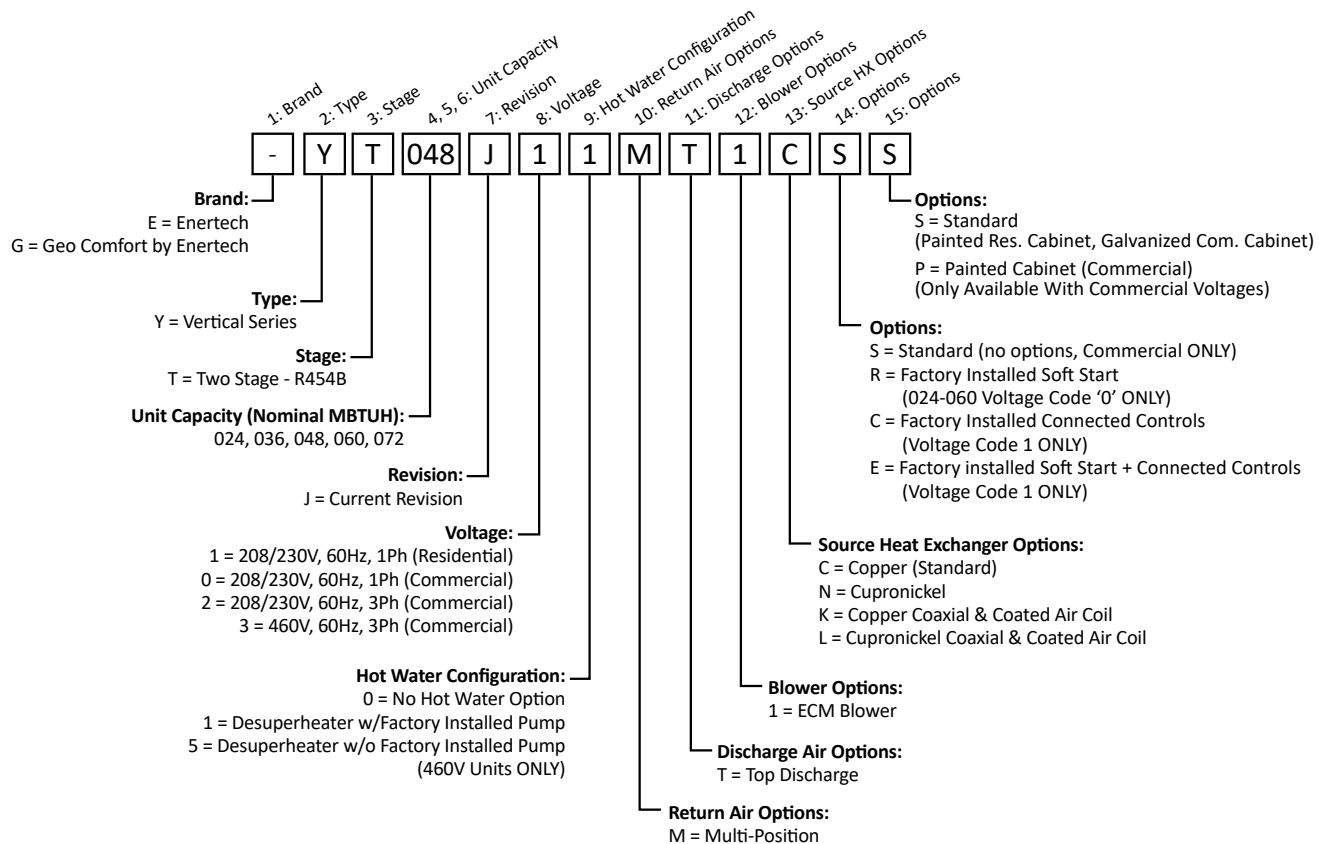


Nomenclature Decoder**AHRI Performance Data**

AHRI Performance Data								
Ground Loop Heat Pump								
Model	Full Load Cooling		Full Load Heating		Part Load Cooling		Part Load Heating	
	Btu/hr	EER	Btu/hr	COP	Btu/hr	EER	Btu/hr	COP
YT024	27,100	19.9	19,000	4.3	21,400	28.2	15,200	4.8
YT036	39,700	21.0	27,900	4.3	30,400	29.5	23,000	4.9
YT048	51,900	19.2	36,700	4.1	39,100	26.6	29,000	4.6
YT060	63,100	18.7	49,100	4.0	47,700	26.4	38,300	4.5
YT072	70,300	17.1	57,800	3.8	55,900	23.9	46,600	4.4
Ground Water Heat Pump								
Model	Full Load Cooling		Full Load Heating		Part Load Cooling		Part Load Heating	
	Btu/hr	EER	Btu/hr	COP	Btu/hr	EER	Btu/hr	COP
YT024	29,200	25.7	23,400	5.3	22,200	33.6	17,500	5.5
YT036	42,300	27.9	35,500	5.4	31,400	35.1	25,800	5.5
YT048	55,200	24.9	46,500	5.0	40,700	32.6	32,700	5.3
YT060	66,900	23.8	60,700	4.8	49,400	31.9	42,800	5.1
YT072	75,400	21.7	70,400	4.5	57,800	28.0	51,800	4.9

Notes:

Rated in accordance with ISO Standard 13256-1 which includes Pump Penalties.
 Heating capacities based on 68.0°F DB, 59.0°F WB entering air temperature.
 Cooling capacities based on 80.6°F DB, 66.2°F WB entering air temperature.
 GLHP - Entering water temperatures Full Load: 32°F heating / 77°F cooling.
 GLHP - Entering water temperatures Part Load: 41°F heating / 68°F cooling.
 GWHP - Entering water temperatures: 50°F heating / 59°F cooling.

Unit Physical Data

Dual Capacity Vertical					
Model Number	024	036	048	060	072
Fan Wheel (in.)	10 x 8	11 x 10	11 x 10	11 x 10	11 x 10
Fan Motor ECM (HP)	3/4	3/4	3/4	1	1
Refrigerant Charge (oz.)	52	60	60	80	79
Air Coil					
Face Area (Sq. Ft.)	3.51	4.76	4.76	5.65	5.65
Dimensions (in.)	25.5 x 19.8 x 1	28.9 x 23.7 x 1.26		32.8 x 24.8 x 1.26	
Number of Rows	N/A - Micro-Channel Coil				
Unit Weight lbs (shipping)	300	415	450	475	480

Notes:

Source water loop - residential models use 1" double o-ring fittings, commercial models use 1" FPT fittings.

All measurements are in inches.

All Desuperheater connections are 3/4" FPT.

Electrical connections are 1" for high voltage, 1/2" for low voltage

* Width excludes field installed factory supplied flanges.

ECM Fan Performance Data

*YT Series ECM Blower Performance Data: Two-Stage Compressor Units																		
Model	Max ESP in. w.c. ²	Program ³	Heating Mode		Cooling Mode		Dehumidification Mode		Fan Only	AUX/ EMG Heat	DIP Switch Settings							
			1st	2nd	1st	2nd	1st	2nd			S1	S2	S3	S4	S5	S6	S7	S8
024	1.4	A	790	1100	780	1040	670	880	520	1230	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		B	780	1010	770	1030	650	840	450	1190	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF
		C	670	900	670	890	510	760	420	1130	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF
		D	640	840	650	840	480	710	410	1100	ON	ON	OFF	OFF	ON	ON	OFF	OFF
036	1.1	A	1250	1520	1230	1560	1070	1330	760	1760	ON	OFF	ON	OFF	ON	OFF	OFF	OFF
		B	1130	1380	1130	1420	970	1210	690	1480	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		C	1030	1240	1010	1280	870	1080	620	1310	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
		D	930	1130	930	1170	800	990	500	1210	ON	ON	OFF	OFF	ON	ON	OFF	OFF
048	1.1	A	1570	1970	1680	1880	1440	1590	930	2020	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
		B	1420	1790	1530	1710	1310	1440	850	1880	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		C	1280	1600	1380	1540	1180	1290	770	1690	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
		D	1090	1370	1280	1420	1090	1200	690	1500	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF
060	1.2	A	1870	2160	1800	2170	1500	1825	1050	2380	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
		B	1680	1960	1610	1960	1370	1660	950	2170	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		C	1500	1750	1450	1770	1230	1490	850	1950	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
		D	1220	1440	1300	1580			740	1690	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF
072	1.2	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		B	1870	2160	1800	2170	1500	1830	1050	2390	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
		C	1680	1960	1610	1960			950	2180	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		D	1500	1750	1450	1770			850	1960	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF

Notes:

1. Program **B (Bold Type)** is factory settings and rated CFM. CFM is controlled within 5% up to the Max ESP.

2. Max ESP includes allowance for wet coil and NO FILTER

3. Power must be off to the unit for at least 3 seconds before the ECM motor will recognize a program change.

4. Max ESP for *YT024 models with internal electric heat is 0.5"; for *YT036 and *YT048 it is 0.6"; for *YT060 and *YT072 it is 0.7". Exceeding the Max ESP may result in nuisance trips of the electric heat. Thermal limits are rated at 100,000 cycles.

5. *YT060 models with 10kW internal electric heat cannot be set on the 'D' program.

***YT Series Dehumidification Mode Options**

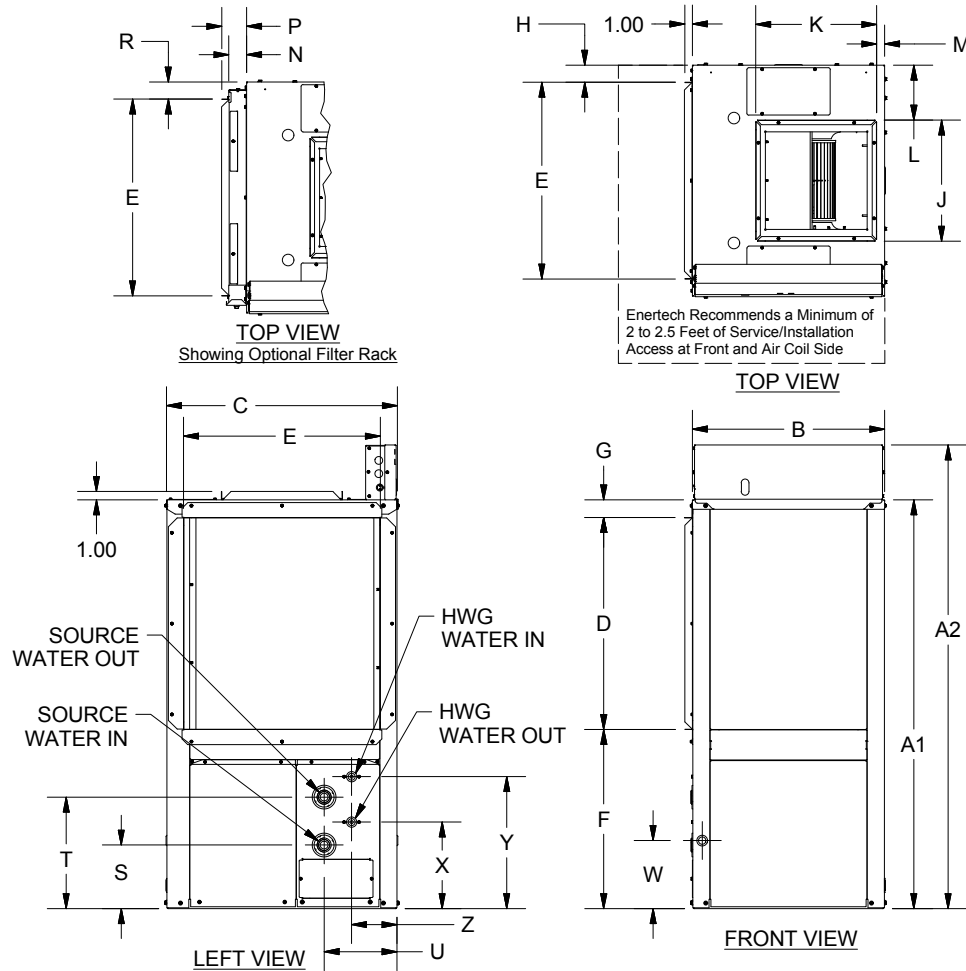
DIP Switch		Mode	Operation
S9	S10		
ON	OFF	Normal	Dehumidification mode disabled (Normal Htg/Clg CFM)-- Factory setting.
OFF	ON	ODD	On Demand Dehumidification mode (humidistat input at terminal ODD)-- Humidistat required.
OFF	OFF	Constant Dehum	Constant Dehumidification mode (always uses dehum CFM for cooling and normal CFM for heating)--No humidistat required.
ON	ON	Not Used	Not an applicable selection.

Notes:

1. To enter dehumidification mode, ODD input should be 0 VAC; for normal cooling CFM, ODD input should be 24 VAC.

2. Heating CFM is not affected by dehumidification mode. When in dehumidification mode, cooling CFM is 85% of normal CFM.

