



Corbett HVAC Services
321 Jackson Street
Willimantic, CT 06226

O:860-942-0183
www.corbetthvac.com

AN-11-2023-22 #04
HVAC Replacement at Andover Town Hall

Corbett HVAC Services LLC
321 Jackson St
Willimantic, CT 06226
860-942-0183

Corbett HVAC Services is an equal opportunity employer.



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AN -2022-23 #04

Corbett HVAC Services LLC. is a small business enterprise specializing in installation, maintenance, repair, and on call services for heating and air conditioning equipment. We pride ourselves on providing excellent work every time. Our technicians have a combined 45 years' experience and carry several licenses among them. They have passed background checks and undergone rigorous training after they completed schooling in heating ventilation and air conditioning. Our install technicians are trained to work efficiently and make sure that all safety protocols are followed. All of our technicians are well versed in preventative maintenance as well as identifying faulty or damaged equipment or parts as well as how to identify and fix emergency problems as we rotate an on-call schedule. Our technicians are efficient, professional, and courteous. They take pride in their work and always get the job done. Our office staff works diligently to ensure a pleasant experience and make sure that all matters are communicated.

We are an equal employment opportunity employer who prides ourselves on hiring people based on what they can bring to our company and only that.

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AN-2022-23 #04 Projects

St Joseph's Polish Roman Catholic Church
120 Cliff St
Norwich CT 06360
860-705-4202

Fee Structure 50% deposit and 50% upon completion

Install 8 mini split heads in church around exterior walls to provide A/C for church. Each head will be connected to a condensing unit on exterior of church. All line sets will be ran in line set hide ducting from wall penetration to condensing unit.

Hillyland Farm Dairy LLC
75 Murphy Hill Rd
Scotland, CT 06264
Doug Stearns
860-428-9599

Fee Structure: 50% deposit and 50% upon completion

Install new Daikin mini split system in new winery. There will be two condensing units at 36,000 BTU each with four indoor heads at 18,000 BTU each. Each condensing unit will be mounted on wall bracket to keep it above snow load. All indoor heads will be located on exterior walls and line set will run in attic space to far indoor heads.



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Berkshire
Bruce MaClean
77 Industrial Park Rd
Vernon, CT 06066
860-670-5226

Fee Structure: 50% deposit and 50% upon Completion.

Install 35 packaged units for heating and air conditioning.

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AN-11-2023-22 #04

References

Bruce MaClean
MaClean Mechanical Contractors LLC
77 Industrial Park Rd
Vernon, CT 06066
860-607-5226

Real Property Management
Margaret Gledhill
705 North Mountain Rd
G105
Newington, CT 06111
860-377-8912

The Housing Authority of The City of Willimantic
Edwin (Maintenance)
49 West Ave
Willimantic, CT 06226
860-336-7591

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Proposal for



Corbett HVAC Services
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AN-2022-23 #04

Completion Timeline

Removing existing oil fire furnace and AC coil, replace with new high efficiency LP furnace and dual fuel heat pump. Remove tank, fill, and vent pipes and dispose.

This project will be completed in 1 month once the materials are acquired.

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AN-2022-23 #04 Cost Summary

Replacement of existing system and adding ductless heat pump mini splits to building.

Materials: \$40,844.35

Labor to install Mini Split: \$9,375.00

Labor to install furnace and AC: \$7,500.00

These prices were determined by our quote from our distributor and our hourly labor charge.

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Town of Andover

Proposal Summary

Lump Sum Price Bidder will complete the Project titled **2023 HVAC Replacement at Andover Town Hall in Andover, CT** work in accordance with the Contract Documents as described:

Summary Description

Remove existing oil fire furnace and AC coil in community center and hallway area. Replace with new high efficiency liquid propane furnace and dual fuel heat pump. Remove oil burner on existing System 2000 boiler and replace with an adequately sized liquid propane burner. Remove and dispose of oil tank, fill, and vent pipes.

Lump Sum Cost Inclusive of Labor and Materials \$ 57,719.40

PRICE

*** All associated work to complete the work as requested by the Town shall be included. there shall be no additional costs except As noted below*

Option 1 Description

Lump Sum Cost Inclusive of Labor and Materials \$

PRICE

Option 2 Description

Lump Sum Cost Inclusive of Labor and Materials \$

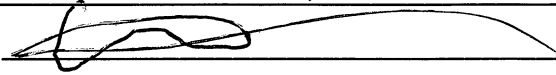
PRICE

By: Corbett Bernier

Title: Owner

Bidder: Corbett HVAC Services LLC

Address: 321 Jackson St Willimantic, CT 06226

Signature  _____

Date 06/08/2023



STATE OF CONNECTICUT

NONDISCRIMINATION CERTIFICATION – Representation by Entity

For Contracts Valued at Less than \$50,000

Written representation that complies with the nondiscrimination agreements and warranties under Connecticut General Statutes §§ 4a-60 and 4a-60a, as amended.

INSTRUCTIONS:

For use by an entity (corporation, limited liability company, or partnership) when entering into any contract type with the State of Connecticut, valued at less than \$50,000 for each year of contract. Complete all sections of the form. Submit to the awarding State agency prior to contract execution.

REPRESENTATION OF ENTITY:

I, [Signature], Owner, of Corbett HVAC Services LLC
(Authorized Signatory) (Title) (Name of Entity)

an entity duly formed and existing under the laws of Connecticut
(Name of State or Commonwealth)

represent that I am authorized to execute and deliver this representation on behalf of

Corbett HVAC Services LLC and that Corbett HVAC Services LLC
(Name of Entity) (Name of Entity)

agrees to comply with the nondiscrimination agreements and warranties of Connecticut General Statutes §§ 4a-60 and 4a-60a, as amended.

[Signature] 06/07/2023
(Authorized Signatory) (Date)

Corbett Bernier
(Printed Name)



Load Short Form
Entire House
Corbett HVAC

Job: 060720231
Date: Jun 07, 2023
By: Chris Fontaine

321 Jackson St, Willimantic, CT 06226

Project Information

For: Andover Town Hall
17 School Rd, Andover, CT 06232

Design Information

	Htg	Clg	Infiltration	
Outside db (°F)	8	88	Method	Simplified
Inside db (°F)	70	75	Construction quality	Average
Design TD (°F)	62	13	Fireplaces	0
Daily range	-	M		
Inside humidity (%)	30	50		
Moisture difference (gr/lb)	26	28		

HEATING EQUIPMENT

Make
Trade
Model
AHRI ref

Efficiency 80 AFUE
Heating input 0 Btuh
Heating output 0 Btuh
Temperature rise 0 °F
Actual air flow 3020 cfm
Air flow factor 0.024 cfm/Btuh
Static pressure 0 in H2O
Space thermostat

COOLING EQUIPMENT

Make
Trade
Cond
Coil
AHRI ref

Efficiency 0 SEER
Sensible cooling 0 Btuh
Latent cooling 0 Btuh
Total cooling 0 Btuh
Actual air flow 3020 cfm
Air flow factor 0.050 cfm/Btuh
Static pressure 0 in H2O
Load sensible heat ratio 0.74

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
101	300	9726	3197	174	161
102u	225	4423	2487	106	125
102T	225	5084	2556	122	129
105	360	10713	9267	211	466
212	1008	97708	105263	953	1021
204	225	6982	2517	168	127
203	225	6514	2216	156	111
201	300	16010	6173	384	311
207	180	9837	2442	188	123
206	180	4016	1623	96	82
209	144	5285	1878	127	94
foyer	144	13943	5377	335	271

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



Entire House	3516	190241	135729	3020	3020
Other equip loads		0	0		
Equip. @ 0.93 RSM			55816		
Latent cooling			21024		
TOTALS	3516	190241	212569	3020	3020

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



Project Summary

Entire House
Corbett HVAC

Job: 060720231
Date: Jun 07, 2023
By: Chris Fontaine

321 Jackson St, Willimantic, CT 06226

Project Information

For: Andover Town Hall
17 School Rd, Andover, CT 06232

Notes:

Design Information

Weather: Hartford, Bradley IAP, CT, US

Winter Design Conditions

Outside db	8 °F
Inside db	70 °F
Design TD	62 °F

Summer Design Conditions

Outside db	88 °F
Inside db	75 °F
Design TD	13 °F
Daily range	M
Relative humidity	50 %
Moisture difference	28 gr/lb

Heating Summary

Structure	119188 Btuh
Ducts	6670 Btuh
Central vent (0 cfm)	0 Btuh
(none)	
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	125858 Btuh

Sensible Cooling Equipment Load Sizing

Structure	57460 Btuh
Ducts	2557 Btuh
Central vent (0 cfm)	0 Btuh
(none)	
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.93
Equipment sensible load	55816 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

Latent Cooling Equipment Load Sizing

Structure	17150 Btuh
Ducts	3875 Btuh
Central vent (0 cfm)	0 Btuh
(none)	
Equipment latent load	21024 Btuh

	Heating	Cooling
Area (ft²)	3516	3516
Volume (ft³)	32607	32607
Air changes/hour	0.37	0.19
Equiv. AVF (cfm)	201	103

Equipment Total Load (Sen+Lat)	76840 Btuh
Req. total capacity at 0.70 SHR	6.6 ton

Heating Equipment Summary

Make	
Trade	
Model	
AHRI ref	
Efficiency	80 AFUE
Heating input	0 Btuh
Heating output	0 Btuh
Temperature rise	0 °F
Actual air flow	3020 cfm
Air flow factor	0.024 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	

Cooling Equipment Summary

Make	
Trade	
Cond	
Coil	
AHRI ref	
Efficiency	0 SEER
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	3020 cfm
Air flow factor	0.050 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0.74

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



Right-Suite® Universal 2021 21.0.08 RSU64320

Project1.rup Calc = MJ8 Front Door faces: S

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J1 Form - Worksheet A
Entire House
Corbett HVAC

Job: 060720231
Date: Jun 07, 2023
By: Chris Fontaine

321 Jackson St, Willimantic, CT 06226

Supporting Detail

Project Name:		Date: Jun 07, 2023
Address: 17 School Rd, Andover, CT 06232		
Phone:	Job ID: 060720231	

Worksheet A
Location and Design Conditions

Weather Location: Hartford, Bradley IAP, CT, US	Elevation = 180	Latitude = 42
Indoor Conditions, Heating: DB = 70 °F RH = 30 % Indoor Conditions, Cooling: DB = 75 °F RH = 50 %		
Table 1 Conditions 99% DB = 8 °F 1% DB = 88 °F Grains Difference = 28 gr/lb Daily Range = M		
Design Temperature Differences	HTD = 62 °F	CTD = 13 °F

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



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Page 1

Project1.rup Calc = MJ8 Front Door faces: S

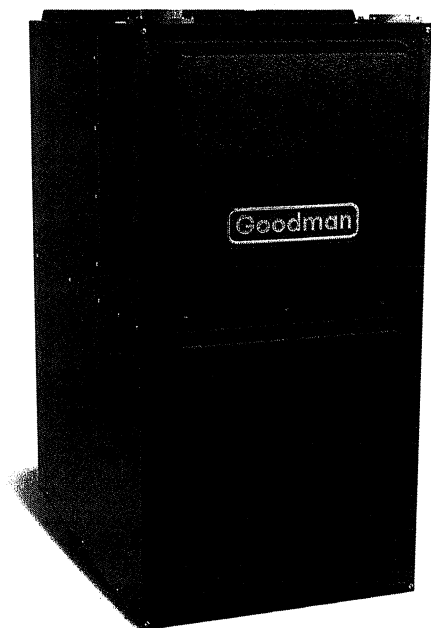


Air Conditioning & Heating

GM9S96/GC9S96

HEATING INPUT: 40,000–120,000 BTU/H

SINGLE-STAGE, MULTI-SPEED
ECM GAS FURNACE
UP TO 96% AFUE



Contents

Nomenclature.....	2
Product Specifications.....	3
Dimensions	5
Airflow Specifications.....	7
Wiring Diagram.....	19
Accessories	20

Standard Features

- Heavy-duty aluminized-steel tubular heat exchanger
- Stainless-steel secondary heat exchanger
- Single-stage gas valve
- Durable Silicon Nitride igniter
- Quiet single-speed induced draft blower
- Self-diagnostic control board with constant memory fault code history output to a LED
- All models comply with California 40 ng/J Low NOx emissions standard
- Can no longer be installed in California's South Coast Air Quality Management District (SCAQMD) on or after October 1, 2019.
- AHRI Certified; ETL Listed

Cabinet Features

- Designed for multi-position installation —
GM9S96: upflow, horizontal left or right
GC9S96: downflow, horizontal left or right
- Certified for direct vent (2-pipe) or non-direct vent (1-pipe)
- Easy-to-install top venting with optional side venting —
GM9S96/upflow models only
- Convenient left or right connection for gas and electrical service
- Cabinet air leakage (Q_{Leak}) $\leq 2\%$
- Heavy-gauge steel cabinet with durable finish
- Fully insulated heat exchanger and blower section
- Airtight solid bottom or side return with easy-cut tabs for effortless removal in bottom air-inlet applications

LIFETIME
HEAT EXCHANGER
LIMITED WARRANTY*

10 UNIT
REPLACEMENT
LIMITED
WARRANTY*

10 PARTS
LIMITED
WARRANTY*



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

COMPANY WITH
ENVIRONMENTAL SYSTEM
CERTIFIED BY DNV GL
= ISO 14001 =

* Complete warranty details available from your local dealer or at www.amana-hac.com. To receive the Lifetime Heat Exchanger Limited Warranty (good for as long as you own your home), 10-Year Unit Replacement Limited Warranty and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec.

NOMENCLATURE

	G	M	9	S	96	040	4	C	*	**	
	1	2	3	4	5,6	7,8,9	10	11	12	13,14	
BRAND	G- Goodman® Brand										ENGINEERING
											Major/Minor Revisions A - Initial Release B - 1st Revision
CONFIGURATION	M- Upflow/Horizontal C- Downflow/Horizontal										NOX
											N = < 40 NG/J NOx
MOTOR	9 - Nine Speed ECM										CABINET WIDTH
											A- 14" C- 21" B- 17½" D- 24½"
GAS VALVE	C- 2 Stage S- 1 STAGE								3- 1200 CFM 4- 1600 CFM 5- 2000 CFM		MAXIMUM CFM
AFUE	80- 80% AFUE 92- 92% AFUE 96- 96% AFUE 97- 97% AFUE								030- 30,000 BTU/h 080- 80,000 BTU/h 040- 40,000 BTU/h 100- 100,000 BTU/h 060- 60,000 BTU/h 120- 120,000 BTU/h		MBTU/H

	GM9S96 0403AN	GM9S96 0603BN	GM9S96 0803BN	GM9S96 0804CN	GM9S96 0805CN	GM9S96 1005CN	GM9S96 1205DN
HEATING DATA							
High Fire Input ¹	40,000	60,000	80,000	80,000	80,000	100,000	120,000
High Fire Output ¹	38,440	57,660	76,880	76,880	76,880	96,100	115,320
AFUE ²	96	96	96	96	96	96	96
Temperature Rise Range (°F)	25-55	35-65	35-65	25-55	25-55	30-60	35-65
Vent Diameter ³	2"- 3"	2"- 3"	2"- 3"	2"- 3"	2"- 3"	2"- 3"	3"
No. of Burners	2	3	4	4	4	5	6
CIRCULATOR BLOWER							
Available AC @ 0.5" ESP	1.5- 3	1.5- 3	1.5- 3	1.5- 4	3- 5	3- 5	3- 5
Size (D x W)	11" x 6"	11" x 8"	11" x 8"	11" x 10"	11" x 10"	11" x 10"	11" x 11"
Horsepower @ 1075 RPM	1/2	1/2	1/2	3/4	1	1	1
Speed	9	9	9	9	9	9	9
FILTER SIZE (IN²) (QTY)	(1) 16xX 25 (side) or (1) 14 X 25 (bottom)	(1) 16xX 25 (side or bottom)	(1) 16xX 25 (side or bottom)	(1) 16xX 25 (side or bottom)	(1) 20 x 25 (bottom) or (2) 16 x 25 (side)	(1) 20 x 25 (bottom) or (2) 16 x 25 (side)	(1) 20 x 25 (bottom) or (2) 16 x 25 (side)
ELECTRICAL DATA							
Min. Circuit Ampacity ⁴	10.3	10.3	10.3	14.1	16.93	16.93	16.93
Max. Overcurrent Device (amps) ⁵	15	15	15	15	20	20	20
SHIPPING WEIGHT (LBS)	108	118	118	141	142	144	156

¹ Natural Gas BTU/h² DOE AFUE based upon Isolated Combustion System (ICS)³ Installer must supply one or two PVC pipes: one for combustion air (optional) and one for the flue outlet (required). Vent pipe must be either 2" or 3" in diameter, depending upon furnace input, number of elbows, length of run and installation (1 or 2 pipes). The optional Combustion Air Pipe is dependent on installation/code requirements and must be 2" or 3" diameter PVC.⁴ Minimum Circuit Ampacity = (1.25 x Circulator Blower Amps) + ID Blower amps. Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.⁵ Maximum Overcurrent Protection Device refers to maximum recommended fuse or circuit breaker size. May use fuses or HACR-type circuit breakers of the same size as noted.**NOTES**

- All furnaces are manufactured for use on 115 VAC, 60 Hz, single-phase electrical supply.
- Gas Service Connection ½" FPT
- Important: Size fuses and wires properly and make electrical connections in accordance with the National Electrical Code and/or all existing local codes.
- For bottom return: Failure to unfold flanges may reduce airflow by up to 18%. This could result in performance and noise issues.
- For servicing or cleaning, a 24" front clearance is required. Unit connections (electrical, flue and drain) may necessitate greater clearances than the minimum clearances listed above. In all cases, accessibility clearance must take precedence over clearances from the enclosure where accessibility clearances are greater.

	GC9S96 0403BN	GC9S96 0603BN	GC9S96 0804CN	GC9S96 1005CN	GC9S96 1205DN
HEATING DATA					
High Fire Input ¹	40,000	60,000	80,000	100,000	120,000
High Fire Output ¹	38,440	57,660	76,880	95,000	114,000
AFUE ²	96	96	96	95	95
Temperature Rise Range (°F)	25-55	35-65	40-70	40-70	45-75
Vent Diameter ³	2" - 3"	2" - 3"	2" - 3"	2" - 3"	3"
No. of Burners	2	3	4	5	6
CIRCULATOR BLOWER					
Available AC @ 0.5" ESP	1.5- 3	1.5- 3	2.5- 4	3- 5	3- 5
Size (D x W)	11" x 8"	11" x 8"	11" x 10"	11" x 10"	11" x 11"
Horsepower @ 1075 RPM	1/2	1/2	3/4	1	1
Speed	9	9	9	9	9
FILTER SIZE (IN²) (QTY)	(2) 10 x 20 or (1) 16 x 25 (top return)	(2) 10 x 20 or (1) 16 x 25 (top return)	(2) 10 x 20 or (1) 16 x 25 (top return)	(1) 14 x 20 (bottom) or (1) 20 x 25 (top return)	(1) 14 x 20 (bottom) or (1) 20 x 25 (top return)
ELECTRICAL DATA					
Min. Circuit Ampacity ⁴	10.3	10.3	14.1	16.93	16.93
Max. Overcurrent Device (amps) ⁵	15	15	15	20	20
SHIPPING WEIGHT (LBS)	113	116	141	144	156

¹ Natural Gas BTU/h

² DOE AFUE based upon Isolated Combustion System (ICS)

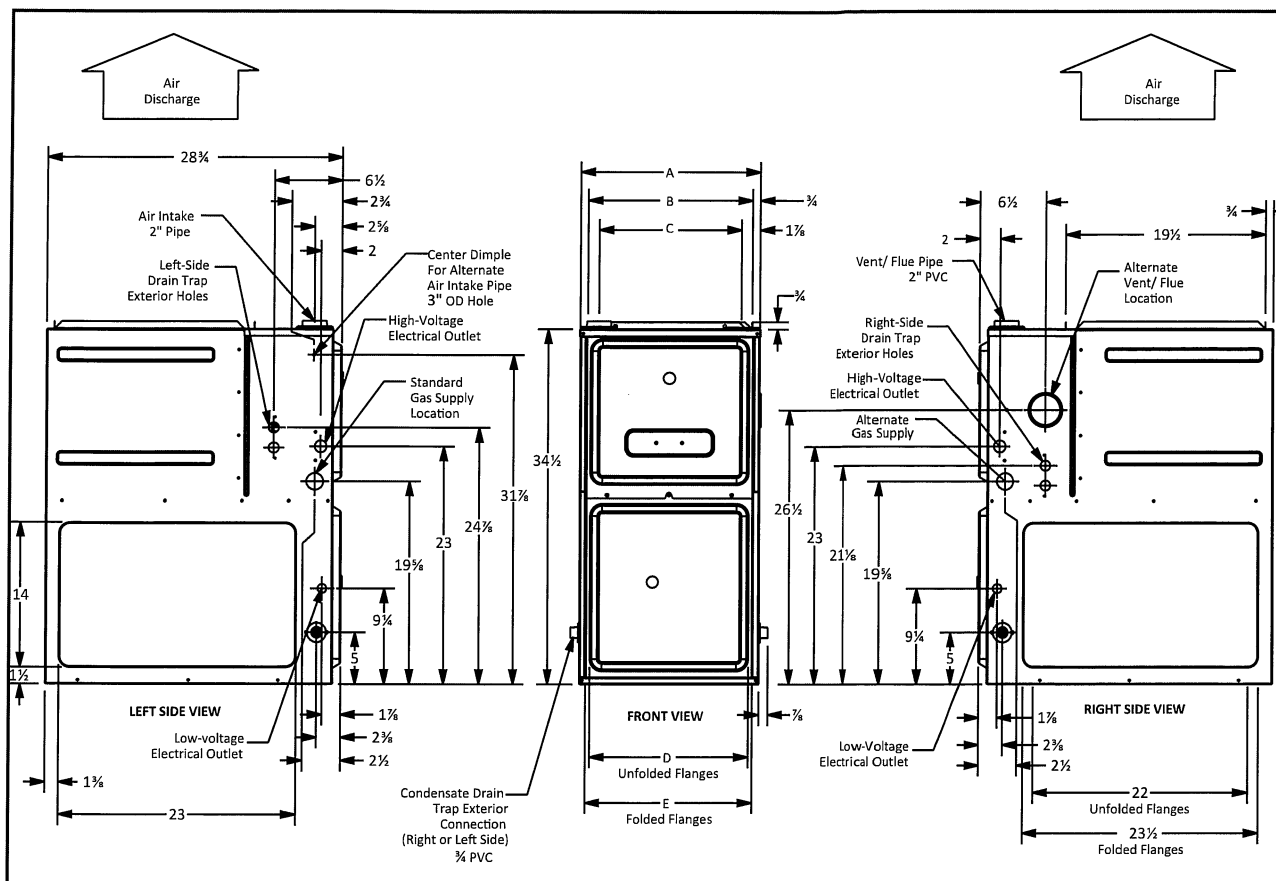
³ Installer must supply one or two PVC pipes: one for combustion air (optional) and one for the flue outlet (required). Vent pipe must be either 2" or 3" in diameter, depending upon furnace input, number of elbows, length of run and installation (1 or 2 pipes). The optional Combustion Air Pipe is dependent on installation/code requirements and must be 2" or 3" diameter PVC.

⁴ Minimum Circuit Ampacity = (1.25 x Circulator Blower Amps) + ID Blower amps. Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

⁵ Maximum Overcurrent Protection Device refers to maximum recommended fuse or circuit breaker size. May use fuses or HACR-type circuit breakers of the same size as noted.

NOTES

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- Gas Service Connection ½" FPT
- Important: Size fuses and wires properly and make electrical connections in accordance with the National Electrical Code and/or all existing local codes.
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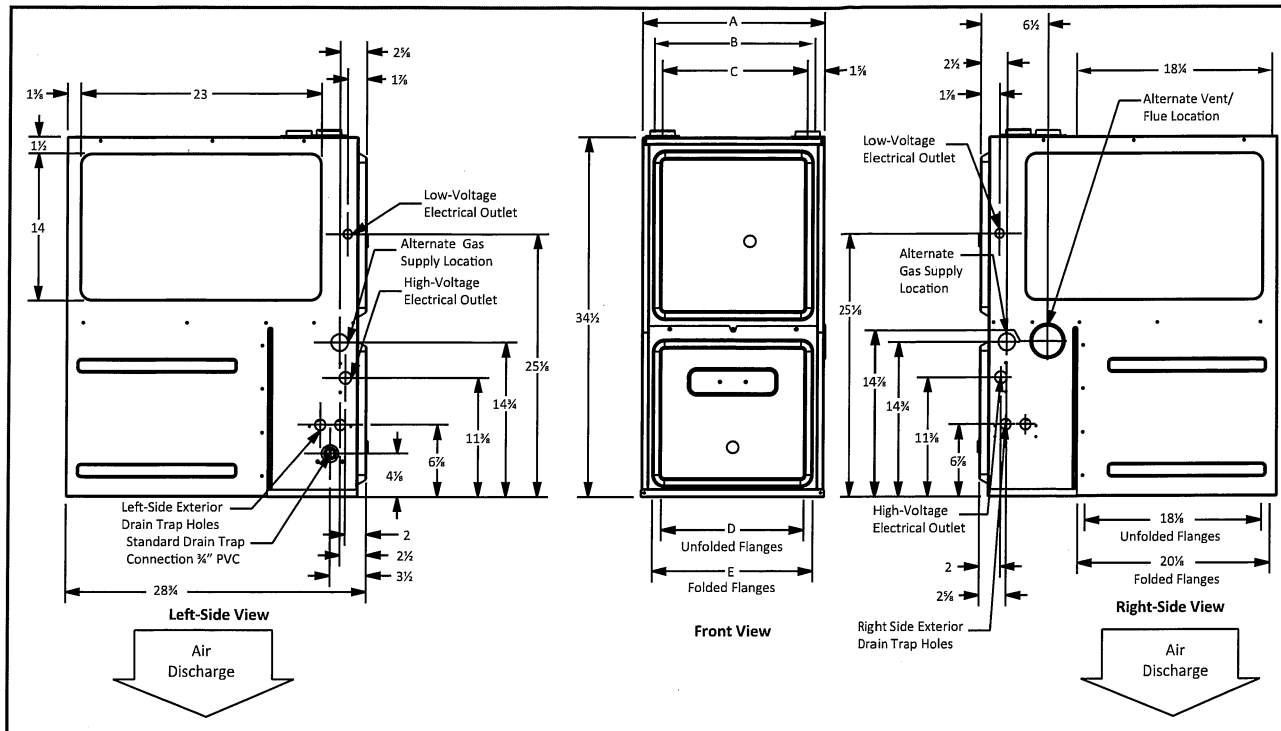


MODEL	A	B	C	D	E
GM9S960403AN	14"	12 1/2"	10 1/2"	8 3/8"	10 1/8"
GM9S960603BN	17 1/2"	16"	13 3/8"	12 1/8"	13 3/8"
GM9S960803BN	17 1/2"	16"	13 3/8"	12 1/8"	13 3/8"
GM9S960804CN	21"	19 1/2"	17 3/8"	16"	17 1/2"
GM9S960805CN	21"	19 1/2"	17 3/8"	16"	17 1/2"
GM9S961005CN	21"	19 1/2"	17 3/8"	16"	17 1/2"
GM9S961205DN	24 1/2"	23"	20 3/8"	19 3/8"	20 3/8"

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

POSITION	SIDES	REAR	FRONT	BOTTOM	FLUE	TOP
Upflow	0"	0"	3"	C	0"	1"
Horizontal	6"	0"	3"	C	0"	6"

C = If placed on combustible floor, the floor MUST be wood ONLY.



MODEL	A	B	C	D	E
GC9S960403BN	17 1/2"	16"	13 3/8"	12 1/8"	13 3/8"
GC9S960603BNA	17 1/2"	16"	13 3/8"	12 1/8"	13 3/8"
GC9S960804CN	21"	19 1/2"	17 3/8"	16"	17 1/2"
GC9S961005CN	21"	19 1/2"	17 3/8"	16"	17 1/2"
GC9S961205DN	24 1/2"	23"	20 3/8"	19 3/8"	20 3/8"

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

POSITION	SIDES	REAR	FRONT	BOTTOM	FLUE	TOP
Downflow	0"	0"	3"	NC	0"	1"
Horizontal	6"	0"	3"	C	0"	6"

C = If placed on combustible floor, the floor MUST be wood ONLY.

NC = For installation on non-combustible floors only. A combustible floor sub-base must be used for installations on combustible flooring.

CFM & TEMPERATURE RISE VS. EXTERNAL STATIC PRESSURE

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)													TEMP RANGE
			0.1		0.2		0.3		0.4		0.5		0.6	0.7	0.8	
			CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE	CFM	CFM	CFM	
M9S96 0403A	W/W1	F01^^	705	50	661	54	617	N/A	564	N/A	509	N/A	455	405	362	25-55
		F02^	1079	33	1055	34	1027	35	994	36	965	37	935	906	863	
		F03	915	39	881	40	846	42	814	44	780	46	737	695	652	
		F04	887	40	855	42	823	43	790	45	751	47	705	666	608	
M9S96 0603B	W/W1	F01^^	758	N/A	696	N/A	636	N/A	572	N/A	512	N/A	460	412	354	35-65
		F02^	1218	44	1178	45	1140	47	1100	48	1060	50	1016	977	937	
		F03	1164	46	1123	47	1084	49	1042	51	1003	53	960	920	871	
		F04	1121	48	1083	49	1041	51	996	54	953	56	906	861	818	
M9S96 0803B	W/W1	F01^^	715	N/A	658	N/A	589	N/A	524	N/A	465	N/A	412	360	279	35-65
		F02^	1415	50	1385	51	1355	52	1322	54	1291	55	1255	1219	1186	
		F03	1388	51	1360	52	1325	54	1291	55	1259	57	1223	1191	1157	
		F04	1290	55	1252	57	1215	59	1182	60	1143	62	1107	1071	1032	
M9S96 0804C	W/W1	F01^^	1019	N/A	952	N/A	878	N/A	796	N/A	706	N/A	619	542	485	25-55
		F02^	1791	40	1743	41	1700	42	1663	43	1626	44	1583	1538	1489	
		F03	1625	44	1559	46	1512	47	1468	48	1425	50	1370	1325	1271	
		F04	1537	46	1490	48	1447	49	1403	51	1354	53	1301	1247	1190	
M9S96 0805C	W/W1	F01^^	1029	N/A	959	N/A	890	N/A	811	N/A	727	N/A	647	579	511	25-55
		F02^	1814	39	1766	40	1722	41	1679	42	1637	43	1595	1555	1511	
		F03	1893	38	1844	39	1803	39	1763	40	1723	41	1685	1641	1604	
		F04	1738	41	1680	42	1637	43	1596	45	1554	46	1510	1469	1420	
M9S96 1005C	W/W1	F01^^	1008	N/A	934	N/A	855	N/A	779	N/A	702	N/A	628	557	493	30-60
		F02^	2026	44	1981	45	1929	46	1901	47	1858	48	1819	1773	1733	
		F03	1921	46	1879	47	1840	48	1791	50	1751	51	1705	1656	1610	
		F04	1804	49	1755	51	1710	52	1664	53	1619	55	1574	1526	1479	
M9S96 1205D	W/W1	F01^^	1118	N/A	1035	N/A	952	N/A	860	N/A	750	N/A	663	590	519	35-65
		F02^	2143	50	2095	51	2047	52	2002	53	1954	55	1891	1850	1802	
		F03	2025	53	1977	54	1930	55	1897	56	1848	58	1798	1750	1703	
		F04^^	1906	56	1877	57	1828	58	1778	60	1726	62	1674	1622	1568	

MINIMUM FILTER SIZES

	GM9S96 0403ANA	GM9S96 0603BNA	GM9S96 0803BNA	GM9S96 0804CNA	GM9S96 0805CNA	GM9S96 1005CNA	GM9S96 1205DNA
Filter Size (in ²) (Qty)	(1) 16 x 25 (side) or (1) 14 x 25 bottom)	(1) 16 x 25 (side or bottom)			(1) 20 x 25 (bottom) or (2) 16 x 25 (side)		

Note: Other size filters of equal or greater dimensions may be used. Filters may also be centrally located.

