

HORIZONTAL WATER SOURCE HEAT PUMP (HHPW) CERTIFIED DRAWING

DWG. NO. SUBMITTAL TEMPLATE HHPW

PROJECT	PROJECT	DATE		BY			REVISIONS
PURCHASER	PURCHASER	P.O. #	QTY	DA	TE	BY	DESCRIPTION
ARCHITECT	ARQUITECT						
ENGINEER	ENGINEER	SHIPPING					
HVAC CONTR.	HVAC CONTRACTOR	DATES					
GEN. CONTR.	GEN CONTRACTOR						

DESIGNATION	MODEL NUMBER	QTY
TOTAL		

OPTIONAL

- I: STAINLESS STEEL HOSE KITS
- 2: MOTORIZED TWO-WAY CONTROL VALVE
- 3: BALL VALVES
- 4: DOUBLE DEFLECTION SUPPLY GRILLS
- 5: UNIT-MOUNTED FLOW CONTROL VALVE

CUSTOM NOTES

- GENERAL NOTES
 I: PROVIDE UNITS WITH R410A GREEN REFRIGERANT
 2: PROVIDE 1/2" WASHABLE FILTERS
 3: PROVIDE OVERFLOW CONDENSATE SWITCH
 4: PROVIDE STANDARD UNIT-MOUNTED DIGITAL CONTROL BOARD
 5: PROVIDE PAINTED ACOUSTICAL ACCESS DOOR FRONT PANEL
- FRONT PANEL
 6: PROVIDE INTEGRAL TRAPPED CONDENSATE LINE
 RUN OUT

UNIT SPECIFICATIONS+

PERFORMACE DATA

	MODEL	5HHPW07	5HHPW09	5HHPWI2	8HHPWI2	8HHPWI5	8HHPWI9	8HHPW24	8HHPW30	8HHPW36	8HHPW42	8HHPW48	8HHPW60	8HHPW70
	COOLING CAPACITY*	6,800	8,500	11,700	11,700	17,100	19,700	25,500	33,300	37,800	42,500	47,000	58,000	71,500
	COOLING EER	12.7	12.2	12.3	12.3	14.2	13.4	12.8	13.5	13.5	12.2	13.2	13.2	12.5
_	HEATING CAPACITY**	9,000	11,200	15,200	15,200	20,400	24,500	31,300	39,700	46,100	51,900	55,300	70,200	83,300
BLE	HEATING COP	4.7	4.3	4.2	4.2	4.6	4.6	4.4	4.5	4.6	4.2	4.5	4.9	4.3
TAE	TYPICAL CFM	230	300	400	400	500	630	800	1000	1200	1400	1600	2000	2400

^{*} BTUH @ 80.6°F DB, 66.2°F WB EAT; 86°F EWT ** BTUH @ 68°F DB, 59°F WB EAT; 68°F EWT

PHYSICAL DATA

MODEL	5HHPW07	5HHPW09	5HHPWI2	8HHPWI2	8HHPWI5	8HHPWI9	8HHPW24	8HHPW30	8HHPW36	8HHPW42	8HHPW48	8HHPW60	8HHPW70
COMPRESSOR TYPE (I EA)	ROTARY	SCROLL	SCROLL	SCROLL	SCROLL								
REFRIGERANT	R410A												
REFRIGERANT FACTORY CHARGE (oz)	16	18	20	20	25	32	37	42	43	47	54	64	71
FAN MOTOR (W)	35	35	35	35	150	150	200	200					
BLOWER WHEEL SIZE (DIAMETERXWIDTH) (IN)	6X6	6X6	7X7	7X7	7X7	8X8	8X8	9X7	9X7	9X7	10X10	10X10	10X10
HOSES (IN)	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
AIR COIL FACE AREA (SQ.FT)	1.4	1.4	1.4	1.4	2.7	2.7	2.7	3.4	3.4	3.4	4.4	4.4	6.1
STANDARD FILTER-I/2"	10X20	10X20	10X20	10X20	18X24	18X24	18X24	19X27	19X27	19X27	16X22	22X22	22X22
AC CHASSIS WEIGHT (LB)	97	99	102	102	150	200	230	240	260	280	300	320	330
CABINET WEIGHT (LB)	130	130	130	130	180	220	280	300	310	320	330	350	360