Unit Dimensional Data



Model	Without Control Box			With Control Box	Return Air Flange					Supply Air Flange				Optional Filter Rack		
	A1	*B	C	A2	D	E	F	G	H	J	K	L	M	N	P	R
024	46.0	23.0	26.5	53.25	25.0	20.0	19.1	1.92	3.63	11.62	12.5	7.44	1.05	2.34	3.00	3.63
036-048	54.0	25.4	30.5	61.2	28.0	26.0	23.7	2.34	2.25	16.0	16.0	7.26	1.60	2.34	3.29	2.25
060-072	58.4	25.4	30.5	65.6	32.0	26.0	24.0	2.34	2.25	16.0	16.0	7.26	1.60	2.34	3.29	2.25

Residential Double O-Ring Models							
Model	Source Water			Drain Ht.	HWG Water		
	S	T	U		W	X	Z
024	8.28	13.63	9.63	9.0	10.31	14.75	6.00
036-048	8.41	13.41	9.63	9.0	11.44	17.44	6.00
060-072	7.03	12.03	9.63	12.2	14.63	17.88	6.00

Commercial 1" FPT Models							
Model	Source Water			Drain Ht.	HWG Water		
	S	T	U		W	X	Z
024	8.28	13.63	9.63	9.0	10.31	14.75	6.00
036-048	8.41	14.73	9.63	9.0	11.44	17.44	6.00
060-072	5.56	12.21	9.63	12.2	14.63	17.88	6.00

Notes:

Source water loop - residential models use 1" double o-ring fittings, commercial models use 1" FPT fittings.
 All measurements are in inches.
 All Desuperheater (HWG) connections are 3/4" FPT fittings.
 Electrical connect. are 1" for high voltage, 1/2" for low voltage.
 *B (Unit Width) excludes field installed factory supplied flanges.

Unit Electrical Data

Model	Voltage Code/ HWG Option	60 Hz Power		Compressor		Fan Motor FLA	HWG Pump FLA	Ext. Loop Pump FLA	Total Unit FLA	Min Circuit AMPS	Max Brkr HACR
		Volts	Phase	LRA	RLA						
YT024	00	208/230	1	68.6/ 62.0	11.4/ 10.3	5.9/ 5.5	0.0	0.0	17.3/ 15.8	20.2/ 18.4	30/ 25
	01	208/230	1	68.6/ 62.0	11.4/ 10.3	5.9/ 5.5	0.6/ 0.5	0.0	17.9/ 16.3	20.8/ 18.9	30/ 25
	10	208/230	1	68.6/ 62.0	11.4/ 10.3	5.9/ 5.5	0.0	4.4/ 4.0	21.7/ 19.8	24.6/ 22.4	35/ 30
	11	208/230	1	68.6/ 62.0	11.4/ 10.3	5.9/ 5.5	0.6/ 0.5	4.4/ 4.0	22.3/ 20.3	25.2/ 22.9	35/ 30
	20	208/230	3	61.9/ 56.0	7.0/ 6.3	5.9/ 5.5	0.0	0.0	12.9/ 11.8	14.7/ 13.4	20/ 20
	21	208/230	3	61.9/ 56.0	7.0/ 6.3	5.9/ 5.5	0.6/ 0.5	0.0	13.5/ 12.3	15.3/ 13.9	20/ 20
	30/35	460	3	29.0	3.8	4.8	0.0	0.0	8.6	9.8	15
YT036	00	208/230	1	99.5/ 90.0	16.1/ 14.6	5.9/ 5.5	0.0	0.0	22.0/ 20.1	26.0/ 23.8	40/ 35
	01	208/230	1	99.5/ 90.0	16.1/ 14.6	5.9/ 5.5	0.6/ 0.5	0.0	22.6/ 20.6	26.6/ 24.3	40/ 35
	10	208/230	1	99.5/ 90.0	16.1/ 14.6	5.9/ 5.5	0.0	4.4/ 4.0	26.4/ 24.1	30.4/ 27.8	45/ 40
	11	208/230	1	99.5/ 90.0	16.1/ 14.6	5.9/ 5.5	0.6/ 0.5	4.4/ 4.0	27.0/ 24.6	31.0/ 28.3	45/ 40
	20	208/230	3	90.7/ 82.0	10.9/ 9.9	5.9/ 5.5	0.0	0.0	16.8/ 15.4	19.5/ 17.9	30/ 25
	21	208/230	3	90.7/ 82.0	10.9/ 9.9	5.9/ 5.5	0.6/ 0.5	0.0	17.4/ 15.9	20.1/ 18.4	30/ 25
	30/35	460	3	44.3	4.8	4.8	0.0	0.0	9.6	10.8	15
YT048	00	208/230	1	152.6/ 138.0	20.2/ 18.3	5.9/ 5.5	0.0	0.0	26.1/ 23.8	31.2/ 28.4	50/ 45
	01	208/230	1	152.6/ 138.0	20.2/ 18.3	5.9/ 5.5	0.6/ 0.5	0.0	26.7/ 24.3	31.8/ 28.9	50/ 45
	10	208/230	1	152.6/ 138.0	20.2/ 18.3	5.9/ 5.5	0.0	6.1/ 5.5	32.2/ 29.3	37.3/ 33.9	50/ 50
	11	208/230	1	152.6/ 138.0	20.2/ 18.3	5.9/ 5.5	0.6/ 0.5	6.1/ 5.5	32.8/ 29.8	37.9/ 34.4	50/ 50
	20	208/230	3	123.8/ 112.0	13.2/ 11.9	5.9/ 5.5	0.0	0.0	19.1/ 17.4	22.4/ 20.4	35/ 30
	21	208/230	3	123.8/ 112.0	13.2/ 11.9	5.9/ 5.5	0.6/ 0.5	0.0	19.7/ 17.9	23.0/ 20.9	35/ 30
	30/35	460	3	61.8	6.8	4.8	0.0	0.0	11.6	13.3	20
YT060	00	208/230	1	162.9/ 147.3	27.9/ 25.2	7.4/ 6.9	0.0	0.0	35.3/ 32.1	42.3/ 38.4	70/ 60
	01	208/230	1	162.9/ 147.3	27.9/ 25.2	7.4/ 6.9	0.6/ 0.5	0.0	35.9/ 32.6	42.9/ 38.9	70/ 60
	10	208/230	1	162.9/ 147.3	27.9/ 25.2	7.4/ 6.9	0.0	6.1/ 5.5	41.4/ 37.6	48.4/ 43.9	70/ 60
	11	208/230	1	162.9/ 147.3	27.9/ 25.2	7.4/ 6.9	0.6/ 0.5	6.1/ 5.5	42.0/ 38.1	49.0/ 44.4	70/ 70
	20	208/230	3	165.9/ 150.0	15.3/ 13.8	7.4/ 6.9	0.0	0.0	22.7/ 20.7	26.5/ 24.2	40/ 35
	21	208/230	3	165.9/ 150.0	15.3/ 13.8	7.4/ 6.9	0.6/ 0.5	0.0	23.3/ 21.2	27.1/ 24.7	40/ 35
	30/35	460	3	58.0	6.9	6.0	0.0	0.0	12.9	14.6	20
YT072	00	208/230	1	183.6/ 166.0	31.0/ 28.0	7.4/ 6.9	0.0	0.0	38.4/ 34.9	46.2/ 41.9	70/ 70
	01	208/230	1	183.6/ 166.0	31.0/ 28.0	7.4/ 6.9	0.6/ 0.5	0.0	39.0/ 35.4	46.8/ 42.4	70/ 70
	10	208/230	1	183.6/ 166.0	31.0/ 28.0	7.4/ 6.9	0.0	6.1/ 5.5	44.5/ 40.4	52.3/ 47.4	80/ 70
	11	208/230	1	183.6/ 166.0	31.0/ 28.0	7.4/ 6.9	0.6/ 0.5	6.1/ 5.5	45.1/ 40.9	52.9/ 47.9	80/ 70
	20	208/230	3	179.5/ 162.3	21.2/ 19.2	7.4/ 6.9	0.0	0.0	28.6/ 26.1	33.9/ 30.9	50/ 50
	21	208/230	3	179.5/ 162.3	21.2/ 19.2	7.4/ 6.9	0.6/ 0.5	0.0	29.2/ 26.6	34.5/ 31.4	50/ 50
	30/35	460	3	70.8	9.1	6.0	0.0	0.0	15.1	17.4	25

Notes:

1. All line and low voltage wiring must adhere to the National Electrical Code and local codes, whichever is the most stringent.
 2. In determining the correct supply wire size and maximum length, reference NFPA 70, Section 310. If the calculation is close to the maximum allowable ampacity of a particular wire size, use the next size up. This will ensure that no adverse effects occur, such as light dimming and/or shortened compressor life.
 3. Min/Max Voltage: 208/230/60 = 187-252, 460/60 = 432-502
 4. Units rated at 208/230V are factory wired for 230V. To change to 208V, the red transformer wire (with wire nut) will need to be hooked to the contactor in the position the current orange (230V) wire is. The orange wire will need to be capped off. Refer to wire diagram for details.
 5. See Wiring Diagrams for proper 460V power.
- *The external loop pump FLA is based on a maximum of three UP26-116F-230V pumps (1/2hp) for 048-072 and two pumps for 024-036.

Filter Performance

The blower performance data in the ECM Blower Performance table is WITHOUT FILTER. To determine the approximate blower performance WITH FILTER apply the filter pressure drop value for the filter being used or calculate the pressure drop as follows:

Below is typical filter performance data and should only be used as a guideline. Actual performance may vary between manufacturers.

Model	Return Size		
	Height (in.)	Width (in.)	Area (ft ²)
024	26	21	3.8
036	28	26	5.1
048			
060	32	26	5.8
072			
Filter Type	Thickness (in.)	Rated Velocity (fpm)	Initial Resistance (in. w.c.)
MERV 8	1	300	0.21
MERV 11	2	500	0.24
MERV 13	3	500	0.43

To calculate filter pressure drop:

$$\text{Filter } \Delta P_s = \left[\frac{\left[\frac{\text{CFM}}{\text{Area}} \right]}{\text{Rated Velocity}} \right] \times \text{Initial Resistance}$$

Example:

For an YT060 at an air flow of 1960 CFM calculate the filter pressure drop with a 2" MERV 11 filter and determine Total ESP and compare to Max ESP.

CFM = 1960
Area = 5.8 ft²
Rated Velocity = 500 fpm
Initial Resistance = 0.24 in.w.c.
Measured ESP without filter = 0.53

1. $1960 \text{ CFM} \div 5.8 \text{ ft}^2 = 338 \text{ fpm}$
2. $338 \text{ fpm} \div 500 \text{ fpm} = 0.676$
3. $0.676 \times 0.24 \text{ in.w.c.} = 0.16 \text{ in.w.c.} = \text{Filter Pressure Drop}$
4. Total ESP is $0.53 + 0.16 = 0.69 \text{ in.w.c.}$ which is less than the 1.2 in.w.c. Max ESP

Example:

For an YT036 at an air flow of 1420 CFM calculate the filter pressure drop with a 2" MERV 13 filter and determine Total ESP and compare to Max ESP.

CFM = 1420
Area = 5.1 ft²
Rated Velocity = 500 fpm
Initial Resistance = 0.43 in.w.c.
Measured ESP without filter = 0.53

1. $1420 \text{ CFM} \div 5.1 \text{ ft}^2 = 278 \text{ fpm}$
2. $278 \text{ fpm} \div 500 \text{ fpm} = 0.556$
3. $0.556 \times 0.43 \text{ in.w.c.} = 0.24 \text{ in.w.c.} = \text{Filter Pressure Drop}$
4. Total ESP is $0.36 + 0.24 = 0.6 \text{ in.w.c.}$ which is less than the 1.1 in.w.c. Max ESP

Applying Filter Pressure Drop to Determine Total ESP

To determine the Total ESP of a unit with the filter in place, follow the steps below:

1. Select the filter type and determine Rated Velocity and Initial Resistance
2. For the model being considered determine Max ESP, CFM and Return Area
3. Determine Filter pressure drop (ΔP_s) using the equation above
4. Measure (or calculate) the ESP without filter in place
5. Calculate Total ESP = Measured ESP + Filter Pressure Drop
6. Total ESP should be less than or equal to Max ESP

Glossary of Terms	
CFM = Airflow, Cubic Feet/Minute	HR = Total Heat Of Rejection, Btu/hr
COP = Coefficient of Performance = BTU Output / BTU Input	KW = Total Power Unit Input, Kilowatts
HE = Total Heat Of Extraction, Btu/hr	LAT = Leaving Air Temperature, Fahrenheit
EAT = Entering Air Temperature, Fahrenheit (Dry Bulb/Wet Bulb)	LC = Latent Cooling Capacity, Btu/hr
EER = Energy Efficiency Ratio = BTU output/Watts input	SC = Sensible Cooling Capacity, Btu/hr
EWT = Entering Source Water Temperature, Fahrenheit	LWT = Leaving Source Water Temperature, Fahrenheit
ELT = Entering Load Water Temperature, Fahrenheit	LLT = Leaving Load Water Temperature, Fahrenheit
GPM = Water Flow, Gallons Per Minute	TC = Total Cooling Capacity, Btu/hr
HC = Total Heating Capacity, Btu/hr	WPD = Water Pressure Drop, PSI & Feet of Water

Sensible Cooling Corrections Factor					
EAT (WB) °F	EAT (DB) °F				
	70	75	80	85	90
55	1.094	1.189	NA	NA	NA
60	0.901	1.101	1.273	NA	NA
65	0.692	0.899	1.099	1.305	NA
67	0.612	0.815	1.000	1.223	1.416
70	NA	0.837	0.891	1.099	1.302
75	NA	NA	0.681	0.879	1.088