CFM & TEMPERATURE RISE VS. EXTERNAL STATIC PRESSURE

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
M9S96 0403A	G	F01	705	661	617	564	509	455	405	362
		F02	1079	1055	1027	994	965	935	906	863
		F03	915	881	846	814	780	737	695	652
		F04	887	855	823	790	751	705	666	608
		F05	1135	1106	1078	1049	1021	994	965	933
		F06	1189	1163	1138	1111	1085	1059	1032	1001
		F07	1266	1243	1218	1197	1172	1148	1123	1099
		F08	1313	1288	1261	1239	1215	1189	1165	1143
		F09	1342	1324	1305	1280	1263	1239	1216	1193
M9S96 0603B	G	F01	758	696	636	572	512	460	412	354
		F02	1218	1178	1140	1100	1060	1016	977	937
		F03	1164	1123	1084	1042	1003	960	920	871
		F04	1121	1083	1041	996	953	906	861	818
		F05	902	851	801	746	689	637	585	542
		F06	960	917	864	812	764	708	661	614
		F07	1273	1240	1207	1171	1128	1089	1051	1012
		F08	1335	1301	1266	1228	1192	1154	1118	1078
		F09	1427	1390	1362	1327	1297	1260	1224	1193
M9S96 0803B	G	F01	715	658	589	524	465	412	360	279
		F02	1415	1385	1355	1322	1291	1255	1219	1186
		F03	1388	1360	1325	1291	1259	1223	1191	1157
		F04	1290	1252	1215	1182	1143	1107	1071	1032
		F05	916	867	817	767	710	657	608	563
		F06	985	940	892	842	797	746	693	649
		F07	1118	1078	1037	992	952	910	863	822
		F08	1191	1153	1114	1074	1034	993	951	911
		F09	1471	1440	1409	1377	1347	1314	1283	1247
M9S96 0804C	G	F01	1019	952	878	796	706	619	542	485
		F02	1791	1743	1700	1663	1626	1583	1538	1489
		F03	1625	1559	1512	1468	1425	1370	1325	1271
		F04	1537	1490	1447	1403	1354	1301	1247	1190
		F05	1289	1234	1180	1122	1058	991	917	840
		F06	1431	1375	1329	1283	1227	1169	1108	1043
		F07	1836	1784	1741	1703	1664	1628	1585	1537
		F08	1919	1890	1846	1807	1771	1735	1694	1650
		F09	1952	1921	1885	1843	1804	1769	1731	1691

¹ at 0.5" ESP**Notes:**

- CFM in chart is without filter(s). Filters do not ship with this furnace, but must be provided by the installer. If the furnace requires two return filters, this chart assumes both filters are installed.
- All furnaces ship as high-speed cooling and medium-speed heating. Installer must adjust blower cooling and heating speed as needed.

CFM & TEMPERATURE RISE VS. EXTERNAL STATIC PRESSURE

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
M9S96 0805C	G	F01	1029	959	890	811	727	647	579	511
		F02	1814	1766	1722	1679	1637	1595	1555	1511
		F03	1893	1844	1803	1763	1723	1685	1641	1604
		F04	1738	1680	1637	1596	1554	1510	1469	1420
		F05	1193	1135	1087	1016	986	950	880	805
		F06	1421	1369	1323	1272	1222	1168	1108	1045
		F07	1582	1536	1491	1445	1404	1358	1309	1255
		F08	1962	1919	1889	1851	1816	1780	1743	1702
		F09	2068	2024	1986	1947	1912	1873	1837	1797
M9S96 1005C	G	F01	1008	934	855	779	702	628	557	493
		F02	2026	1981	1929	1901	1858	1819	1773	1733
		F03	1921	1879	1840	1791	1751	1705	1656	1610
		F04	1804	1755	1710	1664	1619	1574	1526	1479
		F05	1475	1421	1369	1314	1260	1207	1152	1097
		F06	1626	1578	1522	1475	1427	1353	1328	1283
		F07	1693	1639	1588	1542	1491	1437	1390	1340
		F08	1775	1723	1674	1629	1580	1529	1484	1435
		F09	2161	2122	2084	2048	2010	1973	1940	1914
M9S96 1205D	G	F01	1118	1035	952	860	750	663	590	519
		F02	2143	2095	2047	2002	1954	1891	1850	1802
		F03	2025	1977	1930	1897	1848	1798	1750	1703
		F04	1906	1877	1828	1778	1726	1674	1622	1568
		F05	1220	1145	1070	995	952	907	811	725
		F06	1684	1620	1561	1499	1438	1378	1318	1259
		F07	1766	1712	1666	1612	1558	1506	1450	1395
		F08	1863	1807	1754	1698	1642	1587	1532	1476
		F09	2454	2396	2347	2296	2250	2202	2157	2113

¹ at 0.5" ESP**Notes:**

- CFM in chart is without filter(s). Filters do not ship with this furnace, but must be provided by the installer. If the furnace requires two return filters, this chart assumes both filters are installed.
- All furnaces ship as high-speed cooling and medium-speed heating. Installer must adjust blower cooling and heating speed as needed.

CFM & TEMPERATURE RISE VS. EXTERNAL STATIC PRESSURE

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
M9S96 0403A	Y2	F01	705	661	617	564	509	455	405	362
		F02	1079	1055	1027	994	965	935	906	863
		F03	915	881	846	814	780	737	695	652
		F04	887	855	823	790	751	705	666	608
		F05^	1135	1106	1078	1049	1021	994	965	933
		F06	1189	1163	1138	1111	1085	1059	1032	1001
		F07	1266	1243	1218	1197	1172	1148	1123	1099
		F08	1313	1288	1261	1239	1215	1189	1165	1143
		F09	1342	1324	1305	1280	1263	1239	1216	1193
M9S96 0603B	Y2	F01	758	696	636	572	512	460	412	354
		F02	1218	1178	1140	1100	1060	1016	977	937
		F03	1164	1123	1084	1042	1003	960	920	871
		F04	1121	1083	1041	996	953	906	861	818
		F05^	902	851	801	746	689	637	585	542
		F06	960	917	864	812	764	708	661	614
		F07	1273	1240	1207	1171	1128	1089	1051	1012
		F08	1335	1301	1266	1228	1192	1154	1118	1078
		F09	1427	1390	1362	1327	1297	1260	1224	1193
M9S96 0803B	Y2	F01	715	658	589	524	465	412	360	279
		F02	1415	1385	1355	1322	1291	1255	1219	1186
		F03	1388	1360	1325	1291	1259	1223	1191	1157
		F04	1290	1252	1215	1182	1143	1107	1071	1032
		F05^	916	867	817	767	710	657	608	563
		F06	985	940	892	842	797	746	693	649
		F07	1118	1078	1037	992	952	910	863	822
		F08	1191	1153	1114	1074	1034	993	951	911
		F09	1471	1440	1409	1377	1347	1314	1283	1247
M9S96 0804C	Y2	F01	1019	952	878	796	706	619	542	485
		F02	1791	1743	1700	1663	1626	1583	1538	1489
		F03	1625	1559	1512	1468	1425	1370	1325	1271
		F04	1537	1490	1447	1403	1354	1301	1247	1190
		F05^	1289	1234	1180	1122	1058	991	917	840
		F06	1431	1375	1329	1283	1227	1169	1108	1043
		F07	1836	1784	1741	1703	1664	1628	1585	1537
		F08	1919	1890	1846	1807	1771	1735	1694	1650
		F09	1952	1921	1885	1843	1804	1769	1731	1691

NOTES

- ^ DEFAULT SPEED

CFM & TEMPERATURE RISE VS. EXTERNAL STATIC PRESSURE

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
M9S96 0805C	Y2	F01	1029	959	890	811	727	647	579	511
		F02	1814	1766	1722	1679	1637	1595	1555	1511
		F03	1893	1844	1803	1763	1723	1685	1641	1604
		F04	1738	1680	1637	1596	1554	1510	1469	1420
		F05^	1193	1135	1087	1016	986	950	880	805
		F06	1421	1369	1323	1272	1222	1168	1108	1045
		F07	1582	1536	1491	1445	1404	1358	1309	1255
		F08	1962	1919	1889	1851	1816	1780	1743	1702
		F09	2068	2024	1986	1947	1912	1873	1837	1797
M9S96 1005C	Y2	F01	1008	934	855	779	702	628	557	493
		F02	2026	1981	1929	1901	1858	1819	1773	1733
		F03	1921	1879	1840	1791	1751	1705	1656	1610
		F04	1804	1755	1710	1664	1619	1574	1526	1479
		F05^	1475	1421	1369	1314	1260	1207	1152	1097
		F06	1626	1578	1522	1475	1427	1353	1328	1283
		F07	1693	1639	1588	1542	1491	1437	1390	1340
		F08	1775	1723	1674	1629	1580	1529	1484	1435
		F09	2161	2122	2084	2048	2010	1973	1940	1914
M9S96 1205D	Y2	F01	1118	1035	952	860	750	663	590	519
		F02	2143	2095	2047	2002	1954	1891	1850	1802
		F03	2025	1977	1930	1897	1848	1798	1750	1703
		F04	1906	1877	1828	1778	1726	1674	1622	1568
		F05^	1220	1145	1070	995	952	907	811	725
		F06	1684	1620	1561	1499	1438	1378	1318	1259
		F07	1766	1712	1666	1612	1558	1506	1450	1395
		F08	1863	1807	1754	1698	1642	1587	1532	1476
		F09	2454	2396	2347	2296	2250	2202	2157	2113

NOTES

- ^ DEFAULT SPEED

CFM & TEMPERATURE RISE VS. EXTERNAL STATIC PRESSURE

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
M9S96 0403A	Y/Y1	F01	705	661	617	564	509	455	405	362
		F02	1079	1055	1027	994	965	935	906	863
		F03	915	881	846	814	780	737	695	652
		F04^	887	855	823	790	751	705	666	608
		F05	1135	1106	1078	1049	1021	994	965	933
		F06	1189	1163	1138	1111	1085	1059	1032	1001
		F07	1266	1243	1218	1197	1172	1148	1123	1099
		F08	1313	1288	1261	1239	1215	1189	1165	1143
		F09	1342	1324	1305	1280	1263	1239	1216	1193
M9S96 0603B	Y/Y1	F01	758	696	636	572	512	460	412	354
		F02	1218	1178	1140	1100	1060	1016	977	937
		F03	1164	1123	1084	1042	1003	960	920	871
		F04^	1121	1083	1041	996	953	906	861	818
		F05	902	851	801	746	689	637	585	542
		F06	960	917	864	812	764	708	661	614
		F07	1273	1240	1207	1171	1128	1089	1051	1012
		F08	1335	1301	1266	1228	1192	1154	1118	1078
		F09	1427	1390	1362	1327	1297	1260	1224	1193
M9S96 0803B	Y/Y1	F01	715	658	589	524	465	412	360	279
		F02	1415	1385	1355	1322	1291	1255	1219	1186
		F03	1388	1360	1325	1291	1259	1223	1191	1157
		F04^	1290	1252	1215	1182	1143	1107	1071	1032
		F05	916	867	817	767	710	657	608	563
		F06	985	940	892	842	797	746	693	649
		F07	1118	1078	1037	992	952	910	863	822
		F08	1191	1153	1114	1074	1034	993	951	911
		F09	1471	1440	1409	1377	1347	1314	1283	1247
M9S96 0804C	Y/Y1	F01	1019	952	878	796	706	619	542	485
		F02	1791	1743	1700	1663	1626	1583	1538	1489
		F03	1625	1559	1512	1468	1425	1370	1325	1271
		F04^	1537	1490	1447	1403	1354	1301	1247	1190
		F05	1289	1234	1180	1122	1058	991	917	840
		F06	1431	1375	1329	1283	1227	1169	1108	1043
		F07	1836	1784	1741	1703	1664	1628	1585	1537
		F08	1919	1890	1846	1807	1771	1735	1694	1650
		F09	1952	1921	1885	1843	1804	1769	1731	1691

NOTES

- ^ DEFAULT SPEED

CFM & TEMPERATURE RISE VS. EXTERNAL STATIC PRESSURE

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
M9S96 0805C	Y/Y1	F01	1029	959	890	811	727	647	579	511
		F02	1814	1766	1722	1679	1637	1595	1555	1511
		F03	1893	1844	1803	1763	1723	1685	1641	1604
		F04^	1738	1680	1637	1596	1554	1510	1469	1420
		F05	1193	1135	1087	1016	986	950	880	805
		F06	1421	1369	1323	1272	1222	1168	1108	1045
		F07	1582	1536	1491	1445	1404	1358	1309	1255
		F08	1962	1919	1889	1851	1816	1780	1743	1702
		F09	2068	2024	1986	1947	1912	1873	1837	1797
M9S96 1005C	Y/Y1	F01	1008	934	855	779	702	628	557	493
		F02	2026	1981	1929	1901	1858	1819	1773	1733
		F03	1921	1879	1840	1791	1751	1705	1656	1610
		F04^	1804	1755	1710	1664	1619	1574	1526	1479
		F05	1475	1421	1369	1314	1260	1207	1152	1097
		F06	1626	1578	1522	1475	1427	1353	1328	1283
		F07	1693	1639	1588	1542	1491	1437	1390	1340
		F08	1775	1723	1674	1629	1580	1529	1484	1435
		F09	2161	2122	2084	2048	2010	1973	1940	1914
M9S96 1205D	Y/Y1	F01	1118	1035	952	860	750	663	590	519
		F02	2143	2095	2047	2002	1954	1891	1850	1802
		F03	2025	1977	1930	1897	1848	1798	1750	1703
		F04^	1906	1877	1828	1778	1726	1674	1622	1568
		F05	1220	1145	1070	995	952	907	811	725
		F06	1684	1620	1561	1499	1438	1378	1318	1259
		F07	1766	1712	1666	1612	1558	1506	1450	1395
		F08	1863	1807	1754	1698	1642	1587	1532	1476
		F09	2454	2396	2347	2296	2250	2202	2157	2113

NOTES

- ^ DEFAULT SPEED

CFM & TEMPERATURE RISE VS. EXTERNAL STATIC PRESSURE

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)													TEMP RANGE
			0.1		0.2		0.3		0.4		0.5		0.6	0.7	0.8	
			CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE	CFM	CFM	CFM	
C9S96 0403B	W/W1	F01^^	632	N/A	574	N/A	510	N/A	448	N/A	388	N/A	332	277	234	35-65
		F02^	727	48	677	51	623	54	565	60	510	65	455	403	351	
		F03	878	41	839	42	797	45	751	47	701	51	653	607	561	
		F04	948	38	910	39	870	41	828	43	785	45	739	693	652	
C9S96 0603B	W/W1	F01^^	771	N/A	698	N/A	632	N/A	560	N/A	491	N/A	428	372	307	35-65
		F02^	1197	45	1150	46	1102	48	1057	50	1014	53	968	926	877	
		F03	1309	41	1264	42	1224	44	1180	45	1141	47	1098	1058	1018	
		F04	1138	47	1091	49	1043	51	993	54	949	56	901	853	805	
C9S96 0804C	W/W1	F01^^	873	N/A	778	N/A	682	N/A	630	N/A	578	N/A	490	419	347	40-70
		F02^	1442	49	1386	51	1335	53	1280	56	1221	58	1157	1110	1054	
		F03	1643	43	1588	45	1534	46	1478	48	1415	50	1357	1299	1246	
		F04	1600	44	1555	46	1505	47	1460	49	1412	50	1364	1309	1260	
C9S96 1005C	W/W1	F01^^	1176	N/A	1107	N/A	1037	N/A	969	N/A	891	N/A	825	753	692	40-70
		F02^	1773	50	1721	52	1671	53	1621	55	1571	57	1521	1470	1421	
		F03^^	1709	52	1658	54	1607	55	1556	57	1503	59	1451	1399	1349	
		F04	1651	54	1597	56	1542	58	1491	60	1437	62	1384	1332	1278	
C9S96 1205D	W/W1	F01^^	1187	N/A	1101	N/A	1013	N/A	931	N/A	847	N/A	764	677	604	45-75
		F02^	1973	54	1916	56	1864	57	1810	59	1756	61	1702	1650	1590	
		F03	1918	56	1859	57	1807	59	1748	61	1696	63	1643	1591	1531	
		F04	1835	58	1776	60	1720	62	1657	64	1602	67	1544	1483	1428	

NOTES

- ^ DEFAULT SPEED
- ^^NOT RECOMMENDED FOR HEATING

MINIMUM FILTER SIZES

	GC9S96 0403BNA	GC9S96 0603BNA	GC9S96 0804CNA	GC9S96 1005CNA	GC9S96 1205DNA
Filter Size (in ²) (Qty)	(2) 10 x 20 or (1) 16 x 25 (top return)			(1) 14 x 20 (bottom) or (1) 20 x 25 (top return)	

Note: Other size filters of equal or greater dimensions may be used. Filters may also be centrally located.

CFM & TEMPERATURE RISE VS. EXTERNAL STATIC PRESSURE

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
C9S96 0403B	G	F01	632	574	510	448	388	332	277	234
		F02	727	677	623	565	510	455	403	351
		F03	878	839	797	751	701	653	607	561
		F04	948	910	870	828	785	739	693	652
		F05	1106	1076	1044	1010	974	939	899	860
		F06	1156	1125	1096	1063	1028	996	960	927
		F07	1237	1205	1174	1145	1115	1081	1050	1016
		F08	1334	1306	1275	1249	1220	1194	1163	1136
		F09	1382	1354	1327	1302	1276	1246	1219	1190
C9S96 0603B	G	F01	771	698	632	560	491	428	372	307
		F02	1197	1150	1102	1057	1014	968	926	877
		F03	1309	1264	1224	1180	1141	1098	1058	1018
		F04	1138	1091	1043	993	949	901	853	805
		F05	944	884	824	774	716	660	605	554
		F06	963	907	852	803	745	689	639	587
		F07	1332	1289	1245	1200	1160	1120	1081	1036
		F08	1366	1319	1277	1235	1192	1154	1117	1074
		F09	1468	1436	1393	1359	1323	1285	1248	1210
C9S96 0804C	G	F01	873	778	682	630	578	490	419	347
		F02	1442	1386	1335	1280	1221	1157	1110	1054
		F03	1643	1588	1534	1478	1415	1357	1299	1246
		F04	1600	1555	1505	1460	1412	1364	1309	1260
		F05	1338	1269	1206	1133	1063	999	934	861
		F06	1796	1744	1691	1638	1584	1532	1473	1422
		F07	1874	1823	1775	1729	1675	1621	1567	1512
		F08	1798	1754	1719	1672	1627	1585	1546	1497
		F09	1991	1947	1900	1854	1808	1759	1707	1655
C9S96 1005C	G	F01	1176	1107	1037	969	891	825	753	692
		F02	1773	1721	1671	1621	1571	1521	1470	1421
		F03	1709	1658	1607	1556	1503	1451	1399	1349
		F04	1651	1597	1542	1491	1437	1384	1332	1278
		F05	1467	1409	1352	1307	1240	1182	1124	1063
		F06	1834	1785	1738	1691	1643	1593	1545	1502
		F07	1924	1881	1836	1796	1750	1701	1652	1606
		F08	2028	1994	1937	1899	1863	1814	1769	1724
		F09	2193	2145	2106	2076	2032	1998	1945	1903
C9S96 1205D	G	F01	1187	1101	1013	931	847	764	677	604
		F02	1973	1916	1864	1810	1756	1702	1650	1590
		F03	1918	1859	1807	1748	1696	1643	1591	1531
		F04	1835	1776	1720	1657	1602	1544	1483	1428
		F05	1236	1152	1073	990	919	834	749	679
		F06	1521	1459	1391	1327	1253	1187	1116	1053
		F07	1673	1609	1549	1493	1430	1362	1305	1242
		F08	2033	1981	1929	1878	1822	1771	1716	1669
		F09	2257	2201	2151	2099	2057	2008	1959	1906

¹ at 0.5" ESP**Notes:**

- CFM in chart is without filter(s). Filters do not ship with this furnace, but must be provided by the installer. If the furnace requires two return filters, this chart assumes both filters are installed.
- All furnaces ship as high-speed cooling and medium-speed heating. Installer must adjust blower cooling and heating speed as needed.

GC9S96 HIGH STAGE COOLING AIRFLOW DATA

CFM & TEMPERATURE RISE VS. EXTERNAL STATIC PRESSURE

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
C9S96 0403B	Y2	F01	632	574	510	448	388	332	277	234
		F02	727	677	623	565	510	455	403	351
		F03	878	839	797	751	701	653	607	561
		F04	948	910	870	828	785	739	693	652
		F05^	1106	1076	1044	1010	974	939	899	860
		F06	1156	1125	1096	1063	1028	996	960	927
		F07	1237	1205	1174	1145	1115	1081	1050	1016
		F08	1334	1306	1275	1249	1220	1194	1163	1136
		F09	1382	1354	1327	1302	1276	1246	1219	1190
C9S96 0603B	Y2	F01	771	698	632	560	491	428	372	307
		F02	1197	1150	1102	1057	1014	968	926	877
		F03	1309	1264	1224	1180	1141	1098	1058	1018
		F04	1138	1091	1043	993	949	901	853	805
		F05^	944	884	824	774	716	660	605	554
		F06	963	907	852	803	745	689	639	587
		F07	1332	1289	1245	1200	1160	1120	1081	1036
		F08	1366	1319	1277	1235	1192	1154	1117	1074
		F09	1468	1436	1393	1359	1323	1285	1248	1210
C9S96 0804C	Y2	F01	873	778	682	630	578	490	419	347
		F02	1442	1386	1335	1280	1221	1157	1110	1054
		F03	1643	1588	1534	1478	1415	1357	1299	1246
		F04	1600	1555	1505	1460	1412	1364	1309	1260
		F05^	1338	1269	1206	1133	1063	999	934	861
		F06	1796	1744	1691	1638	1584	1532	1473	1422
		F07	1874	1823	1775	1729	1675	1621	1567	1512
		F08	1798	1754	1719	1672	1627	1585	1546	1497
		F09	1991	1947	1900	1854	1808	1759	1707	1655
C9S96 1005C	Y2	F01	1176	1107	1037	969	891	825	753	692
		F02	1773	1721	1671	1621	1571	1521	1470	1421
		F03	1709	1658	1607	1556	1503	1451	1399	1349
		F04	1651	1597	1542	1491	1437	1384	1332	1278
		F05^	1467	1409	1352	1307	1240	1182	1124	1063
		F06	1834	1785	1738	1691	1643	1593	1545	1502
		F07	1924	1881	1836	1796	1750	1701	1652	1606
		F08	2028	1994	1937	1899	1863	1814	1769	1724
		F09	2193	2145	2106	2076	2032	1998	1945	1903
C9S96 1205D	Y2	F01	1187	1101	1013	931	847	764	677	604
		F02	1973	1916	1864	1810	1756	1702	1650	1590
		F03	1918	1859	1807	1748	1696	1643	1591	1531
		F04	1835	1776	1720	1657	1602	1544	1483	1428
		F05^	1236	1152	1073	990	919	834	749	679
		F06	1521	1459	1391	1327	1253	1187	1116	1053
		F07	1673	1609	1549	1493	1430	1362	1305	1242
		F08	2033	1981	1929	1878	1822	1771	1716	1669
		F09	2257	2201	2151	2099	2057	2008	1959	1906

NOTES

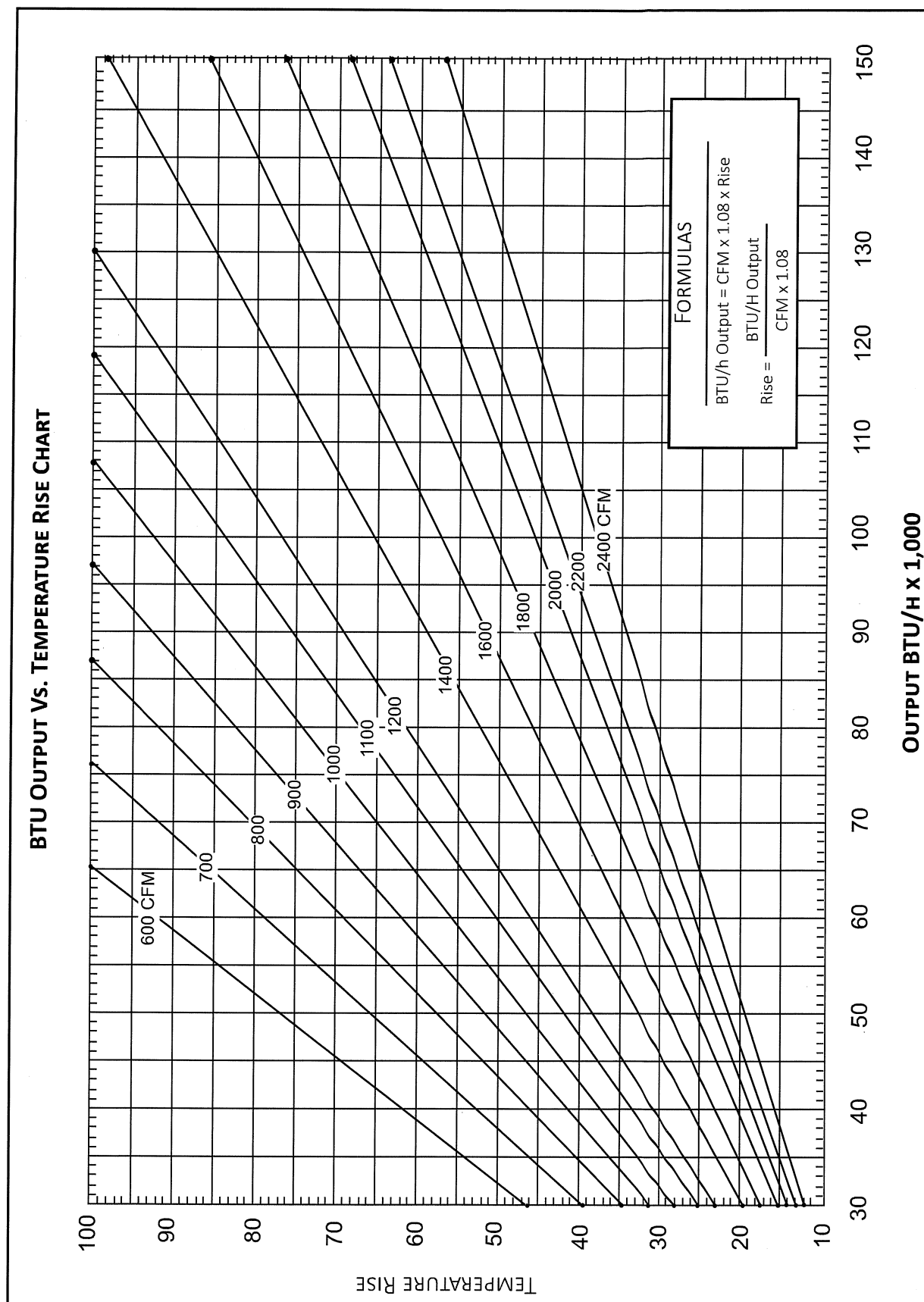
- ^ DEFAULT SPEED

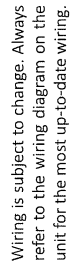
CFM & TEMPERATURE RISE VS. EXTERNAL STATIC PRESSURE

MODEL	THERMOSTAT CALL	TAP #	EXTERNAL STATIC PRESSURE, (INCHES WATER COLUMN)							
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
			CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
C9S96 0403B	Y/Y1	F01	632	574	510	448	388	332	277	234
		F02	727	677	623	565	510	455	403	351
		F03	878	839	797	751	701	653	607	561
		F04^	948	910	870	828	785	739	693	652
		F05	1106	1076	1044	1010	974	939	899	860
		F06	1156	1125	1096	1063	1028	996	960	927
		F07	1237	1205	1174	1145	1115	1081	1050	1016
		F08	1334	1306	1275	1249	1220	1194	1163	1136
		F09	1382	1354	1327	1302	1276	1246	1219	1190
C9S96 0603B	Y/Y1	F01	771	698	632	560	491	428	372	307
		F02	1197	1150	1102	1057	1014	968	926	877
		F03	1309	1264	1224	1180	1141	1098	1058	1018
		F04^	1138	1091	1043	993	949	901	853	805
		F05	944	884	824	774	716	660	605	554
		F06	963	907	852	803	745	689	639	587
		F07	1332	1289	1245	1200	1160	1120	1081	1036
		F08	1366	1319	1277	1235	1192	1154	1117	1074
		F09	1468	1436	1393	1359	1323	1285	1248	1210
C9S96 0804C	Y/Y1	F01	873	778	682	630	578	490	419	347
		F02	1442	1386	1335	1280	1221	1157	1110	1054
		F03	1643	1588	1534	1478	1415	1357	1299	1246
		F04^	1600	1555	1505	1460	1412	1364	1309	1260
		F05	1338	1269	1206	1133	1063	999	934	861
		F06	1796	1744	1691	1638	1584	1532	1473	1422
		F07	1874	1823	1775	1729	1675	1621	1567	1512
		F08	1798	1754	1719	1672	1627	1585	1546	1497
		F09	1991	1947	1900	1854	1808	1759	1707	1655
C9S96 1005C	Y/Y1	F01	1176	1107	1037	969	891	825	753	692
		F02	1773	1721	1671	1621	1571	1521	1470	1421
		F03	1709	1658	1607	1556	1503	1451	1399	1349
		F04^	1651	1597	1542	1491	1437	1384	1332	1278
		F05	1467	1409	1352	1307	1240	1182	1124	1063
		F06	1834	1785	1738	1691	1643	1593	1545	1502
		F07	1924	1881	1836	1796	1750	1701	1652	1606
		F08	2028	1994	1937	1899	1863	1814	1769	1724
		F09	2193	2145	2106	2076	2032	1998	1945	1903
C9S96 1205D	Y/Y1	F01	1187	1101	1013	931	847	764	677	604
		F02	1973	1916	1864	1810	1756	1702	1650	1590
		F03	1918	1859	1807	1748	1696	1643	1591	1531
		F04^	1835	1776	1720	1657	1602	1544	1483	1428
		F05	1236	1152	1073	990	919	834	749	679
		F06	1521	1459	1391	1327	1253	1187	1116	1053
		F07	1673	1609	1549	1493	1430	1362	1305	1242
		F08	2033	1981	1929	1878	1822	1771	1716	1669
		F09	2257	2201	2151	2099	2057	2008	1959	1906

NOTES

- ^ DEFAULT SPEED





MODEL	DESCRIPTION	GM9S96 0403ANA	GM9S96 0603BNA	GM9S96 0803BNA	GM9S96 0804CNA	GM9S96 0805CNA	GM9S96 1005CNA	GM9S96 1205DNA
72950	Concentric Vent Kit (2")	✓	✓	✓	✓	✓	✓	—
72951	Concentric Vent Kit (3")	✓	✓	✓	✓	✓	✓	✓
RF000142	Drain Kit Horizontal Left Vertical Flue	✓	✓	✓	✓	✓	✓	✓
EFR02	External Filter Rack with 16"x25" Permanent Filter	✓	✓	✓	✓	—	—	—
0170K00000S	Flush Mount Vent Kit- 3" or 2"	✓	✓	✓	✓	✓	✓	✓
0170K00001S	Flush Mount Vent Kit- 2"	✓	✓	✓	✓	✓	✓	—
AFE18-60A	Fossil Fuel (Dual Fuel) Kit	✓	✓	✓	✓	✓	✓	✓
HASFK	High-Altitude Natural Gas Kit	TBD	HASFK-4	HASFK-4	HASFK-4	HASFK-4	HASFK-4	HASFK-4
HASFK	High-Altitude LP Gas Kit	TBD	HASFK-6	HASFK-6	HASFK-6	HASFK-5	HASFK-5	HASFK-5
0270F05404	Horizontal Drain Tubing Kit	✓	✓	✓	✓	✓	✓	✓
LPLP03	Low LP Gas Pressure Switch	✓	✓	✓	✓	✓	✓	✓
LPM-07	LP Conversion Kits	✓	✓	✓	✓	✓	✓	✓

MODEL	DESCRIPTION	GC9S96 0403BNA	GC9S96 0603BNA	GC9S96 0804CNA	GC9S96 1005CNA	GC9S96 1205DNA
72950	Concentric Vent Kit (2")	✓	✓	✓	✓	—
72951	Concentric Vent Kit (3")	✓	✓	✓	✓	✓
CFSB17	Downflow Sub-Base 17.5"	✓	✓	—	—	—
CFSB21	Downflow Sub-Base 21"	—	—	✓	✓	—
CFSB24	Downflow Sub-Base 24"	—	—	—	—	✓
RF000142	Drain Kit Horizontal Left Vertical Flue	✓	✓	✓	✓	✓
EFR02	External Filter Rack with 16"x25" Permanent Filter	✓	✓	✓	—	—
0170K00000S	Flush Mount Vent Kit- 3" or 2"	✓	✓	✓	✓	✓
0170K00001S	Flush Mount Vent Kit- 2"	✓	✓	✓	✓	✓
AFE18-60A	Fossil Fuel (Dual Fuel) Kit	✓	✓	✓	✓	✓
HASFK	High-Altitude Natural Gas Kit	HASFK-4	HASFK-4	HASFK-4	HASFK-4	HASFK-4
HASFK	High-Altitude LP Gas Kit	HASFK-5	HASFK-5	HASFK-5	HASFK-4	HASFK-4
0270F05405	Horizontal Drain Tubing Kit	✓	✓	✓	✓	✓
LPLP03	Low LP Gas Pressure Switch	✓	✓	✓	✓	✓
LPM-07	LP Conversion Kits	✓	✓	✓	✓	✓

*HIGH-EFFICIENCY
SPLIT SYSTEM HEAT PUMP
UP TO 15.2 SEER2 & 7.8 HSPF2
1½ TO 5 TONS*



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Standard Features

- High-efficiency scroll compressor
- SmartShift® technology to ensure quiet reliable defrost
- Copper tube/ enhanced aluminum fin coil- 5mm diameter on 1.5-3.5T
- Factory-installed suction-line accumulator
- Factory-installed compressor crankcase heater
- Factory-installed high-capacity muffler
- High- and low-pressure switches
- Service valves with sweat connections and easy access to gauge ports
- Fully charged for 15' of tubing length
- Contactor with lug connection
- Ground lug connection
- AHRI Certified; ETL Listed

Cabinet Features

- Removable grille style top design compliant with UL 60335-2-40
- Steel louver coil guard
- Heavy-gauge galvanized-steel cabinet
- Attractive Architectural Gray powder-paint finish with 500-hour salt-spray approval
- Top and side maintenance access
- Single panel access to controls with space provided for field-installed accessories
- When properly anchored, meets the 2020 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)



* Complete warranty details available from your local dealer or at www.franklinhvacsystems.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Quebec. The duration of warranty coverages in Texas differs in some cases.

