

GT Performance Series Geothermal Heat Pump Sizes 024, 036, 048, 060, 072



Product Data

FEATURES & BENEFITS



Energy Efficiency

- 3.8 - 4.7 COP, 18.5 - 32.0 EER (Closed Loop)
- 4.5 - 5.2 COP, 23.1 - 37.0 EER (Open Loop)
- Optional supplemental domestic water heating

Comfort

- Two-stage scroll compressor
- Variable speed blower motor

Control

- Microprocessor control
- Unit mounted display
- Comfort Alert
- Smart Start Assist

Sound

- Fully insulated cabinet with closed cell foam
- Compressor blanket

Reliability, Quality and Durability

- Puron® refrigerant
- Tin plated copper tubing in air coil

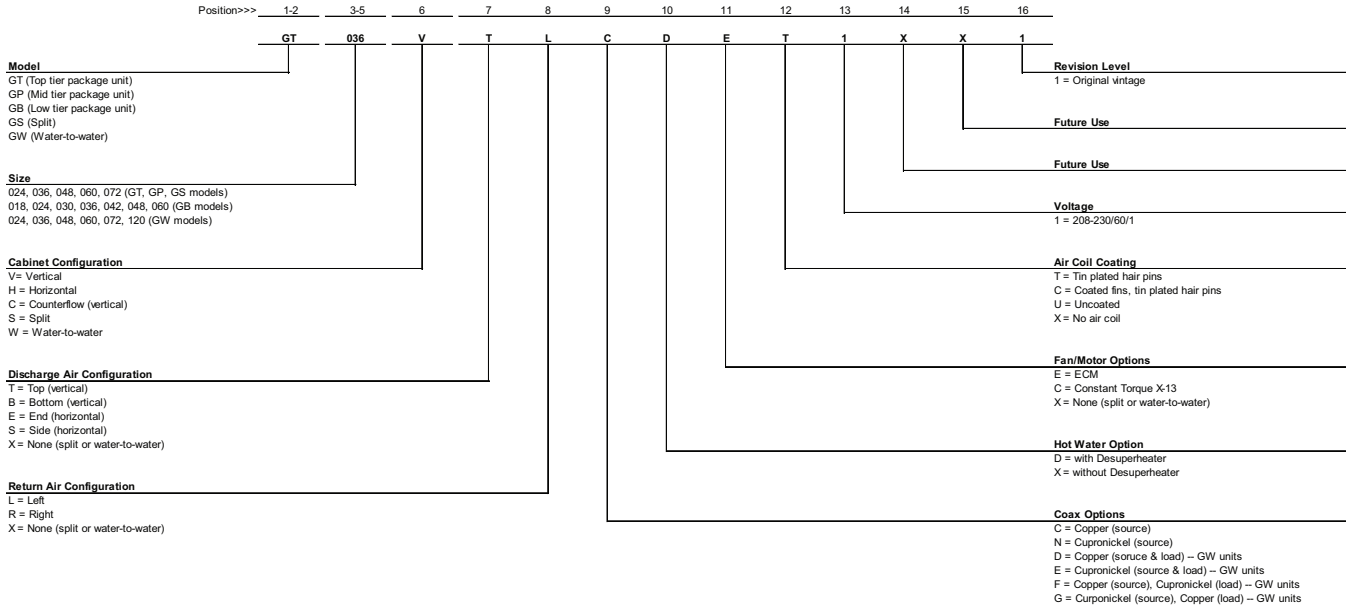
Flexibility and Installation

- Unit available in vertical up-flow, down-flow and horizontal
- Unit can be field converted from left to right or vice-versa
- Compatible with many 3 stage heat, 2 stage cooling programmable thermostats

Indoor Air Quality

- MERV 13, 2" filter

MODEL NUMBER NOMENCLATURE



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahrirectory.org.



ISO 9001
QMI-SAI Global



This product has been designed and manufactured to meet Energy Star® criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow all manufacturing refrigerant charging and air flow instructions. Failure to confirm proper charge and air flow may reduce energy efficiency and shorten equipment life.

AHRI RATINGS

Model	FULL LOAD											
	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
	Cooling 86°F		Heating 68°F		Cooling 59°F		Heating 50°F		Cooling 77°F		Heating 32°F	
	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
GT024	25500	17.4	29200	5.6	29000	26.5	23500	4.9	26600	19.9	18000	4.1
GT036	39000	19.0	42800	5.6	43300	28.0	35900	5.1	40800	22.0	28400	4.3
GT048	49200	16.6	56100	5.3	55300	25.3	46300	4.7	51300	19.3	36900	4.0
GT060	63800	17.0	73300	5.2	70200	24.4	60300	4.6	65100	18.9	48000	3.9
GT072	71600	16.3	84000	5.1	78700	23.1	70000	4.5	73700	18.5	55300	3.8

Model	PART LOAD											
	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
	Cooling 86°F		Heating 68°F		Cooling 59°F		Heating 50°F		Cooling 68°F		Heating 41°F	
	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
GT024	18500	18.9	21200	6.5	21700	33.6	16700	5.1	21000	28.1	14400	4.4
GT036	29000	22.2	31000	6.5	32600	37.0	25200	5.2	31900	32.0	22400	4.7
GT048	36700	18.9	40900	6.2	42000	33.8	33700	5.2	39900	27.8	29800	4.5
GT060	47500	18.7	53600	5.8	53300	31.2	44300	4.8	51600	26.5	39800	4.4
GT072	55200	17.8	64900	5.7	60800	28.5	52900	4.8	60300	25.4	46900	4.3

NOTE: Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory (www.ahrirectory.org) for the most up-to-date ratings information.

PHYSICAL DATA

Description	024	036	048	060	072
Compressor Type (Qty 1)	Scroll	Scroll	Scroll	Scroll	Scroll
Refrigeration Charge VT and CF (oz)	58	98	88	110	114
Refrigeration Charge HZ only (oz)	64	85	77	100	114
Max Water Working Pressure (PSIG/kPa)	450/3100	450/3100	450/3100	450/3100	450/3100
ECM Const Air Flow – Eon Fan Motor & Blower					
Fan Motor Type/Speeds	ECM Const Air Flow				
Fan Motor (HP)	0.33	0.75	0.75	1.00	1.00
Blower Wheel Size (Dia. x W)	10 X 8	11 X 9	11 X 9	11 X 11	11 X 11
Water Connection Size					
FPT	3/4"	1.0"	1.0"	1.0"	1.0"
Coaxial Coil Volume (gal)	0.33	1.18	0.62	1.07	1.12
Vertical Cabinet					
Air Coil Dimensions (H x W)	24 X 20	32 X 26	32 X 26	38 X 26	38 x 26
Nominal size of Standard Filter – 2" MERV11 (L x H)	24 X 24 (1)	16 X 30 (2)	16 X 30 (2)	20 X 30 (2)	20 X 30 (2)
Weight – Operating (lbs)	250	360	340	410	440
Weight – Shipping (lbs)	350	475	450	530	560
Horizontal Cabinet					
Air Coil Dimensions (H x W)	18 X 31.5	20 X 42	20 X 42	20 X 49	20 X 49
Nominal size of Standard Filter – 2" MERV11 (L x H)	18 X 18 (2)	20 X 24 (2)	20 X 24 (2)	18 X 20 (3)	18 X 20 (3)
Weight – Operating (lbs)	260	375	355	430	460

BLOWER PERFORMANCE DATA - VARIABLE SPEED CONSTANT CFM

Models	Fan Speed	Rated Airflow	Adjust	Tap	External Static Pressure (in of Water)									
					0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
024 – Part Load	Hi	725	+	A	725	725	725	725	725	725	725	725	–	–
	Med	650	Normal	A	650	650	650	650	650	650	650	650	–	–
	Low	500	–	A	500	500	500	500	500	500	500	500	–	–
024 – Full Load	Hi	950	+	A	950	950	950	950	950	950	950	950	–	–
	Med	825	Normal	A	825	825	825	825	825	825	825	825	–	–
	Low	725	–	A	725	725	725	725	725	725	725	725	–	–
036 – Part Load	Hi	950	+	A	950	950	950	950	950	950	950	950	950	950
	Med	800	Normal	A	800	800	800	800	800	800	800	800	800	800
	Low	750	–	A	750	750	750	750	750	750	750	750	750	750
036 – Full Load	Hi	1300	+	A	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300
	Med	1100	Normal	A	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
	Low	950	–	A	950	950	950	950	950	950	950	950	950	950
048 – Part Load	Hi	1400	+	A	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
	Med	1300	Normal	A	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300
	Low	1100	–	A	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
048 – Full Load	Hi	1800	+	A	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
	Med	1600	Normal	A	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
	Low	1400	–	A	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
060 – Part Load	Hi	1800	+	A	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
	Med	1600	Normal	A	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
	Low	1400	–	A	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
060 – Full Load	Hi	2200	+	A	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
	Med	2000	Normal	A	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
	Low	1800	–	A	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
072 – Part Load	Hi	2100	+	A	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
	Med	1850	Normal	A	1850	1850	1850	1850	1850	1850	1850	1850	1850	1850
	Low	1600	–	A	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
072 – Full Load	Hi	2500	+	A	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
	Med	2350	Normal	A	2350	2350	2350	2350	2350	2350	2350	2350	2350	2350
	Low	2100	–	A	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100

ELECTRICAL DATA

Model	Voltage Code	Rated Voltage	Voltage Min/Max	Compressor			Total Unit ECM Const Torque motor (Standard)			Total Unit ECM Const Air Flow motor (Option)		
				QTY	RLA	LRA	FLA	Min Circuit Amps	Max Fuse/HACR	FLA	Min Circuit Amps	Max Fuse/HACR
GT024	1	208-230/60/1	197/253	1	11.7	58.3	2.8	17.4	25	2.8	17.4	25
GT036	1	208-230/60/1	197/253	1	15.3	83.0	6.0	25.1	40	6.8	25.9	40
GT048	1	208-230/60/1	197/253	1	21.2	104.0	6.0	32.4	50	6.8	33.2	50
GT060	1	208-230/60/1	197/253	1	27.1	152.9	7.6	41.5	60	9.1	43.0	70
GT072	1	208-230/60/1	197/253	1	29.7	179.2	7.6	44.7	70	9.1	46.2	70

ELECTRICAL DATA - UNITS W/EH OPTION - COMPRESSOR POWER CONNECTION

Model	Voltage Code	Rated Voltage	Voltage Min/Max	Compressor				
				QTY	RLA	LRA	Min Circuit Amps	Max Fuse/ HACR
GT024	1	208-230/60/1	197/253	1	11.7	58.3	14.6	25
GT036	1	208-230/60/1	197/253	1	15.3	83.0	19.1	30
GT048	1	208-230/60/1	197/253	1	21.2	104.0	26.5	45
GT060	1	208-230/60/1	197/253	1	27.1	152.9	33.9	60
GT072	1	208-230/60/1	197/253	1	29.7	179.2	37.1	60

ELECTRICAL DATA - UNITS W/EH - CONSTANT AIRFLOW ECM

Model	EH Rate kW	Stage	Heater Watts		Heater AMPS		Motor FLA (A)	Circuit Fuses	MCA		MOP	
			240	208	240V	208V			240V	208V	240V	208V
GT024	4.8	1	4,800	3,600	20.0	17.3	2.8	-	28.5	25.1	30	30
GT036	4.8	1	4,800	3,600	20.0	17.3	6.8	-	33.5	30.1	35	35
GT036	9.6	1	9,600	7,200	40.0	34.6	6.8	-	58.5	51.8	60	60
GT048	4.8	1	4,800	3,600	20.0	17.3	6.8	-	33.5	30.1	35	35
GT048	9.6	1	9,600	7,200	40.0	34.6	6.8	-	58.5	51.8	60	60
GT048	14.4	2	14400	10800	60	51.9	6.8	F1/F2	83.5	73.4	90	80
								F3/F4				
GT060	4.8	1	4,800	3,600	20.0	17.3	9.1	-	36.4	33.0	40	35
GT060	9.6	1	9,600	7,200	40.0	34.6	9.1	-	61.4	54.6	70	60
GT060	14.4	2	14400	10800	60	51.9	9.1	F1/F2	86.4	76.3	90	80
								F3/F4				
GT060	19.2	2	19200	14000	80	69.2	9.1	F1/F2	111.4	97.9	125	100
							F3/F4					
GT072	4.8	1	4,800	3,600	20.0	17.3	9.1	-	36.4	33.0	40	35
GT072	9.6	1	9,600	7,200	40.0	34.6	9.1	-	61.4	54.6	70	60
GT072	14.4	2	14400	10800	60	51.9	9.1	F1/F2	86.4	76.3	90	80
								F3/F4				
GT072	19.2	2	19200	14000	80	69.2	9.1	F1/F2	111.4	97.9	125	100
								F3/F4				

ACCESSORIES

Factory Installed Options

- Cupro-nickel Coil - Recommended in conditions anticipating moderate scale formation or in brackish water.
- Domestic Hot Water Heat Recovery Package: - Used to heat domestic hot water using the wasted heat from the hot compressed gas of the compressor.
- Dehumidification: - Lowers the humidity in your home allowing you to turn up the thermostat in the summer.
- SmartStart: - A factory installed start-up device that improves efficiency as much as 65% and helps reduce wear and tear on the compressor during start-up.