Cooling Correction Factors			
EAT (WB) °F	TC	HR	kW
55	0.8215	0.8293	0.8635
60	0.8955	0.9001	0.9205
65	0.9701	0.9715	0.9774
67	1.0000	1.0000	1.0000
70	1.0446	1.0425	1.0335
75	1.1179	1.1124	1.0878

Heating and Cooling Calculations	
Heating	Cooling
$\text{LAT} = \text{EAT} + \frac{\text{HC}}{\text{CFM} \times 1.08}$	$\text{LAT (DB)} = \text{EAT (DB)} - \frac{\text{SC}}{\text{CFM} \times 1.08}$
$\text{LWT} = \text{EWT} - \frac{\text{HE}}{\text{GPM} \times 500}$	$\text{LWT} = \text{EWT} + \frac{\text{HR}}{\text{GPM} \times 500}$
$\text{LC} = \text{TC} - \text{SC}$	

Heating Correction Factors			
EAT °F	HC	HE	kW
50	1.0465	1.1188	0.8024
55	1.0351	1.0918	0.8436
60	1.0253	1.0645	0.8928
65	1.0108	1.0300	0.9454
70	1.0000	1.0000	1.0000
75	0.9895	0.9701	1.0553
80	0.9742	0.9489	1.0518

Water Flow Selection

Proper flow rate is crucial for reliable operation of geothermal heat pumps. The performance data shows three flow rates for each entering water temperature (EWT column). The general “rule of thumb” when selecting flow rates is the following:

- Top flow rate: Open loop systems (1.5 to 2.0 gpm per ton)
- Middle flow rate: Minimum closed loop system flow rate (2.25 to 2.50 gpm/ton)
- Bottom flow rate: Nominal (optimum) closed loop system flow rate (3.0 gpm/ton)

Although the industry standard is adequate in most areas of North America, it is important to consider the application type before applying this “rule of thumb.” Antifreeze is generally required for all closed loop (geothermal) applications. Extreme Southern U.S. locations are the only exception. Open loop (well water) systems cannot use antifreeze, and must have enough flow rate in order to avoid freezing conditions at the Leaving Source Water Temperature (LWT) connection.

Calculations must be made for all systems without antifreeze to determine if the top flow rate is adequate to prevent LWT at or near freezing conditions. The following steps should be taken in making this calculation:

1. Determine minimum EWT based upon your geographical area.
2. Go to the performance data table for the heat pump model selected and look up the Heat of Extraction (HE) at the “rule of thumb” water flow rate (GPM) and at the design Entering Air Temperature (EAT).
3. Calculate the temperature difference (TD) based upon the HE and GPM of the model.
4. $TD = HE / (GPM \times 485)$.
5. Calculate the LWT.
6. $LWT = EWT - TD$.
7. If the LWT is below 35-38°F, there is potential for freezing conditions if the flow rate or water temperature is less than ideal conditions, and the flow rate must be increased.

Example 1:

EWT = 50 °F

Model YT036, full load. Flow rate = 4.5 GPM.

Air Flow = 1370 CFM. HE = 28,900 Btuh.

$TD = 28,900 / (4.5 \times 485) = 13.2$ °F

$LWT = 50 - 13.2 = 36.8$ °F

Water flow rate is acceptable.

Example 2:

EWT = 40 °F

Model YT036, full load. Flow rate = 4.5 GPM.

Air Flow = 1370 CFM. HE = 24,800 Btuh.

$TD = 24,800 / (4.5 \times 485) = 11.4$ °F

$LWT = 40 - 11.6 = 28.6$ °F

Water flow rate must be increased to avoid freezing.

Performance Data Notes

1. Capacity data is based on 15% (by mass) methanol antifreeze solution (multiplier: 485).
2. Heating data is based on 70°F EAT. Cooling data is based on 80/67°F EAT. Any condition outside performance table(s) requires correction factor(s).
3. Performance data is accurate within ±15%.
4. Unit performance testing is run without hot water generation.
5. The capacity data includes fan power but does not include pump power. It also does not reflect any fan or pump power correction for AHRI/ISO rating conditions.
6. Performance data is based upon the lower voltage of dual voltage rated units.
7. Interpolation of unit performance data is permissible; extrapolation is not.
8. Performance data is a result of lab testing and is not related to warranty.
9. Due to variations in installation, actual unit performance may vary from the tabulated data.
10. See Flow Rate Selection above for proper application.
11. Continuous research and development may result in a change to the current product design and specifications without notice.

YT024 - Full Load

EWT	Flow	WPD		Full Load Heating						Full Load Cooling																																		
		PSI	FT	Aiflow	LAT (DB)	HC	HE	Power	COP	Aiflow	LAT (DB)	TC	SC	HR	Power	EER																												
°F	GPM			CFM	°F	MBtuh	MBtuh	kW	W/W	CFM	°F	MBtuh	MBtuh	MBtuh	kW	Btuh/W																												
25	6.0	6.6	15.2	870	90.0	18.8	14.2	1.38	3.98	Operation Not Recommended																																		
				990	87.6	18.9	14.3	1.36	4.05																																			
30	3.0	2.7	6.2	870	90.0	18.8	14.2	1.38	3.99								Operation Not Recommended																											
				990	87.6	18.8	14.3	1.36	4.06																																			
	4.5	4.4	10.0	870	90.9	19.6	15.0	1.39	4.13															Operation Not Recommended																				
				990	88.4	19.7	15.1	1.37	4.21																																			
	6.0	6.3	14.5	870	91.3	20.1	15.4	1.39	4.21																						Operation Not Recommended													
				990	88.8	20.1	15.5	1.37	4.29																																			
40	3.0	2.4	5.5	870	92.6	21.3	16.6	1.41	4.43																													890	61.7	27.9	17.2	31.8	1.01	27.5
				990	89.9	21.3	16.7	1.39	4.50																													1020	63.0	28.9	18.2	33.0	1.04	27.8
	4.5	3.8	8.9	870	93.6	22.2	17.5	1.42	4.58	Operation Not Recommended																																		
				990	90.8	22.3	17.6	1.40	4.67																																			
	6.0	5.6	12.9	870	94.2	22.7	18.0	1.42	4.67								Operation Not Recommended																											
				990	91.3	22.8	18.1	1.40	4.76																																			
50	3.0	2.2	5.1	870	95.4	23.8	19.2	1.41	4.96															890	59.7	29.3	19.0	33.7	1.16	25.3														
				990	92.4	23.9	19.3	1.39	5.05															1020	61.2	30.4	20.2	35.0	1.19	25.5														
	4.5	3.6	8.2	870	96.5	24.9	20.2	1.42	5.14															890	59.8	29.3	18.9	33.5	1.07	27.3														
				990	93.3	25.0	20.3	1.40	5.23															1020	61.3	30.5	20.1	34.8	1.10	27.6														
	6.0	5.1	11.9	870	97.1	25.5	20.7	1.42	5.24															890	60.0	29.3	18.8	33.3	1.03	28.5														
				990	93.9	25.5	20.9	1.40	5.33															1020	61.4	30.4	20.0	34.6	1.06	28.8														
60	3.0	2.1	4.7	870	98.1	26.4	21.5	1.48	5.21	890	58.2	29.9	20.4	34.9	1.32	22.5																												
				990	94.8	26.5	21.6	1.46	5.31	1020	59.8	31.0	21.7	36.2	1.36	22.8																												
	4.5	3.3	7.6	870	99.4	27.6	22.6	1.50	5.40	890	58.3	29.9	20.4	34.6	1.23	24.3																												
				990	95.9	27.7	22.8	1.47	5.50	1020	59.9	31.1	21.6	35.9	1.26	24.6																												
	6.0	4.8	11.1	870	100.0	28.2	23.2	1.50	5.51	890	58.4	29.9	20.2	34.4	1.17	25.4																												
				990	96.5	28.3	23.4	1.48	5.60	1020	60.0	31.0	21.5	35.7	1.21	25.6																												
70	3.0	1.9	4.5	870	100.9	29.0	23.9	1.53	5.54	890	57.5	29.6	21.1	35.2	1.51	19.6																												
				990	97.2	29.1	24.0	1.51	5.64	1020	59.1	30.7	22.4	36.5	1.55	19.8																												
	4.5	3.1	7.2	870	102.2	30.3	25.1	1.54	5.74	890	57.6	29.6	21.0	34.9	1.40	21.1																												
				990	98.4	30.3	25.3	1.52	5.84	1020	59.2	30.7	22.3	36.1	1.44	21.3																												
	6.0	4.5	10.4	870	103.0	31.0	25.8	1.55	5.85	890	57.7	29.6	20.9	34.6	1.34	22.0																												
				990	99.0	31.0	26.0	1.53	5.95	1020	59.3	30.7	22.2	35.9	1.38	22.3																												
80	3.0	1.8	4.2	870	103.5	31.5	26.2	1.59	5.82	890	57.5	28.6	21.1	34.8	1.71	16.7																												
				990	99.6	31.6	26.4	1.56	5.92	1020	59.1	29.6	22.4	36.1	1.76	16.8																												
	4.5	2.9	6.8	870	105.0	32.9	27.6	1.60	6.03	890	57.6	28.6	21.0	34.5	1.59	18.0																												
				990	100.8	33.0	27.7	1.57	6.14	1020	59.2	29.7	22.3	35.7	1.63	18.2																												
	6.0	4.3	9.8	870	105.8	33.7	28.3	1.60	6.15	890	57.7	28.6	20.9	34.2	1.52	18.8																												
				990	101.6	33.7	28.5	1.58	6.25	1020	59.4	29.7	22.2	35.5	1.56	18.9																												
90	3.0	1.7	4.0	870	106.2	34.0	28.5	1.64	6.07	890	58.0	27.2	20.6	34.2	1.94	14.0																												
				990	101.9	34.1	28.7	1.62	6.18	1020	59.6	28.2	21.9	35.4	1.99	14.1																												
	4.5	2.8	6.4	870	107.8	35.5	30.0	1.65	6.29	890	58.1	27.2	20.6	33.8	1.80	15.1																												
				990	103.3	35.6	30.2	1.63	6.40	1020	59.7	28.3	21.8	35.0	1.85	15.2																												
	6.0	4.0	9.3	870	108.6	36.3	30.8	1.66	6.41	890	58.2	27.2	20.4	33.5	1.72	15.7																												
				990	104.0	36.4	31.0	1.63	6.52	1020	59.8	28.3	21.7	34.7	1.77	15.9																												
100	3.0	1.6	3.7	Operation Not Recommended						890	58.6	25.8	20.1	33.7	2.22	11.6																												
										1020	60.1	26.7	21.3	34.9	2.28	11.7																												
	4.5	2.6	5.9							890	58.7	25.8	20.0	33.2	2.06	12.5																												
										1020	60.2	26.8	21.3	34.4	2.11	12.6																												
	6.0	3.7	8.6							890	58.8	25.8	19.9	32.9	1.97	13.0																												
										1020	60.3	26.8	21.1	34.0	2.02	13.2																												
110	3.0	1.5	3.5							890	59.2	24.2	19.5	33.3	2.57	9.4																												
										1020	60.7	25.2	20.7	34.5	2.64	9.5																												
	4.5	2.5	5.7							890	59.3	24.3	19.4	32.7	2.39	10.1																												
										1020	60.8	25.2	20.7	33.9	2.45	10.2																												
	6.0	3.6	8.3							890	59.4	24.3	19.3	32.4	2.28	10.6																												
										1020	60.9	25.2	20.5	33.5	2.35	10.7																												
120	3.0	1.5	3.4							890	60.2	22.3	18.6	32.9	3.05	7.3																												
										1020	61.6	23.1	19.8	34.1	3.14	7.3																												
	4.5	2.4	5.5							890	60.2	22.3	18.5	32.2	2.83	7.8																												
										1020	61.7	23.2	19.7	33.4	2.91	7.9																												
	6.0	3.5	8.0							890	60.4	22.3	18.4	31.8	2.71	8.2																												
										1020	61.8	23.2	19.6	32.9	2.79	8.3																												

