138	146	160	170.3
	1275	MBh	35.1	35.7	37.4	39.9	34.3	34.9	36.6	39.0	33.4	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.6	32.7
		S/T	0.95	0.91	0.83	0.7	0.98	0.95	0.86	0.7	1.00	0.97	0.88	0.7	1.00	1.00	0.91	0.7	1.00	1.00	0.94	0.8	1.00	1.00	0.95	0.8
		DT	24	24	22	19	24	24	23	20	24	24	23	20	24	24	23	20	22	23	22	19	21	21	21	18.1
		KW	2.57	2.62	2.70	2.8	2.75	2.81	2.89	3.0	2.92	2.98	3.07	3.2	3.06	3.13	3.23	3.3	3.19	3.25	3.36	3.5	3.29	3.36	3.47	3.6
		AMPS	6.8	6.9	7.1	7.4	7.3	7.4	7.7	7.9	7.9	8.0	8.3	8.6	8.4	8.5	8.8	9.1	8.9	9.1	9.3	9.7	9.4	9.6	9.9	10.2
		HI PR	243	262	277	288.5	273	294	310	323.7	311	334	353	368.1	354	381	402	419.3	398	428	452	471.7	440	473	500	521.1
		LO PR	109	116	127	135.2	116	123	134	142.9	120	128	139	148.5	126	134	146	156.0	132	141	153	163.5	137	145	159	169.1
	1125	MBh	33.3	34.0	35.6	37.9	32.5	33.2	34.7	37.1	31.8	32.4	33.9	36.2	31.0	31.6	33.1	35.3	29.4	30.0	31.4	33.5	27.3	27.8	29.1	31.1
		S/T	0.91	0.88	0.79	0.6	0.94	0.91	0.82	0.7	0.96	0.93	0.84	0.7	1.00	0.96	0.87	0.7	1.00	1.00	0.90	0.7	1.00	1.00	0.91	0.7
		DT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	24	24	23	20	22	23	22	18.7
		KW	2.53	2.58	2.65	2.7	2.71	2.77	2.85	2.9	2.87	2.93	3.02	3.1	3.01	3.08	3.17	3.3	3.14	3.20	3.30	3.4	3.24	3.31	3.41	3.5
		AMPS	6.7	6.8	7.0	7.3	7.2	7.3	7.5	7.8	7.7	7.9	8.1	8.4	8.2	8.4	8.7	9.0	8.7	8.9	9.2	9.5	9.2	9.4	9.7	10.0
		HI PR	239	257	271	282.7	268	288	304	317.2	304	328	346	360.8	347	373	394	410.9	390	420	443	462.2	431	464	490	510.7
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166

Shaded area is AHRI Rating Conditions IDB: Entering Indoor Dry Bulb Temperature KW=Total system pow er AMPS=outdoor unit amps (comp.+fan)

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

MODEL: G/VSZ130421A* / AR*F36421**

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1519	MBh	39.7	41.1	45.1	-	38.8	40.2	44.0	-	37.8	39.2	43.0	-	36.9	38.3	41.9	-	35.1	36.4	39.8	-	32.5	33.7	36.9	-
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-
		DT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	2.89	2.95	3.04	-	3.10	3.17	3.27	-	3.29	3.36	3.47	-	3.46	3.54	3.65	-	3.60	3.68	3.80	-	3.73	3.81	3.93	-
		AMPS	10.3	10.5	10.9	-	11.1	11.4	11.8	-	12.1	12.4	12.8	-	13.0	13.3	13.8	-	13.8	14.2	14.7	-	14.7	15.1	15.6	-
		HI PR	218	234	247	-	244	263	277	-	278	299	315	-	316	340	359	-	356	383	404	-	393	423	447	-
		LO PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-
	1350	MBh	38.5	39.9	43.8	-	37.6	39.0	42.7	-	36.7	38.1	41.7	-	35.8	37.1	40.7	-	34.1	35.3	38.7	-	31.5	32.7	35.8	-
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-
		DT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		KW	2.87	2.93	3.02	-	3.08	3.14	3.24	-	3.27	3.34	3.44	-	3.43	3.51	3.62	-	3.57	3.65	3.77	-	3.70	3.78	3.90	-
		AMPS	10.2	10.4	10.8	-	11.0	11.3	11.7	-	12.0	12.3	12.7	-	12.9	13.2	13.6	-	13.7	14.1	14.5	-	14.6	14.9	15.4	-
		HI PR	215	232	245	-	242	260	275	-	275	296	312	-	313	337	356	-	352	379	400	-	389	419	442	-
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
	1181	MBh	35.6	36.9	40.4	-	34.7	36.0	39.4	-	33.9	35.1	38.5	-	33.1	34.3	37.6	-	31.4	32.6	35.7	-	29.1	30.2	33.1	-
		S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.66	0.45	-
		DT	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	16	13	-	18	15	12	-
		KW	2.80	2.86	2.94	-	3.01	3.07	3.17	-	3.19	3.26	3.36	-	3.35	3.42	3.53	-	3.49	3.56	3.68	-	3.61	3.68	3.80	-
		AMPS	9.9	10.1	10.5	-	10.7	11.0	11.3	-	11.7	12.0	12.4	-	12.5	12.8	13.2	-	13.3	13.7	14.1	-	14.1	14.5	15.0	-
		HI PR	209	225	237	-	234	252	266	-	267	287	303	-	304	327	345	-	342	368	388	-	377	406	429	-
		LO PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-
75	1519	MBh	40.4	41.6	45.0	48.3	39.4	40.6	43.9	47.2	38.5	39.6	42.9	46.0	37.5	**38.7**	41.8	44.9	35.7	36.7	39.7	42.7	33.0	34.0	36.8	39.5
		S/T	0.84	0.76	0.57	0.37	0.88	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
		DT	21	19	16	11	21	19	16	11	21	19	16	11	21	**19**	16	11	21	19	16	11	19	18	15	10
		KW	2.91	2.97	3.06	3.16	3.13	3.19	3.29	3.40	3.32	3.39	3.50	3.61	3.49	**3.57**	3.68	3.80	3.63	3.71	3.83	3.96	3.76	3.84	3.97	4.10
		AMPS	10.4	10.6	11.0	11.4	11.2	11.5	11.9	12.4	12.2	12.5	13.0	13.5	13.1	**13.4**	13.9	14.4	14.0	14.3	14.8	15.4	14.8	15.2	15.7	16.4
		HI PR	220	236	250	260	247	265	280	292	280	302	319	332	319	**344**	363	379	359	387	408	426	397	427	451	471
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	**133**	145	154	131	139	152	162	135	144	157	167
	1350	MBh	39.2	40.3	43.7	46.9	38.3	39.4	42.7	45.8	37.4	38.5	41.6	44.7	36.5	**37.5**	40.6	43.6	34.6	35.7	38.6	41.4	32.1	33.0	35.7	38.4
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	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	0.93	0.83	0.63	0.40
		DT	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	2.89	2.95	3.04	3.13	3.10	3.17	3.27	3.37	3.29	3.36	3.47	3.58	3.46	**3.54**	3.65	3.77	3.60	3.68	3.80	3.93	3.73	3.81	3.93	4.06
		AMPS	10.3	10.5	10.9	11.3	11.1	11.4	11.8	12.2	12.1	12.4	12.8	13.3	13.0	**13.3**	13.8	14.3	13.8	14.2	14.7	15.3	14.7	15.1	15.6	16.2
		HI PR	218	234	247	258	244	263	277	289	278	299	316	329	316	**340**	359	375	356	383	404	422	393	423	447	466
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	**131**	144	153	130	138	150	160	134	143	156	166
	1181	MBh	36.2	37.2	40.3	43.3	35.3	36.4	39.4	42.3	34.5	35.5	38.4	41.2	33.6	**34.6**	37.5	40.2	32.0	32.9	35.6	38.2	29.6	30.5	33.0	35.4
		S/T	0.78	0.69	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.85	**0.76**	0.58	0.37	0.88	0.79	0.60	0.39	0.89	0.80	0.60	0.39
		DT	22	20	16	11	22	20	17	12	22	20	17	12	22	**21**	17	12	22	20	17	11	21	19	16	11
		KW	2.82	2.88	2.97	3.06	3.03	3.09	3.19	3.29	3.22	3.28	3.39	3.50	3.38	**3.45**	3.56	3.68	3.52	3.59	3.71	3.83	3.64	3.71	3.84	3.96
		AMPS	10.0	10.2	10.6	11.0	10.8	11.1	11.5	11.9	11.8	12.1	12.5	13.0	12.6	**12.9**	13.4	13.9	13.4	13.8	14.3	14.8	14.3	14.6	15.1	15.7
		HI PR	211	227	240	250	237	255	269	281	269	290	306	319	307	**330**	349	364	345	371	392	409	381	410	433	452
		LO PR	104	111	121	129	110	117	128	136	114	121	133	141	120	**128**	139	148	126	134	146	155	130	138	151	161

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.

MODEL: G/VSZ130421A* / AR*F36421**

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1519	MBh	41.1	42.0	44.8	47.9	40.1	41.0	43.8	46.8	39.2	40.0	42.8	45.7	38.2	39.0	41.7	44.6	36.3	37.1	39.6	42.4	33.6	34.4	36.7	39.2
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.61
		DT	23	22	19	15	23	22	19	16	24	22	19	16	23	23	20	16	22	22	19	15	20	21	18	14
		KW	2.93	3.00	3.09	3.18	3.15	3.22	3.32	3.43	3.35	3.42	3.53	3.64	3.52	3.59	3.71	3.83	3.66	3.74	3.87	3.99	3.79	3.87	4.00	4.13
		AMPS	10.4	10.7	11.1	11.5	11.3	11.6	12.0	12.5	12.3	12.7	13.1	13.6	13.2	13.6	14.0	14.6	14.1	14.5	15.0	15.6	15.0	15.4	15.9	16.5
		HI PR	222	239	252	263	249	268	283	295	283	305	322	336	323	347	367	382	363	391	412	430	401	432	456	475
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1350	MBh	39.9	40.8	43.5	46.5	39.0	39.8	42.5	45.5	38.0	38.9	41.5	44.4	37.1	37.9	**40.5**	43.3	35.2	36.0	38.5	41.1	32.6	33.4	35.6	38.1
		S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	**0.74**	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58
		DT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	**20**	16	24	23	20	16	22	22	19	15
		KW	2.91	2.97	3.06	3.16	3.13	3.19	3.29	3.40	3.32	3.39	3.50	3.61	3.49	3.57	**3.68**	3.80	3.63	3.71	3.83	3.96	3.76	3.84	3.97	4.10
		AMPS	10.4	10.6	11.0	11.4	11.2	11.5	11.9	12.4	12.2	12.5	13.0	13.5	13.1	13.4	**13.9**	14.4	14.0	14.3	14.8	15.4	14.8	15.2	15.7	16.4
		HI PR	220	237	250	260	247	265	280	292	280	302	319	332	319	344	**363**	379	359	387	408	426	397	427	451	471
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	**145**	154	131	139	152	162	135	144	157	167
	1181	MBh	36.8	37.6	40.2	43.0	36.0	36.7	39.3	42.0	35.1	35.9	38.3	41.0	34.2	35.0	37.4	40.0	32.5	33.2	35.5	38.0	30.1	30.8	32.9	35.2
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.91	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
		DT	24	23	20	16	25	24	21	16	25	24	21	16	25	24	21	17	25	24	20	16	23	22	19	15
		KW	2.84	2.90	2.99	3.08	3.06	3.12	3.22	3.32	3.24	3.31	3.41	3.52	3.41	3.48	3.59	3.71	3.55	3.62	3.74	3.86	3.67	3.75	3.87	3.99
		AMPS	10.1	10.3	10.7	11.1	10.9	11.2	11.6	12.0	11.9	12.2	12.6	13.1	12.7	13.1	13.5	14.0	13.6	13.9	14.4	15.0	14.4	14.8	15.3	15.9
		HI PR	213	229	242	253	239	257	272	284	272	293	309	322	310	333	352	367	349	375	396	413	385	414	438	456
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162
85	1519	MBh	41.8	42.6	44.6	47.6	40.8	41.6	43.6	46.5	39.9	40.6	42.5	45.4	38.9	39.6	41.5	44.3	36.9	37.6	39.4	42.1	34.2	34.9	36.5	39.0
		S/T	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79
		DT	25	24	23	20	25	24	23	20	24	24	23	20	24	24	23	20	22	23	23	20	21	21	21	19
		KW	2.96	3.02	3.11	3.21	3.18	3.25	3.35	3.45	3.37	3.45	3.56	3.67	3.55	3.62	3.74	3.86	3.69	3.77	3.90	4.03	3.82	3.90	4.03	4.17
		AMPS	10.5	10.8	11.2	11.6	11.4	11.7	12.1	12.6	12.5	12.8	13.2	13.7	13.4	13.7	14.2	14.7	14.2	14.6	15.1	15.7	15.1	15.5	16.0	16.7
		HI PR	224	241	255	266	252	271	286	298	286	308	325	339	326	351	370	386	367	395	417	434	405	436	460	480
		LO PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171
	1350	MBh	40.6	41.4	43.3	46.2	39.6	40.4	42.3	45.1	38.7	39.4	41.3	44.1	37.7	38.5	40.3	43.0	35.9	36.6	38.3	40.8	33.2	33.9	35.5	37.8
		S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	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
		DT	26	25	24	21	26	25	24	21	26	26	24	21	26	26	24	21	24	25	24	21	23	23	22	19
		KW	2.93	3.00	3.09	3.18	3.15	3.22	3.32	3.43	3.35	3.42	3.53	3.64	3.52	3.59	3.71	3.83	3.66	3.74	3.87	3.99	3.79	3.87	4.00	4.13
		AMPS	10.4	10.7	11.1	11.5	11.3	11.6	12.0	12.5	12.3	12.7	13.1	13.6	13.2	13.6	14.0	14.6	14.1	14.5	15.0	15.6	15.0	15.4	15.9	16.5
		HI PR	222	239	252	263	249	268	283	295	283	305	322	336	323	347	367	382	363	391	412	430	401	432	456	475
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1181	MBh	37.5	38.2	40.0	42.7	36.6	37.3	39.1	41.7	35.7	36.4	38.1	40.7	34.8	35.5	37.2	39.7	33.1	33.7	35.3	37.7	30.7	31.3	32.7	34.9
		S/T	0.89	0.86	0.78	0.63	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.89	0.72
		DT	26	26	24	21	26	26	25	21	26	26	25	21	27	26	25	21	26	26	24	21	24	24	23	20
		KW	2.87	2.93	3.01	3.11	3.08	3.14	3.24	3.34	3.27	3.34	3.44	3.55	3.43	3.51	3.62	3.74	3.57	3.65	3.77	3.89	3.70	3.78	3.90	4.03
		AMPS	10.2	10.4	10.8	11.2	11.0	11.3	11.7	12.1	12.0	12.3	12.7	13.2	12.9	13.2	13.6	14.2	13.7	14.1	14.5	15.1	14.5	14.9	15.4	16.0
		HI PR	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	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164