Field Installed Accessories

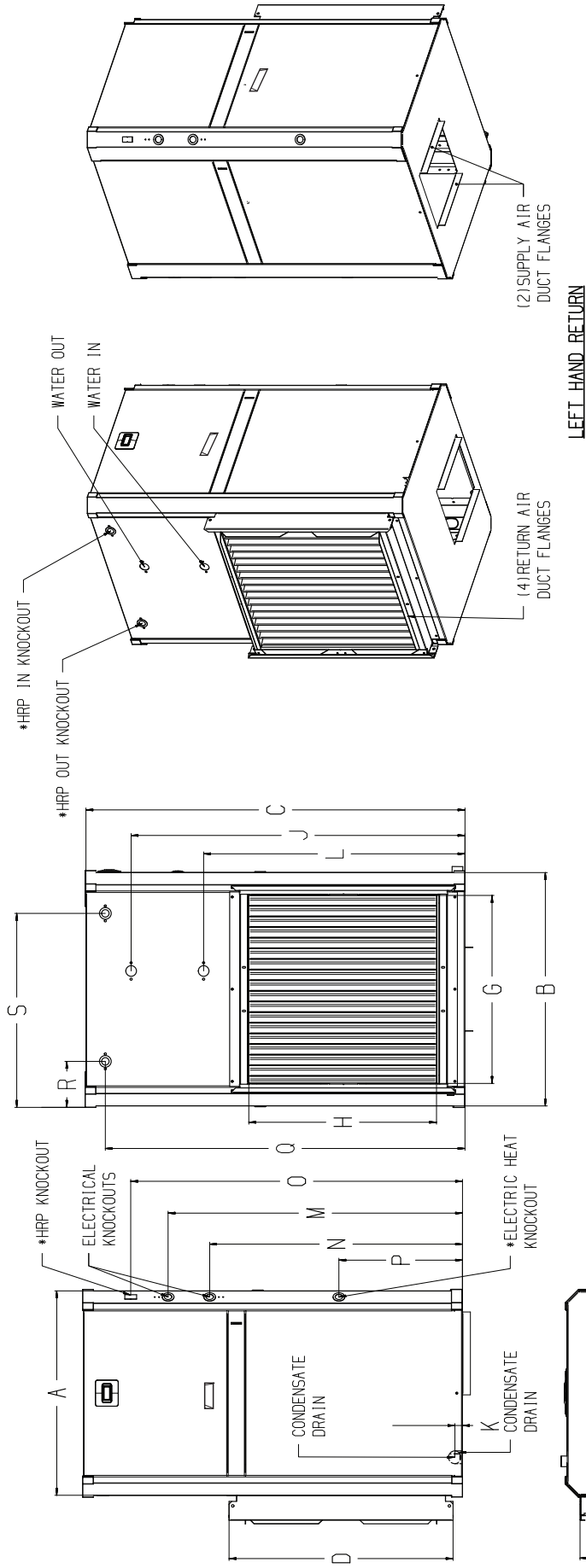
- Thermostats - Compatible with many 3 heat, 2 cool heat pump thermostats.
- Internal Electric Heat - Choices include 5, 10, 15, or 20 kilowatt back up or an emergency heater depending on the size of the geothermal heat pump.

AUXILIARY HEATER MATCH-UP

Heater Model	kW		Stages	Btu/h		Product Series Compatibility				
	208V	230V		208V	230V	GT024	GT036	GTT048	GT060	GT072
KWAEH0101N10	7.2	9.6	1	24600	32700	X	X	X	X	X
KWAEH0101F15	10.8	14.4	1	36900	49100		X	X	X	X
KWAEH0101F20	14.4	19.2	1	49200	63400			X	X	X
X = Compatible										

DIMENSIONS - VERTICAL BOTTOM DISCHARGE (COUNTERFLOW)

MODEL	A WIDTH	B DEPTH	C HEIGHT	D FILTER RACK		E WIDTH	F DEPTH	G RETURN AIR DUCT WIDTH	H RETURN AIR DUCT HEIGHT	J WATER OUT	K DRAIN PORT	L WATER IN	M ELECTRICAL KNOCKOUT	N HRP KNOCKOUT	O HEATER KNOCKOUT	P HRP KNOCKOUT	Q HRP CONNECTIONS**	R S	T U	V SUPPLY AIR DUCT OPENING	W W	WATER CONNECTIONS	FILTER SIZE		
				HEIGHT	DEPTH																				
GT024-CF	24.0	27.4	44.4	26.3	24.3	3.3	3.3	22.2	22.5	39.4	1.0	30.9	34.5	29.6	38.9	5.5	42.2	5.4	18.4	8.7	10.0	1.9	10.8	3/4" F.P.T.	24x24x2(1)
GT036-CF	25.8	33.4	52.4	34.3	30.4	3.3	3.3	28.2	30.5	44.8	1.0	38.8	42.5	37.6	46.9	5.5	50.1	5.1	26.5	10.8	11.7	1.9	13.0	1" F.P.T.	16x30x2(2)
GT048-CF	25.8	33.4	52.4	34.3	30.4	3.3	3.3	28.2	30.5	44.8	1.0	38.8	42.5	37.6	46.9	5.5	50.1	5.1	26.5	10.8	11.7	1.9	13.0	1" F.P.T.	16x30x2(2)
GT060-CF	27.0	33.4	61.8	42.3	30.3	3.3	3.3	28.3	38.6	51.4	0.8	45.3	51.9	47.0	56.3	14.5	59.6	5.5	28.2	9.6	14.2	1.9	13.0	1" F.P.T.	20x30x2(2)
GT072-CF	27.0	33.4	61.8	42.3	30.3	3.3	3.3	28.3	38.6	51.4	0.8	45.3	51.9	47.0	56.3	14.5	59.6	5.5	28.2	9.6	14.2	1.9	13.0	1" F.P.T.	20x30x2(2)



- NOTES**
- *HRP AND ELECTRIC HEAT ARE OPTIONAL FEATURES
 - **HRP WATER CONNECTIONS - 1/2" F.P.T.
 - ALL DIMENSIONS WITHIN +/- 0.125"
 - RETURN AIR & SUPPLY AIR DUCT FLANGES SHIPPED UNFOLDED
 - ALL DIMENSIONS ARE IN INCHES
 - SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

GT024 HEATING PERFORMANCE - PART LOAD

GT024 Heating performance – PART LOAD @ 650CFM								
Entering Water, °F	Water flow, GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Ent. Air °F	Total Btu/hr.	Ht. Abs. Btu/hr.	Unit kW	COP
30	3	1.9	0.8	60	12.8	9.7	1.01	3.7
				70	12.4	8.9	1.13	3.2
				80	12.1	8.1	1.26	2.8
	4	3.2	1.4	60	13.2	10.0	1.01	3.8
				70	12.7	9.2	1.13	3.3
				80	12.3	8.4	1.26	2.9
	6	6.6	2.9	60	13.6	10.4	1.02	3.9
				70	13.1	9.5	1.14	3.4
				80	12.7	8.7	1.27	2.9
40	3	1.8	0.8	60	14.8	11.6	1.03	4.2
				70	14.4	10.8	1.15	3.7
				80	14.0	9.9	1.28	3.2
	4	3.1	1.3	60	15.3	12.0	1.03	4.4
				70	14.9	11.1	1.15	3.8
				80	14.3	10.3	1.28	3.3
	6	6.4	2.8	60	15.7	12.5	1.03	4.5
				70	15.3	11.5	1.15	3.9
				80	14.7	10.7	1.29	3.4
50	3	1.8	0.8	60	16.9	13.7	1.04	4.8
				70	16.4	12.7	1.16	4.2
				80	16.0	11.9	1.29	3.6
	4	3	1.3	60	17.5	14.2	1.04	5.0
				70	16.9	13.2	1.16	4.3
				80	16.5	12.3	1.30	3.7
	6	6.1	2.6	60	18.0	14.7	1.04	5.1
				70	17.4	13.7	1.16	4.4
				80	17.0	12.8	1.30	3.8
60	3	1.7	0.7	60	19.1	15.8	1.04	5.4
				70	18.5	14.8	1.17	4.7
				80	18.1	13.9	1.31	4.1
	4	2.9	1.3	60	19.7	16.4	1.04	5.6
				70	19.1	15.4	1.17	4.8
				80	18.6	14.4	1.31	4.2
	6	5.9	2.6	60	20.4	17.1	1.04	5.8
				70	19.7	16.0	1.17	5.0
				80	19.1	14.9	1.31	4.3
70	3	1.6	0.7	60	21.3	18.0	1.04	6.0
				70	20.7	17.0	1.17	5.2
				80	20.1	15.9	1.32	4.5
	4	2.8	1.2	60	22.0	18.7	1.04	6.2
				70	21.3	17.6	1.17	5.3
				80	20.7	16.5	1.32	4.6
	6	5.7	2.5	60	22.8	19.5	1.04	6.4
				70	22.0	18.3	1.17	5.5
				80	21.4	17.1	1.32	4.7
80	3	1.6	0.7	60	23.5	20.3	1.04	6.7
				70	22.9	19.2	1.17	5.8
				80	22.3	18.0	1.32	4.9
	4	2.7	1.2	60	24.4	21.1	1.03	6.9
				70	23.6	19.9	1.17	5.9
				80	22.9	18.7	1.32	5.1
	6	5.5	2.4	60	25.2	22.1	1.03	7.2
				70	24.4	20.8	1.16	6.2
				80	23.7	19.5	1.32	5.3

GT024 HEATING PERFORMANCE - FULL LOAD

GT024 Heating performance – Full Load @ 825CFM								
Entering Water, °F	Water flow, GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Ent. Air °F	Total Btu/hr.	Ht. Abs. Btu/hr.	Unit kW	COP
30	3	1.9	0.8	60	18.1	13.6	1.38	3.8
				70	17.7	12.7	1.52	3.4
				80	17.4	11.8	1.67	3.0
	4	3.2	1.4	60	18.7	14.1	1.39	3.9
				70	18.2	13.2	1.53	3.5
				80	17.9	12.2	1.68	3.1
	6	6.6	2.9	60	19.4	14.7	1.41	4.0
				70	18.8	13.8	1.54	3.6
				80	18.4	12.7	1.69	3.2
40	3	1.8	0.8	60	20.5	15.8	1.43	4.2
				70	20.0	14.8	1.57	3.7
				80	19.6	13.9	1.72	3.3
	4	3.1	1.3	60	21.2	16.5	1.44	4.3
				70	20.7	15.5	1.58	3.8
				80	20.2	14.5	1.74	3.4
	6	6.4	2.8	60	22.1	17.3	1.46	4.4
				70	21.5	16.2	1.60	3.9
				80	20.9	15.2	1.75	3.5
50	3	1.8	0.8	60	23.1	18.2	1.48	4.6
				70	22.6	17.2	1.62	4.1
				80	22.2	16.2	1.78	3.6
	4	3	1.3	60	24.0	19.1	1.50	4.7
				70	23.4	18.0	1.64	4.2
				80	23.0	16.8	1.80	3.7
	6	6.1	2.6	60	25.1	20.0	1.52	4.8
				70	24.4	18.9	1.66	4.3
				80	23.8	17.7	1.82	3.8
60	3	1.7	0.7	60	25.9	20.8	1.54	4.9
				70	25.3	19.8	1.68	4.4
				80	24.9	18.6	1.84	4.0
	4	2.9	1.3	60	27.0	21.9	1.56	5.1
				70	26.3	20.8	1.70	4.5
				80	25.8	19.5	1.85	4.1
	6	5.9	2.6	60	28.2	23.1	1.58	5.2
				70	27.5	21.8	1.72	4.7
				80	26.8	20.5	1.87	4.2
70	3	1.6	0.7	60	28.9	23.6	1.59	5.3
				70	28.2	22.5	1.73	4.8
				80	27.6	21.3	1.89	4.3
	4	2.8	1.2	60	30.1	24.8	1.61	5.5
				70	29.4	23.7	1.75	4.9
				80	28.7	22.3	1.91	4.4
	6	5.7	2.5	60	31.6	26.2	1.63	5.7
				70	30.7	24.9	1.78	5.1
				80	29.9	23.4	1.93	4.5
80	3	1.6	0.7	60	31.9	26.5	1.64	5.7
				70	31.1	25.3	1.78	5.1
				80	30.5	24.0	1.94	4.6
	4	2.7	1.2	60	33.4	27.9	1.66	5.9
				70	32.5	26.6	1.81	5.3
				80	31.7	25.1	1.97	4.7
	6	5.5	2.4	60	35.0	29.5	1.69	6.1
				70	34.0	28.0	1.83	5.4
				80	33.1	26.4	2.00	4.9