YT024 - Part Load

EWT	Flow	WPD		Part Load Heating						Part Load Cooling													
		PSI	FT	Aiflow	LAT (DB)	HC	HE	Power	COP	Aiflow	LAT (DB)	TC	SC	HR	Power	EER							
°F	GPM			CFM	°F	MBtuh	MBtuh	kW	W/W	CFM	°F	MBtuh	MBtuh	MBtuh	kW	Btuh/W							
25	4.0	3.8	8.8	680	87.3	12.7	9.2	1.05	3.54	Operation Not Recommended													
				780	85.2	12.8	9.4	1.03	3.66														
30	2.0	1.8	4.2	680	87.3	12.7	9.2	1.06	3.52														
				780	85.3	12.9	9.4	1.04	3.63														
	3.0	2.6	6.1	680	88.3	13.4	9.9	1.05	3.74														
				780	86.1	13.6	10.2	1.03	3.86														
	4.0	3.6	8.4	680	88.8	13.8	10.3	1.05	3.84														
				780	86.6	13.9	10.5	1.03	3.97														
40	2.0	1.6	3.8	680	90.0	14.7	11.2	1.04	4.11								680	62.6	20.2	12.5	22.6	0.62	32.7
				780	87.6	14.8	11.4	1.02	4.25								780	63.7	21.0	13.4	23.5	0.63	33.4
	3.0	2.4	5.5	680	91.1	15.5	12.0	1.04	4.37	Operation Not Recommended													
				780	88.6	15.7	12.3	1.01	4.52														
	4.0	3.3	7.5	680	91.6	15.9	12.4	1.04	4.49														
				780	89.1	16.1	12.7	1.01	4.64														
50	2.0	1.5	3.5	680	92.5	16.5	13.1	1.04	4.64	680	60.6	21.3	13.9	24.1	0.72	29.3							
				780	89.9	16.7	13.3	1.02	4.80	780	61.9	22.2	14.9	25.1	0.74	29.9							
	3.0	2.2	5.1	680	93.8	17.5	14.0	1.04	4.93	680	60.6	21.4	13.9	24.0	0.65	32.9							
				780	91.0	17.7	14.3	1.01	5.10	780	61.9	22.3	14.8	25.0	0.66	33.6							
	4.0	3.0	7.0	680	94.4	17.9	14.5	1.04	5.07	680	60.6	21.5	13.9	23.9	0.61	35.2							
				780	91.5	18.1	14.8	1.01	5.24	780	61.9	22.4	14.9	24.9	0.62	36.0							
60	2.0	1.4	3.3	680	95.0	18.4	14.9	1.04	5.19	680	59.0	21.7	15.1	25.0	0.86	25.2							
				780	92.1	18.6	15.2	1.02	5.36	780	60.4	22.6	16.1	26.0	0.88	25.8							
	3.0	2.1	4.8	680	96.4	19.4	16.0	1.03	5.51	680	59.0	21.9	15.0	24.9	0.77	28.3							
				780	93.3	19.6	16.3	1.01	5.70	780	60.4	22.8	16.1	25.9	0.79	29.0							
	4.0	2.8	6.6	680	97.1	19.9	16.5	1.03	5.66	680	59.0	21.9	15.0	24.8	0.72	30.3							
				780	93.9	20.1	16.8	1.01	5.85	780	60.4	22.8	16.1	25.7	0.74	31.0							
70	2.0	1.3	3.1	680	97.4	20.1	16.6	1.04	5.65	680	58.2	21.4	15.6	25.2	1.02	21.0							
				780	94.1	20.3	16.9	1.02	5.84	780	59.6	22.3	16.7	26.2	1.04	21.5							
	3.0	2.0	4.5	680	98.9	21.2	17.8	1.03	6.00	680	58.2	21.6	15.6	25.0	0.91	23.6							
				780	95.5	21.5	18.1	1.01	6.20	780	59.7	22.5	16.7	26.0	0.93	24.1							
	4.0	2.7	6.2	680	99.6	21.8	18.3	1.03	6.17	680	58.2	21.6	15.6	24.9	0.85	25.3							
				780	96.2	22.0	18.7	1.01	6.37	780	59.7	22.5	16.7	25.9	0.87	25.8							
80	2.0	1.3	3.0	680	99.6	21.7	18.3	1.04	6.13	680	58.1	20.6	15.7	25.0	1.20	17.1							
				780	96.1	22.0	18.6	1.02	6.33	780	59.6	21.4	16.8	26.0	1.22	17.5							
	3.0	1.9	4.3	680	101.2	22.9	19.5	1.03	6.51	680	58.2	20.7	15.6	24.7	1.07	19.2							
				780	97.5	23.2	19.8	1.01	6.73	780	59.6	21.6	16.7	25.7	1.10	19.6							
	4.0	2.6	5.9	680	102.0	23.5	20.1	1.03	6.69	680	58.1	20.8	15.6	24.5	1.01	20.6							
				780	98.3	23.8	20.5	1.01	6.91	780	59.6	21.6	16.7	25.5	1.03	21.0							
90	2.0	1.2	2.8	680	101.8	23.3	19.9	1.04	6.60	680	58.6	19.4	15.3	24.5	1.40	13.8							
				780	98.0	23.6	20.2	1.01	6.82	780	60.0	20.3	16.4	25.4	1.43	14.1							
	3.0	1.8	4.1	680	103.5	24.6	21.2	1.03	7.01	680	58.6	19.6	15.3	24.2	1.26	15.5							
				780	99.6	24.9	21.6	1.01	7.25	780	60.1	20.4	16.4	25.1	1.28	15.8							
	4.0	2.4	5.6	680	104.4	25.3	21.9	1.03	7.20	680	58.6	19.6	15.3	23.9	1.18	16.6							
				780	100.4	25.6	22.2	1.01	7.45	780	60.1	20.4	16.4	24.9	1.20	17.0							
100	2.0	1.1	2.6	Operation Not Recommended						680	59.3	18.2	14.9	24.0	1.64	11.1							
										780	60.7	19.0	15.9	24.9	1.67	11.3							
	3.0	1.7	3.8							680	59.3	18.4	14.8	23.6	1.47	12.5							
										780	60.7	19.1	15.8	24.5	1.50	12.7							
	4.0	2.3	5.2							680	59.3	18.4	14.8	23.3	1.37	13.4							
										780	60.7	19.2	15.9	24.2	1.40	13.6							
110	2.0	1.1	2.5							680	60.0	17.0	14.3	23.6	1.90	8.9							
										780	61.3	17.7	15.3	24.5	1.94	9.1							
	3.0	1.6	3.7							680	60.0	17.1	14.3	23.1	1.70	10.0							
										780	61.4	17.8	15.3	23.9	1.74	10.2							
	4.0	2.2	5.0							680	60.0	17.1	14.3	22.8	1.59	10.7							
										780	61.4	17.8	15.3	23.6	1.63	10.9							
120	2.0	1.0	2.4							680	60.8	15.2	13.7	22.9	2.21	6.9							
										780	62.1	15.9	14.7	23.7	2.25	7.0							
	3.0	1.5	3.5							680	60.9	15.3	13.7	22.2	1.98	7.7							
										780	62.2	16.0	14.7	23.0	2.02	7.9							
	4.0	2.1	4.8							680	60.9	15.4	13.7	21.8	1.85	8.3							
										780	62.1	16.0	14.7	22.6	1.89	8.4							

YT036 - Full Load

EWT	Flow	WPD		Full Load Heating						Full Load Cooling													
		PSI	FT	Aiflow	LAT (DB)	HC	HE	Power	COP	Aiflow	LAT (DB)	TC	SC	HR	Power	EER							
°F	GPM			CFM	°F	MBtuh	MBtuh	kW	W/W	CFM	°F	MBtuh	MBtuh	MBtuh	kW	Btuh/W							
25	9.0	5.6	13.0	1200	91.1	27.3	20.5	2.08	3.85	Operation Not Recommended													
				1370	88.8	27.8	21.1	2.04	3.99														
30	4.5	2.1	4.9	1200	90.9	27.1	20.3	2.08	3.81														
				1370	88.7	27.6	20.9	2.05	3.95														
	6.8	3.7	8.5	1200	92.0	28.5	21.6	2.10	3.97														
				1370	89.6	29.0	22.2	2.06	4.12														
	9.0	5.4	12.4	1200	92.6	29.3	22.3	2.11	4.06														
				1370	90.1	29.8	22.9	2.07	4.21														
40	4.5	1.9	4.3	1200	94.1	31.2	24.1	2.15	4.24								1220	61.9	36.8	23.4	41.7	1.38	26.6
				1370	91.5	31.7	24.8	2.11	4.40								1390	63.2	37.8	24.9	42.8	1.42	26.5
	6.8	3.2	7.4	1200	95.3	32.8	25.6	2.17	4.41	Operation Not Recommended													
				1370	92.5	33.4	26.3	2.13	4.58														
	9.0	4.7	10.9	1200	95.9	33.6	26.4	2.18	4.51														
				1370	93.1	34.2	27.2	2.14	4.67														
50	4.5	1.7	4.0	1200	97.2	35.3	28.2	2.15	4.79	1220	58.5	43.6	27.9	49.4	1.63	26.7							
				1370	94.3	35.9	28.9	2.11	4.97	1390	59.9	44.8	29.7	50.8	1.68	26.7							
	6.8	3.0	6.8	1200	98.6	37.1	29.9	2.17	4.99	1220	58.3	44.0	28.1	49.5	1.53	28.8							
				1370	95.5	37.7	30.7	2.13	5.18	1390	59.8	45.2	29.9	50.8	1.57	28.7							
	9.0	4.3	10.0	1200	99.3	38.0	30.8	2.18	5.10	1220	58.3	44.3	28.2	49.6	1.48	30.0							
				1370	96.2	38.7	31.6	2.14	5.29	1390	59.7	45.5	30.0	51.0	1.52	30.0							
60	4.5	1.6	3.7	1200	100.4	39.4	31.9	2.28	5.06	1220	58.3	43.4	28.2	50.1	1.88	23.1							
				1370	97.1	40.1	32.8	2.24	5.25	1390	59.7	44.6	30.0	51.4	1.93	23.1							
	6.8	2.7	6.3	1200	102.0	41.4	33.8	2.30	5.27	1220	58.1	43.8	28.4	50.0	1.75	24.9							
				1370	98.5	42.2	34.7	2.26	5.46	1390	59.6	45.0	30.2	51.4	1.80	24.9							
	9.0	4.0	9.3	1200	102.8	42.5	34.9	2.31	5.38	1220	58.1	44.1	28.5	50.2	1.69	26.0							
				1370	99.2	43.3	35.8	2.27	5.58	1390	59.5	45.3	30.3	51.5	1.74	26.0							
70	4.5	1.5	3.5	1200	104.0	44.0	36.2	2.37	5.43	1220	58.9	41.5	27.4	48.8	2.10	19.7							
				1370	100.3	44.8	37.2	2.33	5.63	1390	60.3	42.6	29.1	50.2	2.16	19.7							
	6.8	2.6	6.0	1200	105.7	46.3	38.4	2.40	5.65	1220	58.7	41.9	27.6	48.8	1.97	21.2							
				1370	101.9	47.1	39.4	2.35	5.86	1390	60.2	43.0	29.3	50.1	2.02	21.2							
	9.0	3.8	8.7	1200	106.6	47.5	39.5	2.41	5.77	1220	58.7	42.2	27.6	48.8	1.90	22.2							
				1370	102.7	48.3	40.6	2.36	5.99	1390	60.1	43.3	29.4	50.2	1.95	22.1							
80	4.5	1.4	3.3	1200	108.1	49.3	41.1	2.51	5.76	1220	59.4	39.8	26.7	47.8	2.32	17.1							
				1370	103.9	50.2	42.1	2.46	5.97	1390	60.8	40.9	28.4	49.1	2.39	17.1							
	6.8	2.4	5.6	1200	110.0	51.8	43.5	2.53	6.00	1220	59.3	40.1	26.9	47.7	2.17	18.4							
				1370	105.7	52.8	44.6	2.48	6.22	1390	60.6	41.2	28.6	49.0	2.23	18.4							
	9.0	3.6	8.3	1200	111.0	53.2	44.8	2.54	6.13	1220	59.2	40.4	27.0	47.7	2.10	19.2							
				1370	106.6	54.1	45.9	2.50	6.35	1390	60.6	41.5	28.7	49.0	2.16	19.2							
90	4.5	1.3	3.1	1200	112.3	54.8	46.1	2.65	6.05	1220	59.8	38.3	26.3	47.2	2.58	14.8							
				1370	107.7	55.8	47.2	2.61	6.27	1390	61.1	39.3	27.9	48.5	2.65	14.8							
	6.8	2.3	5.4	1200	114.4	57.6	48.8	2.68	6.29	1220	59.6	38.6	26.5	47.0	2.41	16.0							
				1370	109.6	58.7	50.0	2.63	6.53	1390	61.0	39.7	28.1	48.2	2.48	16.0							
	9.0	3.4	7.9	1200	115.6	59.1	50.2	2.69	6.43	1220	59.6	38.9	26.5	47.0	2.33	16.7							
				1370	110.7	60.2	51.5	2.64	6.67	1390	60.9	40.0	28.2	48.3	2.39	16.6							
100	4.5	1.2	2.9	Operation Not Recommended						1220	60.3	36.3	25.6	46.2	2.89	12.5							
										1390	61.6	37.3	27.2	47.5	2.97	12.5							
	6.8	2.1	4.9							1220	60.1	36.7	25.8	45.9	2.70	13.5							
										1390	61.4	37.6	27.4	47.2	2.78	13.5							
	9.0	3.1	7.3							1220	60.1	36.9	25.9	45.9	2.61	14.1							
										1390	61.4	37.9	27.5	47.1	2.68	14.1							
110	4.5	1.2	2.7							1220	61.1	33.7	24.6	44.8	3.26	10.3							
										1390	62.3	34.6	26.1	46.0	3.34	10.3							
	6.8	2.0	4.7							1220	60.9	34.0	24.7	44.4	3.05	11.1							
										1390	62.2	34.9	26.3	45.6	3.13	11.1							
	9.0	3.0	7.0							1220	60.9	34.2	24.8	44.3	2.94	11.6							
										1390	62.2	35.2	26.4	45.5	3.02	11.6							
120	4.5	1.1	2.6							1220	61.6	32.0	23.9	44.3	3.64	8.7							
										1390	62.8	32.9	25.4	45.5	3.74	8.7							
	6.8	2.0	4.5							1220	61.4	32.3	24.1	43.8	3.41	9.4							
										1390	62.7	33.1	25.6	45.0	3.50	9.4							
	9.0	2.9	6.6							1220	61.4	32.5	24.2	43.7	3.29	9.8							
										1390	62.6	33.4	25.7	44.9	3.38	9.8							