Shaded area is AHRI 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.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1800	MBh	45.1	46.7	51.2	-	44.0	45.6	50.0	-	43.0	44.5	48.8	-	41.9	43.5	47.6	-	39.8	41.3	45.2	-	36.9	38.2	41.9	-
		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	-
		DT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
		KW	3.33	3.39	3.48	-	3.55	3.62	3.72	-	3.75	3.82	3.93	-	3.92	4.00	4.12	-	4.07	4.15	4.28	-	4.20	4.28	4.41	-
		AMPS	11.8	12.1	12.5	-	12.7	13.0	13.5	-	13.8	14.2	14.6	-	14.8	15.2	15.7	-	15.7	16.1	16.7	-	16.7	17.1	17.7	-
		HI PR	234	252	266	-	262	282	298	-	298	321	339	-	340	366	386	-	382	411	434	-	422	454	480	-
		LO PR	111	118	129	-	117	125	136	-	122	129	141	-	128	136	148	-	134	143	156	-	139	147	161	-
	1600	MBh	43.8	45.4	49.7	-	42.7	44.3	48.5	-	41.7	43.2	47.4	-	40.7	42.2	46.2	-	38.7	40.1	43.9	-	35.8	37.1	40.7	-
		S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
		DT	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	3.31	3.37	3.46	-	3.53	3.59	3.70	-	3.72	3.79	3.90	-	3.89	3.97	4.09	-	4.04	4.12	4.24	-	4.17	4.25	4.38	-
		AMPS	11.7	12.0	12.3	-	12.6	12.9	13.4	-	13.7	14.0	14.5	-	14.7	15.0	15.5	-	15.6	16.0	16.5	-	16.5	16.9	17.5	-
		HI PR	231	249	263	-	260	279	295	-	295	318	336	-	336	362	382	-	378	407	430	-	418	450	475	-
		LO PR	110	117	127	-	116	123	135	-	120	128	140	-	127	135	147	-	133	141	154	-	137	146	159	-
	1400	MBh	40.4	41.9	45.9	-	39.5	40.9	44.8	-	38.5	39.9	43.7	-	37.6	38.9	42.7	-	35.7	37.0	40.5	-	33.1	34.3	37.5	-
		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	-
		DT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		KW	3.24	3.30	3.39	-	3.45	3.52	3.62	-	3.64	3.71	3.82	-	3.81	3.88	4.00	-	3.95	4.03	4.15	-	4.07	4.15	4.28	-
		AMPS	11.4	11.6	12.0	-	12.3	12.6	13.0	-	13.3	13.7	14.1	-	14.3	14.6	15.1	-	15.2	15.5	16.1	-	16.1	16.5	17.0	-
		HI PR	224	242	255	-	252	271	286	-	286	308	326	-	326	351	371	-	367	395	417	-	406	436	461	-
		LO PR	106	113	124	-	112	120	131	-	117	124	136	-	123	131	143	-	129	137	149	-	133	142	155	-
75	1800	MBh	45.8	47.2	51.1	54.8	44.8	46.1	49.9	53.6	43.7	45.0	48.7	52.3	42.6	**43.9**	47.5	51.0	40.5	41.7	45.1	48.5	37.5	38.6	41.8	44.9
		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
		DT	20	19	15	11	20	19	15	11	20	19	15	11	21	**19**	16	11	20	19	15	11	19	17	14	10
		KW	3.35	3.41	3.51	3.61	3.58	3.65	3.75	3.86	3.78	3.85	3.96	4.08	3.95	**4.03**	4.15	4.27	4.10	4.18	4.31	4.44	4.23	4.32	4.45	4.58
		AMPS	11.9	12.2	12.6	13.0	12.9	13.2	13.6	14.1	14.0	14.3	14.8	15.3	14.9	**15.3**	15.8	16.4	15.9	16.3	16.8	17.5	16.8	17.3	17.8	18.5
		HI PR	236	254	268	280	265	285	301	314	301	324	342	357	343	**369**	390	407	386	415	439	458	427	459	485	506
		LO PR	112	119	130	138	118	126	137	146	123	131	143	152	129	**137**	150	160	135	144	157	167	140	149	163	173
	1600	MBh	44.5	45.8	49.6	53.2	43.5	44.8	48.4	52.0	42.4	43.7	47.3	50.8	41.4	**42.6**	46.1	49.5	39.3	40.5	43.8	47.0	36.4	37.5	40.6	43.6
		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
		DT	21	19	16	11	21	20	16	11	21	20	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		KW	3.33	3.39	3.48	3.58	3.55	3.62	3.72	3.83	3.75	3.82	3.93	4.05	3.92	**4.00**	4.12	4.24	4.07	4.15	4.28	4.41	4.20	4.28	4.41	4.55
		AMPS	11.8	12.1	12.5	12.9	12.7	13.0	13.5	14.0	13.8	14.2	14.6	15.2	14.8	**15.2**	15.7	16.3	15.7	16.1	16.7	17.3	16.7	17.1	17.7	18.4
		HI PR	234	252	266	277	262	282	298	311	298	321	339	354	340	**366**	386	403	382	411	434	453	422	454	480	501
		LO PR	111	118	129	137	117	125	136	145	122	129	141	151	128	**136**	149	158	134	143	156	166	139	147	161	171
	1400	MBh	41.1	42.3	45.8	49.1	40.1	41.3	44.7	48.0	39.2	40.3	43.7	46.8	38.2	**39.3**	42.6	45.7	36.3	37.4	40.5	43.4	33.6	34.6	37.5	40.2
		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
		DT	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	3.26	3.32	3.41	3.51	3.48	3.54	3.64	3.75	3.67	3.74	3.85	3.96	3.84	**3.91**	4.03	4.15	3.98	4.06	4.18	4.31	4.10	4.19	4.31	4.44
		AMPS	11.5	11.7	12.1	12.6	12.4	12.7	13.1	13.6	13.5	13.8	14.2	14.8	14.4	**14.7**	15.2	15.8	15.3	15.7	16.2	16.8	16.2	16.6	17.2	17.8
		HI PR	227	244	258	269	254	274	289	302	289	311	329	343	330	**355**	375	391	371	399	421	439	410	441	466	486
		LO PR	108	114	125	133	114	121	132	141	118	126	137	146	124	**132**	144	153	130	138	151	161	134	143	156	166

Shaded area is ACCA (TVA) conditions IDB: Entering Indoor Dry Bulb Temperature KW=Total system pow er AMPS=outdoor unit amps (comp.+fan

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

MODEL: G/VSZ130481A* /AR*F48601**

EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1800	MBh	46.7	47.7	50.9	54.4	45.6	46.6	49.7	53.2	44.5	45.5	48.6	51.9	43.4	44.3	47.4	50.6	41.2	42.1	45.0	48.1	38.2	39.0	41.7	44.6
		S/T	0.95	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
		DT	23	22	19	15	23	22	19	15	23	22	19	15	22	23	19	15	21	22	19	15	20	20	18	14
		KW	3.38	3.44	3.53	3.63	3.60	3.67	3.78	3.89	3.80	3.88	3.99	4.11	3.98	4.06	4.18	4.31	4.13	4.22	4.34	4.48	4.26	4.35	4.48	4.62
		AMPS	12.0	12.3	12.7	13.2	13.0	13.3	13.7	14.2	14.1	14.4	14.9	15.5	15.1	15.4	16.0	16.6	16.0	16.4	17.0	17.6	17.0	17.4	18.0	18.7
		HI PR	238	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511
		LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	145	159	169	141	150	164	175
	1600	MBh	45.3	46.3	49.5	52.9	44.2	45.2	48.3	51.6	43.2	44.1	47.2	50.4	42.1	43.1	**46.0**	49.2	40.0	40.9	43.7	46.7	37.1	37.9	40.5	43.3
		S/T	0.90	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
		DT	23	23	20	16	24	23	20	16	24	23	20	16	24	23	**20**	16	23	23	20	16	21	21	18	15
		KW	3.35	3.41	3.51	3.61	3.58	3.65	3.75	3.86	3.78	3.85	3.96	4.08	3.95	4.03	**4.15**	4.28	4.10	4.18	4.31	4.44	4.23	4.32	4.45	4.58
		AMPS	11.9	12.2	12.6	13.0	12.9	13.2	13.6	14.1	14.0	14.3	14.8	15.3	14.9	15.3	**15.8**	16.4	15.9	16.3	16.8	17.5	16.8	17.3	17.8	18.5
		HI PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	**390**	407	386	415	439	458	427	459	485	506
		LO PR	112	119	130	139	118	126	137	146	123	131	143	152	129	137	**150**	160	135	144	157	167	140	149	163	173
	1400	MBh	41.8	42.7	45.6	48.8	40.8	41.7	44.6	47.7	39.9	40.7	43.5	46.5	38.9	39.7	42.5	45.4	36.9	37.8	40.3	43.1	34.2	35.0	37.4	39.9
		S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.92	0.87	0.71	0.53	0.95	0.90	0.73	0.54	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57
		DT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	22	19	15
		KW	3.28	3.34	3.43	3.53	3.50	3.57	3.67	3.77	3.69	3.77	3.87	3.99	3.87	3.94	4.06	4.18	4.01	4.09	4.21	4.34	4.14	4.22	4.34	4.48
		AMPS	11.6	11.8	12.2	12.7	12.5	12.8	13.2	13.7	13.6	13.9	14.4	14.9	14.5	14.9	15.4	16.0	15.5	15.8	16.4	17.0	16.4	16.8	17.3	18.0
		HI PR	229	246	260	271	257	277	292	305	292	315	332	346	333	358	378	395	375	403	426	444	414	445	470	490
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	152	162	136	144	158	168
85	1800	MBh	47.5	48.4	50.7	54.1	46.4	47.3	49.5	52.8	45.3	46.1	48.3	51.6	44.2	45.0	47.1	50.3	42.0	42.8	44.8	47.8	38.9	39.6	41.5	44.3
		S/T	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
		DT	24	24	22	19	24	24	23	20	23	24	23	20	23	23	23	20	21	22	22	19	20	20	21	18
		KW	3.40	3.46	3.56	3.66	3.63	3.70	3.80	3.92	3.83	3.91	4.02	4.14	4.01	4.09	4.21	4.34	4.16	4.25	4.38	4.51	4.30	4.38	4.52	4.66
		AMPS	12.1	12.4	12.8	13.3	13.1	13.4	13.9	14.4	14.2	14.6	15.1	15.6	15.2	15.6	16.1	16.7	16.2	16.6	17.1	17.8	17.2	17.6	18.2	18.9
		HI PR	241	259	274	285	270	291	307	320	307	331	349	364	350	377	398	415	394	424	448	467	435	468	495	516
		LO PR	114	122	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177
	1600	MBh	46.1	47.0	49.2	52.5	45.0	45.9	48.1	51.3	43.9	44.8	46.9	50.1	42.9	43.7	45.8	48.8	40.7	41.5	43.5	46.4	37.7	38.5	40.3	43.0
		S/T	0.95	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	25	25	23	20	25	25	24	20	25	25	24	20	25	25	24	21	23	24	23	20	22	22	22	19
		KW	3.38	3.44	3.53	3.63	3.60	3.67	3.78	3.89	3.80	3.88	3.99	4.11	3.98	4.06	4.18	4.31	4.13	4.22	4.34	4.48	4.26	4.35	4.48	4.62
		AMPS	12.0	12.3	12.7	13.2	13.0	13.3	13.7	14.2	14.1	14.4	14.9	15.5	15.1	15.4	16.0	16.6	16.0	16.4	17.0	17.6	17.0	17.4	18.0	18.7
		HI PR	238	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511
		LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	145	159	169	141	150	164	175
	1400	MBh	42.5	43.4	45.4	48.5	41.5	42.4	44.4	47.3	40.6	41.3	43.3	46.2	39.6	40.3	42.2	45.1	37.6	38.3	40.1	42.8	34.8	35.5	37.2	39.7
		S/T	0.91	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
		DT	25	25	24	21	26	25	24	21	26	25	24	21	26	26	24	21	25	25	24	21	23	23	22	19
		KW	3.31	3.37	3.46	3.56	3.53	3.59	3.69	3.80	3.72	3.79	3.90	4.02	3.89	3.97	4.09	4.21	4.04	4.12	4.24	4.37	4.17	4.25	4.38	4.51
		AMPS	11.7	12.0	12.3	12.8	12.6	12.9	13.3	13.8	13.7	14.0	14.5	15.1	14.7	15.0	15.5	16.1	15.6	16.0	16.5	17.1	16.5	16.9	17.5	18.2
		HI PR	231	249	263	274	260	279	295	308	295	318	335	350	336	362	382	399	378	407	430	448	418	450	475	495
		LO PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170

Shaded area is AHRI 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.

EXPANDED PERFORMANCE DATA

MODEL: GSZ130483A* / AR*F486016**

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1800	MBh	45.1	46.7	51.2	-	44.0	45.6	50.0	-	43.0	44.5	48.8	-	41.9	43.5	47.6	-	39.8	41.3	45.2	-	36.9	38.2	41.9	-
		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	-
		DT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
		KW	3.26	3.32	3.42	-	3.49	3.55	3.66	-	3.69	3.76	3.88	-	3.87	3.95	4.07	-	4.02	4.10	4.23	-	4.15	4.24	4.37	-
		AMPS	7.5	7.7	7.9	-	8.1	8.3	8.5	-	8.7	8.9	9.2	-	9.3	9.5	9.8	-	9.9	10.1	10.4	-	10.4	10.7	11.0	-
		HI PR	239	257	271	-	268	288	304	-	304	328	346	-	347	373	394	-	390	420	443	-	431	464	490	-
		LO PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-
	1600	MBh	43.8	45.4	49.7	-	42.7	44.3	48.5	-	41.7	43.2	47.4	-	40.7	42.2	46.2	-	38.7	40.1	43.9	-	35.8	37.1	40.7	-
		S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
		DT	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	3.23	3.29	3.39	-	3.46	3.53	3.63	-	3.66	3.73	3.85	-	3.84	3.92	4.04	-	3.99	4.07	4.20	-	4.12	4.20	4.33	-
		AMPS	7.4	7.6	7.8	-	8.0	8.2	8.4	-	8.7	8.9	9.1	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.3	10.6	10.9	-
		HI PR	236	254	268	-	265	285	301	-	301	324	342	-	343	369	390	-	386	416	439	-	427	459	485	-
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
	1400	MBh	40.4	41.9	45.9	-	39.5	40.9	44.8	-	38.5	39.9	43.7	-	37.6	38.9	42.7	-	35.7	37.0	40.5	-	33.1	34.3	37.5	-
		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	-
		DT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		KW	3.16	3.22	3.31	-	3.38	3.45	3.55	-	3.58	3.65	3.76	-	3.75	3.83	3.94	-	3.89	3.98	4.10	-	4.02	4.10	4.23	-
		AMPS	7.3	7.4	7.6	-	7.8	8.0	8.2	-	8.4	8.6	8.9	-	9.0	9.2	9.5	-	9.5	9.7	10.0	-	10.1	10.3	10.6	-
		HI PR	229	247	260	-	257	277	292	-	292	315	332	-	333	358	378	-	375	403	426	-	414	445	470	-
		LO PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-
75	1800	MBh	45.84	47.20	51.09	54.83	44.77	46.10	49.90	53.55	43.71	45.00	48.71	52.28	42.64	43.90	47.52	51.00	40.51	41.71	45.15	48.45	37.52	38.64	41.82	44.88
		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
		DT	20	19	15	11	20	19	15	11	20	19	15	11	21	19	16	11	20	19	15	11	19	17	14	10
		KW	3.28	3.34	3.44	3.54	3.51	3.58	3.69	3.80	3.72	3.79	3.91	4.03	3.90	3.98	4.10	4.23	4.05	4.14	4.26	4.40	4.18	4.27	4.40	4.55
		AMPS	7.6	7.7	8.0	8.3	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.4	9.6	9.9	10.3	9.9	10.2	10.5	10.9	10.5	10.8	11.1	11.5
		HI PR	241	259	274	286	270	291	307	320	307	331	349	364	350	377	398	415	394	424	448	467	435	468	495	516
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
	1600	MBh	44.5	45.8	49.6	53.2	43.5	44.8	48.4	52.0	42.4	43.7	47.3	50.8	41.4	**42.6**	46.1	49.5	39.3	40.5	43.8	47.0	36.4	37.5	40.6	43.6
		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
		DT	21	19	16	11	21	20	16	11	21	20	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		KW	3.26	3.32	3.42	3.52	3.49	3.56	3.66	3.77	3.69	3.76	3.88	4.00	3.87	**3.95**	4.07	4.20	4.02	4.10	4.23	4.36	4.15	4.24	4.37	4.51
		AMPS	7.5	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.3	**9.5**	9.8	10.2	9.9	10.1	10.4	10.8	10.4	10.7	11.0	11.4
		HI PR	239	257	271	283	268	288	304	317	304	328	346	361	347	**373**	394	411	390	420	443	462	431	464	490	511
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	**131**	144	153	130	138	150	160	134	143	156	166
	1400	MBh	41.1	42.3	45.8	49.1	40.1	41.3	44.7	48.0	39.2	40.3	43.7	46.8	38.2	39.34	42.6	45.7	36.3	37.4	40.5	43.4	33.6	34.6	37.5	40.2
		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
		DT	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	3.19	3.25	3.34	3.44	3.41	3.48	3.58	3.68	3.60	3.68	3.79	3.90	3.78	3.86	3.97	4.10	3.93	4.01	4.13	4.26	4.05	4.14	4.27	4.40
		AMPS	7.3	7.5	7.7	8.0	7.9	8.0	8.3	8.6	8.5	8.7	9.0	9.3	9.1	9.3	9.6	9.9	9.6	9.8	10.1	10.5	10.1	10.4	10.7	11.1
		HI PR	231	249	263	274	260	279	295	308	295	318	336	350	336	362	382	399	378	407	430	448	418	450	475	496
		LO PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161

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.