NOMENCLATURE

	G	S	Z	H	5	0	36	1	0	AA	
	1	2	3	4	5	6	7,8	9	10	11, 12	
Brand											Engineering
G Goodman® Brand											Major/Minor Revisions A - Initial Release B - 1st Revision
Product Category											Variation
S Split System R-410A											
Unit Type - Split System											Electrical
X Condenser											1 208/230 V, 1 Phase, 60 Hz
Z Heat Pump											
Feature											Nominal Capacity
N Value											
H Enhanced											
B Classic											018 - 1½ tons
C Premium											042 3½ Tons
M Multi-Family											024 - 2 tons
V Ultimate											048 4 Tons
											030 - 2½ tons
											060 5 Tons
											036 - 3 tons
SEER2											Sales Region
13.4 - 13.7 = 3											N North
13.8 - 14.5 = 4											S Southeast & North
14.6 - 15.5 = 5											O All Regions
15.6 - 16.5 = 6											
16.6 - 17.5 = 7											
17.6 - 18.5 = 8											
18.6 - 19.5 = 9											
19.6 + = 0											

	GSZH5 01810A*	GSZH5 02410A*	GSZH5 03010A*	GSZH5 03610A*	GSZH5 04210A*	GSZH5 04810A*	GSZH5 06010A*
NOMINAL CAPACITIES							
Cooling (BTU/h)	18,000	24,000	30,000	36,000	42,000	48,000	60,000
Heating (BTU/h)	18,000	24,000	30,000	36,000	42,000	48,000	60,000
SEER2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
Decibels	68	72	69	72	75	74	76
COMPRESSOR							
RLA	9.0	11.5	14.1	16.0	17.7	19.9	25.6
LRA	42.6	59.5	67.9	91.9	110.2	110.0	151.0
Stage	Single	Single	Single	Single	Single	Single	Two
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
CONDENSER FAN MOTOR							
Horsepower	1/6	1/6	1/6	1/3	1/4	1/4	1/5
FLA	0.95	0.97	0.97	2.8	1.3	1.3	1.0
REFRIGERATION SYSTEM							
Refrigerant Line Size ¹							
Liquid Line Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Line Size ("O.D.)	3/4"	3/4"	3/4"	7/8"	1 1/8"	1 1/8"	1 1/8"
Refrigerant Connection Size							
Liquid Valve Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Valve Size ("O.D.)	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"
Valve Connection Type	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge (oz.)	106	118	119	114	167	222	276
ELECTRICAL DATA							
Volts/Phase (60 Hz)	208/230	208/230	208/230	208/230	208/230	208/230	208/230
Minimum Circuit Ampacity ²	12.2	15.3	18.6	22.8	23.4	26.2	33.0
Max. Overcurrent Protection ³	20	25	30	35	40	45	50
Min / Max Volts	197/253	197/253	197/253	197/253	197/253	197/253	197/253
Electrical Conduit Size	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
UNIT WEIGHTS							
Equipment Weight	171	193	215	222	264	272	309
Shipping Weight	186	213	235	242	284	292	329

¹ Tested and rated in accordance with AHRI Standard 210/240

² Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes

³ Must use time-delay fuses or HACR-type circuit breakers 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 3/8" to 1 1/8" adapters for suction line connections.
- Unit is charged with refrigerant for 15' of 3/8" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.
- Installation of these units requires the specified TXV Kit to be installed on the indoor coil.
THE SPECIFIED TXV IS DETERMINED BY THE OUTDOOR UNIT NOT THE INDOOR COIL.

IDB		OUTDOOR AMBIENT TEMPERATURE																									
		65°F				75°F				85°F				95°F				105°F				115°F					
		ENTERING INDOOR WET BULB TEMPERATURE																									
AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71			
550	MBh	17.9	18.2	18.7	-	17.8	18.0	18.6	-	17.3	17.6	18.1	-	16.5	16.7	17.3	-	15.5	15.8	16.3	-	14.6	14.9	15.4	-		
	S/T	0.62	0.54	0.41	-	0.63	0.55	0.41	-	0.65	0.57	0.44	-	1.00	0.59	0.46	-	1.00	0.62	0.48	-	1.00	0.67	0.53	-		
	Δ T	19	17	14	-	19	17	14	-	19	17	14	-	19	17	14	-	18	17	13	-	19	18	14	-		
	kW	0.99	0.99	0.98	-	1.10	1.09	1.09	-	1.22	1.22	1.21	-	1.35	1.35	1.35	-	1.50	1.50	1.49	-	1.67	1.67	1.67	-		
	Amps	3.8	3.8	3.8	-	4.3	4.3	4.3	-	4.8	4.8	4.8	-	5.4	5.4	5.4	-	6.1	6.1	6.1	-	6.9	6.9	6.9	-		
	HI PR	232	233	234	-	268	269	271	-	306	307	309	-	348	349	350	-	392	393	395	-	439	440	442	-		
LO PR	124	125	128	-	131	133	136	-	138	139	142	-	143	145	148	-	149	150	153	-	156	157	160	-			
70	MBh	18.1	18.4	18.9	-	18.0	18.2	18.8	-	17.5	17.8	18.3	-	16.7	17.0	17.5	-	15.7	16.0	16.5	-	14.8	15.1	15.6	-		
	S/T	0.67	0.60	0.46	-	0.68	0.60	0.47	-	0.71	0.63	0.49	-	1.00	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.72	0.59	-		
	Δ T	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	17	16	12	-	18	17	13	-		
	kW	0.99	0.99	0.99	-	1.10	1.10	1.10	-	1.22	1.22	1.22	-	1.35	1.35	1.35	-	1.50	1.50	1.50	-	1.68	1.67	1.67	-		
	Amps	3.8	3.8	3.8	-	4.3	4.3	4.3	-	4.9	4.9	4.9	-	5.5	5.5	5.5	-	6.1	6.1	6.1	-	6.9	6.9	6.9	-		
	HI PR	233	234	236	-	270	271	273	-	308	309	311	-	349	350	352	-	394	395	396	-	441	442	444	-		
LO PR	125	127	130	-	133	134	137	-	139	141	144	-	145	146	150	-	150	152	155	-	157	159	162	-			
675	MBh	18.3	18.6	19.1	-	18.2	18.4	19.0	-	17.7	18.0	18.5	-	16.9	17.2	17.7	-	15.9	16.2	16.7	-	15.0	15.3	15.8	-		
	S/T	0.70	0.62	0.49	-	0.71	0.63	0.49	-	0.73	0.66	0.52	-	1.00	0.67	0.54	-	1.00	0.70	0.56	-	1.00	0.75	0.61	-		
	Δ T	17	15	12	-	17	15	12	-	17	16	12	-	17	15	12	-	17	15	12	-	18	16	13	-		
	kW	0.99	0.99	0.99	-	1.10	1.10	1.10	-	1.23	1.23	1.22	-	1.36	1.36	1.36	-	1.51	1.51	1.50	-	1.68	1.68	1.68	-		
	Amps	3.8	3.8	3.8	-	4.3	4.3	4.3	-	4.9	4.9	4.9	-	5.5	5.5	5.5	-	6.2	6.2	6.2	-	7.0	7.0	6.9	-		
	HI PR	235	236	237	-	271	272	274	-	310	311	312	-	351	352	353	-	395	396	398	-	443	444	445	-		
LO PR	127	128	131	-	134	136	139	-	141	142	145	-	146	148	151	-	152	153	156	-	159	160	163	-			
550	MBh	17.9	18.2	18.7	19.5	17.8	18.0	18.6	19.4	17.3	17.6	18.1	18.9	16.5	16.8	17.3	18.1	15.5	15.8	16.3	17.1	14.6	14.9	15.4	16.2		
	S/T	0.75	0.67	0.54	0.39	0.76	0.68	0.54	0.40	1.00	0.71	0.57	0.42	1.00	0.73	0.59	0.44	1.00	0.75	0.61	0.47	1.00	1.00	0.66	0.52		
	Δ T	22	21	17	14	22	21	17	14	23	21	18	14	22	21	17	14	22	20	17	14	23	21	18	15		
	kW	0.99	0.98	0.98	0.99	1.09	1.09	1.09	1.10	1.22	1.22	1.21	1.22	1.35	1.35	1.35	1.35	1.50	1.50	1.49	1.50	1.67	1.67	1.67	1.68		
	Amps	3.8	3.8	3.8	3.8	4.3	4.3	4.3	4.3	4.8	4.8	4.8	4.9	5.4	5.4	5.4	5.5	6.1	6.1	6.1	6.1	6.9	6.9	6.9	6.9		
	HI PR	232	233	234	239	268	269	271	275	307	308	309	313	348	349	350	355	392	393	395	399	440	441	442	446		
LO PR	124	125	128	134	131	133	136	141	138	139	142	148	143	145	148	153	149	150	153	159	156	157	160	165			
620	MBh	18.2	18.4	18.9	19.8	18.0	18.2	18.8	19.6	17.5	17.8	18.3	19.1	16.7	17.0	17.5	18.3	15.7	16.0	16.5	17.3	14.8	15.1	15.6	16.4		
	S/T	0.80	0.73	0.59	0.45	0.81	0.73	0.60	0.45	1.00	0.76	0.62	0.48	1.00	0.78	0.64	0.50	1.00	0.80	0.66	0.52	1.00	1.00	0.72	0.57		
	Δ T	21	20	17	13	21	20	16	13	22	20	17	13	21	20	16	13	21	19	16	13	22	21	17	14		
	kW	0.99	0.99	0.99	1.00	1.10	1.10	1.10	1.11	1.22	1.22	1.22	1.23	1.35	1.35	1.35	1.36	1.50	1.50	1.50	1.51	1.68	1.67	1.67	1.68		
	Amps	3.8	3.8	3.8	3.8	4.3	4.3	4.3	4.3	4.9	4.9	4.9	4.9	5.5	5.5	5.5	5.5	6.1	6.1	6.1	6.2	6.9	6.9	6.9	7.0		
	HI PR	234	235	236	240	270	271	273	277	308	309	311	315	350	351	352	356	394	395	397	401	441	442	444	448		
LO PR	125	127	130	135	133	134	137	143	139	141	144	149	145	150	155	155	150	152	155	160	157	159	162	167			
675	MBh	18.3	18.6	19.1	20.0	18.2	18.4	19.0	19.8	17.7	18.0	18.5	19.3	16.9	17.2	17.7	18.5	15.9	16.2	16.7	17.5	15.0	15.3	15.8	16.6		
	S/T	0.83	0.75	0.62	0.47	1.00	0.76	0.62	0.48	1.00	0.79	0.65	0.50	1.00	0.81	0.67	0.52	1.00	0.83	0.69	0.55	1.00	1.00	0.74	0.60		
	Δ T	21	19	16	13	21	19	16	12	21	19	16	13	21	19	16	12	21	19	16	12	22	20	17	13		
	kW	0.99	0.99	0.99	1.00	1.10	1.10	1.10	1.11	1.23	1.22	1.22	1.23	1.36	1.36	1.35	1.36	1.51	1.50	1.50	1.51	1.68	1.68	1.68	1.68		
	Amps	3.8	3.8	3.8	3.8	4.3	4.3	4.3	4.3	4.9	4.9	4.9	4.9	5.5	5.5	5.5	5.5	6.2	6.2	6.1	6.2	7.0	6.9	7.0	7.0		
	HI PR	235	236	238	242	272	273	274	278	310	311	312	316	351	352	354	358	395	396	398	402	443	444	445	449		
LO PR	127	128	131	137	134	136	139	144	141	142	145	151	146	148	151	156	152	153	156	162	159	160	163	169			
DB: Entering Indoor Dry Bulb Temperature																								kW = Total system power			
High and low pressures are measured at the liquid and suction service valves.																								Amps = Outdoor unit amps (compressor + fan)			
Shaded area reflects ACCA (TVA) Rating Conditions.																											

		OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	MBh	18.0	18.3	18.8	19.6	17.9	18.1	18.7	19.5	17.4	17.7	18.2	19.0	16.6	16.9	17.4	18.2	15.6	15.9	16.4	17.2	14.7	15.0	15.5	16.3
	S/T	1.00	0.80	0.66	0.52	1.00	0.81	0.67	0.53	1.00	0.83	0.70	0.55	1.00	1.00	0.71	0.57	1.00	1.00	0.74	0.59	1.00	1.00	0.79	0.64
	Δ T	26	25	21	18	26	24	21	18	26	25	21	18	26	24	21	18	26	24	21	18	27	25	22	19
	kW	0.99	0.99	0.98	0.99	1.10	1.09	1.09	1.10	1.22	1.22	1.21	1.22	1.35	1.35	1.35	1.36	1.50	1.50	1.49	1.50	1.67	1.67	1.67	1.68
	Amps	3.8	3.8	3.8	3.8	4.3	4.3	4.3	4.3	4.8	4.8	4.8	4.9	5.4	5.4	5.4	5.5	6.1	6.1	6.1	6.2	6.9	6.9	6.9	6.9
	HI PR	232	233	235	239	269	270	271	275	307	308	310	314	348	349	351	355	393	394	395	399	440	441	443	447
85	LO PR	124	126	129	134	132	133	136	142	138	140	143	148	144	145	148	154	149	151	154	159	156	158	161	166
	MBh	18.2	18.5	19.0	19.8	18.1	18.3	18.9	19.7	17.6	17.9	18.4	19.2	16.8	17.1	17.6	18.4	15.8	16.1	16.6	17.4	14.9	15.2	15.7	16.5
	S/T	1.00	0.85	0.72	0.57	1.00	0.86	0.72	0.58	1.00	0.89	0.75	0.60	1.00	1.00	0.77	0.62	1.00	1.00	0.79	0.65	1.00	1.00	0.84	0.70
	Δ T	25	24	20	17	25	24	20	17	26	24	21	17	25	24	20	17	25	23	20	17	26	24	21	18
	kW	0.99	0.99	0.99	1.00	1.10	1.10	1.10	1.11	1.22	1.22	1.22	1.23	1.35	1.35	1.35	1.36	1.50	1.50	1.50	1.51	1.68	1.67	1.67	1.68
	Amps	3.8	3.8	3.8	3.8	4.3	4.3	4.3	4.3	4.9	4.9	4.9	4.9	5.5	5.5	5.5	5.5	6.1	6.1	6.1	6.2	6.9	6.9	6.9	7.0
80	HI PR	234	235	237	241	271	272	273	277	309	310	311	316	350	351	353	357	394	395	397	401	442	443	445	449
	LO PR	126	127	130	136	133	135	138	143	140	141	145	150	145	147	150	155	151	152	156	161	158	159	162	168
85	MBh	18.4	18.7	19.2	20.0	18.3	18.5	19.1	19.9	17.8	18.1	18.6	19.4	17.0	17.3	17.8	18.6	16.0	16.3	16.8	17.6	15.1	15.4	15.9	16.7
	S/T	1.00	0.88	0.74	0.60	1.00	0.89	0.75	0.61	1.00	0.91	0.78	0.63	1.00	1.00	0.80	0.65	1.00	1.00	0.82	0.67	1.00	1.00	0.87	0.72
	Δ T	25	23	20	16	25	23	20	16	25	23	20	17	25	23	20	16	24	23	19	16	25	24	21	17
	kW	0.99	0.99	0.99	1.00	1.10	1.10	1.10	1.11	1.23	1.23	1.22	1.23	1.36	1.36	1.36	1.36	1.51	1.50	1.50	1.51	1.68	1.68	1.68	1.68
	Amps	3.8	3.8	3.8	3.8	4.3	4.3	4.3	4.3	4.9	4.9	4.9	4.9	5.5	5.5	5.5	5.5	6.2	6.2	6.2	6.2	7.0	7.0	6.9	7.0
	HI PR	235	236	238	242	272	273	275	279	310	311	313	317	351	352	354	358	396	397	398	402	443	444	446	450
85	LO PR	127	129	132	137	135	136	139	145	141	143	146	151	147	148	152	157	152	154	157	162	159	161	164	169
	MBh	18.3	18.6	19.1	19.9	18.2	18.4	19.0	19.8	17.7	18.0	18.5	19.3	16.9	17.2	17.7	18.5	15.9	16.2	16.7	17.5	15.0	15.3	15.8	16.6
	S/T	1.00	0.90	0.77	0.6	1.00	0.91	0.77	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	1.00	0.7
	Δ T	30	28	25	21	30	28	25	21	30	28	25	22	30	28	25	21	29	28	24	21	30	29	25	22
	kW	0.99	0.99	0.99	1.0	1.10	1.10	1.09	1.1	1.22	1.22	1.22	1.2	1.35	1.35	1.35	1.4	1.50	1.50	1.50	1.5	1.67	1.67	1.67	1.7
	Amps	3.8	3.8	3.8	3.8	4.3	4.3	4.3	4.3	4.9	4.8	4.8	4.9	5.5	5.5	5.4	5.5	6.1	6.1	6.1	6.2	6.9	6.9	6.9	7.0
85	HI PR	233	234	236	240	270	271	273	277	308	309	311	315	349	350	352	356	394	395	396	400	441	442	444	448
	LO PR	126	128	131	136	134	135	138	143	140	142	145	150	146	147	150	156	151	153	156	161	158	159	163	168
	MBh	18.5	18.8	19.3	20.2	18.4	18.6	19.2	20.0	17.9	18.2	18.7	19.5	17.1	17.4	17.9	18.7	16.1	16.4	16.9	17.7	15.2	15.5	16.0	16.8
	S/T	1.00	0.96	0.82	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.89	0.7	1.00	1.00	1.00	0.8
	Δ T	29	27	24	20	29	27	24	20	29	27	24	21	29	27	24	20	28	27	23	20	30	28	25	21
	kW	0.99	0.99	0.99	1.0	1.10	1.10	1.10	1.1	1.22	1.22	1.22	1.2	1.36	1.36	1.35	1.4	1.50	1.50	1.50	1.5	1.68	1.68	1.68	1.7
85	Amps	3.8	3.8	3.8	3.8	4.3	4.3	4.3	4.3	4.9	4.9	4.9	4.9	5.5	5.5	5.5	5.5	6.2	6.2	6.1	6.2	7.0	6.9	6.9	7.0
	HI PR	235	236	238	242	272	273	274	278	310	311	313	317	351	352	354	358	396	397	398	402	443	444	446	450
	LO PR	128	129	132	138	135	137	140	145	142	143	146	152	147	149	152	157	153	154	157	163	160	161	164	170
	MBh	18.7	19.0	19.5	20.3	18.6	18.8	19.4	20.2	18.1	18.4	18.9	19.7	17.3	17.6	18.1	18.9	16.3	16.6	17.1	17.9	15.4	15.7	16.2	17.0
	S/T	1.00	0.98	0.85	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.88	0.7	1.00	1.00	0.90	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
	Δ T	28	26	23	20	28	26	23	20	28	27	23	20	28	26	23	20	28	26	23	19	29	27	24	21
85	kW	1.00	1.00	0.99	1.0	1.11	1.11	1.10	1.1	1.23	1.23	1.23	1.2	1.36	1.36	1.36	1.4	1.51	1.51	1.51	1.5	1.68	1.68	1.68	1.7
	Amps	3.8	3.8	3.8	3.9	4.3	4.3	4.3	4.4	4.9	4.9	4.9	4.9	5.5	5.5	5.5	5.5	6.2	6.2	6.2	6.2	7.0	7.0	7.0	7.0
	HI PR	237	238	239	243	273	274	276	280	311	312	314	318	352	354	355	359	397	398	400	404	444	445	447	451
	LO PR	129	131	134	139	137	138	141	146	143	145	148	153	149	150	153	159	154	156	159	164	161	163	166	171

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

Shaded area reflects AHRI Rating Conditions.

kW = Total system power
Amps = Outdoor unit amps (compressor + fan)

		OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	MBh	23.6	23.9	24.6	-	23.4	23.7	24.4	-	22.8	23.1	23.8	-	21.7	22.0	22.8	-	20.4	20.8	21.5	-	19.2	19.6	20.3	-
	S/T	0.61	0.54	0.40	-	0.62	0.54	0.40	-	0.64	0.57	0.43	-	0.66	0.59	0.45	-	1.00	0.61	0.47	-	1.00	0.66	0.52	-
	Δ T	20	18	15	-	20	18	15	-	20	19	15	-	20	18	15	-	20	18	15	-	21	19	16	-
	kW	1.29	1.29	1.29	-	1.44	1.44	1.44	-	1.60	1.60	1.60	-	1.78	1.78	1.77	-	1.97	1.97	1.97	-	2.21	2.20	2.20	-
	Amps	5.0	5.0	5.0	-	5.6	5.6	5.6	-	6.4	6.4	6.4	-	7.2	7.2	7.2	-	8.1	8.1	8.1	-	9.1	9.1	9.1	-
800	MBh	23.9	24.2	25.0	-	23.7	24.0	24.7	-	23.1	23.4	24.1	-	22.0	22.4	23.1	-	20.7	21.1	21.8	-	19.5	19.9	20.6	-
	S/T	0.67	0.60	0.46	-	0.68	0.60	0.47	-	0.70	0.63	0.49	-	1.00	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.72	0.58	-
	Δ T	19	17	14	-	19	17	14	-	19	17	14	-	19	17	14	-	19	17	13	-	20	18	15	-
	kW	1.30	1.30	1.30	-	1.45	1.45	1.44	-	1.61	1.61	1.61	-	1.79	1.78	1.78	-	1.98	1.98	1.98	-	2.21	2.21	2.21	-
	Amps	5.0	5.0	5.0	-	5.7	5.7	5.7	-	6.4	6.4	6.4	-	7.2	7.2	7.2	-	8.1	8.1	8.1	-	9.2	9.2	9.2	-
900	MBh	23.6	23.9	24.6	-	23.4	23.7	24.4	-	22.8	23.1	23.8	-	21.7	22.0	22.8	-	20.4	20.8	21.5	-	19.2	19.6	20.3	-
	S/T	0.71	0.63	0.49	-	0.71	0.64	0.50	-	0.74	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.70	0.57	-	1.00	0.76	0.62	-
	Δ T	18	16	13	-	18	16	13	-	18	17	13	-	18	16	13	-	18	16	12	-	19	17	14	-
	kW	1.31	1.31	1.30	-	1.45	1.45	1.45	-	1.62	1.61	1.61	-	1.79	1.79	1.79	-	1.99	1.99	1.98	-	2.22	2.22	2.22	-
	Amps	5.0	5.0	5.0	-	5.7	5.7	5.7	-	6.5	6.4	6.4	-	7.3	7.3	7.2	-	8.2	8.2	8.1	-	9.2	9.2	9.2	-

75	MBh	23.6	24.0	24.7	25.7	23.4	23.7	24.4	25.5	22.8	23.1	23.8	24.9	21.7	22.1	22.8	23.8	20.4	20.8	21.5	22.5	19.2	19.6	20.3	21.4
	S/T	0.74	0.67	0.53	0.38	0.75	0.67	0.53	0.39	1.00	0.70	0.56	0.42	1.00	0.72	0.58	0.44	1.00	0.74	0.60	0.46	1.00	1.00	0.65	0.51
	Δ T	24	23	19	15	24	22	19	15	25	23	19	16	24	22	19	15	24	22	19	15	25	23	20	16
	kW	1.29	1.29	1.29	1.30	1.44	1.44	1.44	1.45	1.60	1.60	1.60	1.61	1.78	1.78	1.77	1.78	1.97	1.97	1.97	1.98	2.20	2.20	2.20	2.21
	Amps	5.0	5.0	5.0	5.0	5.6	5.6	5.6	5.7	6.4	6.4	6.4	6.4	7.2	7.2	7.2	7.2	8.1	8.1	8.1	8.1	9.1	9.1	9.1	9.2
800	MBh	23.9	24.3	25.0	26.0	23.7	24.0	24.8	25.8	23.1	23.4	24.1	25.2	22.0	22.4	23.1	24.2	20.7	21.1	21.8	22.9	19.6	19.9	20.6	21.7
	S/T	0.80	0.73	0.59	0.44	0.81	0.73	0.60	0.45	1.00	0.76	0.62	0.48	1.00	0.78	0.64	0.50	1.00	0.80	0.66	0.52	1.00	1.00	0.71	0.57
	Δ T	23	21	18	14	23	21	18	14	23	22	18	14	23	21	18	14	23	21	18	14	24	22	19	15
	kW	1.30	1.30	1.30	1.31	1.45	1.45	1.44	1.45	1.61	1.61	1.61	1.62	1.78	1.78	1.78	1.79	1.98	1.98	1.98	1.99	2.21	2.21	2.21	2.22
	Amps	5.0	5.0	5.0	5.0	5.7	5.7	5.7	5.7	6.4	6.4	6.4	6.5	7.2	7.2	7.2	7.3	8.1	8.1	8.1	8.2	9.2	9.2	9.2	9.2
900	MBh	24.3	24.6	25.3	26.4	24.1	24.4	25.1	26.2	23.5	23.8	24.5	25.6	22.4	22.7	23.4	24.5	21.1	21.4	22.2	23.2	19.9	20.3	21.0	22.0
	S/T	0.84	0.76	0.62	0.48	1.00	0.77	0.63	0.49	1.00	0.79	0.66	0.51	1.00	0.81	0.67	0.53	1.00	0.83	0.70	0.55	1.00	1.00	0.75	0.60
	Δ T	22	20	17	13	22	20	17	13	23	21	17	14	22	20	17	13	22	20	17	13	23	21	18	14
	kW	1.31	1.31	1.30	1.31	1.45	1.45	1.45	1.46	1.62	1.61	1.61	1.62	1.79	1.79	1.79	1.80	1.99	1.99	1.98	2.00	2.22	2.22	2.21	2.23
	Amps	5.0	5.0	5.0	5.1	5.7	5.7	5.7	5.7	6.4	6.4	6.4	6.5	7.3	7.2	7.2	7.3	8.2	8.1	8.1	8.2	9.2	9.2	9.2	9.2

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ACCA (TV) Rating Conditions.
 kW = Total system power
 Amps = Outdoor unit amps (compressor + fan)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE																							
		65°F						75°F						85°F						95°F						105°F						115°F					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
700	MBh	23.7	24.1	24.8	25.9	23.5	23.9	24.6	25.6	22.9	23.2	24.0	25.0	21.9	22.2	22.9	24.0	20.6	20.9	21.6	22.7	19.4	19.7	20.4	21.5	19.4	19.7	20.4	21.5								
	S/T	1.00	0.79	0.66	0.51	1.00	0.80	0.66	0.52	1.00	0.82	0.69	0.54	1.00	0.84	0.71	0.56	1.00	1.00	0.73	0.58	1.00	1.00	0.78	0.64	1.00	1.00	0.78	0.64								
	Δ T	29	27	23	20	28	27	23	19	29	27	23	20	28	27	23	19	28	26	23	19	29	29	28	24	29	28	24	20								
	kW	1.29	1.29	1.29	1.30	1.44	1.44	1.44	1.45	1.60	1.60	1.60	1.61	1.78	1.78	1.77	1.79	1.97	1.97	1.97	1.98	2.20	2.20	2.20	2.21	2.20	2.20	2.20	2.21								
	Amps	5.0	5.0	5.0	5.0	5.6	5.6	5.6	5.7	6.4	6.4	6.4	6.4	7.2	7.2	7.2	7.2	8.1	8.1	8.1	8.1	9.1	9.1	9.1	9.2	9.1	9.1	9.1	9.2								
	HI PR	235	236	238	242	272	273	275	279	311	312	313	317	352	353	355	359	397	398	400	404	445	446	448	452	445	446	448	448	452							
800	LO PR	124	125	128	134	131	133	136	141	138	139	143	148	143	145	148	153	149	150	154	159	156	157	160	166	156	157	160	166								
	MBh	24.0	24.4	25.1	26.2	23.8	24.2	24.9	26.0	23.2	23.6	24.3	25.3	22.2	22.5	23.2	24.3	20.9	21.2	21.9	23.0	19.7	20.0	20.7	21.8	19.7	20.0	20.7	21.8								
	S/T	1.00	0.85	0.72	0.57	1.00	0.86	0.72	0.58	1.00	0.88	0.75	0.60	1.00	1.00	0.77	0.62	1.00	1.00	0.79	0.65	1.00	1.00	0.84	0.70	1.00	1.00	0.84	0.70								
	Δ T	27	26	22	18	27	25	22	18	28	26	22	19	27	25	22	18	27	25	22	18	28	26	23	19	28	26	23	19								
	kW	1.30	1.30	1.30	1.31	1.45	1.45	1.44	1.45	1.61	1.61	1.61	1.62	1.79	1.78	1.78	1.79	1.98	1.98	1.98	1.99	2.21	2.21	2.21	2.22	2.21	2.21	2.21	2.22								
	Amps	5.0	5.0	5.0	5.0	5.7	5.7	5.7	5.7	6.4	6.4	6.4	6.5	7.2	7.2	7.2	7.3	8.1	8.1	8.1	8.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2								
900	HI PR	237	238	240	244	274	275	277	281	313	314	315	319	354	355	357	361	399	400	402	406	447	448	450	454	447	448	450	454								
	LO PR	126	127	130	136	133	135	138	143	140	141	144	150	145	147	150	155	151	152	155	161	158	159	162	167	158	159	162	167								
	MBh	24.4	24.8	25.5	26.5	24.2	24.5	25.2	26.3	23.6	23.9	24.6	25.7	22.5	22.9	23.6	24.6	21.2	21.6	22.3	23.4	20.1	20.4	21.1	22.2	20.1	20.4	21.1	22.2								
	S/T	1.00	0.89	0.75	0.61	1.00	0.89	0.76	0.61	1.00	0.92	0.78	0.64	1.00	1.00	0.80	0.66	1.00	1.00	0.82	0.68	1.00	1.00	0.88	0.73	1.00	1.00	0.88	0.73								
	Δ T	26	25	21	17	26	25	21	17	27	25	21	18	26	25	21	17	26	24	21	17	27	25	22	18	27	25	22	18								
	kW	1.31	1.31	1.30	1.32	1.45	1.45	1.45	1.46	1.62	1.61	1.61	1.62	1.79	1.79	1.79	1.80	1.99	1.99	1.98	2.00	2.22	2.22	2.22	2.23	2.22	2.22	2.22	2.23								
80	Amps	5.0	5.0	5.0	5.1	5.7	5.7	5.7	5.7	6.5	6.4	6.4	6.5	7.3	7.3	7.3	7.3	8.2	8.2	8.1	8.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2								
	HI PR	239	240	242	246	276	277	279	283	315	316	317	321	356	357	359	363	401	402	404	408	449	450	452	456	449	450	452	456								
	LO PR	128	129	132	138	135	137	140	145	142	143	146	152	147	149	152	157	153	154	157	163	160	161	164	169	160	161	164	169								