GT024 COOLING PERFORMANCE - PART LOAD

GT024 Cooling performance – PART LOAD @ 650 CFM									
Entering Water °F	Water flow GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Cooling					
				Ent. Air db/wb, °F	Total Btu/hr.	Sensible Btu/hr.	Ht. Rej. Btu/hr.	Unit kW	EER
50	3	1.7	0.7	75/63	20.0	15.8	22.5	0.77	25.8
				80/67	21.3	16.3	23.8	0.76	27.8
				85/71	22.7	16.7	25.1	0.76	30.0
	4	2.9	1.3	75/63	20.4	16.0	22.8	0.74	27.4
				80/67	21.8	16.5	24.1	0.73	29.7
				85/71	23.1	16.9	25.5	0.72	31.9
	6	5.9	2.6	75/63	20.8	16.1	23.1	0.71	29.1
				80/67	22.2	16.7	24.5	0.70	31.5
				85/71	23.7	17.1	26.0	0.69	34.2
60	3	1.6	0.7	75/63	19.0	15.4	21.7	0.86	22.1
				80/67	20.3	15.9	22.9	0.85	23.9
				85/71	21.5	16.3	24.2	0.84	25.5
	4	2.8	1.2	75/63	19.4	15.6	22.0	0.82	23.5
				80/67	20.7	16.1	23.3	0.81	25.4
				85/71	22.0	16.5	24.6	0.80	27.3
	6	5.7	2.5	75/63	19.8	15.7	22.3	0.79	24.9
				80/67	21.1	16.2	23.6	0.78	27.0
				85/71	22.5	16.7	25.0	0.77	29.3
70	3	1.6	0.7	75/63	18.0	15.0	21.0	0.96	18.7
				80/67	19.2	15.5	22.2	0.95	20.1
				85/71	20.4	16.0	23.4	0.94	21.6
	4	2.7	1.2	75/63	18.3	15.1	21.2	0.92	19.8
				80/67	19.6	15.6	22.4	0.91	21.4
				85/71	20.8	16.1	23.7	0.90	23.0
	6	5.5	2.4	75/63	18.7	15.3	21.5	0.89	21.0
				80/67	20.0	15.8	22.8	0.87	22.8
				85/71	21.3	16.3	24.0	0.86	24.7
80	3	1.5	0.7	75/63	17.0	14.5	20.2	1.08	15.8
				80/67	18.1	15.1	21.4	1.07	16.9
				85/71	19.2	15.6	22.5	1.06	18.1
	4	2.6	1.1	75/63	17.3	14.7	20.5	1.04	16.6
				80/67	18.4	15.2	21.6	1.03	17.9
				85/71	19.6	15.7	22.8	1.02	19.2
	6	5.4	2.3	75/63	17.6	14.8	20.7	1.00	17.6
				80/67	18.9	15.3	21.9	0.99	19.1
				85/71	20.1	15.9	23.1	0.97	20.6
85	3	1.5	0.7	75/63	16.4	14.3	19.9	1.14	14.3
				80/67	17.5	14.8	21.0	1.14	15.4
				85/71	18.7	15.3	22.2	1.13	16.5
	4	2.5	1.1	75/63	16.7	14.4	20.1	1.10	15.1
				80/67	17.9	15.0	21.2	1.09	16.3
				85/71	19.1	15.5	22.4	1.08	17.6
	6	5.3	2.3	75/63	17.1	14.6	20.3	1.06	16.1
				80/67	18.2	15.1	21.5	1.05	17.3
				85/71	19.5	15.7	22.7	1.04	18.8
90	3	1.5	0.7	75/63	15.9	14.1	19.5	1.21	13.1
				80/67	17.0	14.6	20.6	1.21	14.1
				85/71	18.0	15.2	21.7	1.20	15.0
	4	2.5	1.1	75/63	16.2	14.2	19.7	1.17	13.8
				80/67	17.3	14.7	20.9	1.16	14.9
				85/71	18.5	15.2	22.0	1.15	16.0
	6	5.2	2.3	75/63	16.5	14.3	19.9	1.13	14.6
				80/67	17.7	14.9	21.1	1.12	15.8
				85/71	18.9	15.4	22.3	1.11	17.1
100	3	1.4	0.6	75/63	14.8	13.6	18.9	1.36	10.8
				80/67	15.8	14.2	19.9	1.36	11.6
				85/71	16.8	14.8	21.0	1.35	12.4
	4	2.4	1.0	75/63	15.1	13.7	19.0	1.32	11.4
				80/67	16.1	14.3	20.1	1.31	12.2
				85/71	17.2	14.9	21.2	1.31	13.1
	6	5	2.2	75/63	15.3	13.9	19.2	1.28	11.9
				80/67	16.5	14.4	20.3	1.27	13.0
				85/71	17.6	15.0	21.5	1.26	14.0
110	3	1.4	0.6	75/63	13.7	13.2	18.3	1.53	8.9
				80/67	14.6	13.8	19.2	1.53	9.5
				85/71	15.6	14.3	20.3	1.53	10.2
	4	2.4	1.0	75/63	13.9	13.3	18.4	1.49	9.3
				80/67	14.9	13.9	19.4	1.48	10.0
				85/71	15.9	14.5	20.4	1.48	10.7
	6	4.9	2.1	75/63	14.2	13.4	18.5	1.45	9.8
				80/67	15.2	14.0	19.6	1.44	10.5
				85/71	16.3	14.5	20.7	1.43	11.4

GT024 COOLING PERFORMANCE - FULL LOAD

GT024 Cooling performance – Full Load @ 825CFM									
Entering Water °F	Water flow GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Cooling					
				Ent. Air db/wb, °F	Total Btu/hr.	Sensible Btu/hr.	Ht. Rej. Btu/hr.	Unit kW	EER
50	3	1.7	0.7	75/63	27.1	20.7	31.3	1.27	21.4
				80/67	28.8	21.2	33.1	1.29	22.4
				85/71	30.5	21.8	34.9	1.30	23.4
	4	2.9	1.3	75/63	27.8	21.0	31.8	1.21	23.1
				80/67	29.5	21.6	33.6	1.22	24.2
				85/71	31.4	22.1	35.6	1.24	25.4
	6	5.9	2.6	75/63	28.5	21.3	32.3	1.14	25.1
				80/67	30.3	21.9	34.2	1.15	26.3
				85/71	32.3	22.4	36.2	1.16	27.8
60	3	1.6	0.7	75/63	25.9	20.1	30.4	1.38	18.8
				80/67	27.5	20.8	32.0	1.40	19.7
				85/71	29.2	21.3	33.9	1.42	20.7
	4	2.8	1.2	75/63	26.5	20.4	30.9	1.32	20.1
				80/67	28.2	21.0	32.6	1.34	21.1
				85/71	30.0	21.6	34.5	1.35	22.2
	6	5.7	2.5	75/63	27.2	20.7	31.3	1.26	21.6
				80/67	29.0	21.3	33.2	1.27	22.8
				85/71	30.9	21.9	35.1	1.28	24.1
70	3	1.6	0.7	75/63	24.6	19.6	29.4	1.50	16.5
				80/67	26.2	20.2	31.1	1.52	17.3
				85/71	27.8	20.8	32.7	1.53	18.2
	4	2.7	1.2	75/63	25.2	19.9	29.9	1.44	17.6
				80/67	26.8	20.5	31.6	1.46	18.4
				85/71	28.6	21.0	33.4	1.47	19.5
	6	5.5	2.4	75/63	25.9	20.1	30.4	1.38	18.8
				80/67	27.5	20.8	32.1	1.39	19.8
				85/71	29.3	21.4	33.9	1.40	20.9
80	3	1.5	0.7	75/63	23.3	19.1	28.5	1.63	14.4
				80/67	24.8	19.7	30.1	1.65	15.1
				85/71	26.3	20.2	31.7	1.66	15.9
	4	2.6	1.1	75/63	23.9	19.3	28.9	1.57	15.3
				80/67	25.4	19.9	30.5	1.58	16.1
				85/71	27.1	20.5	32.3	1.60	17.0
	6	5.4	2.3	75/63	24.5	19.5	29.4	1.51	16.3
				80/67	26.1	20.2	31.0	1.52	17.2
				85/71	27.8	20.8	32.8	1.53	18.2
85	3	1.5	0.7	75/63	22.7	18.8	28.1	1.70	13.4
				80/67	24.1	19.4	29.6	1.72	14.1
				85/71	25.6	20.1	31.1	1.73	14.8
	4	2.5	1.1	75/63	23.2	19.1	28.4	1.64	14.2
				80/67	24.7	19.6	30.0	1.65	15.0
				85/71	26.3	20.2	31.7	1.67	15.8
	6	5.3	2.3	75/63	23.8	19.3	28.9	1.57	15.2
				80/67	25.4	19.9	30.5	1.59	16.0
				85/71	27.1	20.5	32.3	1.60	17.0
90	3	1.5	0.7	75/63	22.0	18.6	27.6	1.77	12.4
				80/67	23.4	19.1	29.1	1.79	13.1
				85/71	24.9	19.7	30.7	1.81	13.8
	4	2.5	1.1	75/63	22.6	18.7	28.0	1.71	13.2
				80/67	24.0	19.4	29.5	1.73	13.9
				85/71	25.5	20.0	31.1	1.74	14.7
	6	5.2	2.3	75/63	23.1	19.0	28.3	1.65	14.1
				80/67	24.6	19.6	30.0	1.66	14.8
				85/71	26.3	20.2	31.7	1.67	15.8
100	3	1.4	0.6	75/63	20.6	18.0	26.8	1.94	10.6
				80/67	22.0	18.7	28.2	1.96	11.3
				85/71	23.4	19.3	29.7	1.97	11.9
	4	2.4	1.0	75/63	21.1	18.2	27.1	1.88	11.3
				80/67	22.5	18.9	28.6	1.89	11.9
				85/71	24.0	19.5	30.1	1.90	12.7
	6	5	2.2	75/63	21.7	18.4	27.4	1.81	12.0
				80/67	23.2	19.0	29.0	1.82	12.8
				85/71	24.6	19.7	30.5	1.83	13.5
110	3	1.4	0.6	75/63	19.3	17.5	26.0	2.14	9.1
				80/67	20.6	18.2	27.4	2.15	9.6
				85/71	22.0	18.7	28.9	2.17	10.2
	4	2.4	1.0	75/63	19.8	17.7	26.3	2.07	9.6
				80/67	21.1	18.3	27.7	2.08	10.2
				85/71	22.5	19.0	29.2	2.09	10.8
	6	4.9	2.1	75/63	20.2	17.9	26.5	2.00	10.1
				80/67	21.7	18.5	28.1	2.00	10.9
				85/71	23.2	19.1	29.6	2.01	11.6

GT036 HEATING PERFORMANCE - PART LOAD

GT036 Heating performance – PART LOAD @ 800CFM								
Entering Water, °F	Water flow, GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Ent. Air °F	Total Btu/hr.	Ht. Abs. Btu/hr.	Unit kW	COP
30	4.5	3.5	1.5	60	18.4	13.6	1.46	3.7
				70	18.0	12.6	1.65	3.2
				80	17.7	11.5	1.86	2.8
	6	6	2.6	60	18.9	14.0	1.47	3.8
				70	18.4	12.9	1.65	3.3
				80	18.0	11.7	1.87	2.8
	9	12.4	5.4	60	19.3	14.5	1.47	3.8
				70	18.9	13.4	1.65	3.3
				80	18.3	12.4	1.87	2.9
40	4.5	3.4	1.5	60	21.3	16.4	1.48	4.2
				70	20.8	15.3	1.67	3.7
				80	20.4	14.1	1.88	3.2
	6	5.7	2.5	60	21.9	17.0	1.49	4.3
				70	21.3	15.8	1.67	3.7
				80	20.8	14.6	1.89	3.2
	9	11.9	5.2	60	22.5	17.6	1.49	4.4
				70	21.9	16.3	1.68	3.8
				80	21.4	15.1	1.89	3.3
50	4.5	3.3	1.4	60	24.4	19.5	1.50	4.8
				70	23.8	18.2	1.69	4.1
				80	23.4	17.0	1.91	3.6
	6	5.5	2.4	60	25.1	20.2	1.51	4.9
				70	24.4	18.8	1.70	4.2
				80	23.9	17.5	1.92	3.6
	9	11.5	5.0	60	25.9	20.9	1.51	5.0
				70	25.1	19.5	1.70	4.3
				80	24.6	18.1	1.92	3.7
60	4.5	3.2	1.4	60	27.6	22.6	1.52	5.3
				70	26.9	21.2	1.72	4.6
				80	26.4	19.8	1.94	4.0
	6	5.4	2.3	60	28.5	23.5	1.52	5.5
				70	27.7	22.0	1.72	4.7
				80	27.0	20.5	1.95	4.0
	9	11.1	4.8	60	29.4	24.4	1.53	5.6
				70	28.5	22.8	1.73	4.8
				80	27.8	21.3	1.96	4.2
70	4.5	3.1	1.3	60	30.9	25.9	1.54	5.9
				70	30.0	24.3	1.74	5.0
				80	29.6	22.6	1.98	4.4
	6	5.2	2.3	60	31.9	26.9	1.54	6.1
				70	31.0	25.3	1.75	5.2
				80	30.3	23.6	1.99	4.5
	9	10.7	4.6	60	33.0	28.0	1.55	6.3
				70	32.0	26.3	1.76	5.3
				80	31.2	24.4	2.00	4.6
80	4.5	3	1.3	60	34.2	29.0	1.55	6.5
				70	33.2	27.6	1.77	5.5
				80	32.8	25.8	2.02	4.8
	6	5	2.2	60	35.4	30.5	1.56	6.7
				70	34.4	28.6	1.78	5.7
				80	33.8	27.1	2.03	4.9
	9	10.4	4.5	60	36.7	31.8	1.56	6.9
				70	35.6	29.9	1.79	5.8
				80	34.7	27.7	2.04	5.0