EXPANDED PERFORMANCE DATA

MODEL: GSZ130483A* / AR*F486016**

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1800	MBh	46.66	47.67	50.93	54.45	45.57	46.57	49.75	53.18	44.49	45.46	48.56	51.92	43.40	44.35	47.38	50.65	41.23	42.13	45.01	48.12	38.19	39.03	41.69	44.57
		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
		DT	23	22	19	15	23	22	19	15	23	22	19	15	22	23	19	15	21	22	19	15	20	20	18	14
		KW	3.30	3.37	3.47	3.57	3.54	3.61	3.72	3.83	3.75	3.82	3.94	4.06	3.93	4.01	4.13	4.26	4.08	4.17	4.30	4.43	4.22	4.31	4.44	4.58
		AMPS	7.6	7.8	8.0	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6
		HI PR	243	262	277	288	273	294	310	324	311	334	353	368	354	381	402	419	398	428	452	472	440	473	500	521
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1600	MBh	45.3	46.3	49.5	52.9	44.2	45.2	48.3	51.6	43.2	44.1	47.2	50.4	42.1	43.1	**46.0**	49.2	40.0	40.9	43.7	46.7	37.1	37.9	40.5	43.3
		S/T	0.90	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
		DT	23	23	20	16	24	23	20	16	24	23	20	16	24	23	**20**	16	23	23	20	16	21	21	18	15
		KW	3.28	3.34	3.44	3.54	3.51	3.58	3.69	3.80	3.72	3.79	3.91	4.03	3.90	3.98	**4.10**	4.23	4.05	4.14	4.26	4.40	4.18	4.27	4.41	4.55
		AMPS	7.6	7.7	8.0	8.3	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.4	9.6	**9.9**	10.3	10.0	10.2	10.5	10.9	10.5	10.8	11.1	11.5
		HI PR	241	259	274	286	270	291	307	320	308	331	349	364	350	377	**398**	415	394	424	448	467	435	468	495	516
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	**145**	154	131	139	152	162	135	144	157	167
	1400	MBh	41.8	42.7	45.6	48.8	40.8	41.7	44.6	47.7	39.9	40.7	43.5	46.5	38.9	39.7	42.5	45.4	36.9	37.8	40.3	43.1	34.2	35.0	37.4	39.9
		S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.92	0.87	0.71	0.53	0.95	0.90	0.73	0.54	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57
		DT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	22	19	15
		KW	3.21	3.27	3.36	3.46	3.43	3.50	3.60	3.71	3.63	3.71	3.82	3.93	3.81	3.89	4.00	4.13	3.96	4.04	4.16	4.29	4.08	4.17	4.30	4.44
		AMPS	7.4	7.5	7.8	8.0	7.9	8.1	8.4	8.7	8.6	8.8	9.0	9.4	9.1	9.3	9.6	10.0	9.7	9.9	10.2	10.6	10.2	10.5	10.8	11.2
		HI PR	234	252	266	277	262	282	298	311	298	321	339	354	340	366	386	403	382	411	434	453	422	454	480	501
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162
85	1800	MBh	47.47	48.39	50.68	54.07	46.37	47.26	49.50	52.81	45.26	46.14	48.32	51.55	44.16	45.01	47.14	50.29	41.95	42.76	44.79	47.78	38.86	39.61	41.49	44.26
		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
		DT	24	24	22	19	24	24	23	20	23	24	23	20	23	23	23	20	21	22	22	19	20	20	21	18
		KW	3.33	3.39	3.49	3.60	3.56	3.64	3.74	3.86	3.77	3.85	3.97	4.09	3.96	4.04	4.16	4.30	4.11	4.20	4.33	4.47	4.25	4.34	4.48	4.62
		AMPS	7.7	7.9	8.1	8.4	8.3	8.5	8.7	9.0	9.0	9.2	9.5	9.8	9.5	9.8	10.1	10.4	10.1	10.4	10.7	11.1	10.7	11.0	11.3	11.7
		HI PR	246	265	279	291	276	297	313	327	314	338	356	372	357	384	406	423	402	433	457	476	444	478	505	526
		LO PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171
	1600	MBh	46.1	47.0	49.2	52.5	45.0	45.9	48.1	51.3	43.9	44.8	46.9	50.1	42.9	43.7	45.8	48.8	40.7	41.5	43.5	46.4	37.7	38.5	40.3	43.0
		S/T	0.95	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	25	25	23	20	25	25	24	20	25	25	24	20	25	25	24	21	23	24	23	20	22	22	22	19
		KW	3.30	3.37	3.47	3.57	3.54	3.61	3.72	3.83	3.75	3.82	3.94	4.06	3.93	4.01	4.13	4.26	4.08	4.17	4.30	4.43	4.22	4.31	4.44	4.58
		AMPS	7.6	7.8	8.0	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6
		HI PR	243	262	277	288	273	294	310	324	311	334	353	368	354	381	402	419	398	428	452	472	440	473	500	521
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1400	MBh	42.5	43.4	45.4	48.5	41.5	42.4	44.4	47.3	40.6	41.3	43.3	46.2	39.6	40.3	42.2	45.1	37.6	38.3	40.1	42.8	34.8	35.5	37.2	39.7
		S/T	0.91	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
		DT	25	25	24	21	26	25	24	21	26	25	24	21	26	26	24	21	25	25	24	21	23	23	22	19
		KW	3.23	3.29	3.39	3.49	3.46	3.53	3.63	3.74	3.66	3.73	3.85	3.96	3.84	3.92	4.03	4.16	3.99	4.07	4.20	4.33	4.12	4.20	4.33	4.47
		AMPS	7.4	7.6	7.8	8.1	8.0	8.2	8.4	8.7	8.7	8.8	9.1	9.5	9.2	9.4	9.7	10.1	9.8	10.0	10.3	10.7	10.3	10.6	10.9	11.3
		HI PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	415	439	458	427	459	485	506
		LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164

Shaded area is AHRI Rating Conditions IDB: Entering Indoor Dry Bulb Temperature KW=Total system pow er AMPS=outdoor unit amps (comp.+fan)

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

EXPANDED PERFORMANCE DATA

MODEL: GSZ130484A* / AR*F486016**

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1800	MBh	45.1	46.7	51.2	-	44.0	45.6	50.0	-	43.0	44.5	48.8	-	41.9	43.5	47.6	-	39.8	41.3	45.2	-	36.9	38.2	41.9	-
		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	-
		DT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
		KW	3.25	3.31	3.41	-	3.48	3.54	3.65	-	3.68	3.75	3.87	-	3.86	3.94	4.06	-	4.01	4.09	4.22	-	4.14	4.23	4.36	-
		AMPS	4.4	4.5	4.7	-	4.7	4.9	5.0	-	5.1	5.2	5.4	-	5.5	5.6	5.7	-	5.8	5.9	6.1	-	6.1	6.2	6.4	-
		HI PR	243	261	276	-	272	293	309	-	310	333	352	-	353	380	401	-	397	427	451	-	438	472	498	-
		LO PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-
	1600	MBh	43.8	45.4	49.7	-	42.7	44.3	48.5	-	41.7	43.2	47.4	-	40.7	42.2	46.2	-	38.7	40.1	43.9	-	35.8	37.1	40.7	-
		S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
		DT	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	3.22	3.28	3.38	-	3.45	3.52	3.62	-	3.65	3.72	3.84	-	3.83	3.91	4.03	-	3.98	4.06	4.19	-	4.11	4.19	4.32	-
		AMPS	4.4	4.5	4.6	-	4.7	4.8	5.0	-	5.1	5.2	5.4	-	5.4	5.5	5.7	-	5.7	5.9	6.0	-	6.0	6.2	6.4	-
		HI PR	240	259	273	-	270	290	306	-	307	330	348	-	349	376	397	-	393	423	447	-	434	467	493	-
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
	1400	MBh	40.4	41.9	45.9	-	39.5	40.9	44.8	-	38.5	39.9	43.7	-	37.6	38.9	42.7	-	35.7	37.0	40.5	-	33.1	34.3	37.5	-
		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	-
		DT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		KW	3.15	3.21	3.30	-	3.37	3.44	3.54	-	3.57	3.64	3.75	-	3.74	3.82	3.93	-	3.88	3.97	4.09	-	4.01	4.09	4.22	-
		AMPS	4.3	4.4	4.5	-	4.6	4.7	4.8	-	5.0	5.1	5.2	-	5.3	5.4	5.6	-	5.6	5.7	5.9	-	5.9	6.0	6.2	-
		HI PR	233	251	265	-	262	281	297	-	297	320	338	-	339	365	385	-	381	410	433	-	421	453	479	-
		LO PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-
75	1800	MBh	45.84	47.20	51.09	54.83	44.77	46.10	49.90	53.55	43.71	45.00	48.71	52.28	42.64	43.90	47.52	51.00	40.51	41.71	45.15	48.45	37.52	38.64	41.82	44.88
		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
		DT	20	19	15	11	20	19	15	11	20	19	15	11	21	19	16	11	20	19	15	11	19	17	14	10
		KW	3.27	3.33	3.43	3.53	3.50	3.57	3.68	3.79	3.71	3.78	3.90	4.02	3.89	3.97	4.09	4.22	4.04	4.13	4.25	4.39	4.17	4.26	4.39	4.54
		AMPS	4.5	4.6	4.7	4.9	4.8	4.9	5.0	5.2	5.2	5.3	5.4	5.6	5.5	5.6	5.8	6.0	5.8	6.0	6.1	6.4	6.2	6.3	6.5	6.7
		HI PR	245	264	279	291	275	296	313	326	313	337	356	371	356	383	405	422	401	431	456	475	443	477	503	525
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
	1600	MBh	44.5	45.8	49.6	53.2	43.5	44.8	48.4	52.0	42.4	43.7	47.3	50.8	41.4	**42.6**	46.1	49.5	39.3	40.5	43.8	47.0	36.4	37.5	40.6	43.6
		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
		DT	21	19	16	11	21	20	16	11	21	20	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		KW	3.25	3.31	3.41	3.51	3.48	3.55	3.65	3.76	3.68	3.75	3.87	3.99	3.86	**3.94**	4.06	4.19	4.01	4.09	4.22	4.35	4.14	4.23	4.36	4.50
		AMPS	4.4	4.5	4.7	4.8	4.8	4.9	5.0	5.2	5.1	5.2	5.4	5.6	5.5	**5.6**	5.8	6.0	5.8	5.9	6.1	6.3	6.1	6.2	6.4	6.7
		HI PR	243	261	276	288	272	293	310	323	310	333	352	367	353	**380**	401	418	397	427	451	470	439	472	498	520
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	**131**	144	153	130	138	150	160	134	143	156	166
	1400	MBh	41.1	42.3	45.8	49.1	40.1	41.3	44.7	48.0	39.2	40.3	43.7	46.8	38.2	39.34	42.6	45.7	36.3	37.4	40.5	43.4	33.6	34.6	37.5	40.2
		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
		DT	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	3.18	3.24	3.33	3.43	3.40	3.47	3.57	3.67	3.59	3.67	3.78	3.89	3.77	3.85	3.96	4.09	3.92	4.00	4.12	4.25	4.04	4.13	4.26	4.39
		AMPS	4.3	4.4	4.5	4.7	4.6	4.7	4.9	5.0	5.0	5.1	5.3	5.4	5.3	5.4	5.6	5.8	5.6	5.8	5.9	6.1	5.9	6.1	6.3	6.5
		HI PR	235	253	268	279	264	284	300	313	300	323	341	356	342	368	389	406	385	414	438	456	425	458	483	504
		LO PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161

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.

EXPANDED PERFORMANCE DATA

MODEL: GSZ130484A* / AR*F486016**

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1800	MBh	46.66	47.67	50.93	54.45	45.57	46.57	49.75	53.18	44.49	45.46	48.56	51.92	43.40	44.35	47.38	50.65	41.23	42.13	45.01	48.12	38.19	39.03	41.69	44.57
		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
		DT	23	22	19	15	23	22	19	15	23	22	19	15	22	23	19	15	21	22	19	15	20	20	18	14
		KW	3.29	3.36	3.46	3.56	3.53	3.60	3.71	3.82	3.74	3.81	3.93	4.05	3.92	4.00	4.12	4.25	4.07	4.16	4.29	4.42	4.21	4.30	4.43	4.57
		AMPS	4.5	4.6	4.7	4.9	4.8	4.9	5.1	5.3	5.2	5.3	5.5	5.7	5.5	5.7	5.9	6.1	5.9	6.0	6.2	6.4	6.2	6.4	6.6	6.8
		HI PR	248	267	281	294	278	299	316	329	316	340	359	375	360	387	409	427	405	436	460	480	447	482	508	530
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1600	MBh	45.3	46.3	49.5	52.9	44.2	45.2	48.3	51.6	43.2	44.1	47.2	50.4	42.1	43.1	**46.0**	49.2	40.0	40.9	43.7	46.7	37.1	37.9	40.5	43.3
		S/T	0.90	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
		DT	23	23	20	16	24	23	20	16	24	23	20	16	24	23	**20**	16	23	23	20	16	21	21	18	15
		KW	3.27	3.33	3.43	3.53	3.50	3.57	3.68	3.79	3.71	3.78	3.90	4.02	3.89	3.97	**4.09**	4.22	4.04	4.13	4.25	4.39	4.17	4.26	4.40	4.54
		AMPS	4.5	4.6	4.7	4.9	4.8	4.9	5.0	5.2	5.2	5.3	5.5	5.6	5.5	5.6	**5.8**	6.0	5.8	6.0	6.2	6.4	6.2	6.3	6.5	6.7
		HI PR	245	264	279	291	275	296	313	326	313	337	356	371	356	384	**405**	422	401	431	456	475	443	477	503	525
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	**145**	154	131	139	152	162	135	144	157	167
	1400	MBh	41.8	42.7	45.6	48.8	40.8	41.7	44.6	47.7	39.9	40.7	43.5	46.5	38.9	39.7	42.5	45.4	36.9	37.8	40.3	43.1	34.2	35.0	37.4	39.9
		S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.92	0.87	0.71	0.53	0.95	0.90	0.73	0.54	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57
		DT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	22	19	15
		KW	3.20	3.26	3.35	3.45	3.42	3.49	3.59	3.70	3.62	3.70	3.81	3.92	3.80	3.88	3.99	4.12	3.95	4.03	4.15	4.28	4.07	4.16	4.29	4.43
		AMPS	4.4	4.4	4.6	4.7	4.7	4.8	4.9	5.1	5.0	5.2	5.3	5.5	5.4	5.5	5.7	5.8	5.7	5.8	6.0	6.2	6.0	6.1	6.3	6.6
		HI PR	238	256	270	282	267	287	303	316	304	327	345	360	346	372	393	410	389	419	442	461	430	462	488	509
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162
85	1800	MBh	47.47	48.39	50.68	54.07	46.37	47.26	49.50	52.81	45.26	46.14	48.32	51.55	44.16	45.01	47.14	50.29	41.95	42.76	44.79	47.78	38.86	39.61	41.49	44.26
		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
		DT	24	24	22	19	24	24	23	20	23	24	23	20	23	23	23	20	21	22	22	19	20	20	21	18
		KW	3.32	3.38	3.48	3.59	3.55	3.63	3.73	3.85	3.76	3.84	3.96	4.08	3.95	4.03	4.15	4.29	4.10	4.19	4.32	4.46	4.24	4.33	4.47	4.61
		AMPS	4.5	4.6	4.8	4.9	4.9	5.0	5.1	5.3	5.3	5.4	5.5	5.7	5.6	5.7	5.9	6.1	5.9	6.1	6.3	6.5	6.3	6.4	6.6	6.8
		HI PR	250	269	284	296	281	302	319	333	319	344	363	378	364	391	413	431	409	440	465	485	452	486	514	536
		LO PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171
	1600	MBh	46.1	47.0	49.2	52.5	45.0	45.9	48.1	51.3	43.9	44.8	46.9	50.1	42.9	43.7	45.8	48.8	40.7	41.5	43.5	46.4	37.7	38.5	40.3	43.0
		S/T	0.95	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	25	25	23	20	25	25	24	20	25	25	24	20	25	25	24	21	23	24	23	20	22	22	22	19
		KW	3.29	3.36	3.46	3.56	3.53	3.60	3.71	3.82	3.74	3.81	3.93	4.05	3.92	4.00	4.12	4.25	4.07	4.16	4.29	4.42	4.21	4.30	4.43	4.57
		AMPS	4.5	4.6	4.7	4.9	4.8	4.9	5.1	5.3	5.2	5.3	5.5	5.7	5.5	5.7	5.9	6.1	5.9	6.0	6.2	6.4	6.2	6.4	6.6	6.8
		HI PR	248	267	281	294	278	299	316	329	316	340	359	375	360	387	409	427	405	436	460	480	447	482	508	530
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1400	MBh	42.5	43.4	45.4	48.5	41.5	42.4	44.4	47.3	40.6	41.3	43.3	46.2	39.6	40.3	42.2	45.1	37.6	38.3	40.1	42.8	34.8	35.5	37.2	39.7
		S/T	0.91	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
		DT	25	25	24	21	26	25	24	21	26	25	24	21	26	26	24	21	25	25	24	21	23	23	22	19
		KW	3.22	3.28	3.38	3.48	3.45	3.52	3.62	3.73	3.65	3.72	3.84	3.95	3.83	3.91	4.02	4.15	3.98	4.06	4.19	4.32	4.11	4.19	4.32	4.46
		AMPS	4.4	4.5	4.6	4.8	4.7	4.8	5.0	5.1	5.1	5.2	5.4	5.5	5.4	5.5	5.7	5.9	5.7	5.9	6.0	6.3	6.0	6.2	6.4	6.6
		HI PR	240	259	273	285	270	290	306	319	307	330	348	363	349	376	397	414	393	423	446	466	434	467	493	514
		LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164