700	MBh	24.1	24.5	25.2	26.3	23.9	24.3	25.0	26.0	23.3	23.6	24.3	25.4	22.2	22.6	23.3	24.4	21.0	21.3	22.0	23.1	19.8	20.1	20.8	21.9
	S/T	1.00	0.89	0.76	0.6	1.00	0.90	0.76	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	1.00	0.7
	Δ T	32	30	27	23	32	30	27	23	32	31	27	23	32	30	27	23	32	30	27	23	33	31	28	24
	kW	1.30	1.30	1.29	1.3	1.44	1.44	1.44	1.4	1.60	1.60	1.60	1.6	1.78	1.78	1.78	1.8	1.98	1.98	1.97	2.0	2.21	2.21	2.20	2.2
	Amps	5.0	5.0	5.0	5.0	5.7	5.7	5.6	5.7	6.4	6.4	6.4	6.4	7.2	7.2	7.2	7.2	8.1	8.1	8.1	8.1	9.2	9.2	9.1	9.2
	HI PR	236	237	239	243	273	274	276	280	312	313	314	319	353	354	356	360	398	399	401	405	446	447	449	453
	LO PR	126	127	130	136	133	135	138	143	140	141	144	150	145	147	150	155	151	152	155	161	158	159	162	167
	800	MBh	24.4	24.8	25.5	26.6	24.2	24.6	25.3	26.4	23.6	24.0	24.7	25.7	22.6	22.9	23.6	24.7	21.3	21.6	22.3	23.4	20.1	20.4	21.1
S/T		1.00	0.96	0.82	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.89	0.7	1.00	1.00	1.00	0.8
Δ T		31	29	26	22	31	29	26	22	31	29	26	22	31	29	26	22	31	29	25	22	32	30	27	23
kW		1.30	1.30	1.30	1.3	1.45	1.45	1.45	1.5	1.61	1.61	1.61	1.6	1.79	1.79	1.78	1.8	1.98	1.98	1.98	2.0	2.22	2.21	2.21	2.2
Amps		5.0	5.0	5.0	5.1	5.7	5.7	5.7	5.7	6.4	6.4	6.4	6.5	7.2	7.2	7.2	7.3	8.1	8.1	8.1	8.2	9.2	9.2	9.2	9.2
HI PR		238	239	241	245	275	276	278	282	314	315	316	320	355	356	358	362	400	401	403	407	448	449	451	455
LO PR		127	129	132	137	135	137	140	145	142	143	146	151	147	149	152	157	153	154	157	162	159	161	164	169
900		MBh	24.8	25.2	25.9	26.9	24.6	24.9	25.6	26.7	24.0	24.3	25.0	26.1	22.9	23.3	24.0	25.0	21.6	22.0	22.7	23.8	20.5	20.8	21.5
	S/T	1.00	0.99	0.85	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.88	0.7	1.00	1.00	0.90	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
	Δ T	30	28	25	21	30	28	25	21	30	28	25	21	30	28	25	21	30	28	24	21	31	29	26	22
	kW	1.31	1.31	1.31	1.3	1.46	1.46	1.45	1.5	1.62	1.62	1.62	1.6	1.79	1.79	1.79	1.8	1.99	1.99	1.99	2.0	2.22	2.22	2.22	2.2
	Amps	5.1	5.1	5.0	5.1	5.7	5.7	5.7	5.8	6.5	6.5	6.4	6.5	7.3	7.3	7.3	7.3	8.2	8.2	8.2	8.2	9.2	9.2	9.2	9.3
	HI PR	240	241	243	247	277	278	280	284	316	317	318	322	357	358	360	364	402	403	405	409	450	451	453	457
	LO PR	129	131	134	139	137	139	142	147	144	145	148	153	149	151	154	159	155	156	159	164	161	163	166	171

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

Shaded area reflects AHRI Rating Conditions.

kW = Total system power
Amps = Outdoor unit amps (compressor + fan)

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE																																																																															
				65°F				75°F				85°F				ENTERING INDOOR WET BULB TEMPERATURE												105°F				115°F																																																			
				59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																																																				
875	MBh	28.9	29.3	30.2	-	28.6	29.0	29.9	-	27.9	28.3	29.2	-	26.6	27.0	27.9	-	25.0	25.4	26.3	-	23.5	24.0	24.8	-																																																										
	S/T	0.62	0.54	0.40	-	0.63	0.55	0.41	-	0.65	0.58	0.44	-	0.67	0.60	0.46	-	1.00	0.62	0.48	-	1.00	0.67	0.53	-																																																										
	Δ T	19	17	14	-	19	17	14	-	19	17	14	-	19	17	14	-	19	17	14	-	20	18	15	-																																																										
	kW	1.63	1.63	1.62	-	1.81	1.81	1.81	-	2.02	2.02	2.01	-	2.24	2.24	2.24	-	2.49	2.49	2.49	-	2.78	2.78	2.78	-																																																										
	Amps	6.0	6.0	6.0	-	6.9	6.9	6.8	-	7.8	7.8	7.8	-	8.8	8.8	8.8	-	10.0	10.0	9.9	-	11.3	11.3	11.3	-																																																										
70	HI PR	240	241	243	-	278	279	281	-	318	319	321	-	361	362	363	-	407	408	409	-	456	457	459	-																																																										
	LO PR	120	122	125	-	128	129	132	-	134	136	139	-	140	141	144	-	145	146	149	-	152	153	156	-																																																										
	MBh	29.3	29.7	30.5	-	29.0	29.4	30.3	-	28.3	28.7	29.5	-	27.0	27.4	28.2	-	25.4	25.8	26.6	-	23.9	24.3	25.2	-																																																										
	S/T	0.68	0.61	0.47	-	0.69	0.61	0.47	-	0.72	0.64	0.50	-	0.74	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.73	0.59	-																																																										
	Δ T	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	19	17	14	-																																																										
1000	kW	1.64	1.64	1.63	-	1.82	1.82	1.82	-	2.03	2.03	2.02	-	2.25	2.25	2.25	-	2.50	2.50	2.50	-	2.79	2.79	2.79	-																																																										
	Amps	6.1	6.1	6.0	-	6.9	6.9	6.9	-	7.8	7.8	7.8	-	8.9	8.9	8.8	-	10.0	10.0	10.0	-	11.3	11.3	11.3	-																																																										
	HI PR	242	243	245	-	280	281	283	-	320	321	323	-	363	364	365	-	409	410	412	-	458	459	461	-																																																										
	LO PR	122	124	127	-	130	131	134	-	136	137	140	-	141	143	146	-	147	148	151	-	153	155	158	-																																																										
	MBh	29.7	30.1	31.0	-	29.5	29.9	30.7	-	28.7	29.1	30.0	-	27.4	27.8	28.7	-	25.8	26.2	27.1	-	24.4	24.8	25.7	-																																																										
1125	S/T	0.72	0.64	0.50	-	0.72	0.65	0.51	-	0.75	0.67	0.53	-	0.77	0.69	0.55	-	1.00	0.71	0.58	-	1.00	0.77	0.63	-																																																										
	Δ T	17	15	12	-	17	15	12	-	17	15	12	-	17	15	12	-	17	15	12	-	18	16	13	-																																																										
	kW	1.65	1.64	1.64	-	1.83	1.83	1.83	-	2.04	2.03	2.03	-	2.26	2.26	2.25	-	2.51	2.51	2.50	-	2.80	2.80	2.80	-																																																										
	Amps	6.1	6.1	6.1	-	6.9	6.9	6.9	-	7.9	7.9	7.9	-	8.9	8.9	8.9	-	10.0	10.0	10.0	-	11.4	11.4	11.4	-																																																										
	HI PR	244	245	247	-	282	283	285	-	322	323	325	-	365	366	367	-	411	412	414	-	460	461	463	-																																																										
LO PR	124	126	129	-	131	133	136	-	138	139	142	-	143	145	148	-	149	150	153	-	155	157	160	-																																																											
875	MBh	28.9	29.3	30.2	31.5	28.7	29.1	29.9	31.2	27.9	28.3	29.2	30.5	26.6	27.0	27.9	29.2	25.0	25.4	26.3	27.6	23.6	24.0	24.8	26.2																																																										
	S/T	0.75	0.68	0.54	0.39	0.76	0.68	0.54	0.40	1.00	0.71	0.57	0.42	1.00	0.73	0.59	0.44	1.00	0.75	0.61	0.47	1.00	0.80	0.66	0.52																																																										
	Δ T	23	21	18	14	23	21	18	14	23	21	18	15	23	21	18	14	23	21	18	14	24	22	19	15																																																										
	kW	1.63	1.63	1.62	1.64	1.81	1.81	1.81	1.82	2.02	2.02	2.01	2.03	2.24	2.24	2.24	2.25	2.49	2.49	2.48	2.50	2.78	2.78	2.78	2.79																																																										
	Amps	6.0	6.0	6.0	6.1	6.9	6.8	6.8	6.9	7.8	7.8	7.8	7.8	8.8	8.8	8.8	8.9	10.0	10.0	9.9	10.0	11.3	11.3	11.3																																																											
975	HI PR	240	242	243	247	278	279	281	285	318	319	321	325	361	362	364	368	407	408	410	414	456	457	459	463																																																										
	LO PR	120	122	125	130	128	129	132	137	134	136	139	144	140	141	144	149	145	146	149	155	152	153	156	161																																																										
	MBh	29.3	29.7	30.6	31.9	29.0	29.4	30.3	31.6	28.3	28.7	29.5	30.9	27.0	27.4	28.3	29.6	25.4	25.8	26.7	28.0	23.9	24.4	25.2	26.5																																																										
	S/T	0.82	0.74	0.60	0.45	0.82	0.74	0.60	0.46	1.00	0.77	0.63	0.48	1.00	0.79	0.65	0.50	1.00	0.81	0.67	0.53	1.00	1.00	0.73	0.58																																																										
	Δ T	22	20	17	13	22	20	17	13	22	20	17	14	22	20	17	13	21	20	16	13	23	21	18	14																																																										
1125	kW	1.64	1.63	1.63	1.65	1.82	1.82	1.82	1.83	2.03	2.03	2.02	2.04	2.25	2.25	2.24	2.26	2.50	2.50	2.49	2.51	2.79	2.79	2.79	2.80																																																										
	Amps	6.1	6.0	6.0	6.1	6.9	6.9	6.9	6.9	7.8	7.8	7.8	7.9	8.9	8.9	8.8	8.9	10.0	10.0	10.0	10.0	11.3	11.3	11.3																																																											
	HI PR	243	244	245	249	280	281	283	287	320	321	323	327	363	364	366	370	409	410	412	416	458	459	461	465																																																										
	LO PR	122	124	127	132	130	131	134	139	136	137	141	146	141	143	146	151	147	148	151	156	153	155	158	163																																																										
	MBh	29.7	30.2	31.0	32.3	29.5	29.9	30.8	32.1	28.7	29.1	30.0	31.3	27.4	27.8	28.7	30.0	25.8	26.3	27.1	28.4	24.4	24.8	25.7	27.0																																																										
75	S/T	0.85	0.77	0.63	0.49	0.86	0.78	0.64	0.49	1.00	0.80	0.67	0.52	1.00	0.82	0.69	0.54	1.00	0.85	0.71	0.56	1.00	1.00	0.76	0.61																																																										
	Δ T	21	19	16	12	21	19	16	12	21	19	16	13	21	19	16	12	21	19	16	12	22	20	17	13																																																										
	kW	1.64	1.64	1.64	1.65	1.83	1.83	1.82	1.84	2.03	2.03	2.03	2.04	2.26	2.26	2.25	2.27	2.51	2.51	2.50	2.52	2.80	2.80	2.79	2.81																																																										
	Amps	6.1	6.1	6.1	6.1	6.9	6.9	6.9	7.0	7.9	7.9	7.9	7.9	8.9	8.9	8.9	8.9	10.0	10.0	10.0	10.1	11.4	11.4	11.4																																																											
	HI PR	244	246	247	251	282	283	285	289	322	323	325	329	365	366	368	372	411	412	414	418	460	461	463	467																																																										
LO PR	124	126	129	134	132	133	136	141	138	139	142	148	143	145	148	153	149	150	153	158	155	157	160	165																																																											
DB: Entering Indoor Dry Bulb Temperature																												Shaded area reflects ACCA (TVA) Rating Conditions.																												kW = Total system power																											
High and low pressures are measured at the liquid and suction service valves.																												Ampos = Outdoor unit ampos (compressor + fan)																												Ampos = Outdoor unit ampos (compressor + fan)																											

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

		OUTDOOR AMBIENT TEMPERATURE																																						
		65°F						75°F						85°F						95°F						105°F						115°F								
IDB	AIRFLOW	59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167	171	175	179	183	187	191	195				
		ENTERING INDOOR WET BULB TEMPERATURE																																						
80	MBh	29.1	29.5	30.3	31.6	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0				
	S/T	0.88	0.80	0.67	0.52	0.40	0.30	0.22	0.16	0.11	0.07	0.04	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01				
	Δ T	27	25	22	18	16	14	12	10	9	8	7	6	5	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	kW	1.63	1.63	1.62	1.64	1.64	1.65	1.65	1.66	1.66	1.67	1.67	1.68	1.68	1.69	1.69	1.70	1.70	1.71	1.71	1.72	1.72	1.73	1.73	1.74	1.74	1.75	1.75	1.76	1.76	1.77	1.77	1.78	1.78	1.79	1.79	1.80			
	Amps	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1			
80	HI PR	241	242	244	248	248	286	319	320	321	325	361	362	364	368	407	408	410	414	457	458	459	464	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466		
	LO PR	121	122	126	131	138	135	136	139	144	140	142	145	150	145	147	150	155	152	154	157	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162		
	MBh	29.4	29.8	30.7	32.0	31.8	32.8	28.8	29.7	31.0	27.1	27.5	28.4	29.7	25.5	26.0	26.8	28.1	24.1	24.5	25.4	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7		
	S/T	1.00	0.87	0.73	0.58	1.00	0.87	0.73	0.59	1.00	0.90	0.76	0.61	1.00	0.92	0.78	0.63	1.00	1.00	1.00	0.85	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71		
	Δ T	26	24	21	17	26	24	21	17	26	24	21	17	26	24	21	17	25	24	20	17	26	25	21	18	25	24	20	17	26	25	21	18	25	21	18	25	21	18	
1000	kW	1.64	1.64	1.63	1.65	1.62	1.82	1.82	1.83	2.03	2.03	2.02	2.04	2.25	2.25	2.25	2.26	2.50	2.50	2.50	2.50	2.51	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	
	Amps	6.1	6.1	6.0	6.1	6.9	6.9	6.9	6.9	7.8	7.8	7.8	7.9	8.9	8.9	8.8	8.9	10.0	10.0	10.0	10.0	10.0	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	
	HI PR	243	244	246	250	281	282	284	288	321	322	323	327	363	364	366	370	409	410	412	416	459	460	461	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	
	LO PR	123	124	127	132	130	132	135	140	136	138	141	146	142	143	146	152	147	149	152	157	154	155	158	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	
	MBh	29.9	30.3	31.2	32.5	29.6	30.0	30.9	32.2	28.9	29.3	30.2	31.5	27.6	28.0	28.9	30.2	26.0	26.4	27.3	28.6	24.5	25.0	25.8	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
1125	S/T	1.00	0.90	0.76	0.62	1.00	0.91	0.77	0.62	1.00	0.93	0.79	0.65	1.00	1.00	0.81	0.67	1.00	1.00	0.84	0.69	1.00	1.00	0.89	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	
	Δ T	25	23	20	16	25	23	20	16	25	23	20	17	25	23	20	16	24	23	19	16	26	24	21	17	26	24	20	17	26	24	21	17	26	24	21	17	26	24	
	kW	1.65	1.64	1.64	1.65	1.83	1.83	1.83	1.84	2.04	2.03	2.03	2.05	2.26	2.26	2.25	2.27	2.51	2.51	2.50	2.52	2.80	2.80	2.80	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81
	Amps	6.1	6.1	6.1	6.1	6.9	6.9	6.9	6.9	7.9	7.9	7.9	7.9	8.9	8.9	8.9	8.9	10.0	10.0	10.0	10.1	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
	HI PR	245	246	248	252	283	284	286	290	323	324	325	329	365	366	368	372	411	412	414	418	461	462	463	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468
1125	LO PR	125	126	129	134	132	134	137	142	138	140	143	148	144	145	148	154	149	151	154	159	156	157	160	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166

85	MBh	29.5	30.0	30.8	32.1	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0
	S/T	1.00	0.91	0.77	0.6	0.48	0.38	0.29	0.22	0.16	0.11	0.07	0.04	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	Δ T	30	28	25	22	20	18	16	14	12	10	9	8	7	6	5	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	kW	1.63	1.63	1.63	1.63	1.64	1.64	1.64	1.65	1.65	1.65	1.66	1.66	1.67	1.67	1.68	1.68	1.69	1.69	1.70	1.70	1.71	1.71	1.72	1.72	1.73	1.73	1.74	1.74	1.75	1.75	1.76	1.76	1.77	1.77
	Amps	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1

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

DB: Entering Indoor Dry Bulb Temperature

IDB		Outdoor Ambient Temperature																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		Entering Indoor Wet Bulb Temperature																																			
Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71									
80	MBh	36.0	36.5	37.5	39.1	35.6	36.1	37.2	38.8	34.7	35.2	36.3	37.9	33.1	33.6	34.7	36.3	31.2	31.7	32.7	34.4	29.4	29.9	31.0	32.6	29.4	29.9	31.0	32.6								
	S/T	0.88	0.81	0.68	0.54	1.00	0.81	0.68	0.54	1.00	0.84	0.71	0.57	1.00	0.86	0.72	0.59	1.00	0.88	0.75	0.61	1.00	1.00	0.80	0.66	1.00	1.00	0.80	0.66								
	Δ T	27	25	22	18	27	25	22	18	27	25	22	18	27	25	22	18	27	25	21	18	28	26	23	19	28	26	23	19								
	kW	1.93	1.93	1.92	1.94	2.17	2.17	2.16	2.18	2.44	2.43	2.43	2.45	2.72	2.72	2.72	2.74	3.05	3.04	3.04	3.06	3.42	3.42	3.42	3.44	3.42	3.42	3.42	3.44								
	Amps	7.4	7.4	7.4	7.5	8.5	8.5	8.5	8.6	9.7	9.7	9.7	9.8	11.0	11.0	11.0	11.1	12.5	12.5	12.5	12.6	14.3	14.2	14.2	14.3	14.3	14.2	14.2	14.3								
	HI PR	246	247	249	253	284	285	287	291	324	326	327	331	368	369	371	375	415	416	417	422	464	465	467	471	464	465	467	471								
	LO PR	118	119	122	127	125	127	129	134	131	133	136	141	137	138	141	146	142	143	146	151	148	150	152	157	148	150	152	157								
	MBh	36.6	37.1	38.1	39.7	36.2	36.7	37.8	39.4	35.3	35.8	36.9	38.5	33.7	34.2	35.3	36.9	31.8	32.3	33.3	35.0	30.0	30.5	31.6	33.2	30.0	30.5	31.6	33.2								
	S/T	0.92	0.85	0.72	0.58	1.00	0.85	0.72	0.58	1.00	0.88	0.75	0.61	1.00	0.90	0.77	0.63	1.00	0.92	0.79	0.65	1.00	1.00	0.84	0.70	1.00	1.00	0.84	0.70								
	Δ T	26	24	21	17	26	24	21	17	26	24	21	17	26	24	21	17	26	24	20	17	27	25	21	18	27	25	21	18								
1200	kW	1.94	1.94	1.94	1.95	2.18	2.18	2.17	2.19	2.45	2.45	2.44	2.46	2.74	2.73	2.73	2.75	3.06	3.06	3.05	3.07	3.44	3.43	3.43	3.45	3.44	3.43	3.43	3.45								
	Amps	7.5	7.5	7.4	7.5	8.6	8.6	8.5	8.6	9.8	9.8	9.8	9.8	11.1	11.1	11.1	11.2	12.6	12.6	12.5	12.6	14.3	14.3	14.3	14.4	14.3	14.3	14.3	14.4								
	HI PR	248	249	251	255	286	287	289	293	327	328	329	334	370	371	373	377	417	418	420	424	467	468	469	474	467	468	469	474								
	LO PR	120	122	124	129	127	129	132	136	133	135	138	143	139	140	143	148	144	145	148	153	150	152	155	159	150	152	155	159								
	MBh	37.3	37.8	38.9	40.5	37.0	37.5	38.5	40.2	36.1	36.6	37.6	39.2	34.5	35.0	36.0	37.6	32.5	33.0	34.1	35.7	30.8	31.3	32.3	33.9	30.8	31.3	32.3	33.9								
	S/T	1.00	0.86	0.73	0.59	1.00	0.87	0.74	0.60	1.00	0.89	0.76	0.62	1.00	0.91	0.78	0.64	1.00	1.00	0.80	0.66	1.00	1.00	0.85	0.71	1.00	1.00	0.85	0.71								
	Δ T	25	23	20	16	25	23	20	16	25	23	20	16	25	23	20	16	25	23	19	16	26	24	21	17	26	24	21	17								
	kW	1.95	1.95	1.95	1.96	2.19	2.19	2.18	2.20	2.46	2.46	2.45	2.47	2.75	2.74	2.74	2.76	3.07	3.07	3.06	3.08	3.45	3.44	3.44	3.46	3.45	3.44	3.44	3.46								
	Amps	7.5	7.5	7.5	7.6	8.6	8.6	8.6	8.7	9.8	9.8	9.8	9.9	11.1	11.1	11.1	11.2	12.6	12.6	12.6	12.7	14.4	14.3	14.3	14.4	14.4	14.3	14.3	14.4								
	HI PR	250	251	253	257	289	290	291	296	329	330	332	336	372	373	375	379	419	420	422	426	469	470	472	476	469	470	472	476								
LO PR	122	124	127	132	130	131	134	139	136	137	140	145	141	142	145	150	146	148	150	155	153	154	157	162	153	154	157	162									
85	MBh	36.6	37.1	38.1	39.7	36.2	36.7	37.8	39.4	35.3	35.8	36.9	38.5	33.7	34.2	35.3	36.9	31.8	32.3	33.3	35.0	30.0	30.5	31.6	33.2	30.0	30.5	31.6	33.2								
	S/T	1.00	0.90	0.77	0.6	1.00	0.91	0.78	0.6	1.00	0.94	0.80	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.89	0.8	1.00	1.00	0.89	0.8								
	Δ T	31	29	25	22	30	29	25	22	31	29	25	22	30	29	25	22	30	28	25	21	31	30	26	23	31	30	26	23								
	kW	1.93	1.93	1.93	1.9	2.17	2.17	2.17	2.2	2.44	2.44	2.43	2.5	2.73	2.73	2.72	2.7	3.05	3.05	3.04	3.1	3.43	3.43	3.42	3.4	3.43	3.43	3.42	3.4								
	Amps	7.4	7.4	7.4	7.5	8.5	8.5	8.5	8.6	9.7	9.7	9.7	9.8	11.1	11.1	11.0	11.1	12.5	12.5	12.5	12.6	14.3	14.3	14.2	14.3	14.3	14.3	14.2	14.3								
	HI PR	247	248	250	254	285	286	288	292	326	327	328	333	369	370	372	376	416	417	418	423	466	467	468	473	466	467	468	473								
	LO PR	120	121	124	129	127	128	131	136	133	134	137	142	138	140	143	148	143	145	148	153	150	151	154	159	150	151	154	159								
	MBh	37.2	37.7	38.7	40.3	36.8	37.3	38.4	40.0	35.9	36.4	37.5	39.1	34.3	34.8	35.9	37.5	32.4	32.9	33.9	35.6	30.6	31.1	32.2	33.8	30.6	31.1	32.2	33.8								
	S/T	1.00	0.95	0.81	0.7	1.00	0.95	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.89	0.7	1.00	1.00	0.93	0.8	1.00	1.00	0.93	0.8								
	Δ T	29	28	24	21	29	28	24	21	30	28	24	21	29	28	24	21	29	27	24	20	30	28	25	22	30	28	25	22								
1200	kW	1.95	1.94	1.94	2.0	2.19	2.18	2.18	2.2	2.45	2.45	2.45	2.5	2.74	2.74	2.73	2.8	3.06	3.06	3.06	3.1	3.44	3.44	3.43	3.5	3.44	3.44	3.43	3.5								
	Amps	7.5	7.5	7.5	7.5	8.6	8.6	8.6	8.6	9.8	9.8	9.8	9.9	11.1	11.1	11.1	11.2	12.6	12.6	12.6	12.7	14.3	14.3	14.3	14.4	14.3	14.3	14.3	14.4								
	HI PR	249	250	252	256	288	289	290	295	328	329	331	335	371	372	374	378	418	419	421	425	468	469	471	475	468	469	471	475								
	LO PR	122	123	126	131	129	130	133	138	135	137	139	144	140	142	145	150	145	147	150	155	152	153	156	161	152	153	156	161								
	MBh	37.9	38.4	39.5	41.1	37.6	38.1	39.1	40.8	36.7	37.2	38.2	39.8	35.1	35.6	36.6	38.2	33.1	33.6	34.7	36.3	31.3	31.8	32.9	34.5	31.3	31.8	32.9	34.5								
	S/T	1.00	0.96	0.83	0.7	1.00	0.97	0.83	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.88	0.7	1.00	1.00	0.90	0.8	1.00	1.00	0.8	1.00	1.00	0.8	1.00	0.8								
	Δ T	29	27	23	20	28	27	23	20	29	27	24	20	28	27	23	20	28	26	23	19	29	28	24	21	29	28	24	21								
	kW	1.96	1.95	1.95	2.0	2.20	2.19	2.19	2.2	2.46	2.46	2.46	2.5	2.75	2.75	2.74	2.8	3.07	3.07	3.07	3.1	3.45	3.45	3.44	3.5	3.45	3.45	3.44	3.5								
	Amps	7.5	7.5	7.5	7.6	8.6	8.6	8.6	8.7	9.8	9.8	9.8	9.9	11.2	11.2	11.1	11.2	12.6	12.6	12.6	12.7	14.4	14.4	14.3	14.4	14.4	14.4	14.3	14.4								
	HI PR	251	252	254	258	290	291	293	297	330	331	333	337	373	375	376	380	420	421	423	427	470	471	473	477	470	471	473	477								
LO PR	124	126	129	134	131	133	136	141	137	139	142	147	143	144	147	152	148	149	152	157	154	156	159	164	154	156	159	164									

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

Shaded area reflects AHRI Rating Conditions.

kW = Total system power
Amps = Outdoor unit amps (compressor + fan)

		OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	MBh	40.9	41.4	42.6	-	40.5	41.1	42.3	-	39.4	40.0	41.2	-	37.6	38.2	39.4	-	35.4	35.9	37.2	-	33.3	33.9	35.1	-
	S/T	0.63	0.56	0.42	-	0.64	0.56	0.43	-	0.66	0.59	0.45	-	0.68	0.61	0.47	-	1.00	0.63	0.49	-	1.00	0.68	0.54	-
	Δ T	19	17	14	-	19	17	14	-	19	17	14	-	19	17	14	-	18	17	13	-	19	18	14	-
	kW	2.25	2.24	2.24	-	2.50	2.50	2.49	-	2.78	2.78	2.77	-	3.09	3.08	3.08	-	3.43	3.43	3.42	-	3.83	3.83	3.82	-
	Amps	8.2	8.2	8.2	-	9.4	9.4	9.3	-	10.7	10.7	10.6	-	12.1	12.1	12.0	-	13.6	13.6	13.6	-	15.5	15.4	15.4	-
	HI PR	240	241	243	-	278	279	281	-	318	319	321	-	361	362	363	-	407	408	409	-	456	457	458	-
	LO PR	120	121	124	-	127	129	132	-	134	135	138	-	139	140	143	-	144	146	149	-	151	152	155	-
	MBh	41.2	41.8	43.0	-	40.9	41.4	42.7	-	39.8	40.4	41.6	-	38.0	38.5	39.8	-	35.7	36.3	37.5	-	33.7	34.3	35.5	-
	S/T	0.67	0.59	0.46	-	0.68	0.60	0.46	-	0.70	0.63	0.49	-	0.72	0.64	0.51	-	1.00	0.67	0.53	-	1.00	0.72	0.58	-
	Δ T	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	19	17	14	-
1575	kW	2.26	2.25	2.25	-	2.51	2.51	2.50	-	2.79	2.79	2.78	-	3.10	3.09	3.09	-	3.44	3.43	3.43	-	3.84	3.83	3.83	-
	Amps	8.3	8.2	8.2	-	9.4	9.4	9.4	-	10.7	10.7	10.7	-	12.1	12.1	12.1	-	13.7	13.7	13.6	-	15.5	15.5	15.5	-
	HI PR	242	243	245	-	280	281	282	-	319	320	322	-	362	363	365	-	408	409	411	-	457	458	460	-
	LO PR	121	123	126	-	128	130	133	-	135	136	139	-	140	142	145	-	145	147	150	-	152	154	157	-
	MBh	42.2	42.7	44.0	-	41.8	42.4	43.6	-	40.7	41.3	42.5	-	38.9	39.5	40.7	-	36.7	37.3	38.5	-	34.6	35.2	36.4	-
	S/T	0.71	0.63	0.50	-	0.72	0.64	0.50	-	0.74	0.67	0.53	-	0.76	0.69	0.55	-	1.00	0.71	0.57	-	1.00	0.76	0.62	-
	Δ T	17	15	12	-	17	15	12	-	17	15	12	-	17	15	12	-	16	15	11	-	18	16	12	-
	kW	2.27	2.27	2.26	-	2.52	2.52	2.52	-	2.81	2.80	2.80	-	3.11	3.11	3.10	-	3.45	3.45	3.45	-	3.85	3.85	3.85	-
	Amps	8.3	8.3	8.3	-	9.5	9.5	9.5	-	10.8	10.8	10.7	-	12.2	12.2	12.1	-	13.7	13.7	13.7	-	15.6	15.6	15.5	-
	HI PR	245	246	247	-	282	283	285	-	322	323	325	-	365	366	368	-	411	412	414	-	460	461	463	-
	LO PR	124	125	128	-	131	133	136	-	138	139	142	-	143	144	148	-	148	150	153	-	155	156	159	-

		OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	40.9	41.5	42.7	44.5	40.5	41.1	42.3	44.2	39.4	40.0	41.2	43.1	37.6	38.2	39.4	41.3	35.4	36.0	37.2	39.0	33.3	33.9	35.1	37.0
	S/T	0.76	0.69	0.55	0.40	0.77	0.69	0.55	0.41	1.00	0.72	0.58	0.44	1.00	0.74	0.60	0.46	1.00	0.76	0.62	0.48	1.00	0.81	0.67	0.53
	Δ T	23	21	17	14	22	21	17	14	23	21	18	14	22	21	17	14	22	20	17	14	23	22	18	15
	kW	2.24	2.24	2.24	2.26	2.50	2.50	2.49	2.51	2.78	2.78	2.77	2.79	3.08	3.08	3.08	3.10	3.43	3.42	3.42	3.44	3.83	3.82	3.82	3.84
	Amps	8.2	8.2	8.2	8.3	9.4	9.4	9.3	9.4	10.7	10.6	10.6	10.7	12.1	12.0	12.0	12.1	13.6	13.6	13.6	13.7	15.4	15.4	15.4	15.5
	HI PR	241	242	243	248	278	280	281	285	318	319	321	325	361	362	364	368	407	408	410	414	456	457	459	463
	LO PR	120	121	124	130	127	129	132	137	134	135	138	143	139	140	144	149	144	146	149	154	151	152	155	160
	MBh	41.3	41.8	43.0	44.9	40.9	41.5	42.7	44.5	39.8	40.4	41.6	43.5	38.0	38.6	39.8	41.6	35.8	36.3	37.6	39.4	33.7	34.3	35.5	37.4
	S/T	0.80	0.72	0.59	0.44	0.81	0.73	0.59	0.45	1.00	0.75	0.62	0.47	1.00	0.77	0.64	0.49	1.00	0.80	0.66	0.52	1.00	0.85	0.71	0.57
	Δ T	22	20	17	13	22	20	17	13	22	20	17	14	22	20	17	13	22	20	16	13	23	21	18	14
1340	kW	2.25	2.25	2.25	2.27	2.51	2.50	2.50	2.52	2.79	2.79	2.78	2.80	3.09	3.09	3.09	3.11	3.43	3.43	3.43	3.45	3.84	3.83	3.83	3.85
	Amps	8.2	8.2	8.2	8.3	9.4	9.4	9.4	9.5	10.7	10.7	10.7	10.8	12.1	12.1	12.1	12.2	13.7	13.6	13.6	13.7	15.5	15.5	15.5	15.5
	HI PR	242	243	245	249	280	281	283	287	320	321	322	326	362	363	365	369	408	409	411	415	457	458	460	464
	LO PR	121	123	126	131	128	130	133	138	135	136	139	144	140	142	145	150	145	147	150	155	152	154	157	162
	MBh	42.2	42.8	44.0	45.8	41.8	42.4	43.6	45.5	40.8	41.3	42.6	44.4	38.9	39.5	40.7	42.6	36.7	37.3	38.5	40.3	34.7	35.2	36.5	38.3
	S/T	0.84	0.76	0.63	0.48	0.85	0.77	0.63	0.49	1.00	0.80	0.66	0.52	1.00	0.82	0.68	0.54	1.00	0.84	0.70	0.56	1.00	1.00	0.75	0.61
	Δ T	21	19	16	12	21	19	15	12	21	19	16	12	21	19	15	12	20	19	15	12	21	20	16	13
	kW	2.27	2.27	2.26	2.28	2.52	2.52	2.51	2.53	2.80	2.80	2.80	2.82	3.11	3.11	3.10	3.12	3.45	3.45	3.44	3.46	3.85	3.85	3.84	3.86
	Amps	8.3	8.3	8.3	8.4	9.5	9.5	9.4	9.5	10.8	10.8	10.7	10.8	12.2	12.2	12.1	12.2	13.7	13.7	13.7	13.8	15.6	15.5	15.5	15.6
	HI PR	245	246	248	252	283	284	285	290	322	323	325	329	365	366	368	372	411	412	414	418	460	461	463	467
	LO PR	124	125	129	134	131	133	136	141	138	139	142	147	143	144	148	153	148	150	153	158	155	156	159	165

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

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE												115°F														
				65°F				75°F				85°F				95°F				105°F				115°F						
				ENTERING INDOOR WET BULB TEMPERATURE																										
59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71			
80	1225	MBh	41.1	41.7	42.9	44.7	40.7	41.3	42.5	44.4	39.7	40.2	41.5	43.3	37.8	38.4	39.6	41.5	35.6	36.2	37.4	39.2	33.6	34.1	35.3	37.2	33.6	34.1	35.3	37.2
		S/T	0.89	0.81	0.67	0.53	1.00	0.82	0.68	0.54	1.00	0.84	0.71	0.56	1.00	0.86	0.73	0.58	1.00	1.00	0.75	0.60	1.00	1.00	0.80	0.66	1.00	1.00	0.80	0.66
		Δ T	26	25	21	18	26	25	21	18	27	25	22	18	26	25	21	18	26	24	21	18	27	25	22	19	27	25	22	19
		kW	2.25	2.24	2.24	2.26	2.50	2.50	2.49	2.51	2.78	2.78	2.77	2.79	3.09	3.08	3.08	3.10	3.43	3.43	3.42	3.44	3.83	3.83	3.82	3.84	3.83	3.83	3.82	3.84
		Amps	8.2	8.2	8.2	8.3	9.4	9.4	9.3	9.4	10.7	10.7	10.6	10.7	12.1	12.1	12.0	12.1	13.6	13.6	13.6	13.7	15.5	15.4	15.4	15.5	15.5	15.4	15.4	15.5
		HI PR	241	242	244	248	279	280	282	286	319	320	321	325	361	362	364	368	407	408	410	414	456	457	459	463	456	457	459	463
		LO PR	121	122	125	130	128	129	132	137	134	136	139	144	140	141	144	149	145	146	149	154	151	153	156	161	151	153	156	161
	1340	MBh	41.5	42.0	43.3	45.1	41.1	41.7	42.9	44.7	40.0	40.6	41.8	43.7	38.2	38.8	40.0	41.9	36.0	36.5	37.8	39.6	33.9	34.5	35.7	37.6	33.9	34.5	35.7	37.6
		S/T	0.93	0.85	0.71	0.57	1.00	0.86	0.72	0.58	1.00	0.88	0.74	0.60	1.00	0.90	0.76	0.62	1.00	1.00	0.79	0.64	1.00	1.00	0.84	0.69	1.00	1.00	0.84	0.69
		Δ T	26	24	21	17	26	24	21	17	26	24	21	17	26	24	21	17	25	24	20	17	26	25	21	18	26	25	21	18
		kW	2.25	2.25	2.25	2.27	2.51	2.51	2.50	2.52	2.79	2.79	2.78	2.80	3.10	3.09	3.09	3.11	3.44	3.43	3.43	3.45	3.84	3.83	3.83	3.85	3.84	3.83	3.83	3.85
		Amps	8.3	8.2	8.2	8.3	9.4	9.4	9.4	9.5	10.7	10.7	10.7	10.8	12.1	12.1	12.1	12.2	13.7	13.7	13.6	13.7	15.5	15.5	15.5	15.6	15.5	15.5	15.5	15.6
		HI PR	242	244	245	249	280	281	283	287	320	321	323	327	363	364	365	370	409	410	411	416	458	459	461	465	461	462	463	465
		LO PR	122	123	126	131	129	130	134	139	135	137	140	145	141	142	145	150	146	147	151	156	153	154	157	162	153	154	157	162
1575	MBh	42.4	43.0	44.2	46.0	42.0	42.6	43.8	45.7	41.0	41.5	42.8	44.6	39.1	39.7	40.9	42.8	36.9	37.5	38.7	40.6	34.9	35.4	36.7	38.5	34.9	35.4	36.7	38.5	
	S/T	1.00	0.89	0.75	0.61	1.00	0.90	0.76	0.62	1.00	0.92	0.79	0.64	1.00	0.94	0.81	0.66	1.00	1.00	0.83	0.68	1.00	1.00	0.88	0.74	1.00	1.00	0.88	0.74	
	Δ T	24	23	19	16	24	23	19	16	25	23	19	16	24	23	19	16	24	22	19	16	25	24	20	17	25	24	20	17	
	kW	2.27	2.27	2.26	2.28	2.52	2.52	2.52	2.54	2.80	2.80	2.80	2.82	3.11	3.11	3.10	3.12	3.45	3.45	3.44	3.46	3.85	3.85	3.85	3.86	3.85	3.85	3.85	3.86	
	Amps	8.3	8.3	8.3	8.4	9.5	9.5	9.5	9.5	10.8	10.8	10.7	10.8	12.2	12.2	12.1	12.2	13.7	13.7	13.7	13.8	15.6	15.6	15.5	15.6	15.6	15.6	15.5	15.6	
	HI PR	245	246	248	252	283	284	286	290	323	324	325	330	365	366	368	372	411	412	414	418	461	462	463	467	461	462	463	467	
	LO PR	125	126	129	134	132	133	136	141	138	140	143	148	144	145	148	153	149	150	153	158	155	157	160	165	155	157	160	165	
85	1225	MBh	41.8	42.3	43.6	45.4	41.4	42.0	43.2	45.1	40.3	40.9	42.1	44.0	38.5	39.1	40.3	42.2	36.3	36.9	38.1	39.9	34.2	34.8	36.0	37.9	34.2	34.8	36.0	37.9
		S/T	1.00	0.91	0.78	0.6	1.00	0.92	0.78	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.90	0.8	1.00	1.00	0.90	0.8
		Δ T	30	28	25	21	30	28	25	21	30	28	25	22	30	28	25	21	30	28	25	21	31	29	26	22	31	29	26	22
		kW	2.25	2.25	2.24	2.3	2.50	2.50	2.50	2.5	2.79	2.78	2.78	2.8	3.09	3.09	3.08	3.1	3.43	3.43	3.43	3.4	3.83	3.83	3.83	3.8	3.83	3.83	3.83	3.8
		Amps	8.2	8.2	8.2	8.3	9.4	9.4	9.4	9.5	10.7	10.7	10.7	10.7	12.1	12.1	12.1	12.1	13.6	13.6	13.6	13.7	15.5	15.5	15.4	15.5	15.5	15.5	15.4	15.5
		HI PR	242	243	245	249	280	281	283	287	320	321	322	327	362	363	365	369	408	409	411	415	458	459	460	464	458	459	460	464
		LO PR	122	124	127	132	130	131	134	139	136	137	140	146	141	143	146	151	147	148	151	156	153	155	158	163	153	155	158	163
	1340	MBh	42.2	42.7	43.9	45.8	41.8	42.4	43.6	45.4	40.7	41.3	42.5	44.4	38.9	39.5	40.7	42.5	36.7	37.2	38.5	40.3	34.6	35.2	36.4	38.3	34.6	35.2	36.4	38.3
		S/T	1.00	0.95	0.82	0.7	1.00	0.96	0.82	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.89	0.7	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		Δ T	29	27	24	21	29	27	24	21	29	28	24	21	29	27	24	21	29	27	24	20	30	28	25	22	30	28	25	22
		kW	2.26	2.26	2.25	2.3	2.51	2.51	2.51	2.5	2.79	2.79	2.79	2.8	3.10	3.10	3.09	3.1	3.44	3.44	3.43	3.5	3.84	3.84	3.83	3.9	3.84	3.84	3.83	3.9
		Amps	8.3	8.3	8.2	8.3	9.4	9.4	9.4	9.5	10.7	10.7	10.7	10.8	12.1	12.1	12.1	12.2	13.7	13.7	13.7	13.7	15.5	15.5	15.5	15.6	15.5	15.5	15.5	15.6
		HI PR	244	245	246	251	281	282	284	288	321	322	324	328	364	365	366	371	410	411	413	417	459	460	462	466	459	460	462	466
		LO PR	124	125	128	133	131	132	135	140	137	139	142	147	143	144	147	152	148	149	152	157	154	156	159	164	154	156	159	164
1575	MBh	43.1	43.7	44.9	46.7	42.7	43.3	44.5	46.4	41.7	42.2	43.4	45.3	39.8	40.4	41.6	43.5	37.6	38.2	39.4	41.2	35.6	36.1	37.3	39.2	35.6	36.1	37.3	39.2	
	S/T	1.00	0.99	0.86	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.89	0.7	1.00	1.00	0.91	0.8	1.00	1.00	0.93	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8	
	Δ T	28	26	23	19	28	26	23	19	28	26	23	20	28	26	23	19	28	26	23	19	29	27	24	20	29	27	24	20	
	kW	2.27	2.27	2.27	2.3	2.53	2.53	2.52	2.5	2.81	2.81	2.80	2.8	3.11	3.11	3.11	3.1	3.46	3.45	3.45	3.5	3.86	3.85	3.85	3.9	3.86	3.85	3.85	3.9	
	Amps	8.3	8.3	8.3	8.4	9.5	9.5	9.5	9.6	10.8	10.8	10.8	10.9	12.2	12.2	12.2	12.3	13.8	13.7	13.7	13.8	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	
	HI PR	246	247	249	253	284	285	287	291	324	325	327	331	367	368	369	373	413	414	415	419	462	463	464	469	462	463	464	469	
	LO PR	126	128	131	136	134	135	138	143	140	141	144	150	145	147	150	155	151	152	155	160	157	159	162	167	157	159	162	167	

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

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE																																			
				65°F						75°F						85°F						95°F						105°F						115°F					
				ENTERING INDOOR WET BULB TEMPERATURE																																			
70	1400	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71										
		MBh	46.9	47.5	48.9	-	46.4	47.1	48.5	-	45.2	45.9	47.3	-	43.2	43.8	45.2	-	40.6	41.3	42.7	-	38.3	39.0	40.3	-	35.3	36.0	37.3	-									
		S/T	0.65	0.57	0.44	-	0.66	0.58	0.45	-	0.68	0.61	0.47	-	0.70	0.62	0.49	-	1.00	0.65	0.51	-	1.00	0.70	0.56	-	1.00	0.70	0.56	-									
		Δ T	19	17	13	-	18	17	13	-	19	17	14	-	18	17	13	-	18	16	13	-	19	18	14	-	18	16	13	-									
		kW	2.52	2.52	2.51	-	2.81	2.81	2.81	-	3.14	3.14	3.13	-	3.50	3.49	3.49	-	3.89	3.89	3.88	-	4.35	4.35	4.35	-	4.82	4.81	4.79	-									
		Amps	9.4	9.3	9.3	-	10.7	10.7	10.7	-	12.2	12.2	12.2	-	13.8	13.8	13.8	-	15.6	15.6	15.6	-	17.7	17.7	17.7	-	19.8	19.7	19.6	-									
1600	HI PR <td>244</td> <td>245</td> <td>247</td> <td>-</td> <td>282</td> <td>283</td> <td>285</td> <td>-</td> <td>322</td> <td>323</td> <td>325</td> <td>-</td> <td>365</td> <td>366</td> <td>368</td> <td>-</td> <td>412</td> <td>413</td> <td>414</td> <td>-</td> <td>461</td> <td>462</td> <td>464</td> <td>-</td> <td>509</td> <td>510</td> <td>511</td> <td>-</td>	244	245	247	-	282	283	285	-	322	323	325	-	365	366	368	-	412	413	414	-	461	462	464	-	509	510	511	-										
	LO PR <td>120</td> <td>122</td> <td>125</td> <td>-</td> <td>128</td> <td>129</td> <td>132</td> <td>-</td> <td>134</td> <td>136</td> <td>139</td> <td>-</td> <td>139</td> <td>141</td> <td>144</td> <td>-</td> <td>145</td> <td>146</td> <td>149</td> <td>-</td> <td>151</td> <td>153</td> <td>156</td> <td>-</td> <td>163</td> <td>165</td> <td>167</td> <td>-</td>	120	122	125	-	128	129	132	-	134	136	139	-	139	141	144	-	145	146	149	-	151	153	156	-	163	165	167	-										
	MBh	47.4	48.1	49.5	-	47.0	47.7	49.1	-	45.8	46.5	47.9	-	43.7	44.4	45.8	-	41.2	41.9	43.2	-	38.9	39.5	40.9	-	35.3	36.0	37.3	-										
	S/T	0.68	0.60	0.47	-	0.69	0.61	0.48	-	0.71	0.64	0.50	-	0.73	0.65	0.52	-	1.00	0.68	0.54	-	1.00	0.73	0.59	-	1.00	0.73	0.59	-										
	Δ T	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	17	16	12	-	19	17	13	-	18	16	12	-										
	kW	2.53	2.53	2.52	-	2.82	2.82	2.82	-	3.15	3.15	3.14	-	3.51	3.50	3.50	-	3.90	3.90	3.89	-	4.37	4.36	4.36	-	4.82	4.81	4.79	-										
1800	Amps <td>9.4</td> <td>9.4</td> <td>9.4</td> <td>-</td> <td>10.7</td> <td>10.7</td> <td>10.7</td> <td>-</td> <td>12.2</td> <td>12.2</td> <td>12.2</td> <td>-</td> <td>13.9</td> <td>13.8</td> <td>13.8</td> <td>-</td> <td>15.7</td> <td>15.7</td> <td>15.6</td> <td>-</td> <td>17.8</td> <td>17.8</td> <td>17.8</td> <td>-</td> <td>19.8</td> <td>19.7</td> <td>19.6</td> <td>-</td>	9.4	9.4	9.4	-	10.7	10.7	10.7	-	12.2	12.2	12.2	-	13.9	13.8	13.8	-	15.7	15.7	15.6	-	17.8	17.8	17.8	-	19.8	19.7	19.6	-										
	HI PR <td>245</td> <td>247</td> <td>248</td> <td>-</td> <td>284</td> <td>285</td> <td>286</td> <td>-</td> <td>324</td> <td>325</td> <td>326</td> <td>-</td> <td>367</td> <td>368</td> <td>369</td> <td>-</td> <td>413</td> <td>414</td> <td>416</td> <td>-</td> <td>463</td> <td>464</td> <td>465</td> <td>-</td> <td>510</td> <td>511</td> <td>512</td> <td>-</td>	245	247	248	-	284	285	286	-	324	325	326	-	367	368	369	-	413	414	416	-	463	464	465	-	510	511	512	-										
	LO PR <td>122</td> <td>124</td> <td>127</td> <td>-</td> <td>129</td> <td>131</td> <td>134</td> <td>-</td> <td>136</td> <td>137</td> <td>140</td> <td>-</td> <td>141</td> <td>142</td> <td>145</td> <td>-</td> <td>146</td> <td>148</td> <td>151</td> <td>-</td> <td>153</td> <td>154</td> <td>157</td> <td>-</td> <td>164</td> <td>166</td> <td>168</td> <td>-</td>	122	124	127	-	129	131	134	-	136	137	140	-	141	142	145	-	146	148	151	-	153	154	157	-	164	166	168	-										
	MBh	48.4	49.0	50.4	-	48.0	48.6	50.0	-	46.8	47.4	48.8	-	44.7	45.3	46.7	-	42.1	42.8	44.2	-	39.8	40.5	41.8	-	35.3	36.0	37.3	-										
	S/T	0.70	0.62	0.49	-	0.70	0.63	0.49	-	0.73	0.65	0.52	-	1.00	0.67	0.54	-	1.00	0.69	0.56	-	1.00	0.74	0.61	-	1.00	0.74	0.61	-										
	Δ T	17	15	12	-	17	15	12	-	17	15	12	-	17	15	12	-	17	15	11	-	18	16	12	-	18	16	12	-										
1600	kW <td>2.54</td> <td>2.54</td> <td>2.54</td> <td>-</td> <td>2.84</td> <td>2.84</td> <td>2.83</td> <td>-</td> <td>3.16</td> <td>3.16</td> <td>3.16</td> <td>-</td> <td>3.52</td> <td>3.52</td> <td>3.51</td> <td>-</td> <td>3.91</td> <td>3.91</td> <td>3.91</td> <td>-</td> <td>4.38</td> <td>4.38</td> <td>4.37</td> <td>-</td> <td>4.82</td> <td>4.81</td> <td>4.79</td> <td>-</td>	2.54	2.54	2.54	-	2.84	2.84	2.83	-	3.16	3.16	3.16	-	3.52	3.52	3.51	-	3.91	3.91	3.91	-	4.38	4.38	4.37	-	4.82	4.81	4.79	-										
	Amps <td>9.5</td> <td>9.4</td> <td>9.4</td> <td>-</td> <td>10.8</td> <td>10.8</td> <td>10.8</td> <td>-</td> <td>12.3</td> <td>12.3</td> <td>12.3</td> <td>-</td> <td>13.9</td> <td>13.9</td> <td>13.9</td> <td>-</td> <td>15.7</td> <td>15.7</td> <td>15.7</td> <td>-</td> <td>17.8</td> <td>17.8</td> <td>17.8</td> <td>-</td> <td>19.8</td> <td>19.7</td> <td>19.6</td> <td>-</td>	9.5	9.4	9.4	-	10.8	10.8	10.8	-	12.3	12.3	12.3	-	13.9	13.9	13.9	-	15.7	15.7	15.7	-	17.8	17.8	17.8	-	19.8	19.7	19.6	-										
	HI PR <td>248</td> <td>249</td> <td>250</td> <td>-</td> <td>286</td> <td>287</td> <td>289</td> <td>-</td> <td>326</td> <td>327</td> <td>329</td> <td>-</td> <td>369</td> <td>370</td> <td>372</td> <td>-</td> <td>415</td> <td>416</td> <td>418</td> <td>-</td> <td>465</td> <td>466</td> <td>468</td> <td>-</td> <td>511</td> <td>512</td> <td>513</td> <td>-</td>	248	249	250	-	286	287	289	-	326	327	329	-	369	370	372	-	415	416	418	-	465	466	468	-	511	512	513	-										
	LO PR <td>124</td> <td>126</td> <td>129</td> <td>-</td> <td>132</td> <td>133</td> <td>136</td> <td>-</td> <td>138</td> <td>139</td> <td>142</td> <td>-</td> <td>143</td> <td>145</td> <td>148</td> <td>-</td> <td>149</td> <td>150</td> <td>153</td> <td>-</td> <td>155</td> <td>157</td> <td>160</td> <td>-</td> <td>165</td> <td>167</td> <td>169</td> <td>-</td>	124	126	129	-	132	133	136	-	138	139	142	-	143	145	148	-	149	150	153	-	155	157	160	-	165	167	169	-										
	MBh	48.4	49.0	50.4	-	48.0	48.6	50.0	-	46.8	47.4	48.8	-	44.7	45.3	46.7	-	42.1	42.8	44.2	-	39.8	40.5	41.8	-	35.3	36.0	37.3	-										
	S/T	0.70	0.62	0.49	-	0.70	0.63	0.49	-	0.73	0.65	0.52	-	1.00	0.67	0.54	-	1.00	0.69	0.56	-	1.00	0.74	0.61	-	1.00	0.74	0.61	-										
Δ T	17	15	12	-	17	15	12	-	17	15	12	-	17	15	12	-	17	15	11	-	18	16	12	-	18	16	12	-											
1800	kW <td>2.54</td> <td>2.54</td> <td>2.54</td> <td>-</td> <td>2.84</td> <td>2.84</td> <td>2.83</td> <td>-</td> <td>3.16</td> <td>3.16</td> <td>3.16</td> <td>-</td> <td>3.52</td> <td>3.52</td> <td>3.51</td> <td>-</td> <td>3.91</td> <td>3.91</td> <td>3.91</td> <td>-</td> <td>4.38</td> <td>4.38</td> <td>4.37</td> <td>-</td> <td>4.82</td> <td>4.81</td> <td>4.79</td> <td>-</td>	2.54	2.54	2.54	-	2.84	2.84	2.83	-	3.16	3.16	3.16	-	3.52	3.52	3.51	-	3.91	3.91	3.91	-	4.38	4.38	4.37	-	4.82	4.81	4.79	-										
	Amps <td>9.5</td> <td>9.4</td> <td>9.4</td> <td>-</td> <td>10.8</td> <td>10.8</td> <td>10.8</td> <td>-</td> <td>12.3</td> <td>12.3</td> <td>12.3</td> <td>-</td> <td>13.9</td> <td>13.9</td> <td>13.9</td> <td>-</td> <td>15.7</td> <td>15.7</td> <td>15.7</td> <td>-</td> <td>17.8</td> <td>17.8</td> <td>17.8</td> <td>-</td> <td>19.8</td> <td>19.7</td> <td>19.6</td> <td>-</td>	9.5	9.4	9.4	-	10.8	10.8	10.8	-	12.3	12.3	12.3	-	13.9	13.9	13.9	-	15.7	15.7	15.7	-	17.8	17.8	17.8	-	19.8	19.7	19.6	-										
	HI PR <td>248</td> <td>249</td> <td>250</td> <td>-</td> <td>286</td> <td>287</td> <td>289</td> <td>-</td> <td>326</td> <td>327</td> <td>329</td> <td>-</td> <td>369</td> <td>370</td> <td>372</td> <td>-</td> <td>415</td> <td>416</td> <td>418</td> <td>-</td> <td>465</td> <td>466</td> <td>468</td> <td>-</td> <td>511</td> <td>512</td> <td>513</td> <td>-</td>	248	249	250	-	286	287	289	-	326	327	329	-	369	370	372	-	415	416	418	-	465	466	468	-	511	512	513	-										
	LO PR <td>124</td> <td>126</td> <td>129</td> <td>-</td> <td>132</td> <td>133</td> <td>136</td> <td>-</td> <td>138</td> <td>139</td> <td>142</td> <td>-</td> <td>143</td> <td>145</td> <td>148</td> <td>-</td> <td>149</td> <td>150</td> <td>153</td> <td>-</td> <td>155</td> <td>157</td> <td>160</td> <td>-</td> <td>165</td> <td>167</td> <td>169</td> <td>-</td>	124	126	129	-	132	133	136	-	138	139	142	-	143	145	148	-	149	150	153	-	155	157	160	-	165	167	169	-										
	MBh	48.4	49.0	50.4	-	48.0	48.6	50.0	-	46.8	47.4	48.8	-	44.7	45.3	46.7	-	42.1	42.8	44.2	-	39.8	40.5	41.8	-	35.3	36.0	37.3	-										
	S/T	0.70	0.62	0.49	-	0.70	0.63	0.49	-	0.73	0.65	0.52	-	1.00	0.67	0.54	-	1.00	0.69	0.56	-	1.00	0.74	0.61	-	1.00	0.74	0.61	-										
Δ T	17	15	12	-	17	15	12	-	17	15	12	-	17	15	12	-	17	15	11	-	18	16	12	-	18	16	12	-											
1800	kW <td>2.54</td> <td>2.54</td> <td>2.54</td> <td>-</td> <td>2.84</td> <td>2.84</td> <td>2.83</td> <td>-</td> <td>3.16</td> <td>3.16</td> <td>3.16</td> <td>-</td> <td>3.52</td> <td>3.52</td> <td>3.51</td> <td>-</td> <td>3.91</td> <td>3.91</td> <td>3.91</td> <td>-</td> <td>4.38</td> <td>4.38</td> <td>4.37</td> <td>-</td> <td>4.82</td> <td>4.81</td> <td>4.79</td> <td>-</td>	2.54	2.54	2.54	-	2.84	2.84	2.83	-	3.16	3.16	3.16	-	3.52	3.52	3.51	-	3.91	3.91	3.91	-	4.38	4.38	4.37	-	4.82	4.81	4.79	-										
	Amps <td>9.5</td> <td>9.4</td> <td>9.4</td> <td>-</td> <td>10.8</td> <td>10.8</td> <td>10.8</td> <td>-</td> <td>12.3</td> <td>12.3</td> <td>12.3</td> <td>-</td> <td>13.9</td> <td>13.9</td> <td>13.9</td> <td>-</td> <td>15.7</td> <td>15.7</td> <td>15.7</td> <td>-</td> <td>17.8</td> <td>17.8</td> <td>17.8</td> <td>-</td> <td>19.8</td> <td>19.7</td> <td>19.6</td> <td>-</td>	9.5	9.4	9.4	-	10.8	10.8	10.8	-	12.3	12.3	12.3	-	13.9	13.9	13.9	-	15.7	15.7	15.7	-	17.8	17.8	17.8	-	19.8	19.7	19.6	-										
	HI PR <td>248</td> <td>249</td> <td>250</td> <td>-</td> <td>286</td> <td>287</td> <td>289</td> <td>-</td> <td>326</td> <td>327</td> <td>329</td> <td>-</td> <td>369</td> <td>370</td> <td>372</td> <td>-</td> <td>415</td> <td>416</td> <td>418</td> <td>-</td> <td>465</td> <td>466</td> <td>468</td> <td>-</td> <td>511</td> <td>512</td> <td>513</td> <td>-</td>	248	249	250	-	286	287	289	-	326	327	329	-	369	370	372	-	415	416	418	-	465	466	468	-	511	512	513	-										
	LO PR <td>124</td> <td>126</td> <td>129</td> <td>-</td> <td>132</td> <td>133</td> <td>136</td> <td>-</td> <td>138</td> <td>139</td> <td>142</td> <td>-</td> <td>143</td> <td>145</td> <td>148</td> <td>-</td> <td>149</td> <td>150</td> <td>153</td> <td>-</td> <td>155</td> <td>157</td> <td>160</td> <td>-</td> <td>165</td> <td>167</td> <td>169</td> <td>-</td>	124	126	129	-	132	133	136	-	138	139	142	-	143	145	148	-	149	150	153	-	155	157	160	-	165	167	169	-										
	MBh	48.4	49.0	50.4	-	48.0	48.6	50.0	-	46.8	47.4	48.8	-	44.7	45.3	46.7	-	42.1	42.8	44.2	-	39.8	40.5	41.8	-	35.3	36.0	37.3	-										
	S/T	0.70	0.62	0.49	-	0.70	0.63	0.49	-	0.73	0.65	0.52	-	1.00	0.67	0.54	-	1.00	0.69	0.56	-	1.00	0.74	0.61	-	1.00	0.74	0.61	-										
Δ T	17	15	12	-	17	15	12	-	17	15	12	-	17	15	12	-	17	15	11	-	18	16	12	-	18	16	12	-											
1800	kW <td>2.54</td> <td>2.54</td> <td>2.54</td> <td>-</td> <td>2.84</td> <td>2.84</td> <td>2.83</td> <td>-</td> <td>3.16</td> <td>3.16</td> <td>3.16</td> <td>-</td> <td>3.52</td> <td>3.52</td> <td>3.51</td> <td>-</td> <td>3.91</td> <td>3.91</td> <td>3.91</td> <td>-</td> <td>4.38</td> <td>4.38</td> <td>4.37</td> <td>-</td> <td>4.82</td> <td>4.81</td> <td>4.79</td> <td>-</td>	2.54	2.54	2.54	-	2.84	2.84	2.83	-	3.16	3.16	3.16	-	3.52	3.52	3.51	-	3.91	3.91	3.91	-	4.38	4.38	4.37	-	4.82	4.81	4.79	-										
	Amps <td>9.5</td> <td>9.4</td> <td>9.4</td> <td>-</td> <td>10.8</td> <td>10.8</td> <td>10.8</td> <td>-</td> <td>12.3</td> <td>12.3</td> <td>12.3</td> <td>-</td> <td>13.9</td> <td>13.9</td> <td>13.9</td> <td>-</td> <td>15.7</td> <td>15.7</td> <td>15.7</td> <td>-</td> <td>17.8</td> <td>17.8</td> <td>17.8</td> <td>-</td> <td>19.8</td> <td>19.7</td> <td>19.6</td> <td>-</td>	9.5	9.4	9.4	-	10.8	10.8	10.8	-	12.3	12.3	12.3	-	13.9	13.9	13.9	-	15.7	15.7	15.7	-	17.8	17.8	17.8	-	19.8	19.7	19.6	-										
	HI PR <td>248</td> <td>249</td> <td>250</td> <td>-</td> <td>286</td> <td>287</td> <td>289</td> <td>-</td> <td>326</td> <td>327</td> <td>329</td> <td>-</td> <td>369</td> <td>370</td> <td>372</td> <td>-</td> <td>415</td> <td>416</td> <td>418</td> <td>-</td> <td>465</td> <td>466</td> <td>468</td> <td>-</td> <td>511</td> <td>512</td> <td>513</td> <td>-</td>	248	249	250	-	286	287	289	-	326	327	329	-	369	370	372	-	415	416	418	-	465	466	468	-	511	512	513	-										
	LO PR <td>124</td> <td>126</td> <td>129</td> <td>-</td> <td>132</td> <td>133</td> <td>136</td> <td>-</td> <td>138</td> <td>139</td> <td>142</td> <td>-</td> <td>143</td> <td>145</td> <td>148</td> <td>-</td> <td>149</td> <td>150</td> <td>153</td> <td>-</td> <td>155</td> <td>157</td> <td>160</td> <td>-</td> <td>165</td> <td>167</td> <td>169</td> <td>-</td>	124	126	129	-	132	133	136	-	138	139	142	-	143	145	148	-	149	150	153	-	155	157	160	-	165	167	169	-										
	MBh	48.4	49.0	50.4	-	48.0	48.6	50.0	-	46.8	47.4	48.8	-	44.7	45.3	46.7	-	42.1	42.8	44.2	-	39.8	40.5	41.8	-	35.3	36.0	37.3	-										
	S/T	0.70	0.62	0.49	-	0.70	0.63	0.49	-	0.73	0.65	0.52	-	1.00	0.67	0.54	-	1.00	0.69	0.56	-	1.00	0.74	0.61	-	1.00	0.74	0.61	-										
Δ T	17	15	12	-	17	15	12	-	17	15	12	-	17	15	12	-	17	15	11	-	18	16	12	-	18	16	12	-											
1800	kW <td>2.54</td> <td>2.54</td> <td>2.54</td> <td>-</td> <td>2.84</td> <td>2.84</td> <td>2.83</td> <td>-</td> <td>3.16</td> <td>3.16</td> <td>3.16</td> <td>-</td> <td>3.52</td> <td>3.52</td> <td>3.51</td> <td>-</td> <td>3.91</td> <td>3.91</td> <td>3.91</td> <td>-</td> <td>4.38</td> <td>4.38</td> <td>4.37</td> <td>-</td> <td>4.82</td> <td>4.81</td> <td>4.79</td> <td>-</td>	2.54	2.54	2.54	-	2.84	2.84	2.83	-	3.16	3.16	3.16	-	3.52	3.52	3.51	-	3.91	3.91	3.91	-	4.38	4.38	4.37	-	4.82	4.81	4.79	-										
	Amps <td>9.5</td> <td>9.4</td> <td>9.4</td> <td>-</td> <td>10.8</td> <td>10.8</td> <td>10.8</td> <td>-</td> <td>12.3</td> <td>12.3</td> <td>12.3</td> <td>-</td> <td>13.9</td> <td>13.9</td> <td>13.9</td> <td>-</td> <td>15.7</td> <td>15.7</td> <td>15.7</td> <td>-</td> <td>17.8</td> <td>17.8</td> <td>17.8</td> <td>-</td> <td>19.8</td> <td>19.7</td> <td>19.6</td> <td>-</td>	9.5	9.4	9.4	-	10.8	10.8	10.8	-	12.3	12.3	12.3	-	13.9	13.9	13.9	-	15.7	15.7	15.7	-	17.8	17.8	17.8	-	19.8	19.7	19.6	-										
	HI PR <td>248</td> <td>249</td> <td>250</td> <td>-</td> <td>286</td> <td>287</td> <td>289</td> <td>-</td> <td>326</td> <td>327</td> <td>329</td> <td>-</td> <td>369</td> <td>370</td> <td>372</td> <td>-</td> <td>415</td> <td>416</td> <td>418</td> <td>-</td> <td>465</td> <td>466</td> <td>468</td> <td>-</td> <td>511</td> <td>512</td> <td>513</td> <td>-</td>	248	249	250	-	286	287	289	-	326	327	329	-	369	370	372	-	415	416	418	-	465	466	468	-	511	512	513	-										
	LO PR <td>124</td> <td>126</td> <td>129</td> <td>-</td> <td>132</td> <td>133</td> <td>136</td> <td>-</td> <td>138</td> <td>139</td> <td>142</td> <td>-</td> <td>143</td> <td>145</td> <td>148</td> <td>-</td> <td>149</td> <td>150</td> <td>153</td> <td>-</td> <td>155</td> <td>157</td> <td>160</td> <td>-</td> <td>165</td> <td>167</td> <td>169</td> <td>-</td>	124	126	129	-	132	133	136	-	138	139	142	-	143	145	148	-	149	150	153	-	155	157	160	-	165	167	169	-										
	MBh	48.4	49.0	50.4	-	48.0	48.6	50.0	-	46.8	47.4	48.8	-	44.7	45.3	46.7	-	42.1	42.8	44.2	-	39.8	40.5	41.8	-	35.3	36.0	37.3	-										
	S/T	0.70	0.62	0.49	-	0.70	0.63	0.49	-	0.73	0.65	0.52	-	1.00	0.67	0.54	-	1.00	0.69	0.56	-	1.00	0.74	0.61	-	1.00	0.74	0.61	-										
Δ T	17	15	12	-	17	15	12	-	17	15	12	-	17	15	12	-	17	15	11	-	18	16	12	-	18	16	12	-											
1800	kW <td>2.54</td> <td>2.54</td> <td>2.54</td> <td>-</td> <td>2.84</td> <td>2.84</td> <td>2.83</td> <td>-</td> <td>3.16</td> <td>3.16</td> <td>3.16</td> <td>-</td> <td>3.52</td> <td>3.52</td> <td>3.51</td> <td>-</td> <td>3.91</td> <td>3.91</td> <td>3.91</td> <td>-</td> <td>4.38</td> <td>4.38</td> <td>4.37</td> <td>-</td> <td>4.82</td> <td>4.81</td> <td>4.79</td> <td>-</td>	2.54	2.54	2.54	-	2.84	2.84	2.83	-	3.16	3.16	3.16	-	3.52	3.52	3.51	-	3.91	3.91	3.91	-	4.38	4.38	4.37	-	4.82	4.81	4.79	-										
	Amps <td>9.5</td> <td>9.4</td> <td>9.4</td> <td>-</td> <td>10.8</td> <td>10.8</td> <td>10.8</td> <td>-</td> <td>12.3</td> <td>12.3</td> <td>12.3</td> <td>-</td> <td>13.9</td> <td>13.9</td> <td>13.9</td> <td>-</td> <td>15.</td>	9.5	9.4	9.4	-	10.8	10.8	10.8	-	12.3	12.3	12.3	-	13.9	13.9	13.9	-	15.																					