GT036 HEATING PERFORMANCE - FULL LOAD

GT036 Heating performance – Full Load @ 1100CFM								
Entering Water, °F	Water flow, GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Ent. Air °F	Total Btu/hr.	Ht. Abs. Btu/hr.	Unit kW	COP
30	4.5	3.5	1.5	60	26.0	19.5	1.93	3.9
				70	25.6	18.4	2.15	3.5
				80	25.4	17.2	2.40	3.1
	6	6	2.6	60	26.8	20.3	1.95	4.0
				70	26.4	19.1	2.17	3.6
				80	26.1	17.9	2.42	3.2
	9	12.4	5.4	60	27.8	21.2	1.97	4.1
				70	27.2	19.9	2.19	3.6
				80	26.8	18.6	2.43	3.2
40	4.5	3.4	1.5	60	29.7	22.9	2.01	4.3
				70	29.2	21.7	2.23	3.8
				80	28.7	20.4	2.48	3.4
	6	5.7	2.5	60	30.7	23.9	2.03	4.4
				70	30.1	22.5	2.25	3.9
				80	29.6	21.2	2.50	3.5
	9	11.9	5.2	60	31.9	25.0	2.05	4.6
				70	31.2	23.5	2.28	4.0
				80	30.5	22.0	2.52	3.5
50	4.5	3.3	1.4	60	33.6	26.6	2.09	4.7
				70	33.0	25.2	2.32	4.2
				80	32.5	23.7	2.57	3.7
	6	5.5	2.4	60	34.9	27.8	2.12	4.8
				70	34.2	26.3	2.34	4.3
				80	33.6	24.7	2.59	3.8
	9	11.5	5.0	60	36.3	29.1	2.15	4.9
				70	35.5	27.5	2.37	4.4
				80	34.8	25.9	2.62	3.9
60	4.5	3.2	1.4	60	37.8	30.5	2.18	5.1
				70	37.0	28.9	2.40	4.5
				80	36.4	27.4	2.65	4.0
	6	5.4	2.3	60	39.4	31.9	2.21	5.2
				70	38.4	30.2	2.43	4.6
				80	37.7	28.5	2.68	4.1
	9	11.1	4.8	60	41.1	33.5	2.25	5.4
				70	40.0	31.7	2.47	4.8
				80	39.1	29.8	2.71	4.2
70	4.5	3.1	1.3	60	42.2	34.6	2.27	5.4
				70	41.3	32.9	2.49	4.9
				80	40.5	31.1	2.75	4.3
	6	5.2	2.3	60	44.0	36.3	2.31	5.6
				70	42.9	34.4	2.53	5.0
				80	41.9	32.5	2.78	4.4
	9	10.7	4.6	60	46.0	38.1	2.36	5.7
				70	44.7	36.1	2.57	5.1
				80	43.6	34.0	2.82	4.5
80	4.5	3	1.3	60	46.7	38.8	2.37	5.8
				70	45.7	36.9	2.59	5.2
				80	44.7	35.0	2.85	4.6
	6	5	2.2	60	48.8	40.7	2.42	5.9
				70	47.5	38.7	2.64	5.3
				80	46.4	36.6	2.89	4.7
	9	10.4	4.5	60	51.1	42.8	2.48	6.0
				70	49.6	40.6	2.69	5.4
				80	48.3	38.4	2.94	4.8

GT036 COOLING PERFORMANCE - PART LOAD

GT036 Cooling performance – PART LOAD @ 800 CFM									
Entering Water °F	Water flow GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Cooling					
				Ent. Air db/wb, °F	Total Btu/hr.	Sensible Btu/hr.	Ht. Rej. Btu/hr.	Unit kW	EER
50	4.5	3.2	1.4	75/63	29.9	21.8	33.2	1.01	29.6
				80/67	32.0	22.5	35.3	1.00	32.1
				85/71	34.2	23.0	37.4	0.98	34.9
	6	5.4	2.3	75/63	30.4	22.0	33.6	0.99	30.9
				80/67	32.5	22.7	35.7	0.97	33.6
				85/71	34.8	23.2	37.9	0.95	36.7
	9	11.1	4.8	75/63	30.8	22.2	34.0	0.96	32.0
				80/67	33.1	22.9	36.2	0.94	35.1
				85/71	35.4	23.5	38.5	0.92	38.5
60	4.5	3.1	1.3	75/63	28.5	21.2	32.1	1.11	25.7
				80/67	30.5	21.9	34.1	1.10	27.9
				85/71	32.7	22.4	36.2	1.08	30.3
	6	5.2	2.3	75/63	29.0	21.4	32.5	1.07	27.0
				80/67	31.0	22.1	34.5	1.06	29.3
				85/71	33.3	22.6	36.7	1.04	32.0
	9	10.7	4.6	75/63	29.4	21.6	32.8	1.04	28.2
				80/67	31.6	22.3	34.9	1.02	30.9
				85/71	33.8	22.9	37.2	1.00	33.7
70	4.5	3	1.3	75/63	27.1	20.6	31.0	1.24	22.0
				80/67	29.1	21.2	33.0	1.23	23.8
				85/71	31.1	21.9	35.0	1.21	25.7
	6	5	2.2	75/63	27.5	20.8	31.3	1.19	23.0
				80/67	29.6	21.4	33.4	1.18	25.1
				85/71	31.6	22.1	35.4	1.16	27.2
	9	10.4	4.5	75/63	27.9	21.0	31.6	1.16	24.2
				80/67	30.0	21.6	33.7	1.14	26.4
				85/71	32.2	22.2	35.9	1.12	28.8
80	4.5	2.9	1.3	75/63	25.7	19.9	30.1	1.39	18.5
				80/67	27.5	20.6	31.9	1.38	19.9
				85/71	29.5	21.3	33.9	1.38	21.5
	6	4.8	2.1	75/63	26.1	20.1	30.3	1.35	19.4
				80/67	28.0	20.8	32.2	1.33	21.0
				85/71	30.0	21.4	34.3	1.32	22.7
	9	10.1	4.4	75/63	26.4	20.3	30.6	1.30	20.3
				80/67	28.5	20.9	32.6	1.29	22.2
				85/71	30.5	21.6	34.6	1.27	24.1
85	4.5	2.8	1.2	75/63	24.9	19.6	29.6	1.48	16.8
				80/67	26.8	20.3	31.5	1.48	18.2
				85/71	28.7	20.9	33.4	1.47	19.6
	6	4.8	2.1	75/63	25.3	19.8	29.8	1.43	17.7
				80/67	27.2	20.5	31.7	1.42	19.1
				85/71	29.1	21.2	33.7	1.41	20.7
	9	9.9	4.3	75/63	25.7	19.9	30.1	1.39	18.5
				80/67	27.6	20.7	32.0	1.37	20.1
				85/71	29.7	21.3	34.0	1.36	21.9
90	4.5	2.8	1.2	75/63	24.2	19.3	29.1	1.58	15.3
				80/67	25.9	20.0	30.9	1.57	16.5
				85/71	27.8	20.7	32.8	1.57	17.8
	6	4.7	2.0	75/63	24.5	19.5	29.3	1.53	16.0
				80/67	26.4	20.1	31.2	1.52	17.4
				85/71	28.3	20.8	33.2	1.51	18.8
	9	9.7	4.2	75/63	24.9	19.5	29.6	1.49	16.7
				80/67	26.8	20.3	31.5	1.47	18.3
				85/71	28.8	21.0	33.4	1.45	19.9
100	4.5	2.7	1.2	75/63	22.7	18.7	28.3	1.80	12.6
				80/67	24.4	19.4	30.0	1.79	13.6
				85/71	26.1	20.1	31.8	1.79	14.6
	6	4.6	2.0	75/63	23.0	18.9	28.5	1.75	13.2
				80/67	24.8	19.6	30.2	1.74	14.3
				85/71	26.6	20.2	32.1	1.73	15.4
	9	9.5	4.1	75/63	23.3	18.9	28.6	1.71	13.6
				80/67	25.1	19.7	30.4	1.68	14.9
				85/71	27.1	20.3	32.4	1.67	16.3
110	4.5	2.6	1.1	75/63	21.1	18.1	27.5	2.05	10.3
				80/67	22.8	18.8	29.2	2.04	11.2
				85/71	24.5	19.5	30.9	2.04	12.0
	6	4.4	1.9	75/63	21.4	18.2	27.7	1.99	10.7
				80/67	23.1	18.9	29.4	1.98	11.7
				85/71	24.9	19.6	31.1	1.97	12.6
	9	9.2	4.0	75/63	21.7	18.3	27.8	1.95	11.1
				80/67	23.4	19.0	29.5	1.94	12.1
				85/71	25.2	19.8	31.2	1.92	13.2

GT036 COOLING PERFORMANCE - FULL LOAD

GT036 Cooling performance – Full Load @ 1100 CFM									
Entering Water °F	Water flow GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Cooling					
				Ent. Air db/wb, °F	Total Btu/hr.	Sensible Btu/hr.	Ht. Rej. Btu/hr.	Unit kW	EER
50	4.5	3.2	1.4	75/63	40.8	29.9	46.4	1.69	24.1
				80/67	43.5	30.6	49.2	1.74	25.1
				85/71	46.3	31.4	52.2	1.78	26.1
	6	5.4	2.3	75/63	41.6	30.2	47.0	1.64	25.4
				80/67	44.4	31.0	49.9	1.69	26.4
				85/71	47.3	31.7	53.0	1.73	27.4
	9	11.1	4.8	75/63	42.3	30.5	47.6	1.60	26.5
				80/67	45.2	31.4	50.7	1.64	27.6
				85/71	48.3	32.1	53.9	1.69	28.7
60	4.5	3.1	1.3	75/63	39.2	29.1	45.1	1.82	21.6
				80/67	41.7	30.0	47.8	1.86	22.5
				85/71	44.5	30.6	50.7	1.89	23.5
	6	5.2	2.3	75/63	39.9	29.4	45.7	1.76	22.7
				80/67	42.6	30.3	48.5	1.80	23.7
				85/71	45.4	31.0	51.4	1.83	24.8
	9	10.7	4.6	75/63	40.7	29.8	46.2	1.71	23.9
				80/67	43.4	30.5	49.2	1.74	24.9
				85/71	46.3	31.4	52.2	1.78	26.1
70	4.5	3	1.3	75/63	37.5	28.4	43.9	1.98	19.0
				80/67	39.9	29.2	46.5	2.01	19.9
				85/71	42.6	29.9	49.3	2.04	20.9
	6	5	2.2	75/63	38.1	28.7	44.3	1.91	20.0
				80/67	40.8	29.5	47.1	1.94	21.1
				85/71	43.4	30.3	49.9	1.97	22.1
	9	10.4	4.5	75/63	38.8	29.0	44.8	1.85	21.0
				80/67	41.5	29.8	47.7	1.87	22.2
				85/71	44.3	30.7	50.6	1.90	23.3
80	4.5	2.9	1.3	75/63	35.7	27.6	42.6	2.16	16.5
				80/67	38.1	28.4	45.2	2.19	17.4
				85/71	40.6	29.2	47.9	2.22	18.3
	6	4.8	2.1	75/63	36.4	27.8	43.2	2.09	17.4
				80/67	38.9	28.7	45.7	2.11	18.4
				85/71	41.4	29.6	48.4	2.14	19.4
	9	10.1	4.4	75/63	37.0	28.1	43.6	2.02	18.3
				80/67	39.5	29.0	46.2	2.04	19.4
				85/71	42.3	29.9	49.0	2.06	20.6
85	4.5	2.8	1.2	75/63	34.8	27.2	42.1	2.27	15.3
				80/67	37.1	28.1	44.5	2.30	16.2
				85/71	39.6	28.8	47.2	2.32	17.1
	6	4.8	2.1	75/63	35.4	27.5	42.5	2.19	16.2
				80/67	37.9	28.3	45.1	2.22	17.1
				85/71	40.5	29.1	47.8	2.24	18.1
	9	9.9	4.3	75/63	36.0	27.5	42.9	2.13	16.9
				80/67	38.6	28.6	45.6	2.14	18.0
				85/71	41.3	29.5	48.3	2.16	19.2
90	4.5	2.8	1.2	75/63	33.9	26.8	41.6	2.39	14.2
				80/67	36.2	27.6	44.0	2.41	15.0
				85/71	38.6	28.6	46.4	2.43	15.9
	6	4.7	2.0	75/63	34.6	27.1	42.0	2.30	15.0
				80/67	36.9	27.9	44.5	2.33	15.9
				85/71	39.5	28.8	47.1	2.34	16.9
	9	9.7	4.2	75/63	35.1	27.4	42.2	2.23	15.8
				80/67	37.6	28.2	44.9	2.25	16.7
				85/71	40.2	29.1	47.5	2.26	17.8
100	4.5	2.7	1.2	75/63	32.0	26.1	40.5	2.64	12.1
				80/67	34.3	26.9	42.9	2.67	12.9
				85/71	36.5	27.8	45.2	2.69	13.6
	6	4.6	2.0	75/63	32.7	26.3	40.9	2.56	12.8
				80/67	35.0	27.1	43.2	2.58	13.6
				85/71	37.4	28.0	45.7	2.59	14.5
	9	9.5	4.1	75/63	33.2	26.5	41.1	2.49	13.4
				80/67	35.5	27.3	43.6	2.51	14.2
				85/71	38.0	28.3	46.0	2.50	15.2
110	4.5	2.6	1.1	75/63	30.2	25.3	39.6	2.93	10.3
				80/67	32.4	26.2	41.8	2.95	11.0
				85/71	34.6	27.1	44.1	2.97	11.6
	6	4.4	1.9	75/63	30.7	25.5	39.8	2.85	10.8
				80/67	32.9	26.5	42.1	2.86	11.5
				85/71	35.2	27.4	44.5	2.87	12.3
	9	9.2	4.0	75/63	31.3	25.7	40.1	2.77	11.3
				80/67	33.5	26.7	42.4	2.78	12.1
				85/71	35.9	27.5	44.9	2.79	12.9