Shaded area is AHRI Rating Conditions IDB: Entering Indoor Dry Bulb Temperature KW=Total system pow er AMPS=outdoor unit amps (comp.+fan)

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

MODEL: G/VSZ130601A* / AR*F48601** EXPANDED PERFORMANCE DATA

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	2025	MBh	55.9	57.9	63.4	-	54.6	56.5	62.0	-	53.3	55.2	60.5	-	52.0	53.9	59.0	-	49.4	51.2	56.1	-	45.7	47.4	51.9	-
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-
		DT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
		KW	4.11	4.19	4.31	-	4.40	4.49	4.62	-	4.66	4.75	4.90	-	4.88	4.99	5.14	-	5.08	5.18	5.34	-	5.24	5.35	5.52	-
		AMPS	14.5	14.8	15.3	-	15.7	16.1	16.6	-	17.1	17.5	18.1	-	18.3	18.7	19.3	-	19.4	19.9	20.6	-	20.6	21.1	21.9	-
		HI PR	225	242	255	-	252	271	287	-	287	309	326	-	327	352	371	-	367	395	418	-	406	437	461	-
		LO PR	102	108	118	-	108	115	125	-	112	119	130	-	118	125	137	-	123	131	143	-	127	136	148	-
	1800	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	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
		DT	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		KW	4.08	4.16	4.28	-	4.37	4.46	4.59	-	4.62	4.72	4.86	-	4.85	4.95	5.10	-	5.04	5.14	5.30	-	5.20	5.31	5.48	-
		AMPS	14.4	14.7	15.2	-	15.5	15.9	16.5	-	16.9	17.3	17.9	-	18.1	18.5	19.2	-	19.3	19.7	20.4	-	20.4	20.9	21.7	-
		HI PR	222	239	253	-	250	269	284	-	284	306	323	-	323	348	368	-	364	392	413	-	402	433	457	-
		LO PR	101	107	117	-	107	113	124	-	111	118	129	-	116	124	135	-	122	130	142	-	126	134	147	-
	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	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-
		DT	20	18	13	-	20	18	13	-	21	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-
		KW	3.99	4.07	4.18	-	4.27	4.35	4.48	-	4.52	4.61	4.75	-	4.73	4.83	4.98	-	4.92	5.02	5.18	-	5.08	5.19	5.35	-
		AMPS	14.0	14.3	14.8	-	15.1	15.5	16.0	-	16.4	16.8	17.4	-	17.6	18.0	18.6	-	18.7	19.2	19.8	-	19.9	20.4	21.0	-
		HI PR	216	232	245	-	242	261	275	-	275	296	313	-	314	338	356	-	353	380	401	-	390	420	443	-
		LO PR	98	104	114	-	103	110	120	-	108	114	125	-	113	120	131	-	118	126	137	-	122	130	142	-
75	2025	MBh	56.8	58.5	63.3	67.9	55.5	57.1	61.8	66.4	54.2	55.8	60.4	64.8	52.8	**54.4**	58.9	63.2	50.2	51.7	55.9	60.0	46.5	47.9	51.8	55.6
		S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	**0.84**	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43
		DT	22	20	17	12	22	21	17	12	22	21	17	12	23	**21**	17	12	22	20	17	12	21	19	16	11
		KW	4.14	4.22	4.34	4.47	4.43	4.52	4.66	4.80	4.69	4.79	4.94	5.09	4.92	**5.02**	5.18	5.34	5.12	5.22	5.39	5.56	5.29	5.40	5.57	5.75
		AMPS	14.6	15.0	15.5	16.1	15.8	16.2	16.8	17.4	17.2	17.7	18.2	18.9	18.4	**18.9**	19.5	20.3	19.6	20.1	20.8	21.6	20.8	21.3	22.1	22.9
		HI PR	227	244	258	269	255	274	289	302	290	312	329	343	330	**355**	375	391	371	399	422	440	410	441	466	486
		LO PR	103	110	120	127	109	116	126	135	113	120	131	140	119	**126**	138	147	125	132	145	154	129	137	150	159
	1800	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	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	**0.80**	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
		DT	23	21	17	12	23	21	18	12	23	21	18	12	23	**22**	18	12	23	21	17	12	22	20	16	11
		KW	4.11	4.19	4.31	4.44	4.40	4.49	4.62	4.76	4.66	4.75	4.90	5.05	4.89	**4.99**	5.14	5.30	5.08	5.18	5.34	5.51	5.24	5.35	5.52	5.70
		AMPS	14.5	14.8	15.3	15.9	15.7	16.1	16.6	17.2	17.1	17.5	18.1	18.8	18.3	**18.7**	19.3	20.1	19.5	19.9	20.6	21.4	20.6	21.1	21.9	22.7
		HI PR	225	242	255	266	252	271	287	299	287	309	326	340	327	**352**	371	387	368	396	418	436	406	437	461	481
		LO PR	102	108	118	126	108	115	125	133	112	119	130	139	118	**125**	137	146	123	131	143	152	128	136	148	158
	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	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	**0.77**	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39
		DT	23	22	18	12	24	22	18	12	24	22	18	12	24	**22**	18	12	24	22	18	12	22	20	17	11
		KW	4.02	4.10	4.22	4.34	4.30	4.39	4.52	4.65	4.55	4.64	4.78	4.93	4.77	**4.87**	5.02	5.17	4.96	5.06	5.22	5.38	5.12	5.23	5.39	5.56
		AMPS	14.1	14.4	14.9	15.5	15.3	15.6	16.1	16.8	16.6	17.0	17.6	18.2	17.7	**18.2**	18.8	19.5	18.9	19.4	20.0	20.8	20.0	20.5	21.2	22.1
		HI PR	218	235	248	258	245	263	278	290	278	299	316	330	317	**341**	360	376	357	384	405	423	394	424	448	467
		LO PR	99	105	115	122	105	111	121	129	109	116	126	134	114	**121**	133	141	120	127	139	148	124	132	144	153

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.

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: GSZ130601A* / AR*F48601**

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	2025	MBh	55.9	57.9	63.4	-	54.6	56.5	62.0	-	53.3	55.2	60.5	-	52.0	53.9	59.0	-	49.4	51.2	56.1	-	45.7	47.4	51.9	-
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-
		DT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
		KW	4.11	4.19	4.31	-	4.40	4.49	4.62	-	4.66	4.75	4.90	-	4.88	4.99	5.14	-	5.08	5.18	5.34	-	5.24	5.35	5.52	-
		AMPS	14.5	14.8	15.3	-	15.7	16.1	16.6	-	17.1	17.5	18.1	-	18.3	18.7	19.3	-	19.4	19.9	20.6	-	20.6	21.1	21.9	-
		HI PR	225	242	255	-	252	271	287	-	287	309	326	-	327	352	371	-	367	395	418	-	406	437	461	-
		LO PR	102	108	118	-	108	115	125	-	112	119	130	-	118	125	137	-	123	131	143	-	127	136	148	-
	1800	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	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
		DT	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		KW	4.08	4.16	4.28	-	4.37	4.46	4.59	-	4.62	4.72	4.86	-	4.85	4.95	5.10	-	5.04	5.14	5.30	-	5.20	5.31	5.48	-
		AMPS	14.4	14.7	15.2	-	15.5	15.9	16.5	-	16.9	17.3	17.9	-	18.1	18.5	19.2	-	19.3	19.7	20.4	-	20.4	20.9	21.7	-
		HI PR	222	239	253	-	250	269	284	-	284	306	323	-	323	348	368	-	364	392	413	-	402	433	457	-
		LO PR	101	107	117	-	107	113	124	-	111	118	129	-	116	124	135	-	122	130	142	-	126	134	147	-
	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	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-
		DT	20	18	13	-	20	18	13	-	21	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-
		KW	3.99	4.07	4.18	-	4.27	4.35	4.48	-	4.52	4.61	4.75	-	4.73	4.83	4.98	-	4.92	5.02	5.18	-	5.08	5.19	5.35	-
		AMPS	14.0	14.3	14.8	-	15.1	15.5	16.0	-	16.4	16.8	17.4	-	17.6	18.0	18.6	-	18.7	19.2	19.8	-	19.9	20.4	21.0	-
		HI PR	216	232	245	-	242	261	275	-	275	296	313	-	314	338	356	-	353	380	401	-	390	420	443	-
		LO PR	98	104	114	-	103	110	120	-	108	114	125	-	113	120	131	-	118	126	137	-	122	130	142	-
75	2025	MBh	56.8	58.5	63.3	67.9	55.5	57.1	61.8	66.4	54.2	55.8	60.4	64.8	52.8	**54.4**	58.9	63.2	50.2	51.7	55.9	60.0	46.5	47.9	51.8	55.6
		S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	**0.84**	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43
		DT	22	20	17	12	22	21	17	12	22	21	17	12	23	**21**	17	12	22	20	17	12	21	19	16	11
		KW	4.14	4.22	4.34	4.47	4.43	4.52	4.66	4.80	4.69	4.79	4.94	5.09	4.92	**5.02**	5.18	5.34	5.12	5.22	5.39	5.56	5.29	5.40	5.57	5.75
		AMPS	14.6	15.0	15.5	16.1	15.8	16.2	16.8	17.4	17.2	17.7	18.2	18.9	18.4	**18.9**	19.5	20.3	19.6	20.1	20.8	21.6	20.8	21.3	22.1	22.9
		HI PR	227	244	258	269	255	274	289	302	290	312	329	343	330	**355**	375	391	371	399	422	440	410	441	466	486
		LO PR	103	110	120	127	109	116	126	135	113	120	131	140	119	**126**	138	147	125	132	145	154	129	137	150	159
	1800	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	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	**0.80**	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
		DT	23	21	17	12	23	21	18	12	23	21	18	12	23	**22**	18	12	23	21	17	12	22	20	16	11
		KW	4.11	4.19	4.31	4.44	4.40	4.49	4.62	4.76	4.66	4.75	4.90	5.05	4.89	**4.99**	5.14	5.30	5.08	5.18	5.34	5.51	5.24	5.35	5.52	5.70
		AMPS	14.5	14.8	15.3	15.9	15.7	16.1	16.6	17.2	17.1	17.5	18.1	18.8	18.3	**18.7**	19.3	20.1	19.5	19.9	20.6	21.4	20.6	21.1	21.9	22.7
		HI PR	225	242	255	266	252	271	287	299	287	309	326	340	327	**352**	371	387	368	396	418	436	406	437	461	481
		LO PR	102	108	118	126	108	115	125	133	112	119	130	139	118	**125**	137	146	123	131	143	152	128	136	148	158
	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	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	**0.77**	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39
		DT	23	22	18	12	24	22	18	12	24	22	18	12	24	**22**	18	12	24	22	18	12	22	20	17	11
		KW	4.02	4.10	4.22	4.34	4.30	4.39	4.52	4.65	4.55	4.64	4.78	4.93	4.77	**4.87**	5.02	5.17	4.96	5.06	5.22	5.38	5.12	5.23	5.39	5.56
		AMPS	14.1	14.4	14.9	15.5	15.3	15.6	16.1	16.8	16.6	17.0	17.6	18.2	17.7	**18.2**	18.8	19.5	18.9	19.4	20.0	20.8	20.0	20.5	21.2	22.1
		HI PR	218	235	248	258	245	263	278	290	278	299	316	330	317	**341**	360	376	357	384	405	423	394	424	448	467
		LO PR	99	105	115	122	105	111	121	129	109	116	126	134	114	**121**	133	141	120	127	139	148	124	132	144	153

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.

EXPANDED PERFORMANCE DATA

MODEL: GSZ130603A* /AR*F486016**

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	2025	MBh	55.9	57.9	63.4	-	54.6	56.5	62.0	-	53.3	55.2	60.5	-	52.0	53.9	59.0	-	49.4	51.2	56.1	-	45.7	47.4	51.9	-
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-
		DT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
		KW	4.06	4.14	4.26	-	4.35	4.44	4.57	-	4.61	4.70	4.85	-	4.84	4.94	5.09	-	5.03	5.14	5.30	-	5.20	5.31	5.48	-
		AMPS	8.4	8.6	8.8	-	9.0	9.2	9.6	-	9.8	10.1	10.4	-	10.5	10.8	11.1	-	11.2	11.4	11.8	-	11.8	12.1	12.5	-
		HI PR	225	242	255	-	252	271	287	-	287	309	326	-	327	352	371	-	367	395	418	-	406	437	461	-
		LO PR	102	108	118	-	108	115	125	-	112	119	130	-	118	125	137	-	123	131	143	-	127	136	148	-
	1800	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	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
		DT	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		KW	4.03	4.11	4.23	-	4.32	4.41	4.54	-	4.57	4.67	4.81	-	4.80	4.90	5.05	-	4.99	5.10	5.26	-	5.16	5.27	5.43	-
		AMPS	8.3	8.5	8.8	-	8.9	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	-
		HI PR	222	239	253	-	250	269	284	-	284	306	323	-	323	348	368	-	364	392	413	-	402	433	457	-
		LO PR	101	107	117	-	107	113	124	-	111	118	129	-	116	124	135	-	122	130	142	-	126	134	147	-
	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	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-
		DT	20	18	13	-	20	18	13	-	21	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-
		KW	3.94	4.02	4.13	-	4.22	4.30	4.43	-	4.47	4.56	4.70	-	4.69	4.78	4.93	-	4.87	4.98	5.13	-	5.03	5.14	5.30	-
		AMPS	8.1	8.2	8.5	-	8.7	8.9	9.2	-	9.5	9.7	10.0	-	10.1	10.4	10.7	-	10.8	11.0	11.4	-	11.4	11.7	12.1	-
		HI PR	216	232	245	-	242	261	275	-	275	296	313	-	314	338	356	-	353	380	401	-	390	420	443	-
		LO PR	98	104	114	-	103	110	120	-	108	114	125	-	113	120	131	-	118	126	137	-	122	130	142	-
75	2025	MBh	56.80	58.48	63.30	67.94	55.48	57.12	61.83	66.36	54.16	55.76	60.36	64.78	52.84	54.40	58.89	63.20	50.20	51.68	55.94	60.04	46.50	47.87	51.82	55.62
		S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43
		DT	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11
		KW	4.09	4.17	4.29	4.42	4.38	4.47	4.61	4.75	4.65	4.74	4.89	5.04	4.88	4.98	5.13	5.30	5.07	5.18	5.34	5.52	5.24	5.35	5.52	5.70
		AMPS	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.9	10.2	10.5	10.9	10.6	10.9	11.2	11.6	11.3	11.6	11.9	12.4	12.0	12.3	12.7	13.2
		HI PR	227	244	258	269	255	274	289	302	290	312	329	343	330	355	375	391	371	399	422	440	410	441	466	486
		LO PR	103	110	120	127	109	116	126	135	113	120	131	140	119	126	138	147	125	132	145	154	129	137	150	159
	1800	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	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	**0.80**	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
		DT	23	21	17	12	23	21	18	12	23	21	18	12	23	**22**	18	12	23	21	17	12	22	20	16	11
		KW	4.06	4.14	4.26	4.39	4.35	4.44	4.57	4.72	4.61	4.71	4.85	5.00	4.84	**4.94**	5.09	5.26	5.03	5.14	5.30	5.47	5.20	5.31	5.48	5.66
		AMPS	8.4	8.6	8.8	9.2	9.0	9.3	9.6	9.9	9.8	10.1	10.4	10.8	10.5	**10.8**	11.1	11.5	11.2	11.5	11.8	12.3	11.8	12.1	12.5	13.0
		HI PR	225	242	255	266	252	271	287	299	287	309	326	340	327	**352**	371	387	368	396	418	436	406	437	461	481
		LO PR	102	108	118	126	108	115	125	133	112	119	130	139	118	**125**	137	146	123	131	143	152	128	136	148	158
	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	48.75	52.8	56.6	45.0	46.3	50.1	53.8	41.7	42.9	46.4	49.8
		S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39
		DT	23	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	22	20	17	11
		KW	3.97	4.05	4.17	4.29	4.25	4.34	4.47	4.61	4.50	4.60	4.74	4.88	4.72	4.82	4.97	5.13	4.91	5.02	5.17	5.34	5.07	5.18	5.35	5.52
		AMPS	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.5	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	12.7
		HI PR	218	235	248	258	245	263	278	290	278	299	316	330	317	341	360	376	357	384	405	423	394	424	448	467
		LO PR	99	105	115	122	105	111	121	129	109	116	126	134	114	121	133	141	120	127	139	148	124	132	144	153

Shaded area is ACCA (TVA) conditions

IDB: Entering Indoor Dry Bulb Temperature

KW=Total system pow er

AMPS=outdoor unit amps (comp.+fan)