YT036 - Part Load

EWT	Flow	WPD		Part Load Heating						Part Load Cooling						
		PSI	FT	Aiflow CFM	LAT (DB) °F	HC MBtuh	HE MBtuh	Power kW	COP W/W	Aiflow CFM	LAT (DB) °F	TC MBtuh	SC MBtuh	HR MBtuh	Power kW	EER Btuh/W
25	6.0	3.1	7.2	1010	87.4	19.0	13.7	1.61	3.45	Operation Not Recommended						
				1150	85.7	19.5	14.3	1.58	3.61							
30	3.0	1.3	3.1	1010	87.6	19.2	13.9	1.61	3.50							
				1150	85.9	19.7	14.5	1.58	3.66							
	4.5	2.1	4.8	1010	88.5	20.2	14.9	1.59	3.71							
				1150	86.7	20.7	15.6	1.56	3.88							
40	6.0	3.0	6.9	1010	89.0	20.8	15.5	1.59	3.83							
				1150	87.2	21.3	16.2	1.56	4.01							
	3.0	1.2	2.8	1010	90.4	22.2	16.9	1.61	4.04	1000	60.2	32.6	21.1	36.0	0.92	35.3
				1150	88.4	22.8	17.6	1.58	4.22	1140	61.3	33.2	22.7	36.6	0.94	35.1
	4.5	1.8	4.2	1010	91.4	23.4	18.1	1.60	4.28	Operation Not Recommended						
				1150	89.3	24.0	18.8	1.57	4.48							
50	6.0	2.7	6.2	1010	92.0	24.0	18.8	1.59	4.42							
				1150	89.9	24.7	19.5	1.56	4.62							
	3.0	1.1	2.6	1010	93.0	25.1	19.8	1.61	4.56	1000	59.3	33.1	22.0	37.0	1.07	30.9
				1150	90.7	25.8	20.5	1.58	4.77	1140	60.5	33.6	23.7	37.6	1.09	30.8
	4.5	1.7	3.9	1010	94.2	26.4	21.1	1.60	4.83	1000	59.1	33.4	22.2	36.9	0.96	34.7
				1150	91.8	27.1	21.9	1.57	5.05	1140	60.3	33.9	23.9	37.5	0.98	34.5
60	6.0	2.5	5.7	1010	94.9	27.1	21.9	1.59	4.99	1000	59.1	33.7	22.2	37.0	0.90	37.2
				1150	92.4	27.8	22.7	1.56	5.22	1140	60.3	34.2	23.9	37.6	0.92	37.0
	3.0	1.0	2.4	1010	95.7	28.0	22.7	1.61	5.10	1000	59.6	32.0	21.7	36.5	1.26	25.4
				1150	93.2	28.8	23.6	1.58	5.34	1140	60.8	32.6	23.3	37.1	1.28	25.3
	4.5	1.6	3.7	1010	97.0	29.5	24.2	1.60	5.41	1000	59.5	32.3	21.8	36.4	1.13	28.5
				1150	94.4	30.3	25.1	1.57	5.66	1140	60.6	32.9	23.5	37.0	1.16	28.4
70	6.0	2.3	5.3	1010	97.8	30.3	25.1	1.59	5.58	1000	59.4	32.6	21.9	36.4	1.06	30.6
				1150	95.1	31.1	26.0	1.56	5.84	1140	60.6	33.1	23.6	37.0	1.09	30.4
	3.0	1.0	2.3	1010	98.7	31.3	26.0	1.61	5.71	1000	60.1	30.6	21.1	35.8	1.47	20.8
				1150	95.9	32.2	27.0	1.58	5.98	1140	61.3	31.1	22.7	36.4	1.50	20.7
	4.5	1.5	3.5	1010	100.2	33.0	27.7	1.59	6.06	1000	60.0	30.9	21.3	35.6	1.32	23.3
				1150	97.2	33.8	28.7	1.56	6.34	1140	61.1	31.4	22.9	36.2	1.35	23.2
80	6.0	2.2	5.0	1010	101.1	33.9	28.6	1.59	6.26	1000	59.9	31.1	21.4	35.6	1.24	25.0
				1150	98.0	34.8	29.6	1.56	6.54	1140	61.1	31.6	23.0	36.2	1.27	24.9
	3.0	0.9	2.2	1010	102.2	35.1	29.7	1.63	6.31	1000	60.5	29.2	20.7	35.1	1.71	17.1
				1150	99.0	36.0	30.8	1.60	6.60	1140	61.6	29.7	22.3	35.7	1.74	17.0
	4.5	1.4	3.3	1010	103.8	36.9	31.6	1.62	6.69	1000	60.4	29.5	20.9	34.8	1.53	19.2
				1150	100.5	37.9	32.7	1.59	7.00	1140	61.5	30.0	22.4	35.4	1.57	19.1
90	6.0	2.1	4.8	1010	104.8	38.0	32.7	1.61	6.91	1000	60.3	29.7	20.9	34.8	1.44	20.5
				1150	101.4	39.0	33.8	1.58	7.23	1140	61.4	30.2	22.5	35.4	1.47	20.4
	3.0	0.9	2.0	1010	105.9	39.1	33.7	1.66	6.92	1000	60.9	27.7	20.3	34.5	1.98	14.0
				1150	102.4	40.2	34.8	1.62	7.24	1140	62.0	28.2	21.8	35.1	2.02	13.9
	4.5	1.4	3.1	1010	107.7	41.2	35.8	1.64	7.34	1000	60.8	28.0	20.5	34.1	1.78	15.7
				1150	104.0	42.3	37.0	1.61	7.68	1140	61.9	28.4	22.0	34.7	1.82	15.6
100	6.0	2.0	4.5	1010	108.8	42.3	36.9	1.64	7.58	1000	60.7	28.2	20.5	34.0	1.67	16.8
				1150	105.0	43.4	38.2	1.61	7.93	1140	61.8	28.7	22.1	34.6	1.71	16.7
	3.0	0.8	1.9	Operation Not Recommended						1000	61.5	26.0	19.7	33.8	2.29	11.3
										1140	62.5	26.4	21.2	34.4	2.34	11.2
	4.5	1.2	2.9							1000	61.3	26.2	19.9	33.3	2.06	12.7
										1140	62.4	26.7	21.4	33.9	2.10	12.6
	6.0	1.8	4.1							1000	61.3	26.4	19.9	33.1	1.94	13.6
										1140	62.3	26.9	21.4	33.7	1.98	13.5
110	3.0	0.8	1.8							1000	62.3	24.0	18.9	33.0	2.65	9.0
										1140	63.3	24.4	20.3	33.5	2.70	9.0
	4.5	1.2	2.7							1000	62.1	24.2	19.0	32.3	2.38	10.1
										1140	63.1	24.6	20.4	32.9	2.43	10.1
	6.0	1.7	3.9							1000	62.1	24.4	19.1	32.0	2.24	10.9
										1140	63.1	24.8	20.5	32.6	2.29	10.8
120	3.0	0.8	1.8							1000	62.9	22.3	18.2	32.5	3.02	7.3
										1140	63.9	22.7	19.6	33.1	3.09	7.3
	4.5	1.1	2.6							1000	62.8	22.5	18.3	31.7	2.72	8.2
										1140	63.7	22.9	19.7	32.3	2.78	8.2
	6.0	1.7	3.8							1000	62.7	22.7	18.4	31.4	2.56	8.8
										1140	63.7	23.1	19.8	31.9	2.61	8.8

YT048 - Full Load

EWT	Flow	WPD		Full Load Heating						Full Load Cooling													
		PSI	FT	Aiflow	LAT (DB)	HC	HE	Power	COP	Aiflow	LAT (DB)	TC	SC	HR	Power	EER							
°F	GPM			CFM	°F	MBtuh	MBtuh	kW	W/W	CFM	°F	MBtuh	MBtuh	MBtuh	kW	Btuh/W							
25	12.0	8.9	20.5	1580	91.1	36.1	26.9	2.73	3.88	Operation Not Recommended													
				1810	88.4	36.2	27.1	2.70	3.93														
30	6.0	3.5	8.0	1580	90.8	35.7	26.6	2.70	3.87														
				1810	88.2	35.8	26.8	2.67	3.92														
	9.0	5.8	13.3	1580	91.9	37.5	28.2	2.74	4.01														
				1810	89.1	37.6	28.4	2.71	4.06														
	12.0	8.5	19.6	1580	92.5	38.6	29.3	2.76	4.09														
				1810	89.7	38.7	29.5	2.73	4.15														
40	6.0	3.0	6.9	1580	93.5	40.4	31.0	2.77	4.26								1510	58.9	54.6	33.7	61.9	2.04	26.7
				1810	90.6	40.5	31.2	2.74	4.32								1720	60.0	56.4	36.3	64.0	2.11	26.6
	9.0	5.0	11.4	1580	94.7	42.4	32.8	2.81	4.42	Operation Not Recommended													
				1810	91.6	42.5	33.1	2.78	4.47														
	12.0	7.4	17.1	1580	95.4	43.6	34.0	2.83	4.51														
				1810	92.3	43.8	34.2	2.81	4.57														
50	6.0	2.7	6.3	1580	96.6	45.7	36.2	2.77	4.82	1510	57.7	56.0	35.7	64.2	2.29	24.5							
				1810	93.3	45.8	36.5	2.74	4.89	1720	58.9	57.9	38.4	66.3	2.37	24.4							
	9.0	4.6	10.5	1580	97.9	47.9	38.4	2.81	5.00	1510	57.6	56.4	35.8	64.1	2.15	26.2							
				1810	94.5	48.1	38.6	2.78	5.06	1720	58.8	58.3	38.5	66.3	2.23	26.1							
	12.0	6.8	15.7	1580	98.8	49.4	39.7	2.83	5.10	1510	57.6	56.6	35.9	64.0	2.07	27.3							
				1810	95.2	49.5	39.9	2.81	5.17	1720	58.8	58.5	38.6	66.2	2.15	27.2							
60	6.0	2.6	5.9	1580	100.1	51.7	41.5	2.98	5.08	1510	57.7	54.8	35.6	63.8	2.54	21.5							
				1810	96.4	51.8	41.8	2.95	5.15	1720	59.0	56.7	38.3	65.9	2.63	21.5							
	9.0	4.3	9.8	1580	101.6	54.3	44.0	3.02	5.26	1510	57.7	55.2	35.7	63.7	2.39	23.1							
				1810	97.7	54.4	44.2	2.99	5.33	1720	58.9	57.1	38.4	65.8	2.47	23.0							
	12.0	6.4	14.7	1580	102.6	55.9	45.5	3.05	5.37	1510	57.6	55.4	35.8	63.6	2.30	24.0							
				1810	98.5	56.0	45.7	3.02	5.44	1720	58.8	57.2	38.5	65.7	2.39	23.9							
70	6.0	2.4	5.6	1580	103.9	58.2	47.5	3.12	5.46	1510	58.2	53.0	34.9	62.8	2.81	18.8							
				1810	99.7	58.3	47.8	3.09	5.53	1720	59.4	54.7	37.5	64.9	2.92	18.7							
	9.0	4.0	9.3	1580	105.6	61.1	50.3	3.16	5.65	1510	58.1	53.3	35.0	62.6	2.64	20.1							
				1810	101.2	61.2	50.5	3.13	5.73	1720	59.3	55.1	37.7	64.7	2.74	20.1							
	12.0	6.0	13.9	1580	106.7	62.9	52.0	3.19	5.77	1510	58.1	53.5	35.1	62.5	2.55	20.9							
				1810	102.1	63.1	52.3	3.16	5.84	1720	59.3	55.3	37.7	64.6	2.64	20.9							
80	6.0	2.3	5.3	1580	107.8	64.8	53.6	3.28	5.78	1510	58.7	51.1	34.1	61.9	3.12	16.3							
				1810	103.1	65.0	53.8	3.25	5.86	1720	59.8	52.8	36.7	64.0	3.23	16.3							
	9.0	3.8	8.8	1580	109.6	68.0	56.6	3.33	5.99	1510	58.6	51.4	34.2	61.7	2.93	17.5							
				1810	104.7	68.2	56.9	3.29	6.06	1720	59.8	53.1	36.8	63.7	3.04	17.4							
	12.0	5.7	13.2	1580	110.8	70.0	58.5	3.36	6.11	1510	58.5	51.6	34.3	61.5	2.83	18.2							
				1810	105.7	70.2	58.8	3.32	6.19	1720	59.7	53.3	36.9	63.6	2.93	18.1							
90	6.0	2.2	5.1	1580	111.6	71.4	59.6	3.45	6.06	1510	59.1	49.1	33.4	61.1	3.48	14.1							
				1810	106.4	71.6	59.9	3.41	6.14	1720	60.3	50.7	35.9	63.2	3.60	14.0							
	9.0	3.6	8.4	1580	113.7	75.0	63.0	3.50	6.28	1510	59.1	49.4	33.5	60.8	3.27	15.1							
				1810	108.2	75.2	63.3	3.46	6.36	1720	60.2	51.1	36.0	62.8	3.39	15.0							
	12.0	5.4	12.6	1580	115.0	77.2	65.1	3.53	6.41	1510	59.0	49.6	33.5	60.6	3.15	15.7							
				1810	109.4	77.4	65.4	3.49	6.49	1720	60.2	51.3	36.1	62.6	3.27	15.6							
100	6.0	2.0	4.6	Operation Not Recommended						1510	59.7	46.7	32.4	60.1	3.89	12.0							
										1720	60.8	48.3	34.9	62.1	4.03	11.9							
	9.0	3.3	7.7							1510	59.6	47.0	32.5	59.6	3.65	12.8							
										1720	60.8	48.6	35.0	61.6	3.79	12.8							
	12.0	5.0	11.6							1510	59.6	47.2	32.6	59.4	3.53	13.3							
										1720	60.7	48.8	35.1	61.4	3.65	13.3							
110	6.0	1.9	4.4							1510	60.4	43.8	31.3	58.7	4.37	10.0							
										1720	61.5	45.3	33.7	60.7	4.53	10.0							
	9.0	3.2	7.3							1510	60.4	44.1	31.4	58.2	4.10	10.7							
										1720	61.4	45.6	33.8	60.1	4.25	10.7							
	12.0	4.8	11.1							1510	60.3	44.3	31.5	57.8	3.96	11.1							
										1720	61.4	45.8	33.9	59.8	4.11	11.1							
120	6.0	1.9	4.3							1510	61.0	41.0	30.4	57.8	4.93	8.3							
										1720	62.0	42.4	32.7	59.8	5.11	8.3							
	9.0	3.1	7.1							1510	60.9	41.3	30.5	57.1	4.63	8.9							
										1720	62.0	42.7	32.8	59.0	4.80	8.9							
	12.0	4.7	10.9							1510	60.9	41.5	30.5	56.7	4.47	9.2							
										1720	61.9	42.9	32.9	58.6	4.63	9.2							