GT048 HEATING PERFORMANCE - PART LOAD

GT048 Heating performance – PART LOAD @ 1300CFM								
Entering Water, °F	Water flow, GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Ent. Air °F	Total Btu/hr.	Ht. Abs. Btu/hr.	Unit kW	COP
30	6	2.9	1.3	60	25.7	19.3	1.95	3.9
				70	24.9	17.7	2.18	3.4
				80	24.1	16.1	2.43	2.9
	8	4.9	2.1	60	26.4	20.0	1.95	4.0
				70	25.5	18.3	2.18	3.4
				80	24.7	16.6	2.44	3.0
	12	10.2	4.4	60	27.2	20.8	1.95	4.1
				70	26.2	19.0	2.18	3.5
				80	25.2	17.2	2.44	3.0
40	6	2.8	1.2	60	29.4	22.9	1.96	4.4
				70	28.5	21.2	2.20	3.8
				80	27.6	19.4	2.46	3.3
	8	4.7	2.0	60	30.3	23.8	1.96	4.5
				70	29.3	22.0	2.20	3.9
				80	28.3	20.1	2.47	3.4
	12	9.8	4.3	60	31.3	24.8	1.96	4.7
				70	30.2	22.8	2.21	4.0
				80	29.1	20.9	2.47	3.4
50	6	2.7	1.2	60	33.3	26.8	1.97	5.0
				70	32.4	25.0	2.22	4.3
				80	31.4	23.1	2.49	3.7
	8	4.6	2.0	60	34.4	27.9	1.97	5.1
				70	33.3	25.9	2.22	4.4
				80	32.4	24.0	2.50	3.8
	12	9.5	4.1	60	35.6	29.1	1.97	5.3
				70	34.4	27.0	2.23	4.5
				80	33.4	25.0	2.51	3.9
60	6	2.6	1.1	60	37.6	31.0	1.98	5.6
				70	36.5	29.1	2.24	4.8
				80	35.5	27.1	2.51	4.1
	8	4.4	1.9	60	38.9	32.3	1.98	5.7
				70	37.7	30.2	2.24	4.9
				80	36.6	28.2	2.52	4.3
	12	9.1	3.9	60	40.3	33.8	1.98	6.0
				70	39.0	31.6	2.24	5.1
				80	37.8	29.4	2.52	4.4
70	6	2.5	1.1	60	42.1	35.5	1.99	6.2
				70	40.9	33.4	2.25	5.3
				80	39.8	31.3	2.53	4.6
	8	4.3	1.9	60	43.6	37.1	1.99	6.4
				70	42.3	34.8	2.25	5.5
				80	41.1	32.6	2.54	4.7
	12	8.8	3.8	60	45.3	38.8	1.99	6.7
				70	43.9	36.4	2.25	5.7
				80	42.5	34.0	2.54	4.9
80	6	2.5	1.1	60	46.8	40.2	1.99	6.9
				70	45.5	38.0	2.25	5.9
				80	44.3	35.8	2.55	5.1
	8	4.1	1.8	60	48.5	42.0	1.99	7.2
				70	47.1	39.6	2.26	6.1
				80	45.8	37.3	2.56	5.3
	12	8.6	3.7	60	50.5	44.0	1.99	7.5
				70	48.9	41.4	2.26	6.3
				80	47.4	38.9	2.56	5.4

GT048 HEATING PERFORMANCE - FULL LOAD

GT048 Heating performance – Full Load @ 1600CFM								
Entering Water, °F	Water flow, GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Ent. Air °F	Total Btu/hr.	Ht. Abs. Btu/hr.	Unit kW	COP
30	6	2.9	1.3	60	34.6	25.7	2.67	3.8
				70	34.3	24.1	2.98	3.4
				80	33.9	22.6	3.31	3.0
	8	4.9	2.1	60	35.9	26.9	2.70	3.9
				70	35.5	25.1	3.01	3.5
				80	35.0	23.5	3.34	3.1
	12	10.2	4.4	60	37.3	28.2	2.73	4.0
				70	36.8	26.3	3.04	3.6
				80	36.0	24.6	3.37	3.1
40	6	2.8	1.2	60	39.5	30.3	2.79	4.2
				70	38.9	28.7	3.09	3.7
				80	38.5	26.9	3.42	3.3
	8	4.7	2.0	60	41.2	31.7	2.82	4.3
				70	40.3	30.0	3.12	3.8
				80	39.8	28.1	3.45	3.4
	12	9.8	4.3	60	42.9	33.4	2.86	4.4
				70	42.0	31.4	3.16	3.9
				80	41.2	29.5	3.48	3.5
50	6	2.7	1.2	60	44.9	35.1	2.90	4.5
				70	44.2	33.3	3.20	4.0
				80	43.5	31.5	3.52	3.6
	8	4.6	2.0	60	46.8	36.9	2.94	4.7
				70	45.9	35.0	3.23	4.2
				80	45.1	33.0	3.56	3.7
	12	9.5	4.1	60	49.0	39.0	2.98	4.8
				70	47.9	36.7	3.27	4.3
				80	46.9	34.7	3.60	3.8
60	6	2.6	1.1	60	50.6	40.4	3.01	4.9
				70	49.7	38.4	3.31	4.4
				80	48.9	36.5	3.64	3.9
	8	4.4	1.9	60	52.9	42.6	3.05	5.1
				70	51.8	40.4	3.35	4.5
				80	50.8	38.3	3.68	4.0
	12	9.1	3.9	60	55.4	45.0	3.10	5.2
				70	54.1	42.6	3.40	4.7
				80	52.9	40.1	3.73	4.2
70	6	2.5	1.1	60	56.6	46.0	3.12	5.3
				70	55.5	43.9	3.42	4.8
				80	54.6	41.5	3.77	4.2
	8	4.3	1.9	60	59.1	48.4	3.16	5.5
				70	57.8	46.0	3.47	4.9
				80	56.7	43.8	3.82	4.4
	12	8.8	3.8	60	62.1	51.4	3.21	5.7
				70	60.5	48.7	3.52	5.0
				80	59.1	46.0	3.88	4.5
80	6	2.5	1.1	60	62.7	51.9	3.22	5.7
				70	61.4	49.5	3.54	5.1
				80	60.3	47.0	3.90	4.5
	8	4.1	1.8	60	65.6	54.6	3.27	5.9
				70	64.2	52.0	3.60	5.2
				80	62.8	49.3	3.96	4.6
	12	8.6	3.7	60	69.1	57.9	3.33	6.1
				70	67.2	54.9	3.66	5.4
				80	65.7	51.5	4.03	4.8

GT048 COOLING PERFORMANCE - PART LOAD

GT048 Cooling performance - PART LOAD @ 1300 CFM									
Entering Water °F	Water flow GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Cooling					
				Ent. Air db/wb, °F	Total Btu/hr.	Sensible Btu/hr.	Ht. Rej. Btu/hr.	Unit kW	EER
50	6	2.6	1.1	75/63	39.7	31.6	44.4	1.44	27.5
				80/67	42.4	32.5	47.1	1.42	29.9
				85/71	45.2	33.4	49.8	1.39	32.5
	8	4.4	1.9	75/63	40.6	31.9	45.1	1.37	29.7
				80/67	43.4	32.9	47.8	1.34	32.5
				85/71	46.2	33.9	50.5	1.30	35.4
	12	9.1	3.9	75/63	41.6	32.3	45.8	1.29	32.3
				80/67	44.5	33.3	48.6	1.25	35.6
				85/71	47.4	34.3	51.4	1.21	39.1
60	6	2.5	1.1	75/63	37.6	30.7	42.8	1.64	23.0
				80/67	40.1	31.7	45.4	1.61	24.8
				85/71	42.8	32.7	48.0	1.59	26.9
	8	4.3	1.9	75/63	38.4	31.0	43.4	1.56	24.6
				80/67	41.0	32.1	46.0	1.53	26.8
				85/71	43.8	33.1	48.7	1.50	29.2
	12	8.8	3.8	75/63	39.3	31.3	44.1	1.48	26.5
				80/67	42.0	32.4	46.8	1.45	29.1
				85/71	45.0	33.4	49.6	1.41	31.9
70	6	2.5	1.1	75/63	35.4	29.7	41.3	1.85	19.1
				80/67	37.8	30.8	43.7	1.83	20.6
				85/71	40.4	31.9	46.2	1.81	22.3
	8	4.1	1.8	75/63	36.1	30.1	41.8	1.77	20.4
				80/67	38.7	31.1	44.4	1.75	22.1
				85/71	41.4	32.1	47.0	1.72	24.1
	12	8.6	3.7	75/63	37.0	30.4	42.4	1.69	21.9
				80/67	39.7	31.4	45.0	1.66	23.9
				85/71	42.4	32.5	47.8	1.63	26.0
80	6	2.4	1.0	75/63	33.2	28.8	39.8	2.09	15.9
				80/67	35.5	29.8	42.2	2.08	17.1
				85/71	38.0	30.9	44.6	2.06	18.5
	8	4	1.7	75/63	33.9	29.2	40.3	2.01	16.9
				80/67	36.3	30.2	42.7	1.99	18.2
				85/71	38.8	31.3	45.2	1.96	19.8
	12	8.3	3.6	75/63	34.6	29.5	40.8	1.93	17.9
				80/67	37.2	30.5	43.3	1.90	19.5
				85/71	39.8	31.7	45.8	1.87	21.3
85	6	2.3	1.0	75/63	32.0	28.4	39.1	2.22	14.4
				80/67	34.3	29.4	41.4	2.22	15.5
				85/71	36.7	30.6	43.7	2.19	16.7
	8	3.9	1.7	75/63	32.7	28.7	39.5	2.14	15.3
				80/67	35.0	29.8	41.8	2.13	16.5
				85/71	37.6	30.9	44.3	2.10	17.9
	12	8.1	3.5	75/63	33.5	29.0	40.0	2.06	16.3
				80/67	35.9	30.0	42.4	2.04	17.6
				85/71	38.6	31.1	45.0	2.00	19.3
90	6	2.3	1.0	75/63	30.9	27.9	38.4	2.36	13.1
				80/67	33.1	29.1	40.5	2.36	14.1
				85/71	35.5	30.2	43.0	2.33	15.2
	8	3.9	1.7	75/63	31.6	28.2	38.8	2.28	13.9
				80/67	33.8	29.3	41.0	2.27	14.9
				85/71	36.3	30.5	43.5	2.24	16.2
	12	8	3.5	75/63	32.3	28.5	39.2	2.19	14.7
				80/67	34.7	29.6	41.6	2.17	16.0
				85/71	37.2	30.8	44.1	2.14	17.4
100	6	2.2	1.0	75/63	28.7	27.0	37.0	2.66	10.8
				80/67	30.8	28.2	39.2	2.65	11.6
				85/71	33.1	29.4	41.4	2.63	12.6
	8	3.8	1.6	75/63	29.3	27.2	37.4	2.58	11.4
				80/67	31.5	28.4	39.6	2.56	12.3
				85/71	33.8	29.6	41.9	2.54	13.3
	12	7.8	3.4	75/63	29.9	27.4	37.8	2.49	12.0
				80/67	32.1	28.7	40.0	2.47	13.0
				85/71	34.5	29.9	42.3	2.44	14.1
110	6	2.2	1.0	75/63	26.4	26.1	35.8	2.98	8.8
				80/67	28.4	27.4	37.8	2.97	9.6
				85/71	30.5	28.5	39.9	2.96	10.3
	8	3.6	1.6	75/63	27.0	26.3	36.1	2.90	9.3
				80/67	29.1	27.6	38.2	2.88	10.1
				85/71	31.4	28.7	40.4	2.86	11.0
	12	7.6	3.3	75/63	27.5	26.6	36.3	2.82	9.8
				80/67	29.8	27.8	38.6	2.79	10.7
				85/71	32.1	28.9	40.9	2.76	11.6

GT048 COOLING PERFORMANCE - FULL LOAD

GT048 Cooling performance - Full Load @ 1600 CFM									
Entering Water °F	Water flow GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Cooling					
				Ent. Air db/wb, °F	Total Btu/hr.	Sensible Btu/hr.	Ht. Rej. Btu/hr.	Unit kW	EER
50	6	2.6	1.1	75/63	52.3	40.1	60.4	2.48	21.1
				80/67	55.6	41.3	63.9	2.50	22.2
				85/71	59.2	42.3	67.6	2.53	23.4
	8	4.4	1.9	75/63	53.6	40.6	61.4	2.36	22.7
				80/67	57.1	41.8	64.9	2.38	24.0
				85/71	60.8	42.8	68.8	2.40	25.3
	12	9.1	3.9	75/63	54.9	41.3	62.3	2.24	24.5
				80/67	58.7	42.4	66.2	2.26	26.0
				85/71	62.5	43.5	70.1	2.27	27.6
60	6	2.5	1.1	75/63	49.9	39.1	58.7	2.69	18.5
				80/67	53.2	40.3	62.1	2.72	19.6
				85/71	56.7	41.4	65.7	2.75	20.6
	8	4.3	1.9	75/63	51.2	39.6	59.6	2.57	19.9
				80/67	54.6	40.9	63.1	2.59	21.1
				85/71	58.1	42.0	66.7	2.61	22.3
	12	8.8	3.8	75/63	52.5	40.2	60.5	2.46	21.4
				80/67	56.1	41.3	64.3	2.47	22.7
				85/71	59.8	42.5	68.0	2.48	24.1
70	6	2.5	1.1	75/63	47.5	38.1	57.0	2.93	16.2
				80/67	50.8	39.3	60.4	2.96	17.1
				85/71	53.9	40.5	63.7	2.99	18.0
	8	4.1	1.8	75/63	48.7	38.6	57.9	2.81	17.3
				80/67	52.0	39.9	61.3	2.83	18.4
				85/71	55.4	41.0	64.7	2.85	19.4
	12	8.6	3.7	75/63	50.1	39.0	58.8	2.69	18.6
				80/67	53.5	40.3	62.3	2.70	19.8
				85/71	57.1	41.5	66.0	2.71	21.1
80	6	2.4	1.0	75/63	45.2	37.0	55.5	3.21	14.1
				80/67	48.2	38.3	58.7	3.24	14.9
				85/71	51.3	39.4	62.0	3.27	15.7
	8	4	1.7	75/63	46.2	37.6	56.2	3.08	15.0
				80/67	49.5	38.7	59.5	3.10	15.9
				85/71	52.6	40.1	62.8	3.12	16.8
	12	8.3	3.6	75/63	47.5	38.0	57.0	2.95	16.1
				80/67	50.8	39.2	60.4	2.96	17.1
				85/71	54.1	40.6	63.8	2.97	18.2
85	6	2.3	1.0	75/63	43.8	36.6	54.7	3.37	13.0
				80/67	46.8	37.9	57.8	3.40	13.8
				85/71	49.8	39.1	61.0	3.43	14.5
	8	3.9	1.7	75/63	45.0	36.9	55.4	3.23	13.9
				80/67	48.1	38.2	58.7	3.25	14.8
				85/71	51.3	39.4	62.0	3.27	15.7
	12	8.1	3.5	75/63	46.1	37.5	56.1	3.10	14.9
				80/67	49.4	38.7	59.5	3.11	15.9
				85/71	52.6	40.1	62.8	3.12	16.9
90	6	2.3	1.0	75/63	42.6	36.1	54.0	3.53	12.1
				80/67	45.5	37.4	57.0	3.56	12.8
				85/71	48.5	38.6	60.1	3.60	13.5
	8	3.9	1.7	75/63	43.6	36.5	54.6	3.39	12.8
				80/67	46.8	37.7	57.8	3.42	13.7
				85/71	49.8	39.1	60.9	3.44	14.5
	12	8	3.5	75/63	44.7	37.0	55.2	3.25	13.7
				80/67	48.0	38.2	58.6	3.27	14.7
				85/71	51.3	39.4	62.0	3.28	15.6
100	6	2.2	1.0	75/63	40.0	35.0	52.5	3.90	10.2
				80/67	42.7	36.3	55.4	3.94	10.8
				85/71	45.5	37.6	58.4	3.97	11.4
	8	3.8	1.6	75/63	41.0	35.5	53.1	3.75	10.9
				80/67	43.9	36.8	56.1	3.78	11.6
				85/71	46.8	38.0	59.1	3.80	12.3
	12	7.8	3.4	75/63	42.1	35.8	53.7	3.61	11.7
				80/67	45.1	37.1	56.8	3.62	12.5
				85/71	48.1	38.5	59.9	3.63	13.2
110	6	2.2	1.0	75/63	37.4	34.0	51.3	4.33	8.6
				80/67	39.9	35.3	54.0	4.38	9.1
				85/71	42.7	36.6	57.0	4.42	9.7
	8	3.6	1.6	75/63	38.3	34.4	51.7	4.17	9.2
				80/67	41.1	35.7	54.6	4.20	9.8
				85/71	43.8	37.0	57.5	4.23	10.4
	12	7.6	3.3	75/63	39.4	34.7	52.3	4.02	9.8
				80/67	42.0	36.1	55.0	4.03	10.4
				85/71	45.1	37.4	58.1	4.04	11.1