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

EXPANDED PERFORMANCE DATA

MODEL: GSZ130603A* /AR*F486016**

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	2025	MBh	57.81	59.07	63.11	67.47	56.47	57.70	61.65	65.90	55.12	56.33	60.18	64.33	53.78	54.95	58.71	62.76	51.09	52.20	55.77	59.62	47.32	48.36	51.66	55.23
		S/T	0.94	0.88	0.72	0.54	1.00	0.91	0.74	0.56	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62
		DT	25	24	21	16	26	24	21	17	25	24	21	17	24	24	21	17	23	24	21	17	21	22	19	15
		KW	4.12	4.20	4.33	4.46	4.42	4.51	4.65	4.79	4.68	4.78	4.93	5.08	4.92	5.02	5.18	5.34	5.11	5.22	5.39	5.56	5.28	5.40	5.57	5.75
		AMPS	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	10.0	10.2	10.6	11.0	10.7	11.0	11.3	11.8	11.4	11.7	12.1	12.5	12.1	12.4	12.8	13.3
		HI PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	414	446	471	491
		LO PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	139	148	126	134	146	156	130	138	151	161
	1800	MBh	56.1	57.4	61.3	65.5	54.8	56.0	59.9	64.0	53.5	54.7	58.4	62.5	52.2	53.4	**57.0**	60.9	49.6	50.7	54.2	57.9	45.9	46.9	50.2	53.6
		S/T	0.90	0.84	0.68	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	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59
		DT	26	25	21	17	26	25	22	17	26	25	22	17	26	25	**22**	17	25	25	22	17	23	23	20	16
		KW	4.09	4.17	4.29	4.42	4.38	4.47	4.61	4.75	4.65	4.74	4.89	5.04	4.88	4.98	**5.14**	5.30	5.07	5.18	5.34	5.52	5.24	5.35	5.52	5.70
		AMPS	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.9	10.2	10.5	10.9	10.6	10.9	**11.2**	11.6	11.3	11.6	11.9	12.4	12.0	12.3	12.7	13.2
		HI PR	227	244	258	269	255	274	290	302	290	312	329	343	330	355	**375**	391	371	400	422	440	410	441	466	486
		LO PR	103	110	120	127	109	116	126	135	113	120	131	140	119	126	**138**	147	125	132	145	154	129	137	150	159
	1575	MBh	51.8	52.9	56.6	60.5	50.6	51.7	55.2	59.1	49.4	50.5	53.9	57.6	48.2	49.2	52.6	56.2	45.8	46.8	50.0	53.4	42.4	43.3	46.3	49.5
		S/T	0.86	0.81	0.66	0.49	0.90	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.76	0.57
		DT	26	25	22	17	26	25	22	18	26	25	22	18	27	26	22	18	26	25	22	17	25	24	20	16
		KW	4.00	4.08	4.20	4.32	4.28	4.37	4.50	4.64	4.54	4.63	4.77	4.92	4.76	4.86	5.01	5.17	4.95	5.06	5.21	5.38	5.12	5.22	5.39	5.56
		AMPS	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.6	9.9	10.2	10.6	10.3	10.6	10.9	11.3	11.0	11.2	11.6	12.1	11.6	11.9	12.3	12.8
		HI PR	220	237	250	261	247	266	281	293	281	302	319	333	320	344	364	379	360	388	409	427	398	428	452	472
		LO PR	100	106	116	124	106	112	123	131	110	117	127	136	115	123	134	143	121	129	140	149	125	133	145	155
85	2025	MBh	58.82	59.96	62.80	67.00	57.45	58.57	61.34	65.44	56.09	57.17	59.88	63.88	54.72	55.78	58.42	62.32	51.98	52.99	55.50	59.21	48.15	49.08	51.41	54.84
		S/T	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80
		DT	26	26	24	21	26	26	25	21	25	26	25	21	25	25	25	22	24	24	25	21	22	22	23	20
		KW	4.15	4.23	4.36	4.49	4.45	4.54	4.68	4.83	4.72	4.82	4.97	5.12	4.95	5.06	5.22	5.38	5.15	5.26	5.43	5.61	5.33	5.44	5.61	5.80
		AMPS	8.6	8.8	9.1	9.4	9.3	9.5	9.8	10.2	10.1	10.3	10.7	11.1	10.8	11.1	11.4	11.9	11.5	11.8	12.2	12.6	12.2	12.5	12.9	13.4
		HI PR	232	249	263	275	260	280	295	308	296	318	336	350	337	362	383	399	379	408	430	449	418	450	475	496
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	148	157	131	140	153	163
	1800	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	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		DT	27	27	25	22	28	27	26	22	28	27	26	22	27	27	26	22	26	26	26	22	24	24	24	21
		KW	4.12	4.20	4.33	4.46	4.42	4.51	4.65	4.79	4.68	4.78	4.93	5.08	4.92	5.02	5.18	5.34	5.11	5.22	5.39	5.56	5.28	5.40	5.57	5.75
		AMPS	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	10.0	10.2	10.6	11.0	10.7	11.0	11.3	11.8	11.4	11.7	12.1	12.5	12.1	12.4	12.8	13.3
		HI PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	414	446	471	491
		LO PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	139	148	126	134	146	156	130	138	151	161
	1575	MBh	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	0.91	0.87	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.91	0.73
		DT	28	27	26	22	28	28	26	23	28	28	26	23	28	28	26	23	27	28	26	23	25	26	24	21
		KW	4.03	4.11	4.23	4.36	4.32	4.40	4.54	4.68	4.57	4.67	4.81	4.96	4.80	4.90	5.05	5.21	4.99	5.10	5.26	5.43	5.16	5.27	5.43	5.61
		AMPS	8.3	8.5	8.8	9.1	8.9	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
		HI PR	222	239	253	264	250	269	284	296	284	305	323	336	323	348	367	383	364	391	413	431	402	432	457	476
		LO PR	101	107	117	125	107	113	124	132	111	118	129	137	116	124	135	144	122	130	142	151	126	134	147	156

Shaded area is AHRI Rating Conditions

IDB: Entering Indoor Dry Bulb Temperature

KW=Total system pow er

AMPS=outdoor unit amps (comp.+fan)

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

EXPANDED PERFORMANCE DATA

MODEL: GSZ130604A* /AR*F486016**

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	2025	MBh	55.9	57.9	63.4	-	54.6	56.5	62.0	-	53.3	55.2	60.5	-	52.0	53.9	59.0	-	49.4	51.2	56.1	-	45.7	47.4	51.9	-
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-
		DT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
		KW	4.06	4.14	4.26	-	4.35	4.44	4.57	-	4.61	4.70	4.85	-	4.84	4.94	5.09	-	5.03	5.14	5.30	-	5.20	5.31	5.48	-
		AMPS	4.6	4.7	4.9	-	5.0	5.1	5.2	-	5.4	5.5	5.7	-	5.7	5.8	6.0	-	6.1	6.2	6.4	-	6.4	6.5	6.8	-
		HI PR	225	242	255	-	252	271	287	-	287	309	326	-	327	352	371	-	367	395	418	-	406	437	461	-
		LO PR	102	108	118	-	108	115	125	-	112	119	130	-	118	125	137	-	123	131	143	-	127	136	148	-
	1800	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	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
		DT	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		KW	4.03	4.11	4.23	-	4.32	4.41	4.54	-	4.57	4.67	4.81	-	4.80	4.90	5.05	-	4.99	5.10	5.26	-	5.16	5.27	5.43	-
		AMPS	4.6	4.7	4.8	-	4.9	5.0	5.2	-	5.3	5.4	5.6	-	5.7	5.8	6.0	-	6.0	6.1	6.3	-	6.3	6.5	6.7	-
		HI PR	222	239	253	-	250	269	284	-	284	306	323	-	323	348	368	-	364	392	413	-	402	433	457	-
		LO PR	101	107	117	-	107	113	124	-	111	118	129	-	116	124	135	-	122	130	142	-	126	134	147	-
	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	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-
		DT	20	18	13	-	20	18	13	-	21	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-
		KW	3.94	4.02	4.13	-	4.22	4.30	4.43	-	4.47	4.56	4.70	-	4.69	4.78	4.93	-	4.87	4.98	5.13	-	5.03	5.14	5.30	-
		AMPS	4.5	4.6	4.7	-	4.8	4.9	5.1	-	5.2	5.3	5.5	-	5.5	5.6	5.8	-	5.8	6.0	6.2	-	6.2	6.3	6.5	-
		HI PR	216	232	245	-	242	261	275	-	275	296	313	-	314	338	356	-	353	380	401	-	390	420	443	-
		LO PR	98	104	114	-	103	110	120	-	108	114	125	-	113	120	131	-	118	126	137	-	122	130	142	-
75	2025	MBh	56.80	58.48	63.30	67.94	55.48	57.12	61.83	66.36	54.16	55.76	60.36	64.78	52.84	54.40	58.89	63.20	50.20	51.68	55.94	60.04	46.50	47.87	51.82	55.62
		S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43
		DT	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11
		KW	4.09	4.17	4.29	4.42	4.38	4.47	4.61	4.75	4.65	4.74	4.89	5.04	4.88	4.98	5.13	5.30	5.07	5.18	5.34	5.52	5.24	5.35	5.52	5.70
		AMPS	4.7	4.8	4.9	5.1	5.0	5.1	5.3	5.5	5.4	5.5	5.7	5.9	5.8	5.9	6.1	6.3	6.1	6.3	6.4	6.7	6.5	6.6	6.8	7.1
		HI PR	227	244	258	269	255	274	289	302	290	312	329	343	330	355	375	391	371	399	422	440	410	441	466	486
		LO PR	103	110	120	127	109	116	126	135	113	120	131	140	119	126	138	147	125	132	145	154	129	137	150	159
	1800	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	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	**0.80**	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
		DT	23	21	17	12	23	21	18	12	23	21	18	12	23	**22**	18	12	23	21	17	12	22	20	16	11
		KW	4.06	4.14	4.26	4.39	4.35	4.44	4.57	4.72	4.61	4.71	4.85	5.00	4.84	**4.94**	5.09	5.26	5.03	5.14	5.30	5.47	5.20	5.31	5.48	5.66
		AMPS	4.6	4.7	4.9	5.0	5.0	5.1	5.2	5.4	5.4	5.5	5.7	5.9	5.7	**5.8**	6.0	6.2	6.1	6.2	6.4	6.6	6.4	6.5	6.8	7.0
		HI PR	225	242	255	266	252	271	287	299	287	309	326	340	327	**352**	371	387	368	396	418	436	406	437	461	481
		LO PR	102	108	118	126	108	115	125	133	112	119	130	139	118	**125**	137	146	123	131	143	152	128	136	148	158
	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	48.75	52.8	56.6	45.0	46.3	50.1	53.8	41.7	42.9	46.4	49.8
		S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39
		DT	23	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	22	20	17	11
		KW	3.97	4.05	4.17	4.29	4.25	4.34	4.47	4.61	4.50	4.60	4.74	4.88	4.72	4.82	4.97	5.13	4.91	5.02	5.17	5.34	5.07	5.18	5.35	5.52
		AMPS	4.5	4.6	4.7	4.9	4.8	5.0	5.1	5.3	5.2	5.4	5.5	5.7	5.6	5.7	5.9	6.1	5.9	6.0	6.2	6.4	6.2	6.4	6.6	6.8
		HI PR	218	235	248	258	245	263	278	290	278	299	316	330	317	341	360	376	357	384	405	423	394	424	448	467
		LO PR	99	105	115	122	105	111	121	129	109	116	126	134	114	121	133	141	120	127	139	148	124	132	144	153

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.

EXPANDED PERFORMANCE DATA

MODEL: GSZ130604A* /AR*F486016**

COOLING OPERATION

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	2025	MBh	57.81	59.07	63.11	67.47	56.47	57.70	61.65	65.90	55.12	56.33	60.18	64.33	53.78	54.95	58.71	62.76	51.09	52.20	55.77	59.62	47.32	48.36	51.66	55.23
		S/T	0.94	0.88	0.72	0.54	1.00	0.91	0.74	0.56	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62
		DT	25	24	21	16	26	24	21	17	25	24	21	17	24	24	21	17	23	24	21	17	21	22	19	15
		KW	4.12	4.20	4.33	4.46	4.42	4.51	4.65	4.79	4.68	4.78	4.93	5.08	4.92	5.02	5.18	5.34	5.11	5.22	5.39	5.56	5.28	5.40	5.57	5.75
		AMPS	4.7	4.8	5.0	5.1	5.1	5.2	5.3	5.5	5.5	5.6	5.8	6.0	5.8	5.9	6.1	6.4	6.2	6.3	6.5	6.7	6.5	6.7	6.9	7.1
		HI PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	414	446	471	491
		LO PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	139	148	126	134	146	156	130	138	151	161
	1800	MBh	56.1	57.4	61.3	65.5	54.8	56.0	59.9	64.0	53.5	54.7	58.4	62.5	52.2	53.4	**57.0**	60.9	49.6	50.7	54.2	57.9	45.9	46.9	50.2	53.6
		S/T	0.90	0.84	0.68	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	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59
		DT	26	25	21	17	26	25	22	17	26	25	22	17	26	25	**22**	17	25	25	22	17	23	23	20	16
		KW	4.09	4.17	4.29	4.42	4.38	4.47	4.61	4.75	4.65	4.74	4.89	5.04	4.88	4.98	**5.14**	5.30	5.07	5.18	5.34	5.52	5.24	5.35	5.52	5.70
		AMPS	4.7	4.8	4.9	5.1	5.0	5.1	5.3	5.5	5.4	5.5	5.7	5.9	5.8	5.9	**6.1**	6.3	6.1	6.3	6.4	6.7	6.5	6.6	6.8	7.1
		HI PR	227	244	258	269	255	274	290	302	290	312	329	343	330	355	**375**	391	371	400	422	440	410	441	466	486
		LO PR	103	110	120	127	109	116	126	135	113	120	131	140	119	126	**138**	147	125	132	145	154	129	137	150	159
	1575	MBh	51.8	52.9	56.6	60.5	50.6	51.7	55.2	59.1	49.4	50.5	53.9	57.6	48.2	49.2	52.6	56.2	45.8	46.8	50.0	53.4	42.4	43.3	46.3	49.5
		S/T	0.86	0.81	0.66	0.49	0.90	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.76	0.57
		DT	26	25	22	17	26	25	22	18	26	25	22	18	27	26	22	18	26	25	22	17	25	24	20	16
		KW	4.00	4.08	4.20	4.32	4.28	4.37	4.50	4.64	4.54	4.63	4.77	4.92	4.76	4.86	5.01	5.17	4.95	5.06	5.21	5.38	5.12	5.22	5.39	5.56
		AMPS	4.6	4.7	4.8	5.0	4.9	5.0	5.1	5.3	5.3	5.4	5.6	5.8	5.6	5.7	5.9	6.1	6.0	6.1	6.3	6.5	6.3	6.4	6.6	6.9
		HI PR	220	237	250	261	247	266	281	293	281	302	319	333	320	344	364	379	360	388	409	427	398	428	452	472
		LO PR	100	106	116	124	106	112	123	131	110	117	127	136	115	123	134	143	121	129	140	149	125	133	145	155
85	2025	MBh	58.82	59.96	62.80	67.00	57.45	58.57	61.34	65.44	56.09	57.17	59.88	63.88	54.72	55.78	58.42	62.32	51.98	52.99	55.50	59.21	48.15	49.08	51.41	54.84
		S/T	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80
		DT	26	26	24	21	26	26	25	21	25	26	25	21	25	25	25	22	24	24	25	21	22	22	23	20
		KW	4.15	4.23	4.36	4.49	4.45	4.54	4.68	4.83	4.72	4.82	4.97	5.12	4.95	5.06	5.22	5.38	5.15	5.26	5.43	5.61	5.33	5.44	5.61	5.80
		AMPS	4.7	4.8	5.0	5.2	5.1	5.2	5.4	5.6	5.5	5.6	5.8	6.0	5.9	6.0	6.2	6.4	6.2	6.4	6.6	6.8	6.6	6.7	6.9	7.2
		HI PR	232	249	263	275	260	280	295	308	296	318	336	350	337	362	383	399	379	408	430	449	418	450	475	496
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	148	157	131	140	153	163
	1800	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	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		DT	27	27	25	22	28	27	26	22	28	27	26	22	27	27	26	22	26	26	26	22	24	24	24	21
		KW	4.12	4.20	4.33	4.46	4.42	4.51	4.65	4.79	4.68	4.78	4.93	5.08	4.92	5.02	5.18	5.34	5.11	5.22	5.39	5.56	5.28	5.40	5.57	5.75
		AMPS	4.7	4.8	5.0	5.1	5.1	5.2	5.3	5.5	5.5	5.6	5.8	6.0	5.8	5.9	6.1	6.4	6.2	6.3	6.5	6.7	6.5	6.7	6.9	7.1
		HI PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	414	446	471	491
		LO PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	139	148	126	134	146	156	130	138	151	161
	1575	MBh	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	0.91	0.87	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.91	0.73
		DT	28	27	26	22	28	28	26	23	28	28	26	23	28	28	26	23	27	28	26	23	25	26	24	21
		KW	4.03	4.11	4.23	4.36	4.32	4.40	4.54	4.68	4.57	4.67	4.81	4.96	4.80	4.90	5.05	5.21	4.99	5.10	5.26	5.43	5.16	5.27	5.43	5.61
		AMPS	4.6	4.7	4.8	5.0	4.9	5.0	5.2	5.4	5.3	5.4	5.6	5.8	5.7	5.8	6.0	6.2	6.0	6.1	6.3	6.6	6.3	6.5	6.7	6.9
		HI PR	222	239	253	264	250	269	284	296	284	305	323	336	323	348	367	383	364	391	413	431	402	432	457	476
		LO PR	101	107	117	125	107	113	124	132	111	118	129	137	116	124	135	144	122	130	142	151	126	134	147	156

Shaded area is AHRI 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.