YT048 - Part Load

EWT	Flow	WPD		Part Load Heating						Part Load Cooling						
		PSI	FT	Aiflow CFM	LAT (DB) °F	HC MBtuh	HE MBtuh	Power kW	COP W/W	Aiflow CFM	LAT (DB) °F	TC MBtuh	SC MBtuh	HR MBtuh	Power kW	EER Btuh/W
25	8.0	4.9	11.3	1280	88.2	25.1	18.5	2.03	3.61	Operation Not Recommended						
				1460	86.0	25.1	18.6	1.99	3.69							
30	4.0	2.0	4.7	1280	88.0	24.7	18.2	2.02	3.59							
				1460	85.8	24.8	18.4	1.98	3.67							
	6.0	3.4	7.8	1280	89.0	26.1	19.5	2.02	3.77							
				1460	86.7	26.1	19.7	1.98	3.86							
40	8.0	4.8	11.1	1280	89.6	26.9	20.4	2.03	3.88							
				1460	87.2	27.0	20.5	1.99	3.97							
	4.0	1.8	4.3	1280	90.5	28.2	21.6	2.03	4.05	1360	61.0	41.4	27.3	45.9	1.24	33.3
				1460	88.0	28.2	21.8	1.99	4.14	1550	61.9	42.7	29.7	47.4	1.28	33.3
	6.0	2.9	6.8	1280	91.6	29.7	23.1	2.04	4.26	Operation Not Recommended						
				1460	89.0	29.7	23.3	2.00	4.36							
50	8.0	4.2	9.7	1280	92.3	30.7	24.1	2.05	4.39							
				1460	89.6	30.7	24.3	2.01	4.48							
	4.0	1.7	3.9	1280	93.2	31.9	25.4	2.03	4.60	1360	59.8	42.2	29.1	47.5	1.44	29.2
				1460	90.4	32.0	25.6	1.99	4.70	1550	60.7	43.6	31.6	48.9	1.49	29.2
	6.0	2.7	6.3	1280	94.5	33.7	27.1	2.04	4.83	1360	59.7	43.1	29.3	47.8	1.31	32.9
				1460	91.5	33.7	27.3	2.00	4.94	1550	60.6	44.4	31.8	49.3	1.35	32.9
60	8.0	3.9	9.0	1280	95.3	34.8	28.2	2.05	4.97	1360	59.4	43.4	29.6	47.9	1.24	35.0
				1460	92.2	34.8	28.4	2.01	5.08	1550	60.4	44.7	32.2	49.4	1.28	35.0
	4.0	1.6	3.7	1280	96.3	36.2	29.5	2.08	5.09	1360	59.8	41.1	29.0	47.1	1.69	24.3
				1460	93.1	36.2	29.7	2.04	5.20	1550	60.8	42.4	31.5	48.6	1.74	24.3
	6.0	2.5	5.9	1280	97.7	38.1	31.4	2.09	5.35	1360	59.7	41.9	29.2	47.4	1.53	27.4
				1460	94.3	38.2	31.6	2.04	5.47	1550	60.7	43.2	31.7	48.9	1.58	27.4
70	8.0	3.6	8.4	1280	98.7	39.4	32.7	2.10	5.50	1360	59.5	42.2	29.6	47.4	1.44	29.2
				1460	95.2	39.4	32.9	2.05	5.63	1550	60.4	43.6	32.1	48.9	1.49	29.2
	4.0	1.5	3.5	1280	99.7	40.8	34.1	2.11	5.67	1360	60.3	39.4	28.4	46.3	1.97	20.0
				1460	96.1	40.9	34.3	2.06	5.80	1550	61.2	40.6	30.8	47.7	2.03	19.9
	6.0	2.4	5.5	1280	101.3	43.0	36.2	2.11	5.97	1360	60.2	40.1	28.5	46.4	1.78	22.5
				1460	97.5	43.1	36.5	2.07	6.10	1550	61.1	41.4	31.0	47.9	1.84	22.5
80	8.0	3.4	7.9	1280	102.3	44.4	37.7	2.12	6.14	1360	59.9	40.4	28.9	46.4	1.68	24.0
				1460	98.4	44.5	37.9	2.08	6.27	1550	60.9	41.7	31.4	47.9	1.74	23.9
	4.0	1.4	3.3	1280	103.2	45.7	38.9	2.14	6.27	1360	60.8	37.6	27.7	45.5	2.28	16.4
				1460	99.2	45.8	39.1	2.09	6.40	1550	61.7	38.8	30.1	47.0	2.36	16.4
	6.0	2.3	5.2	1280	105.0	48.1	41.3	2.14	6.59	1360	60.7	38.3	27.8	45.6	2.07	18.5
				1460	100.7	48.2	41.5	2.10	6.74	1550	61.6	39.5	30.2	47.0	2.13	18.5
90	8.0	3.2	7.4	1280	106.2	49.8	42.9	2.15	6.78	1360	60.4	38.6	28.2	45.5	1.95	19.7
				1460	101.8	49.8	43.1	2.11	6.93	1550	61.3	39.8	30.6	46.9	2.02	19.7
	4.0	1.3	3.1	1280	106.9	50.7	43.8	2.16	6.87	1360	61.2	35.9	27.0	45.0	2.63	13.6
				1460	102.4	50.8	44.0	2.12	7.02	1550	62.1	37.0	29.4	46.4	2.71	13.6
	6.0	2.2	5.0	1280	108.8	53.4	46.5	2.17	7.22	1360	61.1	36.6	27.2	44.9	2.38	15.3
				1460	104.1	53.5	46.7	2.12	7.38	1550	62.0	37.8	29.5	46.3	2.46	15.3
100	8.0	3.1	7.1	1280	110.1	55.2	48.3	2.17	7.43	1360	60.9	36.9	27.5	44.7	2.25	16.3
				1460	105.2	55.3	48.5	2.13	7.60	1550	61.8	38.0	29.9	46.1	2.32	16.3
	4.0	1.3	2.9	Operation Not Recommended						1360	61.7	34.1	26.3	44.5	3.01	11.3
										1550	62.6	35.2	28.6	45.9	3.11	11.3
	6.0	2.0	4.5							1360	61.6	34.8	26.5	44.2	2.73	12.7
										1550	62.5	35.9	28.8	45.6	2.81	12.7
	8.0	2.8	6.5							1360	61.4	35.1	26.8	44.0	2.58	13.5
										1550	62.2	36.2	29.2	45.3	2.66	13.5
110	4.0	1.2	2.9							1360	62.3	32.0	25.5	43.7	3.43	9.3
										1550	63.1	33.0	27.7	45.0	3.54	9.3
	6.0	1.9	4.4							1360	62.2	32.6	25.6	43.2	3.10	10.5
										1550	63.0	33.6	27.9	44.6	3.20	10.4
	8.0	2.7	6.3							1360	62.0	32.8	26.0	42.9	2.94	11.1
										1550	62.8	33.9	28.2	44.2	3.03	11.1
120	4.0	1.2	2.8							1360	62.8	29.2	24.7	42.4	3.89	7.4
										1550	63.6	30.1	26.9	43.7	4.02	7.4
	6.0	1.9	4.4							1360	62.7	29.7	24.8	41.7	3.52	8.4
										1550	63.5	30.7	27.0	43.0	3.63	8.4
	8.0	2.7	6.3							1360	62.5	30.0	25.2	41.3	3.33	8.9
										1550	63.3	30.9	27.4	42.6	3.44	8.9