1400	MBh	46.9	47.5	48.9	51.0	46.5	47.1	48.5	50.6	45.3	45.9	47.3	49.4	43.2	43.8	45.2	47.3	40.6	41.3	42.7	44.8	38.3	39.0	40.4	42.5
	S/T	0.78	0.70	0.57	0.43	0.78	0.71	0.57	0.43	1.00	0.73	0.60	0.46	1.00	0.75	0.62	0.48	1.00	0.77	0.64	0.50	1.00	0.82	0.69	0.55
	Δ T	23	21	17	14	22	21	17	14	23	21	18	14	22	21	17	14	22	20	17	14	23	22	18	15
	kW	2.52	2.52	2.51	2.53	2.81	2.81	2.80	2.83	3.14	3.14	3.13	3.15	3.49	3.49	3.49	3.51	3.89	3.89	3.88	3.90	4.35	4.35	4.35	4.37
	Amps	9.3	9.3	9.3	9.4	10.7	10.7	10.6	10.8	12.2	12.2	12.1	12.2	13.8	13.8	13.8	13.9	15.6	15.6	15.6	15.7	17.7	17.7	17.7	17.8
	HI PR	244	245	247	251	282	283	285	289	322	323	325	329	365	366	368	372	412	413	414	419	461	462	464	468
1600	LO PR	121	122	125	130	128	129	132	137	134	136	139	144	139	141	144	149	145	146	149	154	151	153	156	161
	MBh	47.5	48.1	49.5	51.6	47.1	47.7	49.1	51.2	45.9	46.5	47.9	50.0	43.8	44.4	45.8	47.9	41.2	41.9	43.3	45.4	38.9	39.6	40.9	43.1
	S/T	0.81	0.73	0.60	0.46	0.81	0.74	0.60	0.46	1.00	0.76	0.63	0.49	1.00	0.78	0.65	0.51	1.00	0.80	0.67	0.53	1.00	0.85	0.72	0.58
	Δ T	22	20	17	13	22	20	16	13	22	20	17	13	22	20	16	13	21	20	16	13	23	21	17	14
	kW	2.53	2.53	2.52	2.54	2.82	2.82	2.82	2.84	3.15	3.15	3.14	3.17	3.50	3.50	3.50	3.52	3.90	3.90	3.89	3.91	4.36	4.36	4.36	4.38
	Amps	9.4	9.4	9.4	9.5	10.7	10.7	10.7	10.8	12.2	12.2	12.2	12.3	13.8	13.8	13.8	13.9	15.7	15.6	15.6	15.7	17.8	17.8	17.7	17.9
1800	HI PR	246	247	248	253	284	285	287	291	324	325	327	331	367	368	370	374	413	414	416	420	463	464	466	470
	LO PR	122	124	127	132	129	131	134	139	136	137	140	145	141	142	145	151	146	148	151	156	153	154	157	162
	MBh	48.4	49.1	50.4	52.6	48.0	48.6	50.0	52.1	46.8	47.4	48.8	50.9	44.7	45.4	46.7	48.9	42.2	42.8	44.2	46.3	39.8	40.5	41.9	44.0
	S/T	0.82	0.75	0.61	0.47	0.83	0.75	0.62	0.48	1.00	0.78	0.65	0.51	1.00	0.80	0.66	0.52	1.00	0.82	0.69	0.55	1.00	1.00	0.74	0.60
	Δ T	21	19	16	12	21	19	16	12	21	19	16	12	21	19	16	12	21	19	15	12	22	20	16	13
	kW	2.54	2.54	2.54	2.56	2.84	2.83	2.83	2.85	3.16	3.16	3.16	3.18	3.52	3.51	3.51	3.53	3.91	3.91	3.90	3.93	4.38	4.37	4.37	4.39
75	Amps	9.4	9.4	9.4	9.5	10.8	10.8	10.8	10.9	12.3	12.3	12.3	12.4	13.9	13.9	13.9	14.0	15.7	15.7	15.7	15.8	17.8	17.8	17.8	17.9
	HI PR	248	249	251	255	286	287	289	293	326	327	329	333	369	370	372	376	416	417	418	423	465	466	468	472
	LO PR	124	126	129	134	132	133	136	141	138	139	142	148	143	145	148	153	149	150	153	158	155	157	160	165
	MBh	49.1	50.0	51.2	53.4	49.1	49.7	51.1	53.2	47.0	47.6	49.0	51.1	45.0	45.6	47.0	49.1	42.4	43.0	44.4	46.5	40.0	40.7	42.1	44.2
	S/T	0.83	0.76	0.62	0.48	0.84	0.76	0.62	0.48	1.00	0.79	0.66	0.52	1.00	0.81	0.67	0.53	1.00	0.83	0.70	0.56	1.00	1.00	0.76	0.62
	Δ T	20	18	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	15	11	22	20	16	12

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

		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
IDB	AIRFLOW	59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167	171	175	179	183	187	191	195	
		ENTERING INDOOR WET BULB TEMPERATURE																																			
80	MBh	47.1	47.8	49.2	51.3	46.7	47.4	48.8	50.9	45.5	46.2	47.5	49.7	43.4	44.1	45.5	47.6	40.9	41.5	42.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	
	S/T	0.90	0.82	0.69	0.55	1.00	0.83	0.70	0.56	1.00	0.85	0.72	0.58	1.00	0.87	0.74	0.60	1.00	1.00	1.00	0.76	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	
	Δ T	27	25	21	18	26	25	21	18	27	25	22	18	26	25	21	18	26	24	21	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
	kW	2.52	2.52	2.51	2.54	2.81	2.81	2.81	2.83	3.14	3.14	3.13	3.16	3.49	3.49	3.49	3.51	3.89	3.89	3.88	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91		
	Amps	9.3	9.3	9.3	9.4	10.7	10.7	10.7	10.8	12.2	12.2	12.2	12.3	13.8	13.8	13.8	13.9	15.6	15.6	15.6	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	
	HI PR	245	246	247	251	283	284	285	290	323	324	325	330	366	367	368	373	412	413	415	419	419	419	419	419	419	419	419	419	419	419	419	419	419	419	419	419
	LO PR	121	123	126	131	128	130	133	138	135	136	139	144	140	141	144	150	145	147	150	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	
	MBh	47.7	48.4	49.8	51.9	47.3	48.0	49.3	51.4	46.1	46.7	48.1	50.2	44.0	44.7	46.0	48.2	41.5	42.1	43.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	
	S/T	1.00	0.85	0.72	0.58	1.00	0.86	0.73	0.59	1.00	0.88	0.75	0.61	1.00	0.90	0.77	0.63	1.00	1.00	1.00	0.79	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	
	Δ T	26	24	21	17	26	24	21	17	26	24	21	17	26	24	21	17	26	24	20	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
1600	kW	2.53	2.53	2.52	2.55	2.82	2.82	2.82	2.84	3.15	3.15	3.14	3.17	3.51	3.50	3.50	3.52	3.90	3.90	3.89	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	
	Amps	9.4	9.4	9.4	9.5	10.7	10.7	10.7	10.8	12.2	12.2	12.2	12.3	13.9	13.8	13.8	13.9	15.7	15.7	15.6	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	
	HI PR	246	247	249	253	284	285	287	291	324	325	327	331	367	368	370	374	414	415	417	421	421	421	421	421	421	421	421	421	421	421	421	421	421	421	421	
	LO PR	123	124	127	132	130	131	134	139	136	138	141	146	142	143	146	151	147	148	151	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	
	MBh	48.6	49.3	50.7	52.8	48.2	48.9	50.3	52.4	47.0	47.7	49.1	51.2	44.9	45.6	47.0	49.1	42.4	43.1	44.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
	S/T	1.00	0.87	0.74	0.60	1.00	0.88	0.74	0.60	1.00	0.90	0.77	0.63	1.00	1.00	0.79	0.65	1.00	1.00	0.81	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	
	Δ T	25	23	20	16	25	23	20	16	25	23	20	16	25	23	20	16	25	23	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
	kW	2.54	2.54	2.54	2.56	2.84	2.83	2.83	2.85	3.16	3.16	3.16	3.18	3.52	3.52	3.51	3.53	3.91	3.91	3.91	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93
	Amps	9.5	9.4	9.4	9.5	10.8	10.8	10.8	10.9	12.3	12.3	12.3	12.4	13.9	13.9	13.9	14.0	15.7	15.7	15.7	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	
	HI PR	248	249	251	255	287	288	289	294	327	328	329	334	370	371	372	377	416	417	419	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423
LO PR	125	126	129	135	132	134	137	142	139	140	143	148	144	145	148	153	149	151	154	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	
85	MBh	47.9	48.6	49.9	52.1	47.5	48.1	49.5	51.6	46.3	46.9	48.3	50.4	44.2	44.9	46.2	48.4	41.7	42.3	43.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	
	S/T	1.00	0.92	0.79	0.7	1.00	0.93	0.80	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7		
	Δ T	30	28	25	21	30	28	25	21	30	28	25	22	30	28	25	21	30	28	25	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
	kW	2.53	2.52	2.52	2.5	2.82	2.82	2.81	2.8	3.15	3.14	3.14	3.2	3.50	3.50	3.49	3.5	3.90	3.89	3.89	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	
	Amps	9.4	9.4	9.3	9.4	10.7	10.7	10.7	10.8	12.2	12.2	12.2	12.3	13.8	13.8	13.8	13.9	15.6	15.6	15.6	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	
	HI PR	246	247	248	253	284	285	287	291	324	325	327	331	367	368	370	374	413	414	416	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	
	LO PR	123	124	127	132	130	132	135	140	136	138	141	146	142	143	146	151	147	148	151	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	
	MBh	48.5	49.1	50.5	52.6	48.1	48.7	50.1	52.2	46.9	47.5	48.9	51.0	44.8	45.4	46.8	48.9	42.2	42.9	44.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	
	S/T	1.00	0.95	0.82	0.7	1.00	0.96	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.89	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
	Δ T	29	27	24	21	29	27	24	21	30	28	24	21	29	27	24	21	29	27	24	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
1600	kW	2.54	2.53	2.53	2.6	2.83	2.83	2.82	2.8	3.16	3.15	3.15	3.2	3.51	3.51	3.50	3.5	3.91	3.90	3.90	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	
	Amps	9.4	9.4	9.4	9.5	10.8	10.8	10.7	10.8	12.3	12.3	12.3	12.3	13.9	13.9	13.8	14.0	15.7	15.7	15.7	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	
	HI PR	247	248	250	254	285	287	288	292	325	326	328	332	369	370	371	375	415	416	418	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	
	LO PR	124	126	129	134	132	133	136	141	138	139	142	147	143	145	148	153	149	150	153	158	1															

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE																				ENTERING INDOOR WET BULB TEMPERATURE																				115°F																			
				65°F					75°F					85°F					95°F					105°F					115°F																																		
				59	63	67	71		59	63	67	71		59	63	67	71		59	63	67	71		59	63	67	71		59	63	67	71		59	63	67	71																										
70	1600	MBh	57.6	58.4	60.1	-	57.0	57.9	59.6	-	55.5	56.4	58.1	-	53.0	53.8	55.5	-	49.8	50.6	52.3	-	46.9	47.7	49.5	-																																					
		S/T	0.61	0.54	0.40	-	0.62	0.54	0.41	-	0.65	0.57	0.43	-	0.67	0.59	0.45	-	1.00	0.61	0.48	-	1.00	0.66	0.53	-																																					
		ΔT	19	18	14	-	19	18	14	-	20	18	14	-	19	18	14	-	19	17	14	-	20	18	15	-																																					
		kW	3.32	3.32	3.31	-	3.75	3.74	3.74	-	4.22	4.22	4.21	-	4.74	4.74	4.73	-	5.31	5.31	5.30	-	5.99	5.99	5.98	-																																					
		Amps	13.0	13.0	13.0	-	15.0	14.9	14.9	-	17.1	17.1	17.1	-	19.5	19.5	19.5	-	22.1	22.1	22.1	-	25.2	25.2	25.2	-																																					
	1800	Hi PR	242	243	245	-	280	281	283	-	320	321	323	-	363	364	366	-	410	411	413	-	459	460	462	-																																					
		Lo PR	119	120	124	-	126	128	131	-	133	134	137	-	138	139	142	-	143	145	148	-	150	151	154	-																																					
		MBh	58.2	59.0	60.8	-	57.7	58.5	60.3	-	56.2	57.0	58.8	-	53.6	54.5	56.2	-	50.5	51.3	53.0	-	47.6	48.4	50.1	-																																					
		S/T	0.67	0.59	0.45	-	0.67	0.60	0.46	-	0.70	0.62	0.49	-	0.72	0.64	0.51	-	1.00	0.66	0.53	-	1.00	0.71	0.58	-																																					
		ΔT	18	17	13	-	18	17	13	-	19	17	13	-	18	17	13	-	18	16	13	-	19	17	14	-																																					
2000	kW	3.34	3.34	3.33	-	3.77	3.76	3.76	-	4.24	4.24	4.23	-	4.76	4.75	4.75	-	5.33	5.33	5.32	-	6.01	6.00	6.00	-																																						
	Amps	13.1	13.1	13.1	-	15.1	15.0	15.0	-	17.2	17.2	17.2	-	19.6	19.6	19.5	-	22.2	22.2	22.2	-	25.3	25.3	25.3	-																																						
	Hi PR	244	245	247	-	282	283	285	-	322	323	325	-	365	366	368	-	412	413	414	-	461	462	464	-																																						
	Lo PR	121	122	125	-	128	129	132	-	134	136	139	-	139	141	144	-	145	146	149	-	151	153	156	-																																						
	MBh	59.0	59.8	61.6	-	58.5	59.3	61.0	-	57.0	57.8	59.5	-	54.4	55.2	57.0	-	51.3	52.1	53.8	-	48.4	49.2	50.9	-																																						
75	1600	S/T	0.70	0.62	0.49	-	0.70	0.63	0.49	-	0.73	0.65	0.52	-	0.75	0.67	0.54	-	1.00	0.69	0.56	-	1.00	0.75	0.61	-																																					
		ΔT	18	16	12	-	18	16	12	-	18	16	13	-	18	16	12	-	17	16	12	-	18	17	13	-																																					
		kW	3.36	3.35	3.35	-	3.78	3.78	3.77	-	4.26	4.26	4.25	-	4.77	4.77	4.76	-	5.35	5.35	5.34	-	6.02	6.02	6.01	-																																					
		Amps	13.2	13.2	13.1	-	15.1	15.1	15.1	-	17.3	17.3	17.3	-	19.7	19.6	19.6	-	22.3	22.3	22.2	-	25.4	25.4	25.3	-																																					
		Hi PR	246	247	248	-	284	285	287	-	324	325	327	-	367	368	370	-	413	414	416	-	463	464	466	-																																					
	1800	Lo PR	122	124	127	-	130	131	134	-	136	137	140	-	141	143	146	-	146	148	151	-	153	155	158	-																																					
		MBh	57.6	58.4	60.1	62.7	57.1	57.9	59.6	62.2	55.6	56.4	58.1	60.7	53.0	53.8	55.5	58.1	49.8	50.7	52.4	55.0	47.0	47.8	49.5	52.1																																					
		S/T	0.74	0.67	0.53	0.39	0.75	0.67	0.54	0.40	0.78	0.70	0.56	0.42	1.00	0.72	0.58	0.44	1.00	0.74	0.60	0.46	1.00	0.79	0.66	0.51																																					
		ΔT	23	22	18	15	23	22	18	15	24	22	18	15	23	22	18	15	23	21	18	14	24	22	19	16																																					
		kW	3.32	3.32	3.31	3.34	3.75	3.74	3.73	3.77	4.22	4.22	4.21	4.24	4.74	4.73	4.73	4.76	5.31	5.31	5.30	5.33	5.99	5.98	5.98	6.01																																					
2000	Amps	13.0	13.0	13.0	13.1	15.0	14.9	14.9	15.1	17.1	17.1	17.1	17.2	19.5	19.5	19.4	19.6	22.1	22.1	22.1	22.2	25.2	25.2	25.2	25.3																																						
	Hi PR	242	243	245	249	281	282	283	287	321	322	323	327	364	365	366	371	410	411	413	417	460	461	462	467																																						
	Lo PR	119	121	124	129	126	128	131	136	133	134	137	142	138	139	142	148	143	145	148	153	150	151	154	159																																						
	MBh	58.3	59.1	60.8	63.4	57.8	58.6	60.3	62.9	56.3	57.1	58.8	61.4	53.7	54.5	56.2	58.8	50.5	51.3	53.0	55.7	47.6	48.4	50.2	52.8																																						
	S/T	0.80	0.72	0.58	0.44	0.80	0.73	0.59	0.45	1.00	0.75	0.62	0.47	1.00	0.77	0.63	0.49	1.00	0.79	0.66	0.51	1.00	0.84	0.71	0.57																																						
75	1800	ΔT	22	21	17	14	22	21	17	23	21	17	14	22	21	17	14	22	20	17	13	23	21	18	15																																						
		kW	3.34	3.33	3.33	3.36	3.76	3.76	3.75	3.79	4.24	4.24	4.23	4.26	4.76	4.75	4.74	4.78	5.33	5.33	5.32	5.35	6.01	6.00	5.99	6.03																																					
		Amps	13.1	13.1	13.0	13.2	15.0	15.0	15.0	15.1	17.2	17.2	17.2	17.3	19.6	19.6	19.5	19.7	22.2	22.2	22.2	22.3	25.3	25.3	25.2	25.4																																					
		Hi PR	244	245	247	251	282	283	285	289	322	323	325	329	365	366	368	372	412	413	415	419	461	462	464	468																																					
		Lo PR	121	122	125	130	128	129	132	137	134	136	139	144	140	141	144	149	145	146	149	154	151	153	156	161																																					
2000	MBh	59.1	59.9	61.6	64.2	58.6	59.4	61.1	63.7	57.1	57.9	59.6	62.2	54.5	55.3	57.0	59.6	51.3	52.1	53.8	56.5	48.4	49.2	51.0	53.6																																						
	S/T	0.83	0.75	0.62	0.47	0.83	0.76	0.62	0.48	1.00	0.78	0.65	0.50	1.00	0.80	0.67	0.52	1.00	0.82	0.69	0.55	1.00	0.88	0.74	0.60																																						
	ΔT	22	20	16	13	22	20	16	13	22	20	17	13	22	20	16	13	21	20	16	13	22	21	17	14																																						
	kW	3.35	3.35	3.34	3.38	3.78	3.78	3.77	3.80	4.26	4.25	4.25	4.28	4.77	4.77	4.76	4.79	5.35	5.34	5.34	5.37	6.02	6.02	6.01	6.04																																						
	Amps	13.2	13.2	13.1	13.3	15.1	15.1	15.1	15.2	17.3	17.3	17.2	17.4	19.7	19.6	19.6	19.8	22.3	22.3	22.2	22.4	25.4	25.4	25.3	25.5																																						
75	2000	Hi PR	246	247	249	253	284	285	287	291	324	325	327	331	367	368	370	374	414	415	416	421	463	464	466	470																																					
		Lo PR	122	124	127	132	130	131	134	139	136	137	140	145	141	143	146	151	146	148	151	156	153	155	158	163																																					
		MBh	59.1	59.9	61.6	64.2	58.6	59.4	61.1	63.7	57.1	57.9	59.6	62.2	54.5	55.3	57.0	59.6	51.3	52.1	53.8	56.5	48.4	49.2	51.0	53.6																																					
		S/T	0.83	0.75	0.62	0.47	0.83	0.76	0.62	0.48	1.00	0.78	0.65	0.50	1.00	0.80	0.67	0.52	1.00	0.82	0.69	0.55	1.00	0.88	0.74	0.60																																					
		ΔT	22	20	16	13	22	20	16	13	22	20	17	13	22	20	16	13	21	20	16	13	22	21	17	14																																					
75	2000	kW	3.35	3.35	3.34	3.38	3.78	3.78	3.77	3.80	4.26	4.25	4.25	4.28	4.77	4.77	4.76	4.79	5.35	5.34	5.34	5.37	6.02	6.02	6.01	6.04																																					
		Amps	13.2	13.2	13.1	13.3	15.1	15.1	15.1	15.2	17.3	17.3	17.2	17.4	19.7	19.6	19.6	19.8	22.3	22.3	22.2	22.4	25.4	25.4	25.3	25.5																																					
		Hi PR	246	247	249	253	284	285	287	291	324	325	327	331	367	368	370	374	414	415	416	421	463	464	466	470																																					
		Lo PR	122	124	127	132	130	131	134	139	136	137	140	145	141	143	146	151	146	148	151	156	153	155	158	163																																					
		MBh	59.1	59.9	61.6	64.2	58.6	59.4	61.1	63.7	57.1	57.9	59.6	62.2	54.5	55.3	57.0	59.6	51.3	52.1	53.8	56.5	48.4	49.2	51.0	53.6																																					
75	2000	S/T	0.83	0.75	0.62	0.47	0.83	0.76	0.62	0.48	1.00	0.78	0.65	0.50	1.00	0.80	0.67	0.52	1.00	0.82	0.69	0.55	1.00	0.88	0.74	0.60																																					
		ΔT	22	20	16	13	22	20	16	13	22	20	17	13	22	20	16	13	21	20	16	13	22	21	17	14																																					
		kW	3.35	3.35	3.34	3.38	3.78	3.78	3.77	3.80	4.26	4.25	4.25	4.28	4.77	4.77	4.76	4.79	5.35	5.34	5.34	5.37	6.02	6.02	6.01	6.04																																					
		Amps	13.2	13.2	13.1	13.3	15.1	15.1	15.1	15.2	17.3	17.3	17.2	17.4	19.7	19.6	19.6	19.8	22.3	22.3	22.2	22.4	25.4	25.4	25.3	25.5																																					
		Hi PR	246	247	249	253	284	285	287	291	324	325	327	331	367	368	370	374	414	415	416	421	463	464	466	470																																					
75	2000	Lo PR	122	124	127	132	130	131	134	139	136	137	140	145	141	143	146	151	146	148	151	156	153	155	158	163																																					
		MBh	59.1	59.9	61.6	64.2	58.6	59.4	61.1	63.7	57.1	57.9	59.6	62.2	54.5	55.3	57.0	59.6	51.3	52.1	53.8	56.5	48.4	49.2	51.0	53.6																																					
		S/T	0.83	0.75	0.62	0.47	0.83	0.76	0.62	0.48																																																					