EXPANDED PERFORMANCE DATA

MODEL: G/VSZ130181A* / AR*F182416**

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	21.4	20.2	19.0	17.8	**17.0**	16.5	15.3	14.1	13.3	12.3	11.3	10.7	10.3	9.2	8.2	7.2	6.1	5.0
DELTA T	33.0	31.2	29.4	27.5	26.2	25.4	23.6	21.8	20.6	19.0	17.5	16.5	15.9	14.3	12.7	11.0	9.4	7.7
KW	1.68	1.64	1.61	1.58	**1.56**	1.54	1.51	1.48	1.46	1.42	1.39	1.37	1.36	1.32	1.29	1.26	1.23	1.19
AMPS	7.3	6.7	6.3	5.9	5.7	5.6	5.3	5.0	4.8	4.6	4.3	4.2	4.2	4.0	3.7	3.5	3.2	2.9
COP	3.73	3.60	3.46	3.30	3.19	3.12	2.96	2.79	2.68	2.53	2.39	2.29	2.22	2.04	1.86	1.66	1.46	1.22
EER	12.8	12.3	11.8	11.3	10.9	10.7	10.1	9.5	9.2	8.7	8.2	7.8	7.6	7.0	6.3	5.7	5.0	4.2

High pressure is measured at the liquid service valve (the smaller valve).
Low pressure is measured at the gauge port connection.
Calculations are based on nominal CFM and 70 °F indoor dry bulb.

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

Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temberature

HEATING MODE

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	
		Liquid Valve & Compressor Suction Pressure																					
		Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct
530	65	268	63	284	71	300	79	316	86	332	94	348	102	364	110	381	117	397	125	413	133	430	141
	70	287	63	304	71	321	78	337	86	354	94	370	101	387	109	404	117	420	125	437	132	454	140
	75	308	63	325	70	343	78	360	86	377	93	394	101	411	109	428	117	445	124	462	132	479	140
600	65	259	63	274	70	289	78	305	86	321	93	336	101	352	109	368	116	383	124	399	132	415	139
	70	278	63	294	71	310	78	326	86	342	94	358	101	374	109	390	117	406	124	422	132	438	140
	75	298	63	314	71	331	79	348	86	364	94	381	102	397	110	414	117	430	125	446	133	462	140
680	65	252	62	267	70	282	78	297	85	313	93	328	101	343	108	358	116	374	124	389	132	405	139
	70	271	63	286	71	302	78	318	86	333	94	349	101	365	109	380	117	396	124	412	132	427	140
	75	290	63	307	71	323	79	339	86	355	94	371	102	387	109	403	117	419	125	435	132	451	140

EXPANDED PERFORMANCE DATA

MODEL: G/VSZ130241A* / AR*F182416**

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	28.9	27.4	25.8	24.1	**23.0**	22.3	20.7	19.1	16.7	15.4	14.2	13.4	12.9	11.6	10.3	9.0	7.6	6.3
DELTA T	32.6	30.9	29.1	27.2	26.0	25.2	23.4	21.6	18.9	17.4	16.0	15.1	14.6	13.1	11.6	10.1	8.6	7.1
KW	2.20	2.15	2.11	2.07	**2.04**	2.02	1.98	1.94	1.75	1.71	1.67	1.65	1.63	1.59	1.56	1.52	1.48	1.44
AMPS	9.7	9.0	8.4	7.9	7.6	7.5	7.0	6.7	6.4	6.1	5.8	5.6	5.6	5.3	4.9	4.6	4.3	3.8
COP	3.85	3.72	3.57	3.41	3.30	3.23	3.06	2.89	2.79	2.63	2.48	2.38	2.31	2.13	1.93	1.73	1.51	1.27
EER	13.2	12.7	12.2	11.7	11.3	11.0	10.5	9.9	9.5	9.0	8.5	8.1	7.9	7.3	6.6	5.9	5.2	4.4
HI PR	407	390	375	358	350	343	330	317	303	290	278	272	267	257	247	237	228	220
LO PR	135	126	118	108	102	98	90	80	73	65	57	53	51	43	37	31	27	22

High pressure is measured at the liquid service valve (the smaller valve).
Low pressure is measured at the gauge port connection.
Calculations are based on nominal CFM and 70 °F indoor dry bulb.

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

*Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temberature

EXPANDED PERFORMANCE DATA

MODEL: G/VSZ130241B*/ AR*F182416**

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	28.9	27.4	25.8	24.1	**23.0**	22.3	20.7	19.1	16.9	15.6	14.3	13.6	13.0	11.7	10.4	9.1	7.7	6.3
DELTA T	33.5	31.7	29.8	27.9	26.6	25.8	24.0	22.1	19.5	18.0	16.6	15.7	15.1	13.6	12.0	10.5	8.9	7.3
KW	2.17	2.12	2.08	2.04	**2.02**	2.00	1.96	1.91	1.80	1.76	1.72	1.70	1.68	1.64	1.60	1.57	1.52	1.49
AMPS	10.1	9.3	8.7	8.2	7.9	7.7	7.3	6.9	6.6	6.3	6.0	5.9	5.8	5.5	5.2	4.9	4.5	4.0
COP	3.91	3.77	3.62	3.46	3.34	3.27	3.10	2.92	2.74	2.59	2.44	2.33	2.27	2.08	1.89	1.69	1.48	1.25
EER	13.3	12.9	12.4	11.8	11.4	11.2	10.6	10.0	9.4	8.8	8.3	8.0	7.7	7.1	6.5	5.8	5.1	4.3

High pressure is measured at the liquid service valve (the smaller valve).
Low pressure is measured at the gauge port connection.
Calculations are based on nominal CFM and 70 °F indoor dry bulb.

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

*Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temberature

HEATING MODE

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	
		Liquid Valve & Compressor Suction Pressure																					
		Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct
700	65	261	59	277	66	293	73	308	80	324	87	340	95	356	102	372	109	388	116	404	124	420	131
	70	280	58	297	66	313	73	329	80	346	87	362	94	378	102	395	109	411	116	427	123	444	130
	75	301	58	318	65	335	73	352	80	368	87	385	94	402	101	419	108	435	116	452	123	468	130
800	65	252	58	267	65	283	72	298	80	313	87	329	94	344	101	360	108	375	115	391	123	406	130
	70	271	58	287	66	303	73	318	80	334	87	350	94	366	101	381	109	397	116	413	123	429	130
	75	291	59	307	66	323	73	340	80	356	88	372	95	388	102	404	109	420	116	436	123	452	131
900	65	246	58	261	65	276	72	290	79	305	87	320	94	335	101	351	108	366	115	381	122	396	130
	70	264	58	280	66	295	73	310	80	326	87	341	94	356	101	372	108	387	116	403	123	418	130
	75	283	59	299	66	315	73	331	80	347	87	363	95	379	102	394	109	410	116	426	123	441	130

EXPANDED PERFORMANCE DATA

MODEL: G/VSZ130301A* / AR*F30301**

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	33.2	31.4	29.6	27.6	**26.4**	25.6	23.8	21.9	19.9	18.4	16.9	16.0	15.4	13.8	12.3	10.7	9.1	7.5
DELTA T	29.3	27.7	26.1	24.4	23.3	22.6	21.0	19.3	17.6	16.2	14.9	14.1	13.6	12.2	10.8	9.4	8.0	6.6
KW	2.52	2.47	2.42	2.37	**2.35**	2.32	2.28	2.23	2.37	2.32	2.26	2.23	2.21	2.16	2.11	2.05	2.00	1.95
AMPS	9.7	9.0	8.5	8.0	7.7	7.6	7.2	6.9	6.6	6.3	6.0	5.9	5.8	5.6	5.2	5.0	4.6	4.2
COP	3.86	3.72	3.57	3.41	3.29	3.22	3.05	2.88	2.46	2.32	2.19	2.10	2.04	1.88	1.70	1.52	1.34	1.12
EER	13.2	12.7	12.2	11.6	11.3	11.0	10.4	9.8	8.4	7.9	7.5	7.2	7.0	6.4	5.8	5.2	4.6	3.8

High pressure is measured at the liquid service valve (the smaller valve).
Low pressure is measured at the gauge port connection.
Calculations are based on nominal CFM and 70 °F indoor dry bulb.

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

Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temberature

HEATING MODE

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	
		Liquid Valve & Compressor Suction Pressure																					
		Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct
880	65	260	59	273	66	286	73	300	80	313	87	327	95	340	102	354	109	368	116	381	123	395	130
	70	279	59	293	66	306	73	320	80	334	87	348	94	362	101	376	109	389	116	403	123	417	130
	75	299	58	313	66	328	73	342	80	356	87	370	94	384	101	398	108	412	115	426	122	440	130
1000	65	251	58	264	65	277	72	290	80	303	87	316	94	329	101	342	108	355	115	369	122	382	129
	70	269	59	283	66	296	73	309	80	323	87	336	94	350	101	363	108	376	115	390	123	403	130
	75	289	59	303	66	316	73	330	80	344	87	358	95	371	102	385	109	398	116	412	123	425	130
1130	65	245	58	257	65	270	72	282	79	295	87	308	94	321	101	333	108	346	115	359	122	372	129
	70	263	59	276	66	289	73	302	80	315	87	328	94	341	101	354	108	367	115	380	122	393	129
	75	282	59	295	66	309	73	322	80	335	87	349	95	362	102	375	109	388	116	401	123	415	130

EXPANDED PERFORMANCE DATA

MODEL: G/VSZ130361A* / AR*F364216**

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	42.7	40.5	38.1	35.6	**34.0**	32.9	30.6	28.2	19.9	18.4	16.9	16.0	15.4	13.8	12.3	10.7	9.1	7.5
DELTA T	31.0	29.4	27.7	25.9	24.7	23.9	22.2	20.5	14.5	13.4	12.3	11.6	11.2	10.0	8.9	7.8	6.6	5.4
KW	3.07	3.01	2.96	2.90	**2.87**	2.85	2.79	2.74	2.82	2.76	2.70	2.67	2.64	2.58	2.52	2.46	2.40	2.35
AMPS	14.2	13.2	12.3	11.6	11.2	11.0	10.4	9.9	9.4	9.0	8.6	8.4	8.3	7.9	7.4	7.0	6.5	5.8
COP	4.07	3.93	3.77	3.59	3.47	3.39	3.21	3.02	2.07	1.95	1.84	1.76	1.71	1.57	1.42	1.27	1.11	0.93
EER	13.9	13.4	12.9	12.3	11.8	11.6	11.0	10.3	7.1	6.7	6.3	6.0	5.8	5.4	4.9	4.3	3.8	3.2
HI PR	372	356	343	328	320	314	302	290	277	265	254	248	244	235	226	216	209	201
LO PR	133	123	115	106	100	96	89	79	71	64	56	52	50	42	37	31	27	21

High pressure is measured at the liquid service valve (the smaller valve).
Low pressure is measured at the gauge port connection.
Calculations are based on nominal CFM and 70 °F indoor dry bulb.

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

*Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temberature

EXPANDED PERFORMANCE DATA

MODEL: G/VSZ130361B* / AR*F364216**

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	42.7	40.5	38.1	35.6	34.0	32.9	30.6	28.2	26.2	24.2	22.2	21.0	20.2	18.1	16.1	14.0	12.0	9.8
Delta T	33.0	31.2	29.4	27.5	26.2	25.4	23.6	21.8	20.2	18.6	17.2	16.2	15.6	14.0	12.4	10.8	9.2	7.6
KW	3.09	3.03	2.97	2.90	2.87	2.84	2.79	2.73	2.70	2.64	2.58	2.54	2.52	2.45	2.39	2.33	2.27	2.21
AMPS	14.0	13.0	12.1	11.4	11.0	10.8	10.2	9.7	9.3	8.8	8.4	8.2	8.1	7.7	7.2	6.8	6.3	5.6
COP	4.05	3.91	3.76	3.59	3.47	3.39	3.21	3.03	2.84	2.68	2.53	2.42	2.35	2.16	1.97	1.76	1.54	1.30
EER	13.8	13.4	12.8	12.3	11.8	11.6	11.0	10.4	9.7	9.2	8.6	8.3	8.0	7.4	6.7	6.0	5.3	4.4

High pressure is measured at the liquid service valve (the smaller valve).
Low pressure is measured at the gauge port connection.
Calculations are based on nominal CFM and 70 °F indoor dry bulb.

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

Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temberature

HEATING MODE

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	
		Liquid Valve & Compressor Suction Pressure																					
		Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct
1050	65	258	59	269	66	280	72	292	79	303	86	315	93	326	99	338	106	349	113	361	119	372	126
	70	277	59	288	66	300	72	312	79	323	86	335	92	347	99	358	106	370	112	381	119	393	126
	75	297	59	309	65	321	72	332	79	344	85	356	92	368	99	380	105	391	112	403	119	415	125
1200	65	249	59	260	65	271	72	282	78	293	85	304	92	315	98	326	105	337	112	349	118	360	125
	70	267	59	279	66	290	72	301	79	312	85	324	92	335	99	346	105	357	112	369	119	380	125
	75	287	59	298	66	310	73	321	79	333	86	344	93	356	99	367	106	378	112	390	119	401	126
1350	65	243	59	253	65	264	72	275	78	286	85	296	92	307	98	318	105	329	111	340	118	351	125
	70	261	59	272	66	283	72	294	79	305	85	315	92	326	99	337	105	348	112	359	118	370	125
	75	279	59	291	66	302	73	313	79	324	86	336	92	347	99	358	106	369	112	380	119	391	125

MODEL: GSZ130363A* / AR*F364216**

EXPANDED PERFORMANCE DATA

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	42.7	40.5	38.1	35.6	**34.0**	32.9	30.6	28.2	19.9	18.4	16.9	16.0	15.4	13.8	12.3	10.7	9.1	7.5
DELTA T	31.0	29.4	27.7	25.9	24.7	23.9	22.2	20.5	14.5	13.4	12.3	11.6	11.2	10.0	8.9	7.8	6.6	5.4
KW	2.90	2.84	2.79	2.73	**2.70**	2.68	2.63	2.58	2.42	2.37	2.32	2.29	2.27	2.22	2.17	2.12	2.07	2.02
AMPS	9.9	9.2	8.7	8.2	7.9	7.8	7.4	7.0	6.7	6.5	6.2	6.0	6.0	5.7	5.3	5.1	4.7	4.3
COP	4.32	4.17	4.00	3.81	3.68	3.60	3.41	3.21	2.41	2.27	2.14	2.05	1.99	1.82	1.65	1.48	1.29	1.08
EER	14.8	14.2	13.7	13.0	12.6	12.3	11.6	11.0	8.2	7.8	7.3	7.0	6.8	6.2	5.7	5.0	4.4	3.7

High pressure is measured at the liquid service valve (the smaller valve).
Low pressure is measured at the gauge port connection.
Calculations are based on nominal CFM and 70 °F indoor dry bulb.