YT060 - Full Load

EWT	Flow	WPD		Full Load Heating						Full Load Cooling													
		PSI	FT	Aiflow	LAT (DB)	HC	HE	Power	COP	Aiflow	LAT (DB)	TC	SC	HR	Power	EER							
°F	GPM			CFM	°F	MBtuh	MBtuh	kW	W/W	CFM	°F	MBtuh	MBtuh	MBtuh	kW	Btuh/W							
25	15.0	9.4	21.6	1810	93.8	46.4	34.1	3.68	3.69	Operation Not Recommended													
				2070	91.6	48.4	35.7	3.76	3.76														
30	7.5	2.5	5.8	1810	93.6	46.2	33.6	3.75	3.60														
				2070	91.5	48.2	35.2	3.84	3.67														
	11.3	5.5	12.6	1810	94.8	48.4	35.8	3.76	3.77														
				2070	92.6	50.5	37.5	3.85	3.84														
	15.0	8.9	20.5	1810	95.3	49.5	36.8	3.77	3.85														
				2070	93.1	51.6	38.6	3.85	3.92														
40	7.5	2.1	4.8	1810	97.0	52.8	39.9	3.84	4.02								1850	59.7	64.5	39.9	73.7	2.55	25.3
				2070	94.6	55.1	41.8	3.93	4.10								2110	61.3	65.6	41.9	75.3	2.66	24.6
	11.3	4.7	10.7	1810	98.3	55.4	42.4	3.85	4.21	Operation Not Recommended													
				2070	95.8	57.7	44.5	3.94	4.28														
	15.0	7.8	17.9	1810	98.9	56.6	43.6	3.86	4.29														
				2070	96.4	59.0	45.7	3.95	4.37														
50	7.5	1.9	4.4	1810	100.3	59.3	46.3	3.84	4.51	1850	57.5	68.9	44.3	79.3	2.89	23.8							
				2070	97.6	61.8	48.5	3.93	4.60	2110	59.3	70.1	46.5	80.9	3.02	23.1							
	11.3	4.3	9.8	1810	101.8	62.1	49.1	3.85	4.72	1850	57.4	69.6	44.6	79.5	2.73	25.5							
				2070	98.9	64.7	51.5	3.94	4.81	2110	59.1	70.8	46.8	81.1	2.85	24.8							
	15.0	7.1	16.4	1810	102.5	63.4	50.5	3.86	4.81	1850	57.3	69.6	44.7	79.2	2.63	26.4							
				2070	99.6	66.1	52.9	3.95	4.90	2110	59.1	70.8	46.9	80.8	2.76	25.6							
60	7.5	1.8	4.1	1810	103.5	65.4	51.9	4.02	4.77	1850	56.8	69.1	45.6	80.6	3.20	21.5							
				2070	100.5	68.2	54.3	4.11	4.86	2110	58.7	70.3	47.9	82.3	3.35	20.9							
	11.3	3.9	9.1	1810	105.1	68.5	55.0	4.02	4.99	1850	56.7	69.8	45.8	80.7	3.02	23.1							
				2070	101.9	71.4	57.6	4.12	5.08	2110	58.6	71.1	48.1	82.4	3.16	22.4							
	15.0	6.5	15.1	1810	105.8	70.0	56.5	4.03	5.09	1850	56.7	69.9	45.9	80.4	2.92	23.9							
				2070	102.6	73.0	59.1	4.13	5.18	2110	58.5	71.1	48.3	82.1	3.06	23.2							
70	7.5	1.6	3.8	1810	106.9	72.1	58.1	4.17	5.06	1850	57.0	67.5	45.4	80.1	3.54	19.0							
				2070	103.6	75.1	60.8	4.27	5.15	2110	58.8	68.7	47.6	81.8	3.70	18.5							
	11.3	3.7	8.4	1810	108.6	75.5	61.5	4.18	5.29	1850	56.8	68.2	45.6	80.1	3.34	20.4							
				2070	105.2	78.7	64.3	4.28	5.38	2110	58.7	69.4	47.9	81.8	3.49	19.8							
	15.0	6.1	14.0	1810	109.5	77.2	63.1	4.19	5.39	1850	56.8	68.2	45.7	79.8	3.22	21.1							
				2070	106.0	80.5	66.0	4.29	5.49	2110	58.6	69.4	48.0	81.5	3.37	20.5							
80	7.5	1.5	3.5	1810	110.9	80.0	65.2	4.39	5.33	1850	57.4	65.2	44.6	79.0	3.92	16.6							
				2070	107.3	83.4	68.3	4.49	5.43	2110	59.1	66.3	46.8	80.8	4.10	16.1							
	11.3	3.4	7.9	1810	112.9	83.8	69.0	4.40	5.58	1850	57.2	65.9	44.8	79.0	3.69	17.8							
				2070	109.1	87.3	72.2	4.50	5.68	2110	59.0	67.0	47.1	80.7	3.86	17.3							
	15.0	5.7	13.2	1810	113.8	85.6	70.8	4.41	5.69	1850	57.2	65.9	44.9	78.6	3.57	18.4							
				2070	109.9	89.3	74.1	4.51	5.80	2110	59.0	67.0	47.2	80.3	3.74	17.9							
90	7.5	1.4	3.3	1810	115.1	88.2	72.6	4.64	5.56	1850	57.9	62.6	43.5	77.8	4.35	14.3							
				2070	111.1	92.0	76.0	4.75	5.67	2110	59.6	63.6	45.7	79.6	4.55	13.9							
	11.3	3.2	7.5	1810	117.3	92.4	76.8	4.65	5.82	1850	57.8	63.2	43.8	77.6	4.10	15.4							
				2070	113.1	96.4	80.3	4.76	5.93	2110	59.5	64.3	46.0	79.4	4.29	14.9							
	15.0	5.4	12.4	1810	118.3	94.5	78.8	4.66	5.93	1850	57.7	63.2	43.9	77.2	3.96	15.9							
				2070	114.0	98.5	82.4	4.77	6.04	2110	59.5	64.3	46.1	78.9	4.15	15.5							
100	7.5	1.3	2.9	Operation Not Recommended						1850	58.5	59.6	42.2	76.4	4.83	12.3							
										2110	60.2	60.6	44.3	78.2	5.06	11.9							
	11.3	3.0	6.8							1850	58.4	60.2	42.5	76.1	4.56	13.2							
										2110	60.1	61.2	44.6	77.9	4.77	12.8							
	15.0	5.0	11.6							1850	58.4	60.2	42.6	75.6	4.41	13.6							
										2110	60.1	61.2	44.7	77.4	4.61	13.2							
110	7.5	1.2	2.8							1850	59.4	56.1	40.6	74.8	5.38	10.4							
										2110	61.0	57.1	42.6	76.6	5.63	10.1							
	11.3	2.8	6.6							1850	59.2	56.7	40.8	74.3	5.07	11.1							
										2110	60.9	57.7	42.9	76.1	5.31	10.8							
	15.0	4.8	11.2							1850	59.2	56.7	40.9	73.8	4.90	11.5							
										2110	60.8	57.7	43.0	75.5	5.13	11.2							
120	7.5	1.2	2.7							1850	60.3	52.3	38.7	73.1	6.01	8.7							
										2110	61.9	53.2	40.7	74.9	6.29	8.4							
	11.3	2.7	6.3							1850	60.2	52.9	39.0	72.5	5.67	9.3							
										2110	61.8	53.8	40.9	74.3	5.93	9.0							
	15.0	4.7	10.8							1850	60.2	52.9	39.1	71.9	5.48	9.6							
										2110	61.7	53.8	41.0	73.6	5.74	9.3							

YT060 - Part Load

EWT	Flow	WPD		Part Load Heating						Part Load Cooling													
		PSI	FT	Aiflow	LAT (DB)	HC	HE	Power	COP	Aiflow	LAT (DB)	TC	SC	HR	Power	EER							
°F	GPM			CFM	°F	MBtuh	MBtuh	kW	W/W	CFM	°F	MBtuh	MBtuh	MBtuh	kW	Btuh/W							
25	10.0	4.6	10.6	1570	88.8	32.0	23.2	2.61	3.59	Operation Not Recommended													
				1790	86.6	32.1	23.2	2.64	3.56														
30	5.0	0.9	2.2	1570	88.9	32.0	23.2	2.64	3.55														
				1790	86.6	32.2	23.2	2.67	3.53														
	7.5	2.5	5.8	1570	89.9	33.7	24.9	2.62	3.77														
				1790	87.5	33.9	25.0	2.65	3.74														
	10.0	4.4	10.1	1570	90.4	34.7	25.8	2.62	3.87														
				1790	88.0	34.8	25.9	2.65	3.84														
40	5.0	0.8	1.8	1570	91.6	36.6	27.6	2.66	4.03								1510	59.1	50.9	33.5	56.4	1.48	34.2
				1790	89.0	36.7	27.7	2.69	4.00								1720	60.7	51.6	35.3	57.3	1.53	33.7
	7.5	2.1	4.9	1570	92.7	38.5	29.6	2.64	4.27	Operation Not Recommended													
				1790	90.0	38.7	29.7	2.67	4.24														
	10.0	3.7	8.6	1570	93.3	39.6	30.7	2.64	4.38														
				1790	90.5	39.7	30.7	2.67	4.35														
50	5.0	0.7	1.6	1570	94.5	41.5	32.5	2.66	4.57	1510	57.5	52.6	36.1	58.9	1.72	30.6							
				1790	91.5	41.6	32.6	2.69	4.53	1720	59.2	53.3	38.0	59.8	1.77	30.1							
	7.5	1.9	4.4	1570	95.8	43.7	34.8	2.64	4.85	1510	57.3	53.4	36.4	59.2	1.56	34.1							
				1790	92.7	43.8	34.9	2.67	4.81	1720	59.0	54.2	38.3	60.2	1.61	33.6							
	10.0	3.4	7.8	1570	96.5	44.9	36.0	2.64	4.97	1510	57.3	53.8	36.5	59.3	1.48	36.4							
				1790	93.3	45.0	36.1	2.67	4.93	1720	59.0	54.6	38.4	60.3	1.52	35.8							
60	5.0	0.6	1.5	1570	97.7	47.0	38.0	2.68	5.13	1510	57.7	51.1	35.8	58.3	2.00	25.6							
				1790	94.4	47.2	38.1	2.71	5.09	1720	59.4	51.9	37.7	59.3	2.06	25.2							
	7.5	1.8	4.0	1570	99.2	49.5	40.5	2.66	5.44	1510	57.5	52.0	36.1	58.6	1.82	28.6							
				1790	95.7	49.7	40.6	2.69	5.40	1720	59.2	52.7	38.0	59.6	1.87	28.1							
	10.0	3.1	7.2	1570	100.0	50.8	41.9	2.67	5.58	1510	57.5	52.3	36.2	58.6	1.72	30.5							
				1790	96.4	51.0	42.0	2.70	5.54	1720	59.2	53.1	38.1	59.6	1.77	30.0							
70	5.0	0.6	1.4	1570	101.1	52.8	43.7	2.70	5.72	1510	58.2	48.9	34.9	57.2	2.32	21.0							
				1790	97.4	53.0	43.8	2.73	5.67	1720	59.9	49.6	36.8	58.2	2.39	20.7							
	7.5	1.6	3.7	1570	102.8	55.6	46.5	2.68	6.06	1510	58.1	49.7	35.3	57.3	2.11	23.5							
				1790	98.9	55.8	46.7	2.71	6.02	1720	59.7	50.4	37.1	58.3	2.18	23.1							
	10.0	2.9	6.7	1570	103.7	57.1	48.1	2.69	6.22	1510	58.0	50.1	35.3	57.3	1.99	25.1							
				1790	99.6	57.3	48.2	2.72	6.17	1720	59.7	50.8	37.2	58.3	2.06	24.7							
80	5.0	0.5	1.3	1570	104.5	58.5	49.3	2.73	6.26	1510	58.7	46.7	34.3	56.2	2.69	17.3							
				1790	100.4	58.7	49.4	2.77	6.22	1720	60.3	47.4	36.1	57.2	2.77	17.1							
	7.5	1.5	3.5	1570	106.3	61.6	52.4	2.71	6.64	1510	58.5	47.5	34.6	56.2	2.44	19.4							
				1790	102.0	61.8	52.6	2.74	6.59	1720	60.1	48.2	36.4	57.1	2.52	19.1							
	10.0	2.7	6.2	1570	107.3	63.3	54.1	2.72	6.82	1510	58.4	47.8	34.7	56.1	2.31	20.6							
				1790	102.8	63.5	54.3	2.75	6.76	1720	60.1	48.5	36.5	57.0	2.38	20.3							
90	5.0	0.5	1.2	1570	107.9	64.2	54.9	2.77	6.78	1510	59.1	44.4	33.6	55.2	3.09	14.3							
				1790	103.3	64.4	55.0	2.80	6.73	1720	60.7	45.1	35.3	56.2	3.19	14.1							
	7.5	1.4	3.2	1570	109.9	67.6	58.3	2.75	7.20	1510	58.9	45.1	33.9	55.0	2.82	16.0							
				1790	105.1	67.8	58.5	2.78	7.14	1720	60.5	45.8	35.7	56.0	2.90	15.7							
	10.0	2.5	5.7	1570	111.0	69.4	60.2	2.76	7.38	1510	58.9	45.5	34.0	54.9	2.66	17.0							
				1790	106.1	69.7	60.3	2.79	7.33	1720	60.5	46.1	35.7	55.8	2.74	16.8							
100	5.0	0.4	1.0	Operation Not Recommended						1510	59.8	41.6	32.4	53.9	3.54	11.7							
										1720	61.4	42.2	34.1	54.9	3.65	11.5							
	7.5	1.2	2.8							1510	59.6	42.3	32.7	53.5	3.22	13.1							
										1720	61.2	42.9	34.4	54.5	3.32	12.9							
	10.0	2.3	5.2							1510	59.6	42.6	32.8	53.2	3.04	13.9							
										1720	61.1	43.2	34.5	54.2	3.14	13.7							
110	5.0	0.4	1.0							1510	60.9	38.2	30.8	52.1	4.02	9.4							
										1720	62.3	38.7	32.4	53.1	4.15	9.3							
	7.5	1.2	2.7							1510	60.7	38.8	31.0	51.5	3.66	10.6							
										1720	62.2	39.4	32.6	52.5	3.77	10.4							
	10.0	2.1	4.9							1510	60.6	39.1	31.1	51.1	3.46	11.3							
										1720	62.1	39.7	32.7	52.1	3.57	11.1							
120	5.0	0.4	0.9							1510	61.6	35.0	29.6	50.6	4.54	7.7							
										1720	63.0	35.5	31.2	51.6	4.69	7.5							
	7.5	1.1	2.6							1510	61.4	35.6	29.9	49.8	4.13	8.6							
										1720	62.8	36.1	31.4	50.8	4.26	8.4							
	10.0	2.1	4.8							1510	61.4	35.8	30.0	49.3	3.91	9.1							
										1720	62.8	36.4	31.5	50.3	4.03	9.0							