		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
80	1600	MBh	57.9	58.7	60.4	63.0	57.4	58.2	59.9	62.5	55.9	56.7	58.4	61.0	53.3	54.1	55.8	58.4	50.1	50.9	52.7	55.3	47.3	48.1	49.8	52.4	47.3	48.1	49.8	52.4							
	S/T	0.87	0.79	0.66	0.51	1.00	0.80	0.66	0.52	1.00	0.82	0.69	0.55	1.00	0.84	0.71	0.57	1.00	0.87	0.73	0.59	1.00	1.00	0.78	0.64	1.00	0.87	0.73	0.59	1.00	0.78	0.64					
	ΔT	27	26	22	19	27	26	22	19	28	26	22	19	27	26	22	19	27	25	22	18	28	26	23	20	28	26	23	20	28	26	23	20				
	kW	3.32	3.32	3.31	3.34	3.75	3.74	3.74	3.77	4.22	4.22	4.21	4.25	4.74	4.73	4.73	4.76	5.31	5.31	5.30	5.34	5.99	5.98	5.98	6.01	5.99	5.98	5.98	6.01	5.99	5.98	6.01					
	Amps	13.0	13.0	13.0	13.1	15.0	14.9	14.9	15.1	17.1	17.1	17.1	17.2	19.5	19.5	19.4	19.6	22.1	22.1	22.1	22.2	25.2	25.2	25.2	25.3	25.2	25.2	25.2	25.3	25.2	25.2	25.3	25.2	25.3			
	Hi PR	243	244	246	250	281	282	284	288	321	322	324	328	364	365	367	371	410	412	413	417	460	461	463	467	460	461	463	467	460	461	463	467				
	Lo PR	120	121	124	129	127	128	131	136	133	135	138	143	138	140	143	148	144	145	148	153	150	152	155	160	150	152	155	160	150	152	155	160				
	MBh	58.6	59.4	61.1	63.7	58.1	58.9	60.6	63.2	56.6	57.4	59.1	61.7	54.0	54.8	56.5	59.1	50.8	51.6	53.3	56.0	47.9	48.7	50.5	53.1	47.9	48.7	50.5	53.1	47.9	48.7	50.5	53.1				
2000	S/T	0.92	0.85	0.71	0.57	1.00	0.85	0.72	0.57	1.00	0.88	0.74	0.60	1.00	0.90	0.76	0.62	1.00	1.00	0.78	0.64	1.00	1.00	0.83	0.69	1.00	0.87	0.73	0.59	1.00	0.83	0.69					
	ΔT	26	25	21	18	26	25	21	18	27	25	21	18	26	25	21	18	26	24	21	17	27	25	22	19	27	25	22	19	27	25	22	19				
	kW	3.34	3.34	3.33	3.36	3.77	3.76	3.76	3.79	4.24	4.24	4.23	4.26	4.76	4.75	4.75	4.78	5.33	5.33	5.32	5.35	6.01	6.00	6.00	6.03	6.01	6.00	6.00	6.03	6.01	6.00	6.03	6.01				
	Amps	13.1	13.1	13.1	13.2	15.1	15.0	15.0	15.2	17.2	17.2	17.2	17.3	19.6	19.6	19.5	19.7	22.2	22.2	22.2	22.3	25.3	25.3	25.3	25.4	25.3	25.3	25.3	25.4	25.3	25.3	25.4	25.3	25.4			
	Hi PR	245	246	247	252	283	284	286	290	323	324	326	330	366	367	369	373	412	413	415	419	462	463	465	469	462	463	465	469	462	463	465	469				
	Lo PR	121	123	126	131	128	130	133	138	135	136	139	144	140	142	145	150	145	147	150	155	152	153	156	161	152	153	156	161	152	153	156	161				
	MBh	59.4	60.2	61.9	64.5	58.9	59.7	61.4	64.0	57.4	58.2	59.9	62.5	54.8	55.6	57.3	59.9	51.6	52.4	54.1	56.8	48.7	49.5	51.3	53.9	48.7	49.5	51.3	53.9	48.7	49.5	51.3	53.9				
	S/T	1.00	0.88	0.74	0.60	1.00	0.88	0.75	0.60	1.00	0.91	0.77	0.63	1.00	0.93	0.79	0.65	1.00	1.00	0.81	0.67	1.00	1.00	0.87	0.72	1.00	0.87	0.73	0.59	1.00	0.87	0.72	1.00	0.87			
85	1600	ΔT	26	24	20	17	26	24	20	17	26	24	21	17	26	24	20	17	25	24	20	17	26	25	21	18	26	25	21	18	26	25	21	18			
	kW	3.36	3.35	3.35	3.38	3.78	3.78	3.77	3.81	4.26	4.26	4.25	4.28	4.77	4.77	4.76	4.80	5.35	5.35	5.34	5.37	6.02	6.02	6.01	6.05	6.02	6.02	6.01	6.05	6.02	6.01	6.05	6.02	6.01			
	Amps	13.2	13.2	13.1	13.3	15.1	15.1	15.1	15.2	17.3	17.3	17.3	17.4	19.7	19.6	19.6	19.8	22.3	22.3	22.2	22.4	25.4	25.4	25.3	25.5	25.4	25.4	25.3	25.5	25.4	25.3	25.5	25.4	25.5			
	Hi PR	246	247	249	253	285	286	287	292	325	326	327	332	368	369	370	375	414	415	417	421	464	465	466	471	464	465	466	471	464	465	466	471				
	Lo PR	123	124	127	132	130	132	135	140	136	138	141	146	142	143	146	151	147	148	152	157	154	155	158	163	154	155	158	163	154	155	158	163				
	MBh	58.9	59.7	61.4	64.0	58.3	59.2	60.9	63.5	56.8	57.7	59.4	62.0	54.3	55.1	56.8	59.4	51.1	51.9	53.6	56.3	48.2	49.0	50.8	53.4	48.2	49.0	50.8	53.4	48.2	49.0	50.8	53.4				
	S/T	1.00	0.89	0.76	0.6	1.00	0.90	0.77	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.88	0.7	1.00	1.00	0.88	0.7	1.00	1.00	0.88	0.7				
	ΔT	31	29	26	22	31	29	26	22	31	29	26	22	31	29	26	22	31	29	25	22	32	30	27	23	32	30	27	23	32	30	27	23				
2000	kW	3.33	3.33	3.32	3.4	3.76	3.75	3.74	3.8	4.23	4.23	4.22	4.3	4.75	4.74	4.74	4.8	5.32	5.32	5.31	5.3	6.00	5.99	5.99	6.0	6.00	5.99	5.99	6.0	6.00	5.99	5.99	6.0				
	Amps	13.0	13.0	13.0	13.1	15.0	15.0	15.0	15.1	17.2	17.2	17.1	17.3	19.5	19.5	19.5	19.6	22.2	22.2	22.1	22.3	25.3	25.2	25.2	25.4	25.3	25.2	25.2	25.4	25.3	25.2	25.2	25.4				
	Hi PR	244	245	247	251	282	283	285	289	322	323	325	329	365	366	368	372	412	413	414	419	461	462	464	468	461	462	464	468	461	462	464	468				
	Lo PR	121	123	126	131	129	130	133	138	135	136	139	144	140	142	145	150	146	147	150	155	152	154	157	162	152	154	157	162	152	154	157	162				
	MBh	59.5	60.3	62.1	64.7	59.0	59.8	61.6	64.2	57.5	58.3	60.1	62.7	54.9	55.8	57.5	60.1	51.8	52.6	54.3	56.9	48.9	49.7	51.4	54.1	48.9	49.7	51.4	54.1	48.9	49.7	51.4	54.1				
	S/T	1.00	0.95	0.81	0.7	1.00	0.95	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.88	0.7	1.00	1.00	0.94	0.8	1.00	1.00	0.94	0.8	1.00	1.00	0.94	0.8				
	ΔT	30	28	25	21	30	28	25	21	30	28	25	22	30	28	25	21	30	28	25	21	31	29	26	22	31	29	26	22	31	29	26	22				
	kW	3.35	3.35	3.34	3.4	3.77	3.77	3.76	3.8	4.25	4.25	4.24	4.3	4.77	4.76	4.75	4.8	5.34	5.34	5.33	5.4	6.02	6.01	6.01	6.0	6.02	6.01	6.01	6.0	6.02	6.01	6.01	6.0				
80	1800	Amps	13.1	13.1	13.1	13.2	15.1	15.1	15.0	17.3	17.3	17.2	17.4	19.6	19.6	19.6	19.7	22.3	22.2	22.2	22.4	25.3	25.3	25.3	25.4	25.3	25.3	25.3	25.4	25.3	25.3	25.4	25.3	25.4			
	Hi PR	246	247	249	253	284	285	287	291	324	325	327	331	367	368	370	374	413	414	416	420	463	464	466	470	463	464	466	470	463	464	466	470				
	Lo PR	123	124	127	132	130	132	135	140	136	138	141	146	142	143	146	151	147	149	152	157	154	155	158	163	154	155	158	163	154	155	158	163				
	MBh	60.3	61.1	62.9	65.5	59.8	60.6	62.3	65.0	58.3	59.1	60.8	63.5	55.7	56.5	58.3	60.9	52.6	53.4	55.1	57.7	49.7	50.5	52.2	54.9	49.7	50.5	52.2	54.9	49.7	50.5	52.2	54.9				
	S/T	1.00	0.98	0.84	0.7	1.00	0.98	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.89	0.7	1.00	1.00	0.92	0.8	1.00	1.00	1.00	1.00	1.00	1.00	0.92	0.8	1.00	1.00	1.00	1.00				
	ΔT	29	27	24	21	29	27	24	20	29	28	24	21	29	27	24	20	29	27	24	20	30	28	25	21	30	28	25	21								

GSZH501810A*+AMST30BU1400A*

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	22.7	21.2	19.8	18.3	17.4	16.7	15.0	13.4	12.1	11.1	10.4	10.0	9.5	8.3	7.0	5.8	4.6
T/R	32.6	30.8	28.9	27.1	26.0	25.0	22.4	20.0	18.0	16.6	15.5	14.9	14.2	12.4	10.5	8.7	6.8
kW	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1
Amps	5.1	5.0	4.9	4.8	4.7	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.1	4.0	3.9	3.8	3.7
COP	4.79	4.55	4.31	4.06	3.90	3.77	3.44	3.13	2.88	2.69	2.57	2.50	2.40	2.13	1.85	1.55	1.25
HI PR	363	351	339	327	320	315	304	292	280	268	257	249	245	233	221	209	198
LO PR	148	139	130	121	115	111	102	93	84	74	65	60	56	47	38	28	19

GSZH502410A*+AMST30BU1400A*

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	30.5	28.4	26.4	24.5	23.2	22.2	19.8	17.7	15.9	14.5	13.5	13.0	12.3	10.6	8.9	7.2	5.5
T/R	33.9	32.0	30.0	28.0	26.9	25.7	23.0	20.4	18.4	16.8	15.7	15.0	14.3	12.3	10.3	8.4	6.4
kW	2.0	2.0	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.4	1.3	1.3
Amps	7.5	7.3	7.1	6.9	6.7	6.6	6.4	6.2	5.9	5.7	5.5	5.4	5.3	5.0	4.8	4.6	4.4
COP	4.41	4.22	4.03	3.84	3.70	3.59	3.30	3.02	2.80	2.65	2.55	2.50	2.40	2.15	1.87	1.57	1.25
HI PR	377	365	353	340	333	328	316	304	291	279	267	259	254	242	230	218	205
LO PR	142	133	124	116	110	107	98	89	80	71	62	57	54	45	36	27	18

GSZH503010A*+AMST30BU1400A*

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	36.4	34.2	32.0	29.8	28.4	27.4	24.8	22.4	20.5	19.0	18.0	17.4	16.7	14.8	13.0	11.2	9.3
T/R	32.4	30.7	29.0	27.3	26.3	25.4	23.0	20.8	18.9	17.6	16.6	16.1	15.4	13.7	12.0	10.3	8.6
kW	2.4	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.9
Amps	8.7	8.6	8.4	8.3	8.2	8.1	8.0	7.8	7.7	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.6
COP	4.49	4.28	4.06	3.85	3.70	3.59	3.31	3.04	2.81	2.66	2.56	2.50	2.41	2.18	1.95	1.70	1.45
HI PR	385	373	360	348	340	335	323	310	298	285	273	265	260	248	235	222	210
LO PR	137	129	120	112	107	103	95	86	77	69	60	55	52	43	35	26	18

GSZH503610A*+AMST42CU1400A*

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	44.8	41.9	39.0	36.2	34.4	33.1	29.7	26.6	24.0	22.1	20.8	20.0	19.0	16.6	14.2	11.8	9.4
T/R	36.9	34.8	32.8	30.7	29.5	28.4	25.5	22.8	20.6	19.0	17.8	17.1	16.3	14.3	12.2	10.1	8.1
kW	3.1	3.1	3.0	2.9	2.9	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.3	2.2	2.1
Amps	12.0	11.6	11.3	11.0	10.8	10.7	10.4	10.0	9.7	9.4	9.1	8.9	8.8	8.5	8.1	7.8	7.5
COP	4.17	4.00	3.81	3.63	3.50	3.40	3.13	2.88	2.68	2.54	2.45	2.40	2.31	2.08	1.84	1.58	1.30
HI PR	397	384	371	358	351	345	332	320	307	294	281	273	268	255	242	229	216
LO PR	133	125	117	108	104	100	92	84	75	67	59	54	50	42	34	26	17

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

Amps = Outdoor unit amps (comp.+fan)

kW = Total system power

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GSZH504210A*+AMST42CU1400A*

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	51.6	48.3	45.2	42.0	40.0	38.5	34.8	31.3	28.5	26.4	24.8	24.0	22.9	20.3	17.6	14.9	12.3
T/R	34.3	32.4	30.6	28.7	27.6	26.6	24.0	21.6	19.7	18.2	17.2	16.6	15.8	14.0	12.2	10.3	8.5
kW	3.5	3.4	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.0	3.0	2.9	2.9	2.9	2.8	2.7	2.7
Amps	12.9	12.6	12.4	12.2	12.0	11.9	11.7	11.5	11.2	11.0	10.8	10.6	10.5	10.3	10.0	9.8	9.6
COP	4.38	4.17	3.96	3.74	3.60	3.49	3.21	2.94	2.72	2.56	2.46	2.40	2.31	2.08	1.84	1.59	1.34
HI PR	395	382	369	356	348	343	330	318	305	292	279	271	266	253	241	228	215
LO PR	132	124	115	107	102	99	91	83	74	66	58	53	50	42	33	25	17

GSZH504810A*+AMST48CU1400A*

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	59.1	55.4	51.8	48.3	46.0	44.4	40.2	36.2	33.0	30.7	28.9	28.0	26.8	23.8	20.8	17.8	14.8
T/R	36.0	34.1	32.2	30.3	29.2	28.1	25.5	23.0	20.9	19.4	18.3	17.8	17.0	15.1	13.2	11.3	9.4
kW	3.9	3.8	3.7	3.7	3.6	3.6	3.6	3.5	3.4	3.4	3.3	3.3	3.3	3.2	3.1	3.1	3.0
Amps	14.5	14.2	13.9	13.7	13.5	13.4	13.2	12.9	12.6	12.4	12.1	12.0	11.9	11.6	11.3	11.1	10.8
COP	4.48	4.27	4.06	3.85	3.70	3.59	3.31	3.03	2.81	2.66	2.55	2.50	2.41	2.18	1.94	1.69	1.44
HI PR	433	419	405	391	382	376	362	348	334	320	306	298	292	278	264	250	236
LO PR	137	128	120	111	106	103	94	86	77	69	60	55	52	43	35	26	18

GSZH506010A*+AMST60DU1400A*

	OUTDOOR AMBIENT TEMPERATURE																
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	71.1	67.2	63.3	59.5	57.0	55.2	51.0	46.4	43.2	40.7	38.9	38.0	36.7	33.6	30.4	27.2	24.1
T/R	35.4	33.7	32.1	30.5	29.5	28.6	26.4	24.2	22.4	21.1	20.1	19.7	19.0	17.4	15.7	14.1	12.4
kW	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.4	4.3	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.8
Amps	17.8	17.5	17.2	17.0	16.8	16.7	16.4	16.1	15.8	15.5	15.3	15.1	15.0	14.7	14.4	14.1	13.8
COP	4.39	4.20	4.02	3.83	3.70	3.60	3.38	3.12	2.95	2.82	2.74	2.70	2.63	2.44	2.24	2.04	1.84
HI PR	427	413	400	386	377	372	358	344	330	316	302	294	288	274	261	247	233
LO PR	130	122	114	105	101	97	89	81	73	65	57	52	49	41	33	25	17

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

Amps = Outdoor unit amps (comp.+fan)

kW = Total system power

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GSZH501810A* + AMST30BU1400A*				
CONDITIONS: 80 °F IBD, 67 °F IWB @ 620 CFM				
OUTDOOR TEM. ° F.	TOTAL BTU/H	SENSIBLE BTU/H	LATENT BTU/H	TOTAL WATTS
75	18,850	14,150	4,700	1,100
80	18,650	14,000	4,650	1,160
85	18,400	13,800	4,600	1,220
90	18,000	13,500	4,500	1,290
95	17,600	13,150	4,450	1,350
100	17,100	12,800	4,300	1,430
105	16,600	12,450	4,150	1,500
110	16,150	12,100	4,050	1,590
115	15,700	11,750	3,950	1,670
TVA CONDITIONS @ 95° OD DB, 75° ID DB 63° ID WB				
95°	16,950	13,200	3,750	1,350

GSZH502410A* + AMST30BU1400A*				
CONDITIONS: 80 °F IBD, 67 °F IWB @ 800 CFM				
OUTDOOR TEM. ° F.	TOTAL BTU/H	SENSIBLE BTU/H	LATENT BTU/H	TOTAL WATTS
75	24,900	18,600	6,300	1,440
80	24,600	18,400	6,200	1,530
85	24,250	18,150	6,100	1,610
90	23,750	17,750	6,000	1,700
95	23,200	17,350	5,850	1,780
100	22,550	16,900	5,650	1,880
105	21,900	16,400	5,500	1,980
110	21,300	15,950	5,350	2,100
115	20,700	15,500	5,200	2,210
TVA CONDITIONS @ 95° OD DB, 75° ID DB 63° ID WB				
95°	22,350	17,400	4,950	1,780

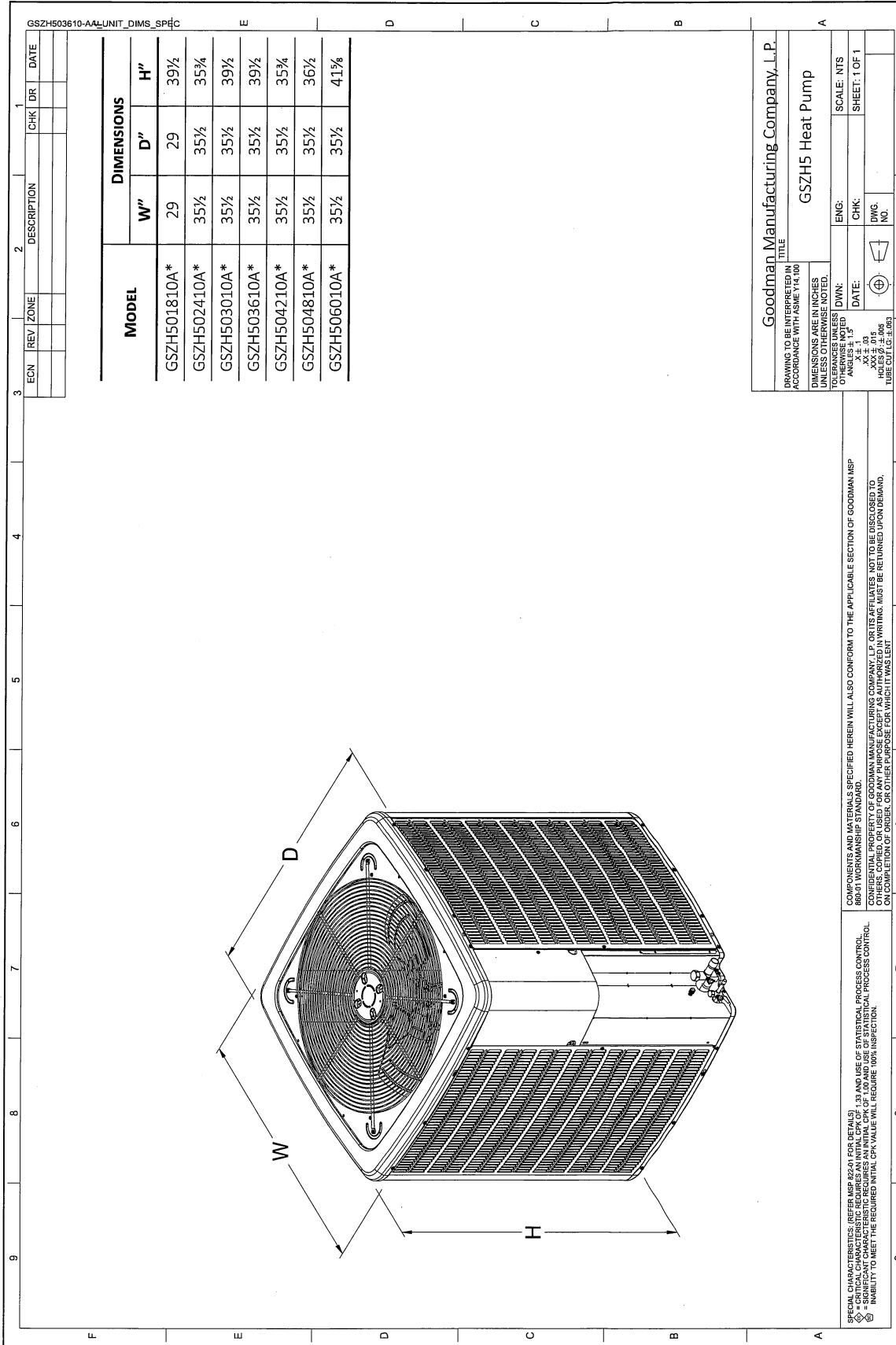
GSZH503010A* + AMST30BU1400A*				
CONDITIONS: 80 °F IBD, 67 °F IWB @ 1000 CFM				
OUTDOOR TEM. ° F.	TOTAL BTU/H	SENSIBLE BTU/H	LATENT BTU/H	TOTAL WATTS
75	30,450	23,100	7,350	1,820
80	30,100	22,850	7,250	1,920
85	29,700	22,550	7,150	2,020
90	29,050	22,050	7,000	2,140
95	28,400	21,550	6,850	2,250
100	27,600	20,950	6,650	2,380
105	26,800	20,350	6,450	2,500
110	26,100	19,800	6,300	2,650
115	25,350	19,250	6,100	2,790
TVA CONDITIONS @ 95° OD DB, 75° ID DB 63° ID WB				
95°	27,400	21,650	5,750	2,250

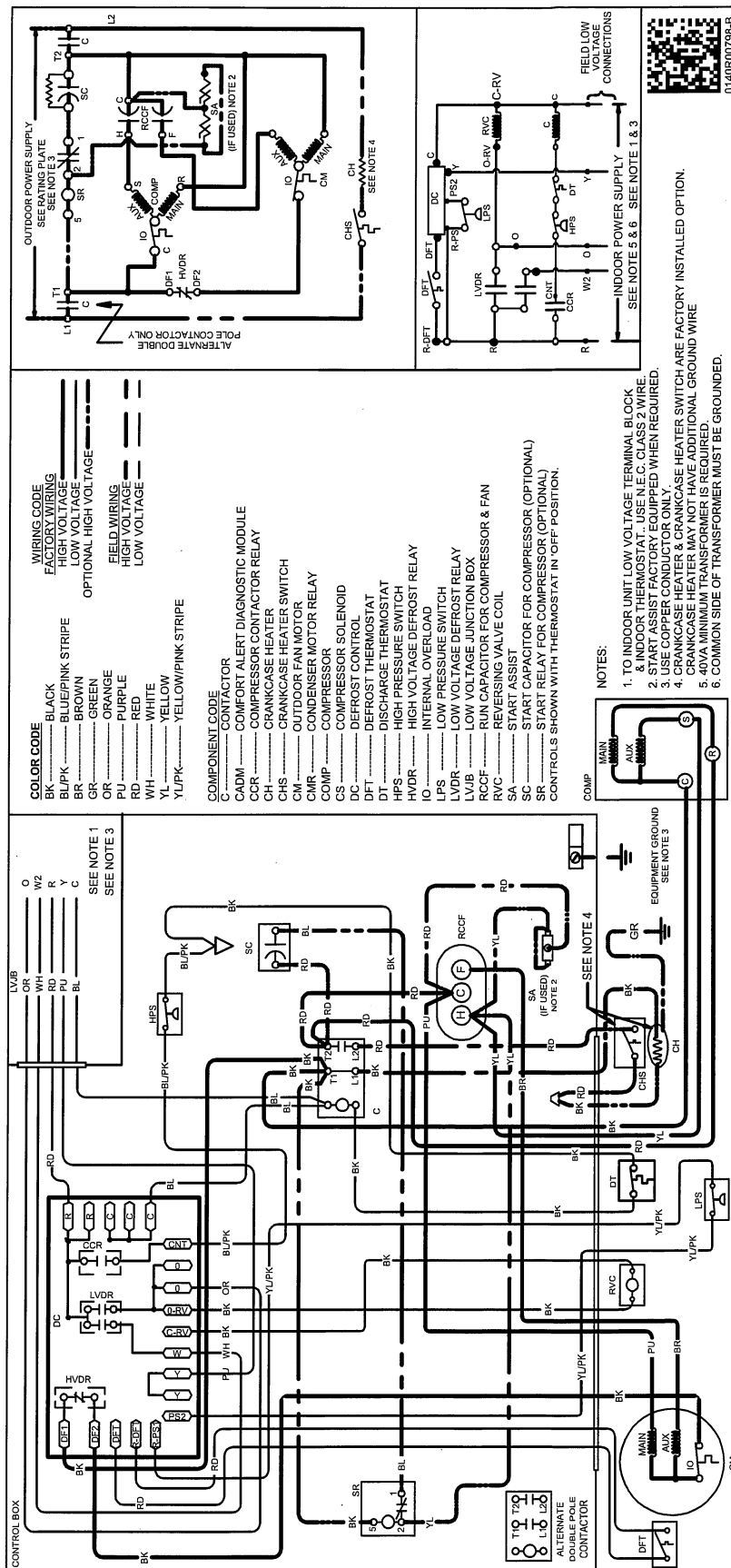
GSZH503610A* + AMST42CU1400A*				
CONDITIONS: 80 °F IBD, 67 °F IWB @ 1200 CFM				
OUTDOOR TEM. ° F.	TOTAL BTU/H	SENSIBLE BTU/H	LATENT BTU/H	TOTAL WATTS
75	37,800	28,250	9,550	2,170
80	37,350	27,900	9,450	2,310
85	36,900	27,550	9,350	2,440
90	36,100	26,950	9,150	2,590
95	35,300	26,350	8,950	2,730
100	34,350	25,650	8,700	2,890
105	33,350	24,900	8,450	3,050
110	32,450	24,250	8,200	3,240
115	31,550	23,600	7,950	3,430
TVA CONDITIONS @ 95° OD DB, 75° ID DB 63° ID WB				
95°	34,050	26,400	7,650	2,730

GSZH504210A* + AMST42CU1400A*				
CONDITIONS: 80 °F IBD, 67 °F IWB @ 1340 CFM				
OUTDOOR TEM. ° F.	TOTAL BTU/H	SENSIBLE BTU/H	LATENT BTU/H	TOTAL WATTS
75	42,900	31,950	10,950	2,500
80	42,400	31,550	10,850	2,640
85	41,850	31,150	10,700	2,780
90	40,950	30,500	10,450	2,940
95	40,000	29,800	10,200	3,090
100	38,900	28,950	9,950	3,260
105	37,750	28,100	9,650	3,430
110	36,750	27,350	9,400	3,630
115	35,750	26,600	9,150	3,830
TVA CONDITIONS @ 95° OD DB, 75° ID DB 63° ID WB				
95°	38,550	29,850	8,700	3,090

GSZH504810A* + AMST48CU1400A*				
CONDITIONS: 80 °F IBD, 67 °F IWB @ 1600 CFM				
OUTDOOR TEM. ° F.	TOTAL BTU/H	SENSIBLE BTU/H	LATENT BTU/H	TOTAL WATTS
75	49,350	37,100	12,250	2,820
80	48,750	36,650	12,100	2,980
85	48,150	36,200	11,950	3,140
90	47,100	35,400	11,700	3,320
95	46,050	34,600	11,450	3,500
100	44,800	33,650	11,150	3,700
105	43,500	32,700	10,800	3,890
110	42,350	31,850	10,500	4,130
115	41,200	30,950	10,250	4,360
TVA CONDITIONS @ 95° OD DB, 75° ID DB 63° ID WB				
95°	44,450	34,700	9,750	3,500

GSZH506010A* + AMST60DU1400A*				
CONDITIONS: 80 °F IBD, 67 °F IWB @ 1800 CFM				
OUTDOOR TEM. ° F.	TOTAL BTU/H	SENSIBLE BTU/H	LATENT BTU/H	TOTAL WATTS
75	60,600	44,900	15,700	3,760
80	59,850	44,350	15,500	4,000
85	59,100	43,750	15,350	4,230
90	57,800	42,800	15,000	4,490
95	56,500	41,850	14,650	4,750
100	54,950	40,700	14,250	5,040
105	53,350	39,500	13,850	5,320
110	51,900	38,450	13,450	5,660
115	50,450	37,400	13,050	6,000
TVA Conditions @ 95° OD DB, 75° ID DB 63° ID WB				
95°	54,500	42,000	12,500	4,750



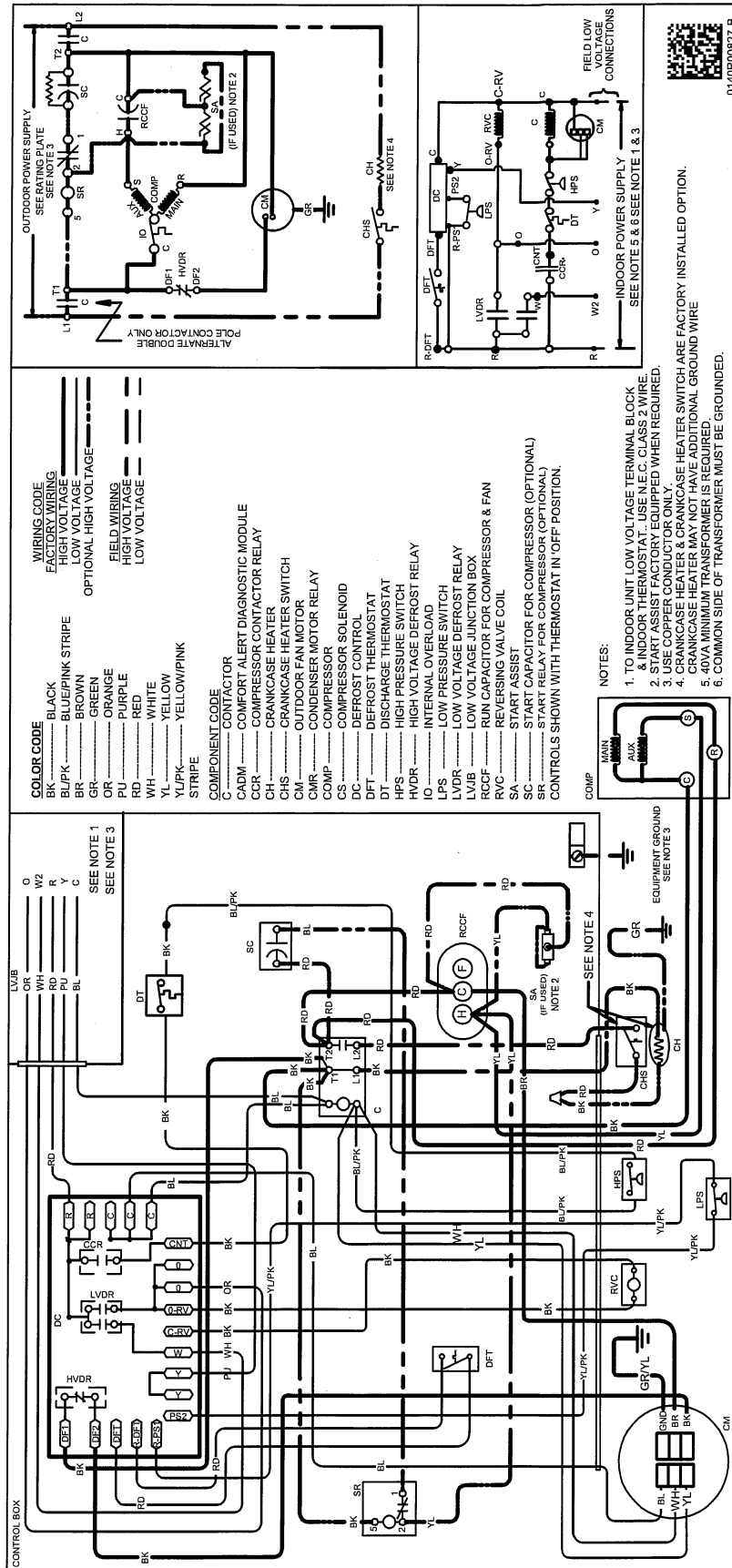


WARNING

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 or the unit for the most up-to-date wiring.