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

Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temberature

HEATING MODE

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	
		Liquid Valve & Compressor Suction Pressure																					
		Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct
1120	65	245	58	258	64	271	71	283	78	296	85	309	91	322	98	335	105	349	112	362	119	375	125
	70	263	57	276	64	290	71	303	78	316	84	329	91	343	98	356	105	369	111	382	118	396	125
	75	282	57	296	64	309	71	323	77	337	84	350	91	364	98	377	104	391	111	404	118	417	125
1275	65	237	57	249	64	261	70	274	77	286	84	299	91	311	97	324	104	337	111	349	117	362	124
	70	254	57	267	64	280	71	293	78	305	84	318	91	331	98	344	104	357	111	369	118	382	125
	75	273	58	286	65	299	71	312	78	325	85	338	91	352	98	365	105	378	112	390	118	403	125
1430	65	231	57	243	64	255	70	267	77	279	84	291	90	304	97	316	104	328	111	341	117	353	124
	70	248	57	260	64	273	71	285	77	298	84	310	91	323	98	335	104	348	111	360	118	373	124
	75	266	58	279	64	292	71	304	78	317	85	330	91	343	98	355	105	368	112	381	118	393	125

EXPANDED PERFORMANCE DATA

MODEL: G/VSZ130421A* / AR*F36421**

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	50.3	47.6	44.8	41.9	**40.0**	38.8	36.0	33.2	29.9	27.6	25.4	24.0	23.1	20.7	18.4	16.0	13.7	11.2
DELTA T	34.5	32.6	30.7	28.7	27.4	26.6	24.7	22.8	20.5	18.9	17.4	16.5	15.9	14.2	12.6	11.0	9.4	7.7
KW	3.60	3.53	3.46	3.39	**3.35**	3.32	3.25	3.18	3.24	3.16	3.09	3.05	3.02	2.95	2.88	2.80	2.73	2.66
AMPS	16.9	15.6	14.5	13.6	13.1	12.9	12.1	11.5	10.9	10.4	9.9	9.7	9.5	9.0	8.4	7.9	7.2	6.4
COP	4.09	3.95	3.79	3.62	3.49	3.42	3.24	3.05	2.70	2.55	2.40	2.30	2.24	2.06	1.87	1.67	1.47	1.23
EER	14.0	13.5	12.9	12.4	11.9	11.7	11.1	10.4	9.2	8.7	8.2	7.9	7.6	7.0	6.4	5.7	5.0	4.2

High pressure is measured at the liquid service valve (the smaller valve).
Low pressure is measured at the gauge port connection.
Calculations are based on nominal CFM and 70 °F indoor dry bulb.

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

Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temberature

HEATING MODE

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	
		Liquid Valve & Compressor Suction Pressure																					
		Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct
1180	65	262	57	270	65	279	73	288	81	297	88	306	96	314	104	323	112	332	120	341	127	350	135
	70	281	57	290	65	299	73	308	80	316	88	325	96	334	104	343	111	352	119	361	127	370	135
	75	301	57	310	65	319	72	328	80	337	88	346	96	355	103	364	111	372	119	381	127	390	134
1350	65	253	57	261	65	270	72	278	80	287	88	295	95	304	103	312	111	321	118	330	126	338	134
	70	271	57	280	65	289	73	297	80	306	88	314	96	323	103	331	111	340	119	348	127	357	134
	75	291	58	300	65	308	73	317	81	326	89	334	96	343	104	351	112	360	119	368	127	377	135
1520	65	246	57	255	64	263	72	271	80	279	88	288	95	296	103	305	111	313	118	321	126	330	134
	70	265	57	273	65	281	73	290	80	298	88	306	96	315	103	323	111	331	119	340	126	348	134
	75	284	58	292	65	301	73	309	81	318	88	326	96	334	104	343	112	351	119	359	127	367	135

EXPANDED PERFORMANCE DATA

MODEL: G/VSZ130481A* /AR*F48601**

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	55.3	52.4	49.3	46.1	**44.0**	42.6	39.6	36.5	33.6	31.1	28.6	27.0	26.0	23.3	20.7	18.0	15.4	12.6
DELTA T	32.0	30.3	28.5	26.7	25.5	24.7	22.9	21.1	19.5	18.0	16.5	15.6	15.0	13.5	12.0	10.4	8.9	7.3
KW	3.93	3.87	3.80	3.73	**3.69**	3.66	3.59	3.52	3.37	3.30	3.23	3.19	3.17	3.10	3.04	2.97	2.90	2.84
AMPS	18.2	16.8	15.7	14.8	14.3	14.0	13.2	12.5	12.0	11.4	10.9	10.6	10.5	9.9	9.3	8.7	8.1	7.3
COP	4.11	3.96	3.80	3.62	3.49	3.41	3.23	3.03	2.93	2.76	2.59	2.47	2.40	2.20	1.99	1.78	1.55	1.30
EER	14.1	13.5	13.0	12.4	11.9	11.7	11.0	10.4	10.0	9.4	8.8	8.5	8.2	7.5	6.8	6.1	5.3	4.4

MODEL: GSZ130483A* / AR*F486016**

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	55.3	52.4	49.3	46.1	**44.0**	42.6	39.6	36.5	33.6	31.1	28.6	27.0	26.0	23.3	20.7	18.0	15.4	12.6
DELTA T	32.0	30.3	28.5	26.7	25.5	24.7	22.9	21.1	19.5	18.0	16.5	15.6	15.0	13.5	12.0	10.4	8.9	7.3
KW	3.94	3.87	3.80	3.72	**3.68**	3.65	3.58	3.51	3.49	3.42	3.34	3.30	3.27	3.20	3.12	3.05	2.98	2.90
AMPS	11.1	10.3	9.7	9.1	8.8	8.6	8.2	7.8	7.5	7.2	6.8	6.7	6.6	6.3	5.9	5.6	5.2	4.7
COP	4.10	3.96	3.80	3.62	3.50	3.42	3.24	3.05	2.82	2.66	2.50	2.39	2.33	2.14	1.94	1.73	1.51	1.27
EER	14.0	13.5	13.0	12.4	11.9	11.7	11.1	10.4	9.6	9.1	8.6	8.2	7.9	7.3	6.6	5.9	5.2	4.3

High pressure is measured at the liquid service valve (the smaller valve).
Low pressure is measured at the gauge port connection.
Calculations are based on nominal CFM and 70 °F indoor dry bulb.

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

Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temberature

See Heating Mode chart on following page. Chart applies to GSZ130481A, GSZ130483A & GSZ130484A.

EXPANDED PERFORMANCE DATA

MODEL: GSZ130484A* / AR*F486016**

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	55.3	52.4	49.3	46.1	**44.0**	42.6	39.6	36.5	33.6	31.1	28.6	27.0	26.0	23.3	20.7	18.0	15.4	12.6
DELTA T	32.0	30.3	28.5	26.7	25.5	24.7	22.9	21.1	19.5	18.0	16.5	15.6	15.0	13.5	12.0	10.4	8.9	7.3
KW	3.94	3.87	3.80	3.73	**3.68**	3.65	3.58	3.51	3.49	3.42	3.34	3.30	3.27	3.20	3.12	3.05	2.98	2.90
AMPS	6.1	5.7	5.4	5.1	4.9	4.8	4.6	4.4	4.2	4.0	3.8	3.8	3.7	3.5	3.3	3.2	3.0	2.7
COP	4.10	3.96	3.80	3.62	3.50	3.42	3.24	3.05	2.82	2.66	2.50	2.39	2.33	2.14	1.94	1.73	1.51	1.27
EER	14.0	13.5	13.0	12.4	11.9	11.7	11.1	10.4	9.6	9.1	8.6	8.2	7.9	7.3	6.6	5.9	5.2	4.3

High pressure is measured at the liquid service valve (the smaller valve).
Low pressure is measured at the gauge port connection.
Calculations are based on nominal CFM and 70 °F indoor dry bulb.

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

Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temberature

HEATING MODE

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	
		Liquid Valve & Compressor Suction Pressure																					
		Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct
1400	65	257	60	270	67	283	74	296	82	309	89	323	96	336	103	349	111	362	118	376	125	389	133
	70	276	60	289	67	303	74	316	81	330	89	343	96	357	103	370	110	384	118	397	125	411	132
	75	296	59	310	67	324	74	338	81	351	88	365	96	379	103	393	110	406	117	420	125	434	132
1600	65	248	59	261	66	273	74	286	81	299	88	312	95	324	102	337	110	350	117	363	124	376	131
	70	267	60	280	67	293	74	306	81	319	88	332	96	345	103	358	110	371	117	384	125	397	132
	75	286	60	299	67	313	75	326	82	340	89	353	96	366	103	379	111	393	118	406	125	419	132
1800	65	242	59	254	66	267	74	279	81	291	88	304	95	316	102	329	110	341	117	354	124	367	131
	70	260	60	273	67	285	74	298	81	311	88	323	96	336	103	349	110	362	117	374	124	387	132
	75	279	60	292	67	305	74	318	82	331	89	344	96	357	103	370	111	383	118	396	125	408	132

Heating Mode chart applies to GSZ130481A, GSZ130483A & GSZ130484A.

EXPANDED PERFORMANCE DATA

MODEL: G/VSZ130601A* / AR*F48601**

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	72.9	69.0	65.0	60.7	**58.0**	56.2	52.2	48.1	44.9	41.4	38.1	36.0	34.7	31.1	27.6	24.0	20.5	16.8
DELTA T	37.5	35.5	33.4	31.2	29.8	28.9	26.9	24.8	23.1	21.3	19.6	18.5	17.8	16.0	14.2	12.4	10.6	8.6
KW	5.21	5.11	5.01	4.92	**4.86**	4.82	4.72	4.63	4.66	4.56	4.46	4.40	4.36	4.26	4.16	4.06	3.96	3.86
AMPS	24.0	22.2	20.7	19.5	18.8	18.4	17.3	16.4	15.7	15.0	14.2	13.9	13.7	13.0	12.1	11.3	10.5	9.4
COP	4.10	3.95	3.79	3.62	3.49	3.41	3.23	3.05	2.82	2.66	2.50	2.40	2.33	2.14	1.94	1.73	1.52	1.28
EER	14.0	13.5	13.0	12.4	11.9	11.7	11.1	10.4	9.6	9.1	8.6	8.2	8.0	7.3	6.6	5.9	5.2	4.4

MODEL: GSZ130603A* /AR*F486016**

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	72.9	69.0	65.0	60.7	**58.0**	56.2	52.2	48.1	44.9	41.4	38.1	36.0	34.7	31.1	27.6	24.0	20.5	16.8
DELTA T	37.5	35.5	33.4	31.2	29.8	28.9	26.9	24.8	23.1	21.3	19.6	18.5	17.8	16.0	14.2	12.4	10.6	8.6
KW	5.21	5.11	5.01	4.91	**4.86**	4.81	4.72	4.62	4.65	4.55	4.45	4.39	4.34	4.24	4.14	4.04	3.94	3.84
AMPS	13.1	12.2	11.4	10.7	10.3	10.1	9.5	9.0	8.6	8.2	7.8	7.7	7.6	7.2	6.7	6.3	5.8	5.2
COP	4.10	3.95	3.79	3.62	3.50	3.42	3.24	3.05	2.82	2.67	2.51	2.40	2.34	2.15	1.95	1.74	1.53	1.28
EER	14.0	13.5	13.0	12.4	11.9	11.7	11.1	10.4	9.6	9.1	8.6	8.2	8.0	7.3	6.7	6.0	5.2	4.4

High pressure is measured at the liquid service valve (the smaller valve).
Low pressure is measured at the gauge port connection.
Calculations are based on nominal CFM and 70 °F indoor dry bulb.

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

*Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temberature

See Heating Mode chart on following page. Chart applies to G/VSZ130601A, GSZ130603A & GSZ130604A.

EXPANDED PERFORMANCE DATA

MODEL: GSZ130604A* /AR*F486016**

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	72.9	69.0	65.0	60.7	**58.0**	56.2	52.2	48.1	44.9	41.4	38.1	36.0	34.7	31.1	27.6	24.0	20.5	16.8
DELTA T	37.5	35.5	33.4	31.2	29.8	28.9	26.9	24.8	23.1	21.3	19.6	18.5	17.8	16.0	14.2	12.4	10.6	8.6
KW	5.21	5.11	5.01	4.91	**4.86**	4.81	4.72	4.62	4.65	4.55	4.45	4.39	4.34	4.24	4.14	4.04	3.94	3.84
AMPS	6.5	6.1	5.7	5.4	5.2	5.1	4.8	4.6	4.4	4.2	4.1	4.0	3.9	3.7	3.5	3.3	3.1	2.8
COP	4.10	3.95	3.79	3.62	3.50	3.42	3.24	3.05	2.82	2.67	2.51	2.40	2.34	2.15	1.95	1.74	1.53	1.28
EER	14.0	13.5	13.0	12.4	11.9	11.7	11.1	10.4	9.6	9.1	8.6	8.2	8.0	7.3	6.7	6.0	5.2	4.4

High pressure is measured at the liquid service valve (the smaller valve).
Low pressure is measured at the gauge port connection.
Calculations are based on nominal CFM and 70 °F indoor dry bulb.

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

**Note: Shaded area is AHRI Rating Conditions at 47° outdoor ambient temberature*

HEATING MODE

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 (ºF)	Outdoor Air Dry Bulb Temperature (ºF)																					
		17		22		27		32		37		42		47		52		57		62		67	
		Liquid Valve & Compressor Suction Pressure																					
		Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct	Liq	Suct
1580	65	257	58	279	66	301	73	324	81	346	88	369	95	391	103	414	110	436	118	459	125	482	133
	70	276	58	299	66	323	73	346	80	369	88	392	95	416	103	439	110	462	117	485	125	509	132
	75	296	58	320	65	345	73	369	80	393	87	417	95	441	102	465	110	489	117	513	125	537	132
1800	65	248	58	270	65	291	72	313	80	334	87	356	95	378	102	400	109	422	117	444	124	466	132
	70	267	58	289	65	312	73	334	80	357	88	379	95	402	102	424	110	446	117	469	125	491	132
	75	286	59	310	66	333	73	357	81	380	88	403	96	426	103	450	110	473	118	496	125	519	132
2030	65	242	58	263	65	284	72	305	80	326	87	347	95	368	102	390	109	411	117	433	124	454	131
	70	260	58	282	65	304	73	326	80	348	88	370	95	392	102	413	110	435	117	457	124	479	132
	75	279	58	302	66	325	73	348	81	370	88	393	95	416	103	438	110	461	118	483	125	506	132

Heating Mode chart applies to G/VSZ130601A, GSZ130603A & GSZ130604A.

PERFORMANCE DATA

PERFORMANCE TEST

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

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

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

2. As indoor CFM decreases, a slight increase will occur in indoor temperature drop (Delta T). A slight decrease will occur in low and high side pressures and power.

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

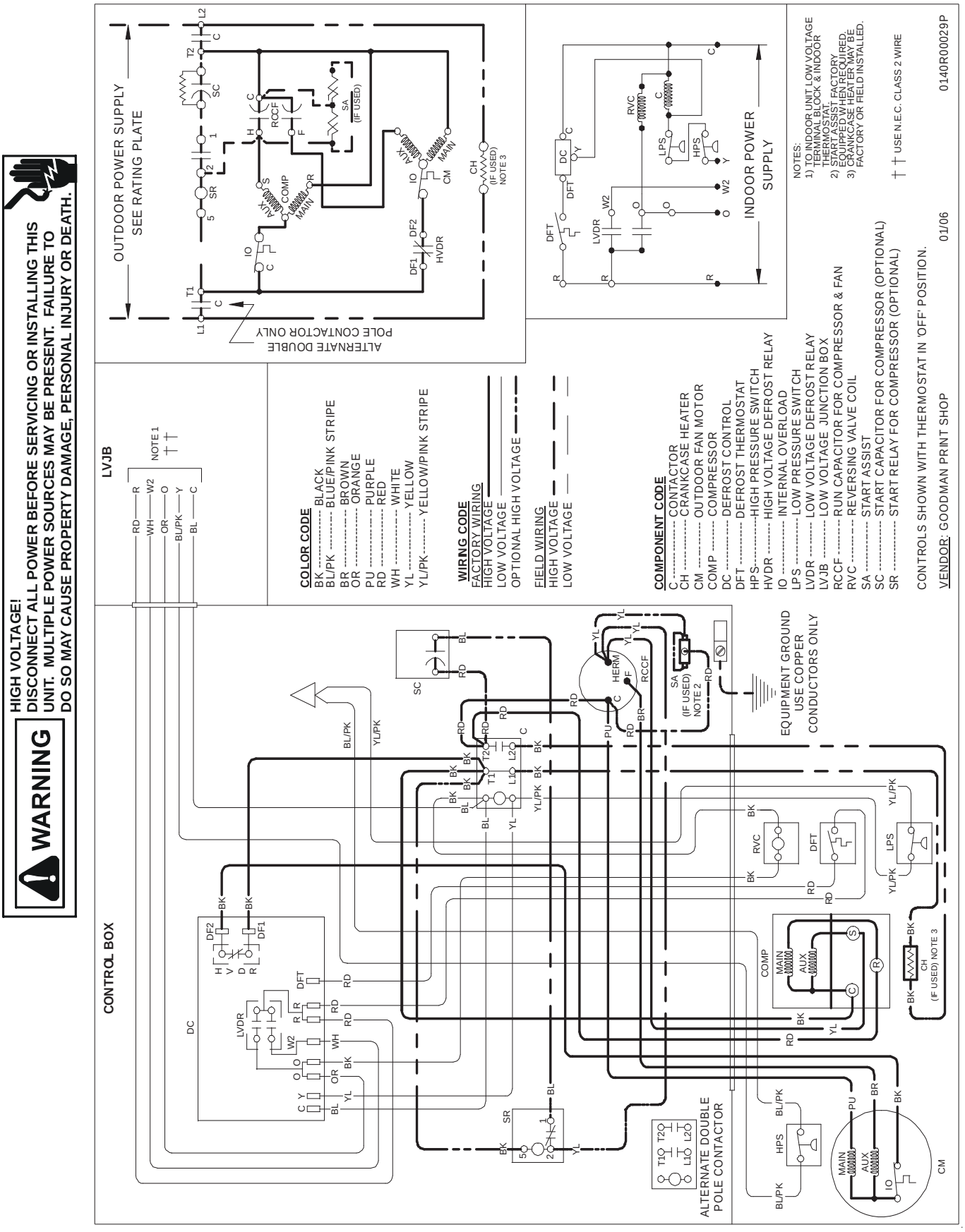
A properly operating unit should be within plus or minus **3 PSIG** of the **LO PR** shown.