GT060 HEATING PERFORMANCE - PART LOAD

GT060 Heating performance – PART LOAD @ 1600CFM								
Entering Water, °F	Water flow, GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Ent. Air °F	Total Btu/hr.	Ht. Abs. Btu/hr.	Unit kW	COP
30	7.5	3.1	1.3	60	33.7	25.2	2.56	3.9
				70	32.5	22.9	2.85	3.3
				80	31.3	20.8	3.17	2.9
	10	5.2	2.3	60	34.6	26.1	2.57	4.0
				70	33.3	23.7	2.85	3.4
				80	31.9	21.4	3.17	2.9
	15	10.8	4.7	60	35.6	27.0	2.57	4.1
				70	34.4	24.4	2.86	3.5
				80	32.7	22.2	3.18	3.0
40	7.5	3	1.3	60	38.5	29.9	2.59	4.4
				70	37.1	27.6	2.89	3.8
				80	35.9	25.3	3.22	3.3
	10	5	2.2	60	39.6	31.0	2.60	4.5
				70	38.1	28.6	2.90	3.9
				80	36.7	26.3	3.23	3.3
	15	10.4	4.5	60	40.8	32.3	2.60	4.6
				70	39.3	29.7	2.91	4.0
				80	38.0	27.0	3.24	3.4
50	7.5	2.9	1.3	60	43.6	35.0	2.62	4.9
				70	42.3	32.4	2.93	4.2
				80	41.0	29.9	3.26	3.7
	10	4.9	2.1	60	45.0	36.4	2.63	5.0
				70	43.6	33.7	2.94	4.4
				80	42.1	31.3	3.27	3.8
	15	10.1	4.4	60	46.5	38.0	2.63	5.2
				70	44.8	35.4	2.94	4.5
				80	43.4	32.1	3.28	3.9
60	7.5	2.8	1.2	60	49.2	40.4	2.64	5.5
				70	47.7	37.9	2.96	4.7
				80	46.4	35.1	3.30	4.1
	10	4.7	2.0	60	50.8	42.1	2.65	5.6
				70	49.2	39.4	2.96	4.9
				80	47.7	36.3	3.31	4.2
	15	9.7	4.2	60	52.6	44.1	2.65	5.8
				70	50.9	41.1	2.97	5.0
				80	49.1	38.4	3.32	4.3
70	7.5	2.7	1.2	60	54.9	46.2	2.66	6.1
				70	53.4	43.4	2.98	5.3
				80	51.7	40.8	3.34	4.5
	10	4.5	2.0	60	56.9	48.2	2.66	6.3
				70	55.1	45.2	2.99	5.4
				80	53.5	41.8	3.35	4.7
	15	9.4	4.1	60	59.0	50.4	2.66	6.5
				70	57.1	47.2	2.99	5.6
				80	55.2	44.1	3.36	4.8
80	7.5	2.6	1.1	60	60.9	52.2	2.66	6.7
				70	59.2	49.2	3.00	5.8
				80	57.4	46.2	3.37	5.0
	10	4.4	1.9	60	63.2	54.5	2.66	7.0
				70	61.1	51.3	3.00	6.0
				80	59.4	47.7	3.38	5.2
	15	9.1	3.9	60	65.6	57.0	2.66	7.2
				70	63.4	53.6	3.01	6.2
				80	61.3	50.2	3.38	5.3

GT060 HEATING PERFORMANCE - FULL LOAD

GT060 Heating performance – Full Load @ 2000CFM								
Entering Water, °F	Water flow, GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Ent. Air °F	Total Btu/hr.	Ht. Abs. Btu/hr.	Unit kW	COP
30	7.5	3.1	1.3	60	45.9	34.1	3.51	3.8
				70	45.2	32.1	3.87	3.4
				80	44.6	30.2	4.25	3.1
	10	5.2	2.3	60	47.4	35.5	3.54	3.9
				70	46.6	33.4	3.90	3.5
				80	45.8	31.3	4.28	3.1
	15	10.8	4.7	60	49.1	36.8	3.57	4.0
				70	48.1	34.8	3.93	3.6
				80	47.3	32.7	4.31	3.2
40	7.5	3	1.3	60	52.0	39.7	3.64	4.2
				70	51.2	37.7	3.99	3.8
				80	50.5	35.6	4.38	3.4
	10	5	2.2	60	53.9	41.5	3.67	4.3
				70	52.9	39.3	4.03	3.9
				80	52.1	37.1	4.42	3.5
	15	10.4	4.5	60	56.0	43.2	3.71	4.4
				70	54.9	40.8	4.07	4.0
				80	53.9	38.8	4.46	3.5
50	7.5	2.9	1.3	60	58.8	45.9	3.76	4.6
				70	57.9	43.6	4.13	4.1
				80	57.0	41.3	4.53	3.7
	10	4.9	2.1	60	61.1	48.5	3.81	4.7
				70	59.9	45.8	4.17	4.2
				80	58.8	43.4	4.57	3.8
	15	10.1	4.4	60	63.6	50.5	3.86	4.8
				70	62.3	48.1	4.22	4.3
				80	61.0	45.4	4.62	3.9
60	7.5	2.8	1.2	60	65.9	52.9	3.91	4.9
				70	64.7	50.3	4.27	4.4
				80	63.7	48.2	4.69	4.0
	10	4.7	2.0	60	68.8	55.7	3.96	5.1
				70	67.3	52.8	4.33	4.6
				80	66.0	50.0	4.74	4.1
	15	9.7	4.2	60	71.8	58.1	4.02	5.2
				70	70.1	55.2	4.39	4.7
				80	68.7	52.4	4.80	4.2
70	7.5	2.7	1.2	60	73.5	60.0	4.06	5.3
				70	72.1	57.2	4.43	4.8
				80	70.8	54.4	4.86	4.3
	10	4.5	2.0	60	76.8	63.0	4.13	5.5
				70	75.1	60.0	4.50	4.9
				80	73.6	57.0	4.92	4.4
	15	9.4	4.1	60	80.4	66.2	4.21	5.6
				70	78.4	62.7	4.58	5.0
				80	76.8	59.4	5.00	4.5
80	7.5	2.6	1.1	60	81.5	67.3	4.23	5.7
				70	79.8	64.3	4.61	5.1
				80	78.2	61.2	5.04	4.5
	10	4.4	1.9	60	85.2	70.9	4.31	5.8
				70	83.2	67.5	4.69	5.2
				80	81.3	64.1	5.12	4.7
	15	9.1	3.9	60	89.3	74.5	4.40	5.9
				70	87.1	71.7	4.79	5.3
				80	84.8	67.3	5.21	4.8

GT060 COOLING PERFORMANCE - PART LOAD

GT060 Cooling performance - PART LOAD @ 1600 CFM									
Entering Water °F	Water flow GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Cooling					
				Ent. Air db/wb, °F	Total Btu/hr.	Sensible Btu/hr.	Ht. Rej. Btu/hr.	Unit kW	EER
50	7.5	2.8	1.2	75/63	51.0	39.6	57.1	1.86	27.4
				80/67	54.3	40.9	60.3	1.83	29.7
				85/71	57.8	42.0	63.7	1.80	32.1
	10	4.7	2.0	75/63	52.0	40.1	57.8	1.78	29.2
				80/67	55.5	41.3	61.2	1.74	31.8
				85/71	59.2	42.4	64.8	1.71	34.6
	15	9.7	4.2	75/63	53.1	40.6	58.7	1.70	31.3
				80/67	56.8	41.7	62.3	1.66	34.2
				85/71	60.4	43.0	65.8	1.62	37.4
60	7.5	2.7	1.2	75/63	48.1	38.5	54.9	2.09	23.0
				80/67	51.4	39.8	58.2	2.06	24.9
				85/71	54.9	40.9	61.6	2.03	27.0
	10	4.5	2.0	75/63	49.1	38.9	55.7	2.00	24.5
				80/67	52.5	40.2	59.0	1.97	26.7
				85/71	56.0	41.4	62.4	1.93	29.0
	15	9.4	4.1	75/63	50.2	39.3	56.4	1.92	26.2
				80/67	53.8	40.5	59.9	1.88	28.6
				85/71	57.4	41.8	63.5	1.84	31.3
70	7.5	2.6	1.1	75/63	45.4	37.2	53.0	2.35	19.3
				80/67	48.5	38.6	56.0	2.32	20.9
				85/71	51.7	39.9	59.2	2.29	22.5
	10	4.4	1.9	75/63	46.2	37.7	53.5	2.26	20.4
				80/67	49.6	38.9	56.8	2.23	22.2
				85/71	52.9	40.3	60.1	2.19	24.1
	15	9.1	3.9	75/63	47.2	38.1	54.3	2.17	21.7
				80/67	50.7	39.4	57.6	2.13	23.8
				85/71	54.1	40.7	60.9	2.09	25.9
80	7.5	2.5	1.1	75/63	42.4	36.1	50.9	2.65	16.0
				80/67	45.5	37.5	53.9	2.62	17.3
				85/71	48.6	38.8	57.0	2.59	18.7
	10	4.2	1.8	75/63	43.3	36.5	51.5	2.56	16.9
				80/67	46.4	37.8	54.5	2.52	18.4
				85/71	49.7	39.2	57.8	2.49	20.0
	15	8.8	3.8	75/63	44.2	36.8	52.2	2.47	17.9
				80/67	47.5	38.2	55.3	2.42	19.6
				85/71	50.9	39.4	58.7	2.38	21.4
85	7.5	2.5	1.1	75/63	41.1	35.5	50.1	2.81	14.6
				80/67	44.0	36.9	52.9	2.79	15.8
				85/71	47.0	38.2	55.9	2.76	17.0
	10	4.2	1.8	75/63	41.8	35.9	50.5	2.72	15.4
				80/67	44.9	37.3	53.5	2.68	16.7
				85/71	48.0	38.6	56.6	2.65	18.1
	15	8.7	3.8	75/63	42.8	36.2	51.2	2.62	16.3
				80/67	45.8	37.6	54.2	2.58	17.7
				85/71	49.1	39.0	57.4	2.54	19.3
90	7.5	2.5	1.1	75/63	39.6	35.0	49.1	2.98	13.3
				80/67	42.4	36.4	51.9	2.96	14.3
				85/71	45.4	37.7	54.9	2.93	15.5
	10	4.1	1.8	75/63	40.4	35.3	49.6	2.89	14.0
				80/67	43.3	36.7	52.5	2.86	15.1
				85/71	46.4	38.0	55.5	2.82	16.4
	15	8.5	3.7	75/63	41.2	35.6	50.1	2.79	14.7
				80/67	44.3	36.9	53.2	2.75	16.1
				85/71	47.4	38.4	56.2	2.71	17.5
100	7.5	2.4	1.0	75/63	36.7	33.8	47.3	3.34	11.0
				80/67	39.4	35.2	50.0	3.33	11.8
				85/71	42.3	36.6	52.9	3.30	12.8
	10	4	1.7	75/63	37.4	34.1	47.8	3.25	11.5
				80/67	40.2	35.5	50.5	3.22	12.5
				85/71	43.2	36.9	53.5	3.20	13.5
	15	8.3	3.6	75/63	38.1	34.4	48.2	3.16	12.1
				80/67	41.0	35.8	51.1	3.13	13.1
				85/71	44.1	37.2	54.0	3.08	14.3
110	7.5	2.3	1.0	75/63	33.8	32.6	45.7	3.74	9.0
				80/67	36.5	34.2	48.4	3.72	9.8
				85/71	38.7	35.4	50.6	3.71	10.4
	10	3.9	1.7	75/63	34.5	32.8	46.1	3.65	9.4
				80/67	37.2	34.4	48.8	3.62	10.3
				85/71	39.6	35.7	51.2	3.60	11.0
	15	8	3.5	75/63	35.1	33.2	46.4	3.56	9.9
				80/67	38.0	34.6	49.2	3.53	10.8
				85/71	40.9	36.1	52.1	3.49	11.7