YT072 - Full Load

EWT	Flow	WPD		Full Load Heating						Full Load Cooling													
		PSI	FT	Aiflow	LAT (DB)	HC	HE	Power	COP	Aiflow	LAT (DB)	TC	SC	HR	Power	EER							
°F	GPM			CFM	°F	MBtuh	MBtuh	kW	W/W	CFM	°F	MBtuh	MBtuh	MBtuh	kW	Btuh/W							
25	18.0	11.9	27.4	1880	96.6	54.4	39.5	4.38	3.63	Operation Not Recommended													
				2150	94.0	56.1	41.2	4.39	3.74														
30	9.0	3.4	7.8	1880	96.7	54.5	39.7	4.36	3.66														
				2150	94.1	56.2	41.4	4.37	3.77														
	13.5	6.9	15.8	1880	97.8	56.7	41.7	4.41	3.76														
				2150	95.0	58.5	43.4	4.42	3.87														
	18.0	10.7	24.7	1880	98.4	57.9	42.8	4.45	3.80														
				2150	95.6	59.7	44.5	4.46	3.92														
40	9.0	2.7	6.2	1880	100.4	62.0	46.6	4.52	4.01								1950	57.6	75.8	46.5	87.0	3.24	23.3
				2150	97.4	63.9	48.5	4.53	4.13								2230	59.2	78.7	49.4	90.3	3.37	23.3
	13.5	5.8	13.3	1880	101.6	64.4	48.9	4.58	4.12								Operation Not Recommended						
				2150	98.5	66.5	50.9	4.59	4.24														
	18.0	9.6	22.2	1880	102.2	65.8	50.1	4.62	4.17														
				2150	99.1	67.9	52.1	4.63	4.29														
50	9.0	2.5	5.7	1880	104.0	69.4	54.0	4.52	4.49	1950	55.3	80.3	51.2	92.7	3.59	22.3							
				2150	100.7	71.6	56.2	4.53	4.63	2230	57.1	83.3	54.4	96.2	3.73	22.3							
	13.5	5.3	12.2	1880	105.4	72.2	56.6	4.58	4.61	1950	55.2	81.2	51.5	92.9	3.40	23.8							
				2150	101.9	74.4	58.8	4.59	4.75	2230	56.9	84.2	54.7	96.4	3.53	23.8							
	18.0	8.8	20.4	1880	106.1	73.7	57.9	4.62	4.67	1950	55.1	81.1	51.6	92.5	3.29	24.6							
				2150	102.6	76.0	60.2	4.63	4.81	2230	56.9	84.1	54.8	95.9	3.42	24.5							
60	9.0	2.3	5.3	1880	107.7	76.9	60.1	4.94	4.56	1950	55.0	79.6	51.8	93.1	3.93	20.2							
				2150	104.0	79.3	62.5	4.94	4.70	2230	56.8	82.5	55.0	96.5	4.08	20.2							
	13.5	4.9	11.4	1880	109.2	79.9	62.9	4.99	4.68	1950	54.9	80.4	52.1	93.2	3.73	21.5							
				2150	105.3	82.4	65.4	5.00	4.82	2230	56.7	83.4	55.3	96.7	3.87	21.5							
	18.0	8.2	19.0	1880	110.0	81.6	64.4	5.04	4.74	1950	54.9	80.3	52.1	92.7	3.61	22.2							
				2150	106.1	84.2	67.0	5.05	4.88	2230	56.7	83.3	55.4	96.2	3.74	22.2							
70	9.0	2.2	5.0	1880	111.7	85.1	67.3	5.22	4.77	1950	55.5	77.0	50.9	91.7	4.30	17.9							
				2150	107.6	87.8	70.0	5.23	4.91	2230	57.2	79.9	54.0	95.2	4.47	17.8							
	13.5	4.6	10.7	1880	113.4	88.5	70.5	5.29	4.90	1950	55.3	77.8	51.2	91.8	4.08	19.0							
				2150	109.1	91.3	73.2	5.30	5.05	2230	57.1	80.7	54.4	95.2	4.23	19.0							
	18.0	7.7	17.8	1880	114.3	90.4	72.2	5.33	4.96	1950	55.3	77.8	51.3	91.3	3.94	19.7							
				2150	110.0	93.3	75.0	5.34	5.11	2230	57.1	80.7	54.4	94.7	4.10	19.6							
80	9.0	2.0	4.7	1880	116.4	94.7	75.7	5.58	4.97	1950	56.0	74.2	49.8	90.3	4.72	15.7							
				2150	111.9	97.7	78.6	5.60	5.11	2230	57.7	76.9	52.9	93.7	4.91	15.6							
	13.5	4.4	10.1	1880	118.2	98.5	79.2	5.65	5.10	1950	55.9	74.9	50.1	90.2	4.48	16.7							
				2150	113.5	101.6	82.2	5.66	5.25	2230	57.6	77.7	53.2	93.6	4.65	16.7							
	18.0	7.3	16.8	1880	119.3	100.6	81.1	5.70	5.16	1950	55.8	74.9	50.1	89.7	4.33	17.2							
				2150	114.5	103.7	84.2	5.71	5.32	2230	57.6	77.7	53.2	93.0	4.50	17.2							
90	9.0	1.9	4.4	1880	121.3	104.7	84.3	5.97	5.13	1950	56.6	71.2	48.6	88.9	5.22	13.6							
				2150	116.3	108.1	87.6	5.98	5.29	2230	58.3	73.9	51.6	92.3	5.42	13.6							
	13.5	4.1	9.5	1880	123.4	108.9	88.2	6.04	5.27	1950	56.4	71.9	48.9	88.8	4.95	14.5							
				2150	118.1	112.3	91.6	6.06	5.43	2230	58.1	74.6	51.9	92.1	5.14	14.5							
	18.0	6.9	15.9	1880	124.5	111.2	90.3	6.10	5.34	1950	56.4	71.9	48.9	88.2	4.79	15.0							
				2150	119.2	114.7	93.8	6.11	5.50	2230	58.1	74.6	51.9	91.5	4.97	15.0							
100	9.0	1.6	3.8	Operation Not Recommended						1950	57.4	67.8	47.0	87.4	5.80	11.6							
										2230	59.0	70.3	49.9	90.7	6.02	11.6							
	13.5	3.8	8.7							1950	57.2	68.4	47.3	87.1	5.50	12.4							
										2230	58.9	71.0	50.2	90.4	5.71	12.4							
	18.0	6.3	14.6							1950	57.2	68.4	47.3	86.5	5.32	12.8							
										2230	58.8	71.0	50.2	89.7	5.52	12.8							
110	9.0	1.6	3.7							1950	58.4	63.6	44.8	85.5	6.49	9.8							
										2230	59.9	66.0	47.6	88.7	6.74	9.7							
	13.5	3.6	8.4							1950	58.3	64.3	45.1	85.1	6.15	10.4							
										2230	59.8	66.7	47.9	88.2	6.39	10.4							
	18.0	6.2	14.2							1950	58.2	64.2	45.1	84.3	5.95	10.7							
										2230	59.8	66.6	47.9	87.5	6.18	10.7							
120	9.0	1.5	3.5							1950	59.4	59.4	42.7	84.1	7.31	8.1							
										2230	60.9	61.7	45.3	87.2	7.59	8.1							
	13.5	3.5	8.1							1950	59.3	60.1	42.9	83.4	6.92	8.6							
										2230	60.8	62.3	45.6	86.5	7.19	8.6							
	18.0	6.0	13.8							1950	59.3	60.0	43.0	82.6	6.70	8.9							
										2230	60.8	62.3	45.6	85.7	6.96	8.9							

YT072 - Part Load

EWT	Flow	WPD		Part Load Heating						Part Load Cooling						
		PSI	FT	Aiflow	LAT (DB)	HC	HE	Power	COP	Aiflow	LAT (DB)	TC	SC	HR	Power	EER
°F	GPM			CFM	°F	MBtuh	MBtuh	kW	W/W	CFM	°F	MBtuh	MBtuh	MBtuh	kW	Btuh/W
25	12.0	5.9	13.7	1620	91.7	37.8	26.9	3.33	3.32	Operation Not Recommended						
				1850	89.7	39.1	28.3	3.31	3.46							
30	6.0	1.3	3.1	1620	91.8	38.0	27.2	3.32	3.35							
				1850	89.8	39.3	28.5	3.30	3.49							
	9.0	3.3	7.6	1620	92.8	39.6	28.8	3.32	3.49							
				1850	90.6	40.9	30.1	3.30	3.63							
12.0	5.6	13.0	1620	93.5	41.0	30.1	3.33	3.60								
			1850	91.3	42.3	31.5	3.31	3.74								
40	6.0	1.0	2.4	1620	95.2	43.8	32.8	3.37	3.81	1580	56.3	61.7	39.9	68.7	2.00	30.9
				1850	92.8	45.2	34.3	3.34	3.96	1810	57.9	64.0	42.6	71.1	2.06	31.0
	9.0	2.7	6.3	1620	96.2	45.7	34.7	3.37	3.97	Operation Not Recommended						
				1850	93.7	47.2	36.2	3.35	4.13							
	12.0	4.8	11.0	1620	97.1	47.2	36.2	3.38	4.09							
				1850	94.5	48.8	37.8	3.36	4.25							
50	6.0	0.9	2.1	1620	98.4	49.5	38.5	3.37	4.30	1580	55.1	63.2	41.9	71.1	2.29	27.6
				1850	95.7	51.1	40.2	3.34	4.47	1810	56.7	65.4	44.8	73.6	2.36	27.7
	9.0	2.5	5.7	1620	99.6	51.6	40.6	3.37	4.48	1580	54.8	64.2	42.3	71.6	2.10	30.6
				1850	96.8	53.2	42.4	3.35	4.66	1810	56.5	66.5	45.2	74.1	2.16	30.7
	12.0	4.3	10.0	1620	100.6	53.3	42.3	3.38	4.62	1580	54.7	64.6	42.5	71.6	1.99	32.4
				1850	97.7	55.1	44.2	3.36	4.80	1810	56.4	66.9	45.4	74.1	2.06	32.5
60	6.0	0.9	2.0	1620	101.7	55.2	43.9	3.50	4.62	1580	55.5	61.1	41.2	70.1	2.62	23.3
				1850	98.7	57.0	45.8	3.48	4.80	1810	57.1	63.3	44.0	72.6	2.70	23.4
	9.0	2.3	5.3	1620	103.1	57.6	46.2	3.50	4.81	1580	55.2	62.1	41.6	70.4	2.40	25.8
				1850	99.9	59.4	48.2	3.48	5.00	1810	56.9	64.3	44.5	72.9	2.47	25.9
	12.0	4.0	9.2	1620	104.2	59.5	48.1	3.52	4.96	1580	55.1	62.5	41.8	70.4	2.28	27.3
				1850	100.9	61.5	50.2	3.49	5.16	1810	56.8	64.7	44.7	72.8	2.35	27.5
70	6.0	0.8	1.8	1620	105.3	61.4	49.8	3.59	5.01	1580	56.2	58.2	40.0	68.5	2.99	19.4
				1850	101.9	63.4	51.9	3.57	5.21	1810	57.8	60.3	42.7	70.9	3.09	19.5
	9.0	2.1	4.9	1620	106.8	64.0	52.4	3.59	5.22	1580	56.0	59.2	40.4	68.6	2.74	21.5
				1850	103.3	66.1	54.6	3.57	5.42	1810	57.6	61.3	43.1	71.1	2.83	21.6
	12.0	3.7	8.5	1620	108.0	66.2	54.5	3.61	5.37	1580	55.9	59.6	40.5	68.5	2.61	22.8
				1850	104.4	68.4	56.8	3.58	5.59	1810	57.5	61.7	43.3	71.0	2.69	22.9
80	6.0	0.7	1.7	1620	109.2	68.2	56.2	3.72	5.38	1580	56.8	55.7	39.0	67.3	3.42	16.2
				1850	105.4	70.5	58.5	3.69	5.59	1810	58.4	57.6	41.6	69.7	3.53	16.3
	9.0	2.0	4.6	1620	110.8	71.1	59.1	3.72	5.60	1580	56.6	56.6	39.4	67.3	3.14	18.0
				1850	106.9	73.4	61.5	3.69	5.82	1810	58.2	58.6	42.1	69.7	3.24	18.1
	12.0	3.5	8.0	1620	112.2	73.5	61.5	3.73	5.77	1580	56.5	56.9	39.5	67.1	2.98	19.0
				1850	108.2	75.9	64.0	3.71	6.00	1810	58.1	59.0	42.2	69.5	3.08	19.1
90	6.0	0.7	1.6	1620	113.3	75.3	62.9	3.85	5.73	1580	57.4	53.1	38.0	66.4	3.92	13.5
				1850	109.1	77.8	65.5	3.82	5.96	1810	58.9	55.0	40.7	68.7	4.04	13.6
	9.0	1.8	4.3	1620	115.1	78.5	66.1	3.85	5.97	1580	57.1	54.0	38.4	66.2	3.59	15.0
				1850	110.8	81.1	68.7	3.82	6.21	1810	58.7	55.9	41.1	68.5	3.70	15.1
	12.0	3.2	7.4	1620	116.6	81.2	68.7	3.86	6.15	1580	57.1	54.3	38.6	65.9	3.41	15.9
				1850	112.2	83.8	71.5	3.84	6.40	1810	58.6	56.3	41.2	68.3	3.52	15.9
100	6.0	0.5	1.3	Operation Not Recommended						1580	58.1	50.0	36.8	65.2	4.47	11.1
	9.0	1.6	3.8							1810	59.6	51.8	39.3	67.4	4.61	11.2
										1580	57.9	50.9	37.1	64.8	4.10	12.4
										1810	59.4	52.7	39.7	67.0	4.23	12.4
										1580	57.8	51.2	37.3	64.4	3.89	13.1
110	6.0	0.5	1.2							1810	59.3	53.0	39.8	66.6	4.02	13.1
										1580	59.2	46.2	34.9	63.4	5.09	9.0
										1810	60.6	47.8	37.4	65.6	5.25	9.1
										1580	59.0	47.0	35.3	62.7	4.67	10.0
	9.0	1.6	3.6							1810	60.4	48.6	37.7	64.9	4.81	10.1
1580										58.9	47.2	35.4	62.2	4.44	10.6	
1810										60.3	48.9	37.9	64.4	4.57	10.6	
1580										60.2	42.5	33.3	62.0	5.79	7.3	
120	6.0	0.5	1.2							1810	61.5	44.0	35.6	64.1	5.97	7.3
										1580	60.0	43.2	33.6	61.1	5.31	8.1
										1810	61.3	44.8	35.9	63.2	5.47	8.1
										1580	59.9	43.5	33.7	60.5	5.04	8.6
	9.0	1.5	3.4							1810	61.3	45.0	36.1	62.6	5.20	8.6

Revision Table

Date	Description of Revision	Page
30JAN2026	YT UNIT REVISION J EDSM CREATED	ALL
27FEB2026	Updated with adjustments to HE/HR numbers	9-18
19MAR2026	Updated sensible cooling correction factors	7



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Certified to USA Std.
C22.2 No. 60335-1 &
C22.2 No. 60335-2-40



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