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.

WIRING DIAGRAMS

G/VSZ130[18-60]1[A/B]*



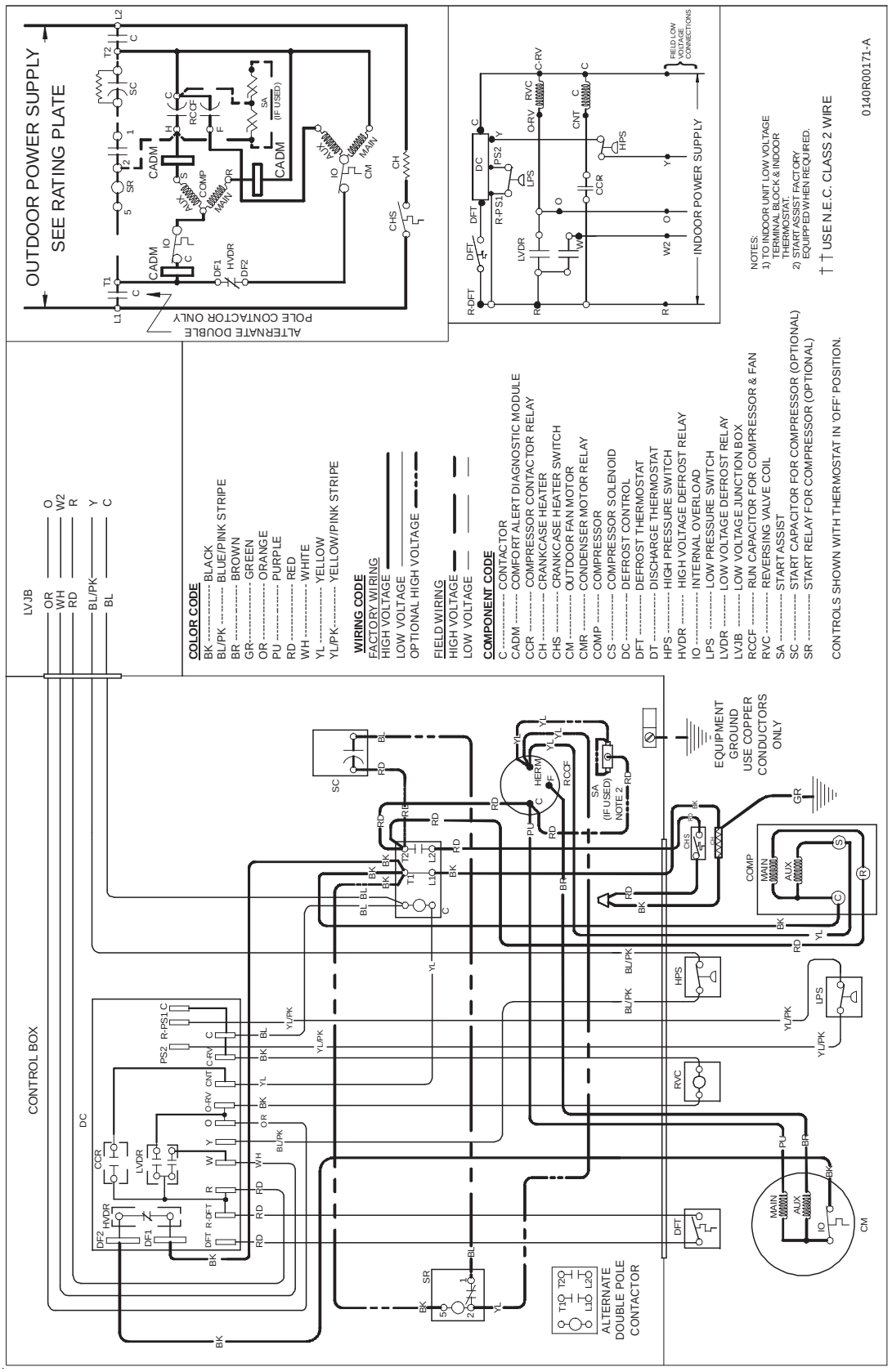
Wiring is subject to change, always refer to the wiring diagram on the unit for the most up-to-date wiring.

WIRING DIAGRAMS

GSZ130181AC, GSZ130241BB, GSZ130301AD, GSZ130361BB
GSZ130421AC, GSZ130481AC, GSZ130601AC
VSZ130181AB, VSZ130241BB, VSZ130301AC, VSZ130361BB
VSZ130421AB, VSZ130481AB, VSZ130601AB

WARNING

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

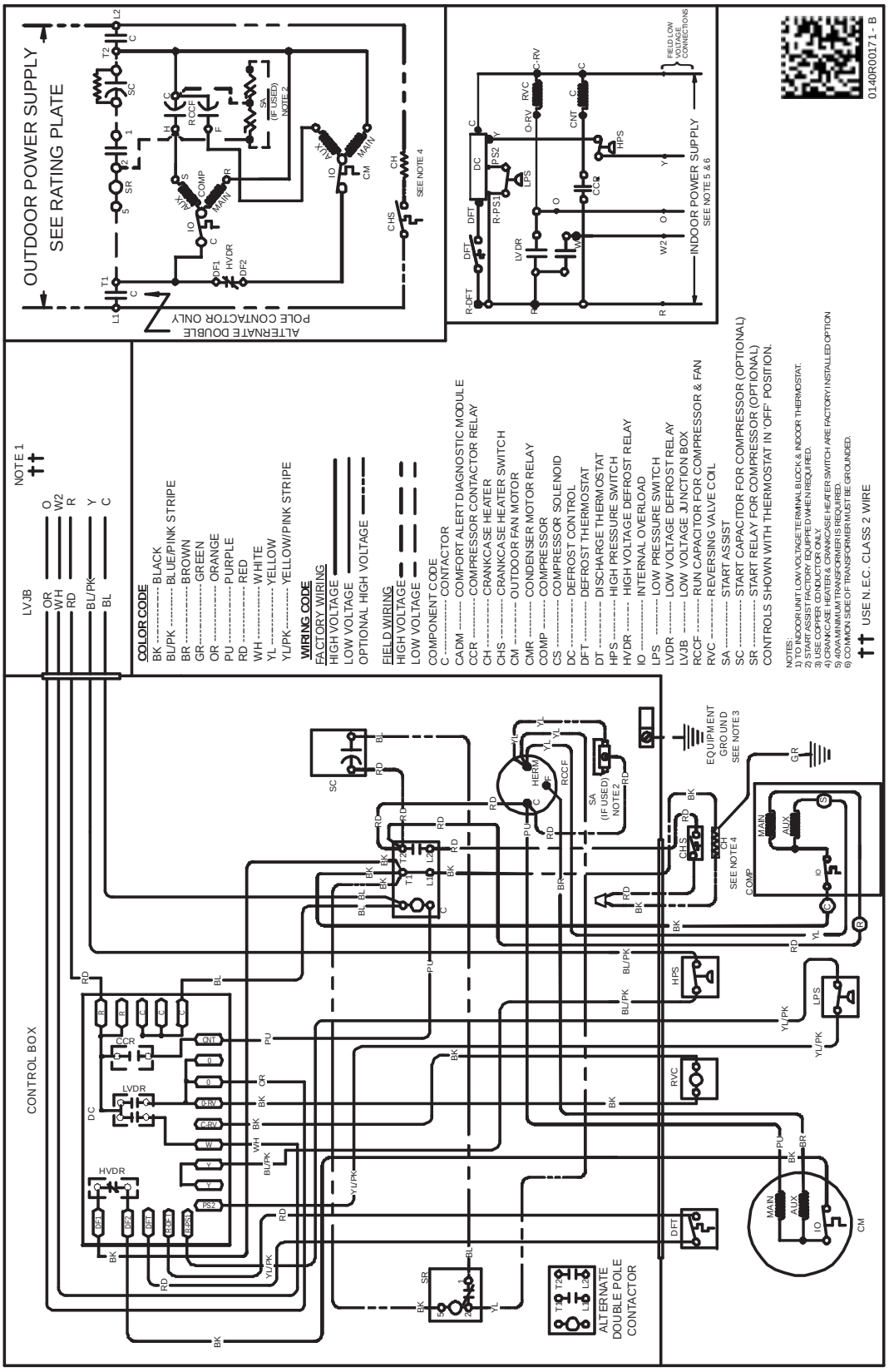


Wiring is subject to change, always refer to the wiring diagram on the unit for the most up-to-date wiring.

WIRING DIAGRAMS GSZ130181AD, GSZ130241[B*/C*], GSZ130301A[E/F], GSZ130361BB VSZ130181A[C/D], VSZ130241B[B/C], VSZ130301A[D/E], VSZ130361B[B/C], VSZ130421A[C/D], VSZ130481A[C/D], VSZ130601AC

WARNING

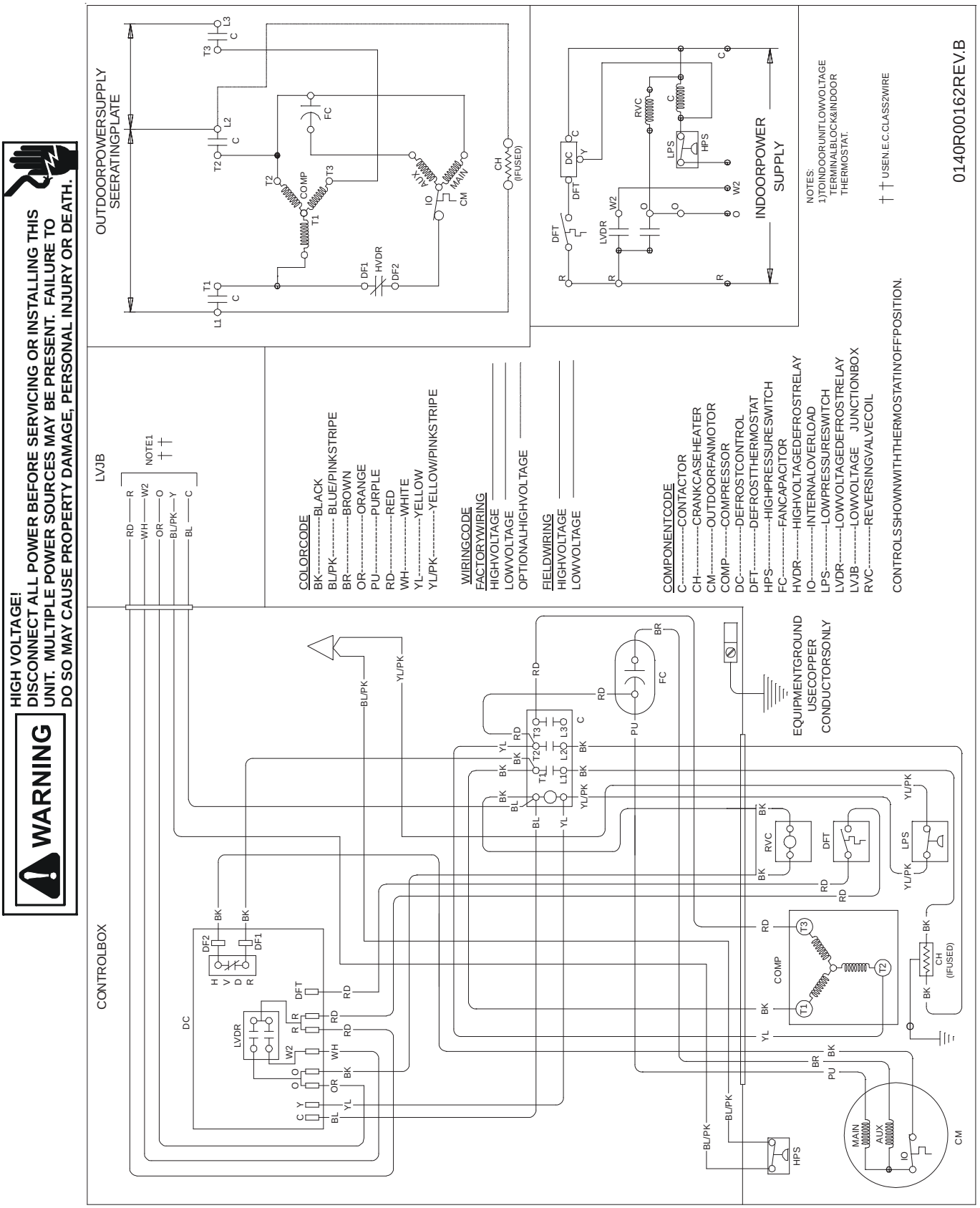
HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



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

WIRING DIAGRAMS

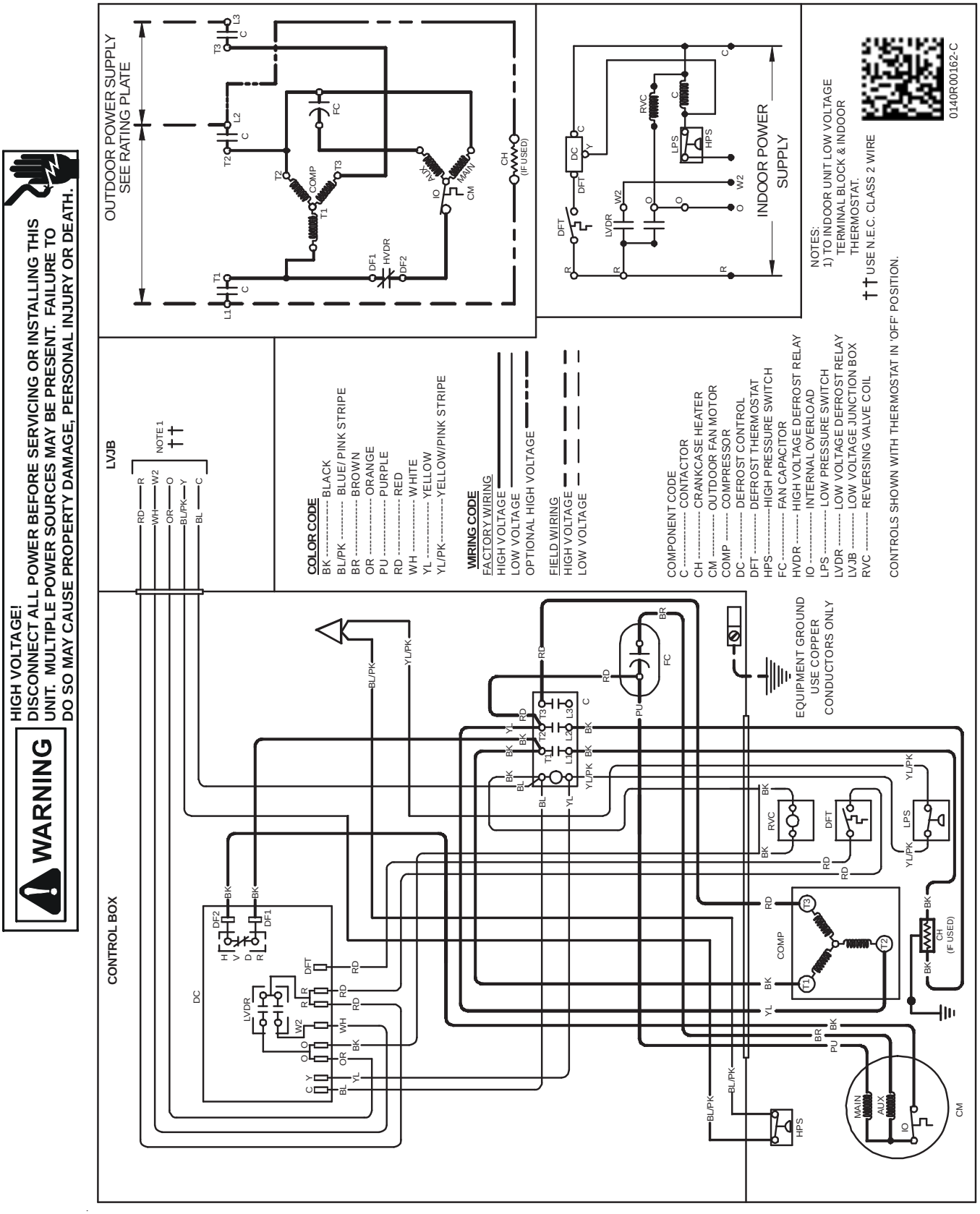
GSZ130[36-60][3,4]A*



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

WIRING DIAGRAMS

GSZ130[36-60][3,4]A*



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