GT060 COOLING PERFORMANCE - FULL LOAD

GT060 Cooling performance - Full Load @ 2000 CFM									
Entering Water °F	Water flow GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Cooling					
				Ent. Air db/wb, °F	Total Btu/hr.	Sensible Btu/hr.	Ht. Rej. Btu/hr.	Unit kW	EER
50	7.5	2.8	1.2	75/63	66.7	50.5	77.1	3.16	21.1
				80/67	70.9	52.0	81.5	3.21	22.1
				85/71	75.3	53.4	86.2	3.27	23.0
	10	4.7	2.0	75/63	68.0	51.2	78.1	3.04	22.3
				80/67	72.6	52.6	82.9	3.10	23.4
				85/71	77.2	53.9	87.7	3.15	24.5
	15	9.7	4.2	75/63	69.5	51.8	79.2	2.94	23.7
				80/67	74.0	53.4	84.0	2.98	24.8
				85/71	78.9	54.7	89.0	3.04	26.0
60	7.5	2.7	1.2	75/63	63.8	49.4	75.0	3.40	18.8
				80/67	68.0	50.9	79.4	3.45	19.7
				85/71	72.4	52.1	84.0	3.51	20.6
	10	4.5	2.0	75/63	65.3	49.8	76.1	3.28	19.9
				80/67	69.6	51.3	80.6	3.32	20.9
				85/71	73.9	52.9	85.1	3.37	21.9
	15	9.4	4.1	75/63	66.6	50.5	77.1	3.16	21.1
				80/67	71.0	52.1	81.6	3.20	22.2
				85/71	75.8	53.4	86.6	3.24	23.4
70	7.5	2.6	1.1	75/63	61.0	48.2	73.0	3.68	16.6
				80/67	65.1	49.6	77.4	3.73	17.4
				85/71	69.0	51.1	81.5	3.78	18.3
	10	4.4	1.9	75/63	62.4	48.6	74.0	3.55	17.6
				80/67	66.4	50.3	78.2	3.59	18.5
				85/71	70.7	51.7	82.7	3.63	19.5
	15	9.1	3.9	75/63	63.7	49.2	74.9	3.42	18.6
				80/67	68.0	50.7	79.4	3.46	19.7
				85/71	72.5	52.2	84.1	3.49	20.7
80	7.5	2.5	1.1	75/63	58.0	47.0	71.1	4.01	14.5
				80/67	61.8	48.5	75.1	4.05	15.2
				85/71	65.7	50.0	79.2	4.10	16.0
	10	4.2	1.8	75/63	59.3	47.5	71.9	3.87	15.3
				80/67	63.4	48.9	76.2	3.90	16.2
				85/71	67.3	50.5	80.3	3.94	17.1
	15	8.8	3.8	75/63	60.6	47.9	72.9	3.73	16.2
				80/67	64.7	49.6	77.0	3.76	17.2
				85/71	69.1	50.9	81.6	3.79	18.2
85	7.5	2.5	1.1	75/63	56.6	46.2	70.3	4.19	13.5
				80/67	60.4	47.8	74.3	4.24	14.2
				85/71	64.1	49.4	78.2	4.28	15.0
	10	4.2	1.8	75/63	57.8	46.8	71.0	4.05	14.3
				80/67	61.6	48.4	75.0	4.08	15.1
				85/71	65.7	49.8	79.3	4.12	16.0
	15	8.7	3.8	75/63	59.0	47.2	71.8	3.91	15.1
				80/67	63.0	48.9	75.9	3.93	16.0
				85/71	67.2	50.5	80.2	3.96	17.0
90	7.5	2.5	1.1	75/63	55.1	45.6	69.4	4.39	12.5
				80/67	58.5	47.2	72.9	4.43	13.2
				85/71	62.3	48.8	77.0	4.48	13.9
	10	4.1	1.8	75/63	56.3	46.1	70.1	4.24	13.3
				80/67	60.1	47.7	74.1	4.27	14.1
				85/71	63.9	49.3	78.1	4.30	14.8
	15	8.5	3.7	75/63	57.3	46.7	70.7	4.09	14.0
				80/67	61.4	48.1	74.9	4.12	14.9
				85/71	65.5	49.7	79.1	4.14	15.8
100	7.5	2.4	1.0	75/63	51.9	44.5	67.6	4.82	10.8
				80/67	55.2	46.0	71.0	4.86	11.4
				85/71	58.8	47.5	74.8	4.91	12.0
	10	4	1.7	75/63	53.1	44.8	68.3	4.67	11.4
				80/67	56.7	46.5	72.0	4.69	12.1
				85/71	60.3	48.1	75.8	4.73	12.8
	15	8.3	3.6	75/63	54.0	45.3	68.7	4.51	12.0
				80/67	57.9	47.0	72.7	4.53	12.8
				85/71	61.8	48.6	76.7	4.56	13.6
110	7.5	2.3	1.0	75/63	48.7	43.2	66.0	5.33	9.1
				80/67	51.8	44.7	69.3	5.37	9.6
				85/71	55.3	46.3	73.0	5.41	10.2
	10	3.9	1.7	75/63	49.8	43.5	66.6	5.16	9.6
				80/67	53.2	45.2	70.1	5.19	10.3
				85/71	56.7	46.8	73.7	5.22	10.9
	15	8	3.5	75/63	50.8	43.9	67.1	5.01	10.1
				80/67	54.2	45.6	70.6	5.02	10.8
				85/71	57.9	47.2	74.3	5.03	11.5

GT072 HEATING PERFORMANCE - PART LOAD

GT072 Heating performance – PART LOAD @ 1850CFM								
Entering Water, °F	Water flow, GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Ent. Air °F	Total Btu/hr.	Ht. Abs. Btu/hr.	Unit kW	COP
30	9	2.3	1.0	60	39.9	29.3	3.05	3.8
				70	38.9	26.8	3.38	3.4
				80	37.5	24.5	3.76	2.9
	12	3.9	1.7	60	40.0	30.1	3.05	3.8
				70	39.4	28.9	3.39	3.4
				80	38.9	25.9	3.78	3.0
	18	8.2	3.6	60	42.2	30.5	3.06	4.0
				70	40.9	29.6	3.40	3.5
				80	40.0	27.4	3.80	3.1
40	9	2.3	1.0	60	45.2	35.1	3.09	4.3
				70	44.3	32.5	3.44	3.8
				80	43.1	31.7	3.83	3.3
	12	3.8	1.6	60	46.8	36.3	3.10	4.4
				70	44.9	33.0	3.44	3.8
				80	45.1	32.1	3.84	3.4
	18	7.9	3.4	60	45.7	38.3	3.06	4.4
				70	46.8	34.8	3.46	4.0
				80	45.7	32.8	3.85	3.5
50	9	2.2	1.0	60	51.4	41.2	3.14	4.8
				70	50.3	38.1	3.48	4.2
				80	49.8	36.6	3.89	3.8
	12	3.7	1.6	60	53.2	42.9	3.15	5.0
				70	52.3	40.7	3.51	4.4
				80	50.8	39.9	3.91	3.8
	18	7.6	3.3	60	55.3	44.8	3.16	5.1
				70	53.8	42.1	3.52	4.5
				80	52.0	38.4	3.91	3.9
60	9	2.1	0.9	60	58.2	47.3	3.18	5.4
				70	56.9	44.6	3.55	4.7
				80	55.8	41.9	3.95	4.1
	12	3.5	1.5	60	60.4	49.3	3.19	5.6
				70	58.8	47.0	3.56	4.8
				80	58.8	45.1	3.98	4.3
	18	7.3	3.2	60	63.1	52.0	3.21	5.8
				70	58.1	47.7	3.51	4.9
				80	59.3	45.4	3.99	4.4
70	9	2	0.9	60	65.3	54.3	3.22	5.9
				70	63.7	51.4	3.61	5.2
				80	62.1	48.8	4.02	4.5
	12	3.4	1.5	60	67.6	57.3	3.24	6.1
				70	66.2	53.6	3.63	5.4
				80	66.0	50.9	4.07	4.8
	18	7.1	3.1	60	70.7	59.3	3.26	6.4
				70	68.9	55.5	3.65	5.5
				80	67.3	53.7	4.09	4.8
80	9	2	0.9	60	72.6	61.5	3.28	6.5
				70	71.0	58.2	3.67	5.7
				80	70.6	57.2	4.12	5.0
	12	3.3	1.4	60	75.7	64.2	3.30	6.7
				70	73.7	60.7	3.70	5.8
				80	73.3	59.2	4.15	5.2
	18	6.9	3.0	60	78.9	68.0	3.32	7.0
				70	76.6	64.8	3.73	6.0
				80	70.0	66.5	4.09	5.0

GT072 HEATING PERFORMANCE - FULL LOAD

GT072 Heating performance – Full Load @ 2350CFM								
Entering Water, °F	Water flow, GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Ent. Air °F	Total Btu/hr.	Ht. Abs. Btu/hr.	Unit kW	COP
30	9	2.3	1.0	60	52.6	38.2	4.16	3.7
				70	51.6	35.9	4.56	3.3
				80	51.1	34.0	4.99	3.0
	12	3.9	1.7	60	54.0	39.6	4.19	3.8
				70	53.2	37.6	4.59	3.4
				80	52.8	35.7	5.03	3.1
	18	8.2	3.6	60	55.8	41.8	4.24	3.9
				70	55.4	40.3	4.64	3.5
				80	54.5	37.2	5.07	3.2
40	9	2.3	1.0	60	59.3	44.5	4.29	4.0
				70	58.5	42.3	4.70	3.7
				80	57.9	40.1	5.14	3.3
	12	3.8	1.6	60	61.7	46.6	4.33	4.2
				70	60.8	44.6	4.74	3.8
				80	60.2	42.0	5.19	3.4
	18	7.9	3.4	60	64.3	49.3	4.38	4.3
				70	63.1	47.1	4.79	3.9
				80	62.4	43.4	5.23	3.5
50	9	2.2	1.0	60	67.3	52.1	4.44	4.4
				70	66.4	49.9	4.85	4.0
				80	65.3	46.9	5.31	3.6
	12	3.7	1.6	60	69.9	54.4	4.48	4.6
				70	68.7	51.8	4.90	4.1
				80	67.7	49.1	5.36	3.7
	18	7.6	3.3	60	73.2	58.0	4.55	4.7
				70	71.9	54.7	4.96	4.2
				80	70.2	51.5	5.42	3.8
60	9	2.1	0.9	60	75.7	59.7	4.59	4.8
				70	74.6	57.1	5.01	4.4
				80	73.6	54.6	5.49	3.9
	12	3.5	1.5	60	78.8	62.8	4.65	5.0
				70	77.4	59.8	5.08	4.5
				80	76.1	56.8	5.55	4.0
	18	7.3	3.2	60	82.7	66.8	4.73	5.1
				70	79.0	61.1	5.12	4.5
				80	79.5	60.1	5.62	4.1
70	9	2	0.9	60	84.2	67.8	4.75	5.2
				70	82.6	64.7	5.19	4.7
				80	81.4	61.8	5.67	4.2
	12	3.4	1.5	60	88.6	72.2	4.84	5.4
				70	86.9	69.2	5.27	4.8
				80	84.8	64.9	5.74	4.3
	18	7.1	3.1	60	92.8	75.8	4.92	5.5
				70	90.9	72.2	5.36	5.0
				80	88.6	68.8	5.83	4.5
80	9	2	0.9	60	93.3	76.4	4.93	5.5
				70	91.6	73.1	5.37	5.0
				80	90.0	69.7	5.86	4.5
	12	3.3	1.4	60	97.9	80.6	5.03	5.7
				70	95.8	77.0	5.46	5.1
				80	94.5	74.0	5.96	4.6
	18	6.9	3.0	60	103.2	85.5	5.13	5.9
				70	100.7	81.4	5.57	5.3
				80	98.2	77.3	6.05	4.8