0140R00798-B

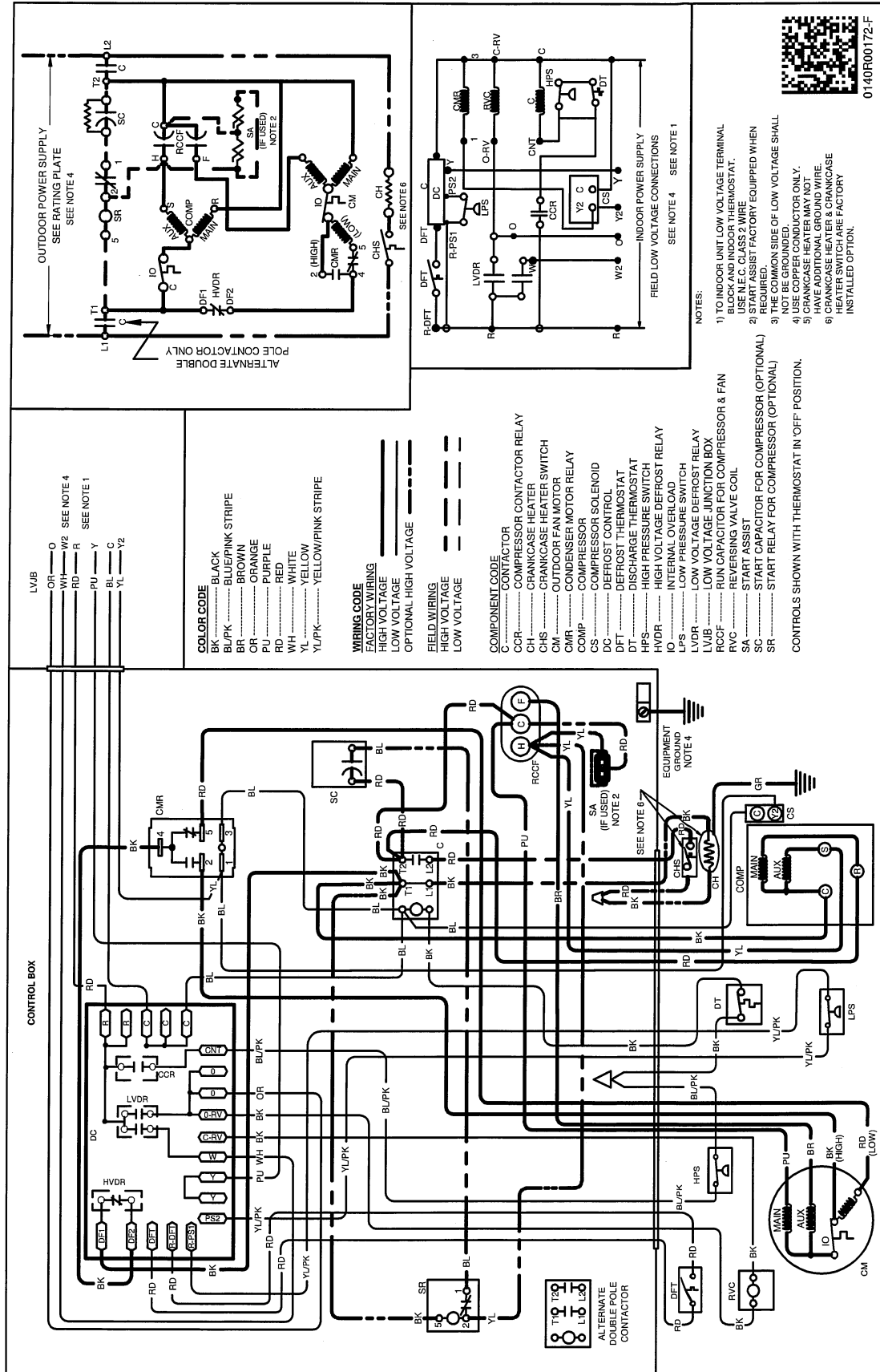


Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



WARNING

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



WARNING

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.

MODEL #	DESCRIPTION	GSZH5 01810A*	GSZH5 02410A*	GSZH5 03010A*	GSZH5 03610A*	GSZH5 04210A*	GSZH5 04810A*	GSZH5 06010A*
ABK-20	Anchor Bracket Kit ⁰	X	X	X	X	X	X	X
CSR-U-1	Hard-start Kit	X	X	X	X			
CSR-U-2	Hard-start Kit					X	X	X
CSR-U-3	Hard-start Kit						X	X
FSK01A ¹	Freeze Protection Kit	X	X	X	X	X	X	X
LAKT01A	Low-Ambient Kit	X	X	X	X	X	X	X
OT18-60A ²	Outdoor Thermostat w/ Lockout Stat	X	X	X	X	X	X	X
TXV-FX-KX-2T ³	TXV Kit	X	X					
TXV-FX-KX-3T ³	TXV Kit			X	X			
TXV-FX-KX-5T ³	TXV Kit					X	X	X

⁰ Contains 20 brackets; four brackets needed to anchor unit to pad

¹ Installed on indoor coil

² Required for heat pump applications where ambient temperatures fall below 0°F with 50% or higher relative humidity.

³ Condensing units and heat pumps with reciprocating or rotary compressors require the use of start-assist components when used in conjunction with an indoor coil using a non-bleed thermal expansion valve refrigerant metering device or liquid line solenoid kit. The TXV should always be sized based on the tonnage of the outdoor unit.

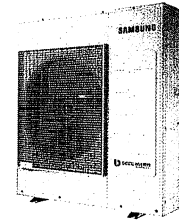
This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Samsung "Max Heat" FJM Series, 4 Port Condensing Unit

Job Name _____
Purchaser _____
Submitted to _____
Unit Designation _____

Location _____
Engineer _____
Reference ☐ Approval ☐ Construction ☐
Schedule # _____

Model	US Code		JXH24S4B
	Model Number		AJ024BXS4CH/AA
Performance	Capacity (min. / standard / max.)	Cooling (Btu/h)	6,500 / 25,000 / 25,000
		Heating (Btu/h)	7,500 / 25,000 / 25,000
	Heating Capacity at 5°F OA, 70°F Indoor DB (Btu/h)		25,000
	Heating Capacity at -13°F OA, 70°F Indoor DB (Btu/h)		17,480
	SEER (Ducted / Mixed / Non-ducted) ¹		16 / 17.5 / 19
	EER (Ducted / Mixed / Non-ducted) ¹		10.6 / 11.8 / 13.0
	HSPF (Ducted / Mixed / Non-ducted) ¹		9.5 / 9.75 / 10.0
	SEER2 (Ducted / Mixed / Non-ducted) ²		17.5 / 18.75 / 20.0
	EER2 (Ducted / Mixed / Non-ducted) ²		10.6 / 11.8 / 13.0
HSPF2 (Ducted / Mixed / Non-ducted) ²		8.3 / 8.65 / 9.0	
Power	Voltage	(ø/V/Hz)	1 / 208-230 / 60
	Rated Current (amps) ³	Cooling (A)	9.2
		Heating (A)	8.8
	Max. Breaker	Amps	30
Minimum Circuit Ampacity (A)		26.0	
Dimensions	W X H X D	Inches	37 x 39 5/16 x 13
	Weight	lbs.	173.1
Noise Level	Cooling	dB (A)	54
	Heating	dB (A)	58
Operating Temperatures	Cooling	14 ~ 114.8°F (-10 ~ 46.0°C)	
	Heating	-13 ~75°F (-25 ~ 24.0°C)	
Pipe Connections	High Side		1/4" X 4
	Low Side (suction)		3/8" X 2 + 1/2" X 2
	Maximum Individual Line Set Length		82 ft
	Maximum Line Set Length (total)		230 ft
	Maximum Vertical Separation	Outdoor to Indoor	49 ft
		Highest to lowest indoor	25 ft
Included Pipe Adapters		2 - 1/2" X 3/8"	
Condenser Fan	Motor		BLDC With Propeller Fan (1)
	Output	Watts / FLA	125 / 1.28
		CFM	2,493
Compressor	Type	Twin BLDC Rotary Inverter	
	RLA	Amps	18.4
Heat Exchanger	Type		Aluminum Fin - Copper Tube
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
	Factory Charge		119.9 oz
	Charged for		131 ft
	Additional Refrigerant		0.22 oz/ft over 131 ft
Accessories	Wall Bracket		☐ CKN-250
	Wind Baffle	Front	☐ WBF-2M-B
		Back	☐ WBB-11M
Certifications	Safety		ETL (UL 60335-2-40)
	ENERGY STAR® Certification		Applies to AHRI non ducted listing
Warranty	10 Years compressor, 10 year parts, 1 year limited labor (registration required)		



General Information

- The Samsung Max Heat system shall provide high heating capacity at -13°F outside temperature
- The outdoor unit shall supply power individually to the indoor units via 14 AWG X 3 power wire
- The outdoor unit shall have a base pan heater as standard to ensure optimal defrost cycle water drainage
- Auto-restart after power loss
- Available maximum current setting option to reduce operating current.
- System energy consumption can be viewed using Samsung SmartThings mobile app (not revenue grade, for reference only).
- Soft-start to reduce current demand during compressor start
- Auto or manual addressing of indoor units

Construction

- The outdoor unit shall be galvanized steel with a baked on powder coated finish for durability

Heat Exchanger

- The heat exchanger shall be mechanically bonded fin to copper tube

Controls

- Control signal shall be a DDC type signal
- Interconnect control wire between outdoor and indoor units shall be 16AWG X 2
- Controls shall integrate with a BMS system
- The system shall integrate with the Samsung Controls solution

Refrigerant System

- The refrigerant shall be R410A
- The compressor shall be hermetically sealed, inverter controlled, Twin BLDC Rotary
- Refrigerant flow shall be controlled by 4 separate electronic expansion valves at outdoor unit

Indoor Unit Compatibility

Will only operate with Samsung evaporator model numbers:
AR**TSFABWKNCV (RNS**ABT): 7,000 - 18,000 Btu/h models
AR**BSFCMWKNCV (RNS**CMB): 7,000 - 18,000 Btu/h models
AR**TSFYBWKNCV (RNS**YBT): 7,000 - 18,000 Btu/h models
AC0**BNNDCH/AA (CNH**NDB): 9,000 - 18,000 Btu/h models
AC0**BN1DCH/AA (CNH**1DB): 9,000 - 12,000 Btu/h models
AC0**BNJDCH/AA (CNH**JDB): 9,000 - 18,000 Btu/h models
AC0**BNLDCH/AA (CNH**LDB): 9,000 - 18,000 Btu/h models
AC012BNZDCH/AA (CNH12ZDB)
AJ0**BNHDCH/AA (JNH**HDB): 9,000 - 15,000 Btu/h models

Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and (excluding ductless systems) must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.

Samsung HVAC maintains a policy of ongoing development. Specifications are subject to change without notice. Refer to www.AHRIdirectory.org for current reference numbers.



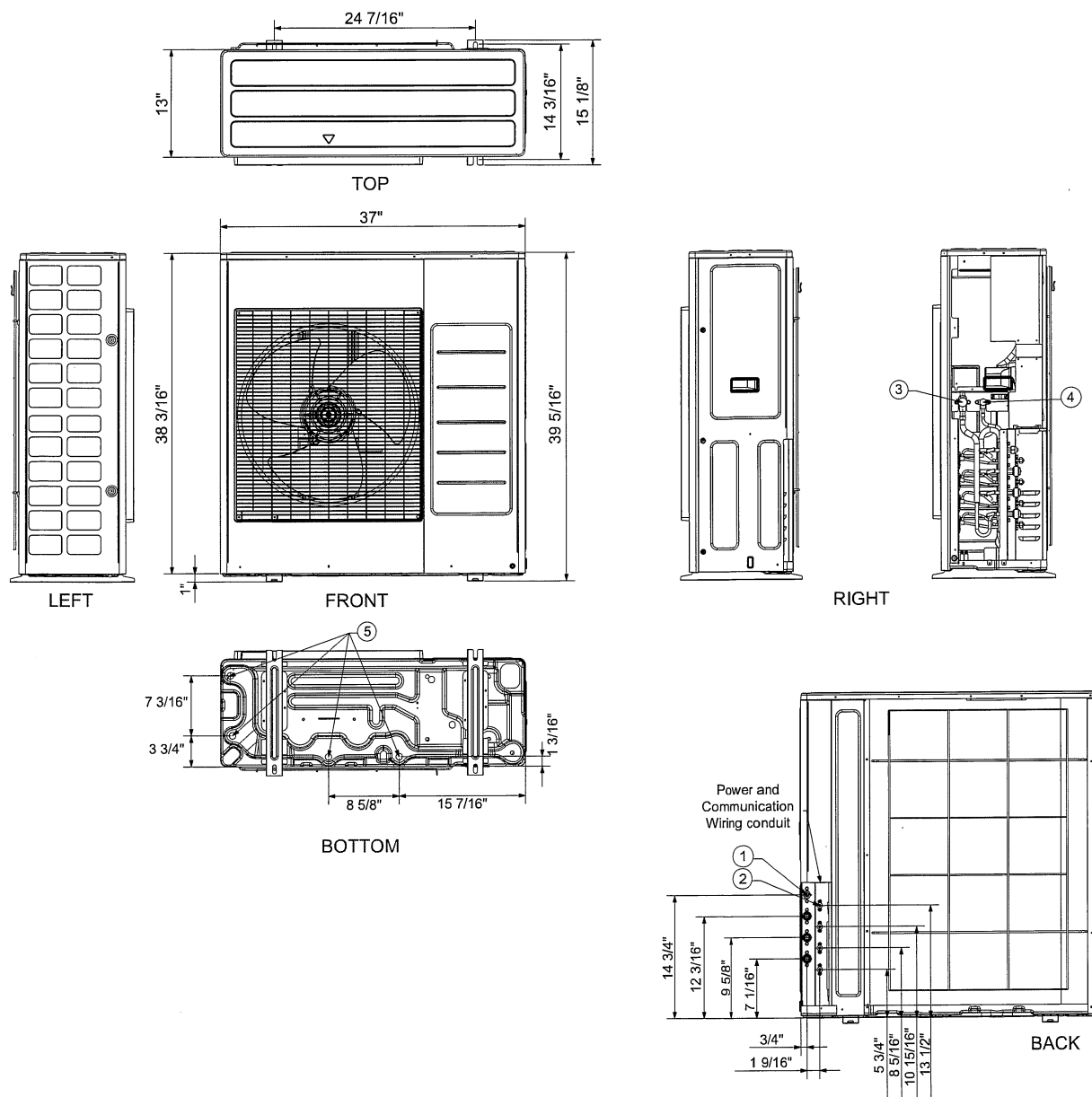
¹Performance data certified by AHRI to AHRI 210-240 (2017) with Addendum 1.

²Performance data certified by AHRI to AHRI 210-240 (2023). Effective January 1st, 2023.

³Rated current based on highest combination ratio of non-ducted indoor units.

This publication reflects both the 1987 Appendix M metric (SEER) and the 2023 Appendix M1 metric (SEER2). Efficiency requirements are published at 10 C.F.R. 430.32(c).

Please refer to www.AHRInet.org for more information about energy metrics.



No.	Name	Description
1	Refrigerant suction pipes	ø3/8" x 2, ø1/2" x 2
2	Refrigerant liquid pipes	ø1/4" x 4
3	Service Valve (suction)	5/8"
4	Service Valve (liquid)	3/8"
5	Drain holes	Connection with provided drain fitting

Indoor Unit Connection Options

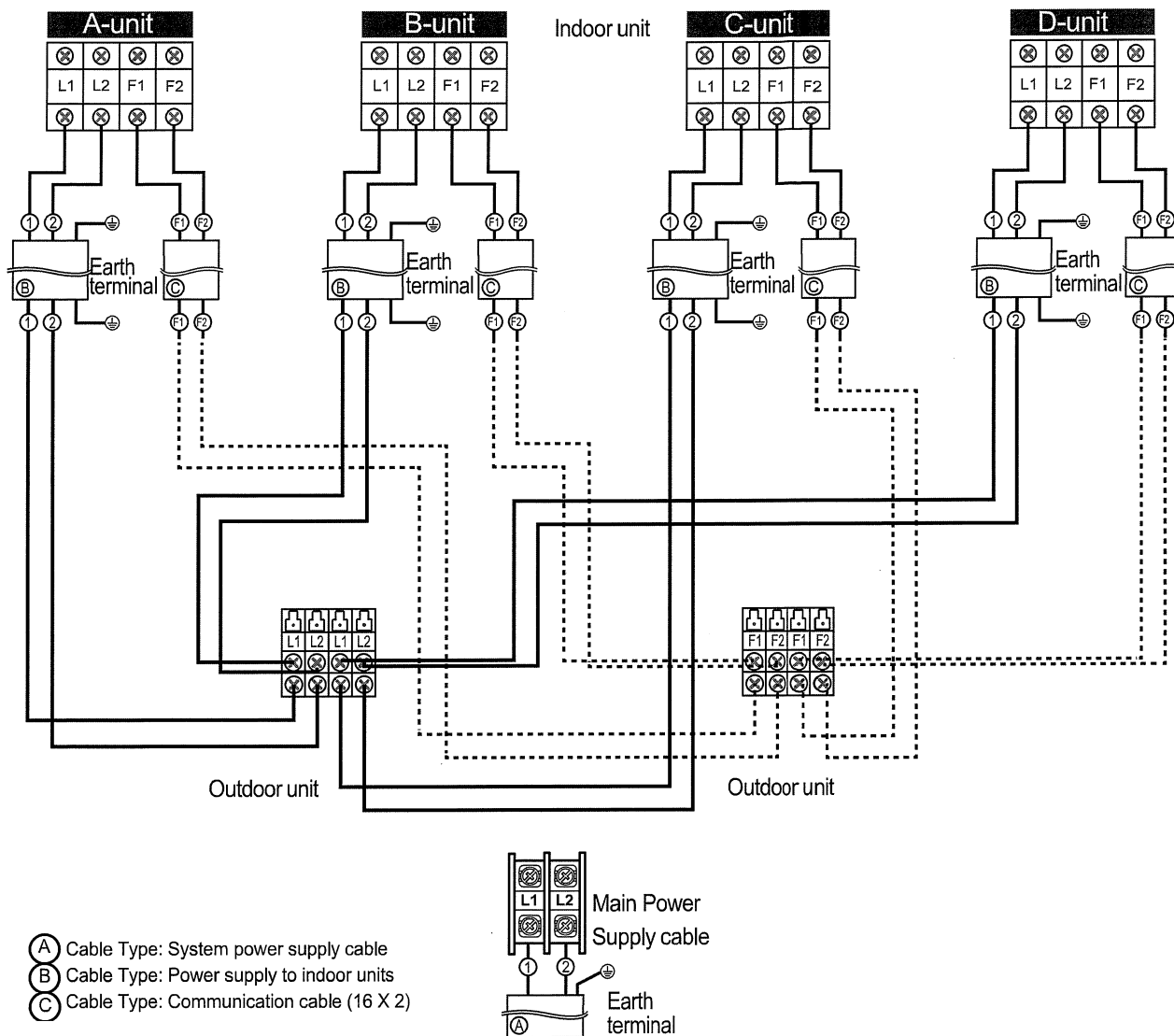
Unit Qty.	Indoor Nominal Capacity (K Btu/h)				Duct S / MPAH Compatibility*		Connected Capacity (K Btu/h)
	A	B	C	D	Duct S	MPAH	
2	7	7					14
	7	9			•		16
	7	12			•	•	19
	7	15			•		22
	7	18					25
	9	9			•		18
	9	12			•	•	21
	9	15			•		24
	9	18					27
	12	12			•	•	24
	12	15					27
	12	18					30
	15	15					30
3	7	7	7				21
	7	7	9		•		23
	7	7	12				26
	7	7	15				29
	7	7	18				32
	7	9	9				25
	7	9	12				28
	7	9	15				31
	7	12	12				31
	9	9	9				27
	9	9	12				30
4	7	7	7	7			28
	7	7	7	9			30
	7	7	9	9			32

* Combatale combination that includes 1 X MPAH (AC0**BNZDCH/AA) OR 1 X Duct S (AJ0**BNHDCH/AA) unit.

Notes

1. Only 1 X MPAH (AC0**BNZDCH/AA) OR 1 X Duct S (AJ0**BNHDCH/AA) unit can be connected to a single FJM outdoor unit.
2. Applies to outdoor units manufactured after 4/30/2022.
3. Refer to supporting technical data book (TDB) for indoor unit compatibility available at www.SamsungHVAC.com.

Basic Wire Connection Diagram



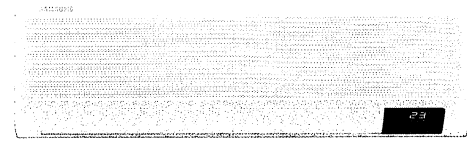
This simple wiring diagram is for reference only. Please refer to installation manuals for full details and requirements.

Job Name _____
Purchaser _____
Submitted to _____
Unit Designation _____

Location _____
Engineer _____
Reference ☐ Approval ☐ Construction ☐
Schedule # _____

Specifications

Model	US Code		RNS09ABT
	Model Number		AR09TSFABWKNCV
Performance	Nominal Capacity	Cooling (Btu/h)	9,000
		Heating (Btu/h)	11,000
Power	Voltage	Ø / V / Hz	1 / 208-230 / 60
	Operating Current (Max.)	Cooling (A)	0.4
		Heating (A)	0.4
Evaporator Fan	Type	BLDC motor with cross-flow fan	
	Consumption	Watts	27 X 1
	FLA	Amps	0.12
Airflow	Air Volume (L/M/H/Turbo)	Cooling (CFM)	258 / 298 / 337 / 364
		Heating (CFM)	289 / 329 / 369 / 396
Refrigerant	Type	R410A	
	Control Method	Electronic Expansion Valve (at outdoor unit)	
Pipe Connections	Indoor & Outdoor	High side (flare)	1/4"
		Low side (flare)	3/8"
Dimensions	W X H X D (in.)	Indoor Unit	35 X 11 3/4 X 8 7/16
	Weight (lbs.)	Indoor Unit	23.4
	Condensate Connection		11/16" OD
Sound Pressure Level	Low / High	dB(A)	23 / 38
Accessories	Wired Controllers ¹	Advanced	 MWR-WG00UN
		Simple Touch	 MWR-SH11UN
	Wired Controller Sub-PCB		 MIM-A00UN
	24VAC Thermostat Adapter ¹		 MIM-A60UN
	Condensate Pump	Aspen Mini Orange	 ASP-MO-UNIV 110-250
		Blue Diamond	 BD-BLUE-230
	External Temperature Sensor		 MRW-TA
	External Contact Control Interface Module ²		 MIM-B14
	Line sets - insulated and flared, interconnect cables included		 25' - ILS2506
			 50' - ILS5006
Safety Certifications			ETL (UL 1995)



General Information

- The indoor unit shall feature "Wind-Free™" mode*. In cooling mode, as room temperature nears set temperature, the unit will close its louver and will disperse air into the space through thousands of micro-holes on the front of the indoor unit preventing cold air drafts on occupants.
- The indoor unit shall have Wi-Fi capability as standard
- The indoor unit shall be powered by the outdoor unit

Construction

- Indoor unit chassis shall be UL94 V0 with a galvanized steel mounting bracket
- The indoor unit shall have easy-access to wire, pipe, and drain connections via access panel on the bottom of the unit for simple installation and service

Heat Exchanger

- The heat exchangers shall be mechanically bonded fin to copper tube

Indoor Fan

- The indoor fan shall be a single, antibacterial cross-flow type
- Three fan speed settings and auto setting
- Automatic (motorized) vertical swing (up/down) and horizontal swing (left/right) louvers

Controls

- The system shall have a built in Wi-Fi adapter as standard to allow control and monitoring using the Samsung SmartThings app (Android, iOS)
- Dual set temperature support when connected to MWR-WG00UN Advanced Wired Controller.
- The indoor unit shall have a simple connection for overflow detection devices or any other normally closed contact for simple unit shutdown
- The indoor unit shall ship with a wireless controller, holder, and batteries
- Wired controller options available
- Interconnect control wire between outdoor and indoor unit shall be 16AWG X 2

Convenience

- System energy consumption can be viewed using the Samsung SmartThings mobile app (not revenue grade, for reference only)
- Auto Clean Function
- 7-segment digital display on front of unit to display temperature and unit status
- Auto changeover
- Good sleep mode
- Quiet mode
- Dry mode
- Simple ON/OFF time function – Using the wireless controller specify the ON and/or OFF times
- Electro-static, washable, main filter as standard accessible from the top of unit
- Filter cleaning reminder

Compatibility

Will only operate with Samsung outdoor unit model numbers:
AR09TSFABWKXCV (RXS09ABT), AJ020TXJ2CH/AA (JXH20J2T),
AJ024TXJ3CH/AA (JXH24J3T), AJ036TXJ4CH/AA (JXH36J4T),
AJ048TXJ5CH/AA (JXH48J5T), AJ020TXS3CH/AA (JXH20S3T),
AJ024TXS4CH/AA (JXH24S4T), AJ030TXS4CH/AA (JXH30S4T),
AJ036TXS4CH/AA (JXH36S4T)

*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

¹ Sub-PCB model MIM-A00UN is required when connecting optional wired controllers or MIM-A60UN 24VAC thermostat adapter.

² When applying MIM-B14 external contact control interface module, MIM-A00UN wired controller sub-PCB is required.

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Technical drawing of the MOUNTING PLATE showing front, side, and top views with dimensions.

Front View Dimensions:

- Overall width: 35
- Overall height: 11 3/4
- Top flange height: 1 1/8
- Mounting hole diameter: $\varnothing 2.9/16"$
- Distance from left edge to mounting hole center: 9 5/8
- Distance between mounting hole centers: 15 5/8
- Distance from mounting hole center to right edge: 16 5/8
- Bottom flange height: 1 1/8
- Distance from left edge to bottom flange: 1 1/8

Side View Dimensions:

- Overall width: 35
- Overall height: 11 3/4
- Top flange height: 1 1/8
- Mounting hole diameter: $\varnothing 2.9/16"$
- Distance from left edge to mounting hole center: 9 5/8
- Distance between mounting hole centers: 15 5/8
- Distance from mounting hole center to right edge: 16 5/8
- Bottom flange height: 1 1/8
- Distance from left edge to bottom flange: 1 1/8

Top View Dimensions:

- Overall width: 35
- Overall height: 11 3/4
- Top flange height: 1 1/8
- Mounting hole diameter: $\varnothing 2.9/16"$
- Distance from left edge to mounting hole center: 9 5/8
- Distance between mounting hole centers: 15 5/8
- Distance from mounting hole center to right edge: 16 5/8
- Bottom flange height: 1 1/8
- Distance from left edge to bottom flange: 1 1/8

Mounting Plate Dimensions:

- Overall width: 35
- Overall height: 11 3/4
- Top flange height: 1 1/8
- Mounting hole diameter: $\varnothing 2.9/16"$
- Distance from left edge to mounting hole center: 9 5/8
- Distance between mounting hole centers: 15 5/8
- Distance from mounting hole center to right edge: 16 5/8
- Bottom flange height: 1 1/8
- Distance from left edge to bottom flange: 1 1/8

Samsung "Wind-Free™ 2.0", wall mounted evaporator

Job Name _____
Purchaser _____
Submitted to _____
Unit Designation _____

Location _____
Engineer _____
Reference ☐ Approval ☐ Construction ☐
Schedule # _____

Specifications

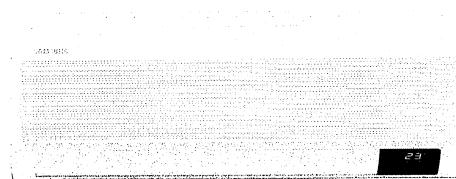
Model	US Code		RNS12ABT
	Model Number		AR12TSFABWKNVCV
Performance	Nominal Capacity	Cooling (Btu/h)	12,000
		Heating (Btu/h)	12,000
Power	Voltage	Ø / V / Hz	1 / 208-230 / 60
	Operating Current (Max.)	Cooling (A)	0.4
		Heating (A)	0.4
Evaporator Fan	Type	BLDC motor with cross-flow fan	
	Consumption	Watts	27 X 1
	FLA	Amps	0.12
Airflow	Air Volume (L/M/H/Turbo)	Cooling (CFM)	250 / 301 / 340 / 378
		Heating (CFM)	282 / 335 / 374 / 413
Refrigerant	Type	R410A	
	Control Method	Electronic Expansion Valve (at outdoor unit)	
Pipe Connections	Indoor & Outdoor	High side (flare)	1/4"
		Low side (flare)	3/8"
Dimensions	W X H X D (in.)	Indoor Unit	35 X 11 3/4 X 8 7/16
	Weight (lbs.)	Indoor Unit	23.4
	Condensate Connection		11/16" OD
Sound Pressure Level	Low / High	dB(A)	23 / 39
Accessories	Wired Controllers ¹	Advanced	☐ MWR-WG00UN
		Simple Touch	☐ MWR-SH11UN
	Wired Controller Sub-PCB		☐ MIM-A00UN
	24VAC Thermostat Adapter ¹		☐ MIM-A60UN
	Condensate Pump	Aspen Mini Orange	☐ ASP-MO-UNIV 110-250
		Blue Diamond	☐ BD-BLUE-230
	External Temperature Sensor		☐ MRW-TA
	External Contact Control Interface Module ²		☐ MIM-B14
	Line sets - insulated and flared, interconnect cables included		☐ 25' - ILS2506
			☐ 50' - ILS5006
Safety Certifications			ETL (UL 1995)

*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

¹ Sub-PCB model MIM-A00UN is required when connecting optional wired controllers or MIM-A60UN 24VAC thermostat adapter.

² When applying MIM-B14 external contact control interface module, MIM-A00UN wired controller sub-PCB is required.

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General Information

- The indoor unit shall feature "Wind-Free™" mode*. In cooling mode, as room temperature nears set temperature, the unit will close its louver and will disperse air into the space through thousands of micro-holes on the front of the indoor unit preventing cold air drafts on occupants.
- The indoor unit shall have Wi-Fi capability as standard
- The indoor unit shall be powered by the outdoor unit

Construction

- Indoor unit chassis shall be UL94 V0 with a galvanized steel mounting bracket
- The indoor unit shall have easy-access to wire, pipe, and drain connections via access panel on the bottom of the unit for simple installation and service

Heat Exchanger

- The heat exchangers shall be mechanically bonded fin to copper tube

Indoor Fan

- The indoor fan shall be a single, antibacterial cross-flow type
- Three fan speed settings and auto setting
- Automatic (motorized) vertical swing (up/down) and horizontal swing (left/right) louvers

Controls

- The system shall have a built in Wi-Fi adapter as standard to allow control and monitoring using the Samsung SmartThings app (Android, iOS)
- Dual set temperature support when connected to MWR-WG00UN Advanced Wired Controller.
- The indoor unit shall have a simple connection for overflow detection devices or any other normally closed contact for simple unit shutdown
- The indoor unit shall ship with a wireless controller, holder, and batteries
- Wired controller options available
- Interconnect control wire between outdoor and indoor unit shall be 16AWG X 2

Convenience

- System energy consumption can be viewed using the Samsung SmartThings mobile app (not revenue grade, for reference only)
- Auto Clean Function
- 7-segment digital display on front of unit to display temperature and unit status
- Auto changeover
- Good sleep mode
- Quiet mode
- Dry mode
- Simple ON/OFF time function – Using the wireless controller specify the ON and/or OFF times
- Electro-static, washable, main filter as standard accessible from the top of unit
- Filter cleaning reminder

Compatibility

Will only operate with Samsung outdoor unit model numbers: AR12TSFABWKXCV (RXS12ABT), AJ020TXJ2CH/AA (JXH20J2T), AJ024TXJ3CH/AA (JXH24J3T), AJ036TXJ4CH/AA (JXH36J4T), AJ048TXJ5CH/AA (JXH48J5T), AJ020TXS3CH/AA (JXH20S3T), AJ024TXS4CH/AA (JXH24S4T), AJ030TXS4CH/AA (JXH30S4T), AJ036TXS4CH/AA (JXH36S4T)

Samsung "Wind-Free™2.0", wall mounted evaporator
Indoor unit dimensional drawing

Unit: inches