GT072 COOLING PERFORMANCE - PART LOAD

GT072 Cooling performance - PART LOAD @ 1850 CFM									
Entering Water °F	Water flow GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Cooling					
				Ent. Air db/wb, °F	Total Btu/hr.	Sensible Btu/hr.	Ht. Rej. Btu/hr.	Unit kW	EER
50	9	2.1	0.9	75/63	58.7	45.7	66.2	2.28	25.7
				80/67	62.5	47.1	70.0	2.28	27.4
				85/71	66.4	48.4	73.9	2.27	29.2
	12	3.5	1.5	75/63	59.8	46.2	67.0	2.18	27.4
				80/67	63.9	47.5	71.0	2.17	29.5
				85/71	67.9	48.8	75.1	2.15	31.6
	18	7.3	3.2	75/63	61.1	46.6	68.0	2.08	29.4
				80/67	65.1	48.1	71.9	2.05	31.7
				85/71	69.5	49.3	76.2	2.03	34.3
60	9	2	0.9	75/63	55.9	44.6	64.3	2.55	21.9
				80/67	59.6	46.0	68.0	2.55	23.4
				85/71	63.5	47.2	71.9	2.54	24.9
	12	3.4	1.5	75/63	57.1	44.9	65.1	2.44	23.4
				80/67	61.0	46.4	68.9	2.43	25.1
				85/71	64.9	47.7	72.9	2.42	26.8
	18	7.1	3.1	75/63	58.2	45.5	65.8	2.33	25.0
				80/67	62.1	46.9	69.8	2.31	26.9
				85/71	66.2	48.3	73.8	2.29	28.9
70	9	2	0.9	75/63	53.1	43.4	62.3	2.85	18.6
				80/67	56.7	44.8	66.0	2.85	19.9
				85/71	60.3	46.2	69.6	2.85	21.1
	12	3.3	1.4	75/63	54.2	43.8	63.0	2.73	19.8
				80/67	57.8	45.3	66.7	2.73	21.2
				85/71	61.6	46.7	70.5	2.72	22.6
	18	6.9	3.0	75/63	55.3	44.2	63.9	2.62	21.1
				80/67	59.1	45.7	67.6	2.60	22.7
				85/71	63.1	47.0	71.6	2.59	24.4
80	9	1.9	0.8	75/63	50.3	42.1	60.6	3.19	15.8
				80/67	53.7	43.6	64.1	3.19	16.8
				85/71	57.2	45.0	67.7	3.20	17.9
	12	3.2	1.4	75/63	51.3	42.5	61.2	3.07	16.7
				80/67	54.7	44.1	64.7	3.06	17.8
				85/71	58.3	45.5	68.3	3.06	19.0
	18	6.6	2.9	75/63	52.3	42.9	61.9	2.95	17.7
				80/67	55.9	44.5	65.4	2.94	19.0
				85/71	59.6	46.0	69.2	2.92	20.4
85	9	1.9	0.8	75/63	48.8	41.5	59.7	3.37	14.5
				80/67	52.1	43.1	63.0	3.38	15.4
				85/71	55.4	44.5	66.4	3.39	16.3
	12	3.1	1.3	75/63	49.7	42.0	60.2	3.25	15.3
				80/67	53.2	43.4	63.8	3.25	16.4
				85/71	56.7	45.0	67.3	3.25	17.4
	18	6.5	2.8	75/63	50.7	42.4	60.8	3.13	16.2
				80/67	54.3	43.9	64.4	3.12	17.4
				85/71	57.9	45.4	68.1	3.11	18.6
90	9	1.8	0.8	75/63	47.4	40.9	58.9	3.57	13.3
				80/67	50.6	42.4	62.2	3.58	14.1
				85/71	53.9	44.0	65.5	3.59	15.0
	12	3.1	1.3	75/63	48.2	41.4	59.3	3.45	14.0
				80/67	51.5	42.9	62.7	3.45	14.9
				85/71	54.9	44.3	66.1	3.45	15.9
	18	6.4	2.8	75/63	49.2	41.7	59.9	3.32	14.8
				80/67	52.7	43.2	63.5	3.31	15.9
				85/71	56.2	44.8	67.0	3.30	17.0
100	9	1.8	0.8	75/63	44.2	39.8	57.1	4.01	11.0
				80/67	47.3	41.3	60.3	4.01	11.8
				85/71	50.5	42.8	63.5	4.03	12.5
	12	3	1.3	75/63	45.2	40.0	57.7	3.88	11.6
				80/67	48.4	41.7	60.9	3.88	12.5
				85/71	51.6	43.2	64.2	3.88	13.3
	18	6.2	2.7	75/63	46.0	40.5	58.1	3.75	12.3
				80/67	49.3	42.0	61.4	3.74	13.2
				85/71	52.8	43.6	64.9	3.73	14.1
110	9	1.7	0.7	75/63	41.1	38.4	55.5	4.51	9.1
				80/67	44.1	40.1	58.6	4.50	9.8
				85/71	47.4	41.8	61.9	4.48	10.6
	12	2.9	1.3	75/63	41.9	38.8	56.0	4.37	9.6
				80/67	45.1	40.4	59.2	4.37	10.3
				85/71	48.4	42.1	62.4	4.34	11.1
	18	6.1	2.6	75/63	42.8	39.1	56.4	4.24	10.1
				80/67	45.9	40.8	59.5	4.23	10.9
				85/71	49.3	42.4	62.9	4.20	11.7

GT072 COOLING PERFORMANCE - FULL LOAD

GT072 Cooling performance - Full Load @ 2350 CFM									
Entering Water °F	Water flow GPM	Pressure Drop Ft. Water	Pressure Drop (Psi)	Cooling					
				Ent. Air db/wb, °F	Total Btu/hr.	Sensible Btu/hr.	Ht. Rej. Btu/hr.	Unit kW	EER
50	9	2.1	0.9	75/63	74.7	56.2	86.9	3.69	20.2
				80/67	79.4	58.1	91.8	3.74	21.2
				85/71	84.4	59.7	97.0	3.79	22.2
	12	3.5	1.5	75/63	76.3	56.9	88.1	3.54	21.6
				80/67	81.4	58.5	93.3	3.59	22.7
				85/71	86.5	60.5	98.6	3.63	23.9
	18	7.3	3.2	75/63	78.1	57.6	89.3	3.38	23.1
				80/67	83.4	59.3	94.8	3.42	24.4
				85/71	88.9	60.9	100.5	3.46	25.7
60	9	2	0.9	75/63	71.6	54.8	84.7	3.99	18.0
				80/67	76.1	56.8	89.4	4.03	18.9
				85/71	81.1	58.2	94.6	4.08	19.9
	12	3.4	1.5	75/63	73.2	55.5	85.8	3.83	19.1
				80/67	78.1	57.2	90.9	3.87	20.2
				85/71	83.2	58.8	96.2	3.91	21.3
	18	7.1	3.1	75/63	74.9	56.3	87.0	3.67	20.4
				80/67	79.8	58.3	92.1	3.70	21.5
				85/71	85.1	60.0	97.6	3.73	22.8
70	9	2	0.9	75/63	68.4	53.4	82.5	4.32	15.8
				80/67	72.7	55.5	87.1	4.36	16.7
				85/71	77.4	57.0	92.0	4.41	17.6
	12	3.3	1.4	75/63	69.8	54.4	83.4	4.15	16.8
				80/67	74.4	56.2	88.3	4.19	17.7
				85/71	79.3	58.0	93.2	4.22	18.8
	18	6.9	3.0	75/63	71.5	54.8	84.7	3.99	17.9
				80/67	76.3	56.9	89.5	4.02	19.0
				85/71	81.6	58.2	95.0	4.05	20.1
80	9	1.9	0.8	75/63	64.9	52.3	80.2	4.69	13.8
				80/67	69.2	54.0	84.8	4.74	14.6
				85/71	73.8	55.5	89.5	4.78	15.4
	12	3.2	1.4	75/63	66.5	52.7	81.3	4.52	14.7
				80/67	70.8	54.8	85.8	4.55	15.5
				85/71	75.3	57.1	90.4	4.58	16.4
	18	6.6	2.9	75/63	68.0	53.3	82.3	4.35	15.6
				80/67	72.6	55.4	87.0	4.38	16.6
				85/71	77.5	57.1	92.0	4.40	17.6
85	9	1.9	0.8	75/63	63.3	51.6	79.3	4.88	13.0
				80/67	67.4	53.5	83.6	4.93	13.7
				85/71	71.7	55.2	88.1	4.98	14.4
	12	3.1	1.3	75/63	64.8	51.9	80.2	4.72	13.7
				80/67	69.0	54.1	84.6	4.75	14.5
				85/71	73.6	55.6	89.4	4.78	15.4
	18	6.5	2.8	75/63	66.2	52.5	81.2	4.55	14.5
				80/67	70.8	54.3	85.9	4.58	15.5
				85/71	75.4	56.6	90.5	4.59	16.4
90	9	1.8	0.8	75/63	61.6	51.0	78.3	5.09	12.1
				80/67	65.7	52.8	82.6	5.14	12.8
				85/71	69.9	54.5	86.9	5.18	13.5
	12	3.1	1.3	75/63	63.0	51.6	79.1	4.92	12.8
				80/67	67.2	53.4	83.5	4.96	13.6
				85/71	71.5	55.4	87.9	4.99	14.3
	18	6.4	2.8	75/63	64.4	51.9	79.9	4.76	13.5
				80/67	68.8	54.0	84.5	4.78	14.4
				85/71	73.5	55.5	89.4	4.80	15.3
100	9	1.8	0.8	75/63	58.3	49.6	76.4	5.55	10.5
				80/67	62.2	51.5	80.5	5.60	11.1
				85/71	66.1	53.2	84.7	5.64	11.7
	12	3	1.3	75/63	59.5	50.2	77.1	5.37	11.1
				80/67	63.6	52.0	81.3	5.41	11.8
				85/71	67.8	53.7	85.6	5.44	12.5
	18	6.2	2.7	75/63	60.9	50.5	77.9	5.20	11.7
				80/67	65.1	52.4	82.3	5.22	12.5
				85/71	69.5	54.2	86.7	5.25	13.2
110	9	1.7	0.7	75/63	54.9	48.1	74.8	6.10	9.0
				80/67	58.4	50.1	78.5	6.14	9.5
				85/71	64.9	53.2	85.3	6.21	10.4
	12	2.9	1.3	75/63	56.1	48.6	75.3	5.90	9.5
				80/67	60.0	50.1	79.4	5.93	10.1
				85/71	64.6	50.1	84.2	5.97	10.8
	18	6.1	2.6	75/63	57.1	49.5	75.7	5.71	10.0
				80/67	61.3	50.9	80.1	5.74	10.7
				85/71	65.3	53.0	84.1	5.75	11.3

ANTI-FREEZE CORRECTION TABLE

Antifreeze Type	Antifreeze % volume	Cooling			Heating		WPD Correction Factor EWT 30°F
		EWT 90 °F			EWT 30 °F		
		Total Cap.	Sens. Cap	Power	Htg. Cap	Power	
Water	0	1.000	1.000	1.000	1.000	1.000	1.000
Propylene Glycol	5	0.997	0.997	1.004	0.989	0.997	1.060
	10	0.994	0.994	1.006	0.986	0.995	1.125
	15	0.990	0.990	1.009	0.978	0.988	1.190
	25	0.983	0.983	1.016	0.960	0.979	1.300
Methanol	5	0.997	0.997	1.003	0.990	0.997	1.060
	10	0.996	0.996	1.005	0.979	0.993	1.100
	15	0.994	0.994	1.008	0.970	0.990	1.140
Ethanol	5	0.998	0.998	1.002	0.981	0.994	1.160
	10	0.996	0.996	1.004	0.960	0.988	1.230
	15	0.992	0.992	1.006	0.944	0.983	1.280
	25	0.986	0.986	1.009	0.917	0.974	1.400

SOUND DATA

Model Number	Description	Load	Octave Band Sound Power Levels dB, re 10–12 Watts								A weighted overall (dBA)	
			Center Frequency – Hz								AHRI–260:2011 (50Hz–10kHz)	AHRI–260:2001 (100hz–10kHz)
			63	125	250	500	1000	2000	4000	8000		
GT024	Casing Radiated	Cooling Part	79	66	60	54	53	44	38	31	59	58
		Cooling Full	80	63	60	54	54	47	40	37	59	58
		Heating Part	74	66	59	54	52	43	38	31	58	57
		Heating Full	74	65	61	53	54	45	39	34	58	58
		FAN Only	73	61	56	51	48	43	38	30	54	53
	Ducted Discharge	Cooling Part	75	67	60	67	63	59	56	49	68	63
		Cooling Full	76	68	62	68	65	61	58	52	70	67
		Heating Part	77	67	60	65	63	58	56	49	67	63
		Heating Full	77	70	62	68	65	61	59	53	70	67
		FAN Only	75	67	60	66	63	59	56	49	67	63
GT036	Casing Radiated	Cooling Part	75	61	53	50	45	39	34	31	53	52
		Cooling Full	75	65	55	52	49	43	41	40	56	55
		Heating Part	74	60	52	50	44	38	33	30	53	52
		Heating Full	73	66	57	51	48	42	39	36	56	55
		FAN Only	66	53	48	45	42	36	29	24	48	47
	Ducted Discharge	Cooling Part	78	65	56	61	59	55	53	46	64	63
		Cooling Full	89	71	59	63	62	59	57	51	68	67
		Heating Part	79	65	56	61	59	56	53	46	64	63
		Heating Full	80	68	59	63	62	59	58	52	67	67
		FAN Only	79	66	56	61	59	55	53	46	64	63
GT048	Casing Radiated	Cooling Part	75	69	56	52	50	43	36	32	57	57
		Cooling Full	77	75	60	53	53	48	40	36	62	61
		Heating Part	77	69	58	52	51	43	35	31	58	57
		Heating Full	76	75	69	53	53	47	39	34	63	63
		FAN Only	69	56	56	49	48	43	35	27	53	52
	Ducted Discharge	Cooling Part	82	70	59	63	63	59	58	52	67	67
		Cooling Full	88	75	64	67	66	64	62	58	72	71
		Heating Part	81	69	60	64	63	60	58	53	68	67
		Heating Full	83	74	64	67	66	64	63	58	71	71
		FAN Only	86	70	60	63	62	60	58	52	68	67
GT060	Casing Radiated	Cooling Part	82	66	58	55	51	45	42	37	59	57
		Cooling Full	79	72	62	58	55	49	47	42	62	61
		Heating Part	76	67	62	57	52	47	47	47	60	60
		Heating Full	82	74	63	58	56	49	46	42	63	62
		FAN Only	71	60	57	53	49	44	39	29	55	55
	Ducted Discharge	Cooling Part	89	73	63	67	63	61	60	54	70	69
		Cooling Full	94	79	68	70	68	66	66	61	75	74
		Heating Part	88	74	63	67	64	61	60	54	70	70
		Heating Full	94	79	68	70	68	66	66	61	75	74
		FAN Only	87	73	63	67	64	62	60	54	70	70
GT072	Casing Radiated	Cooling Part	82	68	61	57	52	49	44	36	61	59
		Cooling Full	80	72	63	59	54	51	46	39	62	61
		Heating Part	75	71	63	59	52	48	44	40	61	61
		Heating Full	77	74	64	60	55	50	45	37	63	63
		FAN Only	73	63	61	55	51	49	44	42	58	58
	Ducted Discharge	Cooling Part	92	78	67	69	68	66	64	59	74	73
		Cooling Full	97	83	72	72	73	70	69	64	78	77
		Heating Part	92	79	68	70	69	66	64	59	74	74
		Heating Full	96	82	73	73	74	70	69	64	79	78
		FAN Only	93	79	68	70	69	66	64	59	74	74