FOR OVERALL UNIT DIMENSIONS PLEASE REFER TO DRAWING APA-9088

TYPICAL WATER SIDE DATA

	MODEL	5HHPW07	5HHPW09	5HHPWI2	5HHPWI2	8HHPWI5	8HHPWI9	8HHPW24	8HHPW30	8HHPW36	8HHPW42	8HHPW48	8HHPW60	8HHPW70
	FLOW RATE (GPM)	1.4	2.2	3.1	3.1	4.3	5.1	6.5	8.5	9.8	11.0	11.8	14.7	18.0
2	WATER CONNECTION SIZE (IN)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4	3/4
ABLE	CONDENSATE CONNECTION SIZE (IN)	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4



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PROJECT	PROJECT	DATE		BY			REVISIONS
PURCHASER	Purchaser	P.O. #	QTY	DA	TE	BY	DESCRIPTION
ARCHITECT	ARQUITECT						
ENGINEER	Engineer	SHIPPING					
HVAC CONTR.	HVAC CONTRACTOR	DATES					
GEN. CONTR.	GEN CONTRACTOR						

UNIT SPECIFICATIONS+

ELECTRICAL DATA

	MODEL	VOLTAGE/HZ-PHASE	COMPRESSOR RLA	COMPRESSOR LRA	FAN MOTOR FLA	TOTAL UNIT	MINIMUM CIRCUIT AMPS	MAX FUSE /HACR
	5HHPW07	115/60-1	3.3	18	0.5	4.4	5.4	15
	5HHPW09	115/60-1	5.6	25	0.7	5.9	7.2	15
	5HHPWI2	115/60-2	5.1	30	1.0	6.8	8.3	15
	8HHPW12	208/230/60-1	5.1	32.5	1.0	6.8	7.2	15
₇ [8HHPWI5	208/230/60-1	7.7	32	1.2	8.9	10.8	20
Щ	8HHPWI9	208-230/60-1	13.5	58	1.8	15.3	18.7	30
TABLE	8HHPW24	208/230/60-1	14.3	64	2.2	16.5	20.1	30
	8HHPW30	208/230/60-1	14.1	73.0	3.0	17.1	20.6	30
	8HHPW36	208/230/60-1	16.7	79.0	1.8	18.5	22.7	35
	8HHPW42	208/230/60-1	17.9	112.0	3.0	20.9	25.4	40
	8HHPW48	208/230/60-1	13.7	83.1	3.4	17.1	20.5	30
	8HHPW60	208/230/60-1	15.6	110.0	4.9	20.5	24.4	40
	8HHPW70	208-230/60-1	15.7	77	2.5	18.2	22.1	35

AIR FLOW CORRECTION TABLE

	% OF RATED AIR FLOW	70%	75%	80%	85%	90%	95%	100%	105%
	TOTAL CAPACITY	0.92	0.93	0.95	0.96	0.97	0.99	1.00	1.02
COOLING EACTORS	SENSIBLE CAPACITY	0.80	0.83	0.87	0.90	0.93	0.97	1.00	1.04
COOLING FACTORS	POWER	0.97	0.97	0.98	0.99	0.99	1.00	1.00	1.01
	HEAT REJECTION	0.94	0.95	0.96	0.97	0.98	0.99	1.00	1.01
	HEATING CAPACITY	0.94	0.95	0.96	0.97	0.98	0.99	1.00	1.01
HEATING FACTORS	POWER	1.08	1.06	1.05	1.04	1.02	1.01	1.00	0.99
	HEAT EXTRACTION	0.93	0.95	0.96	0.97	0.98	0.99	1.00	1.01

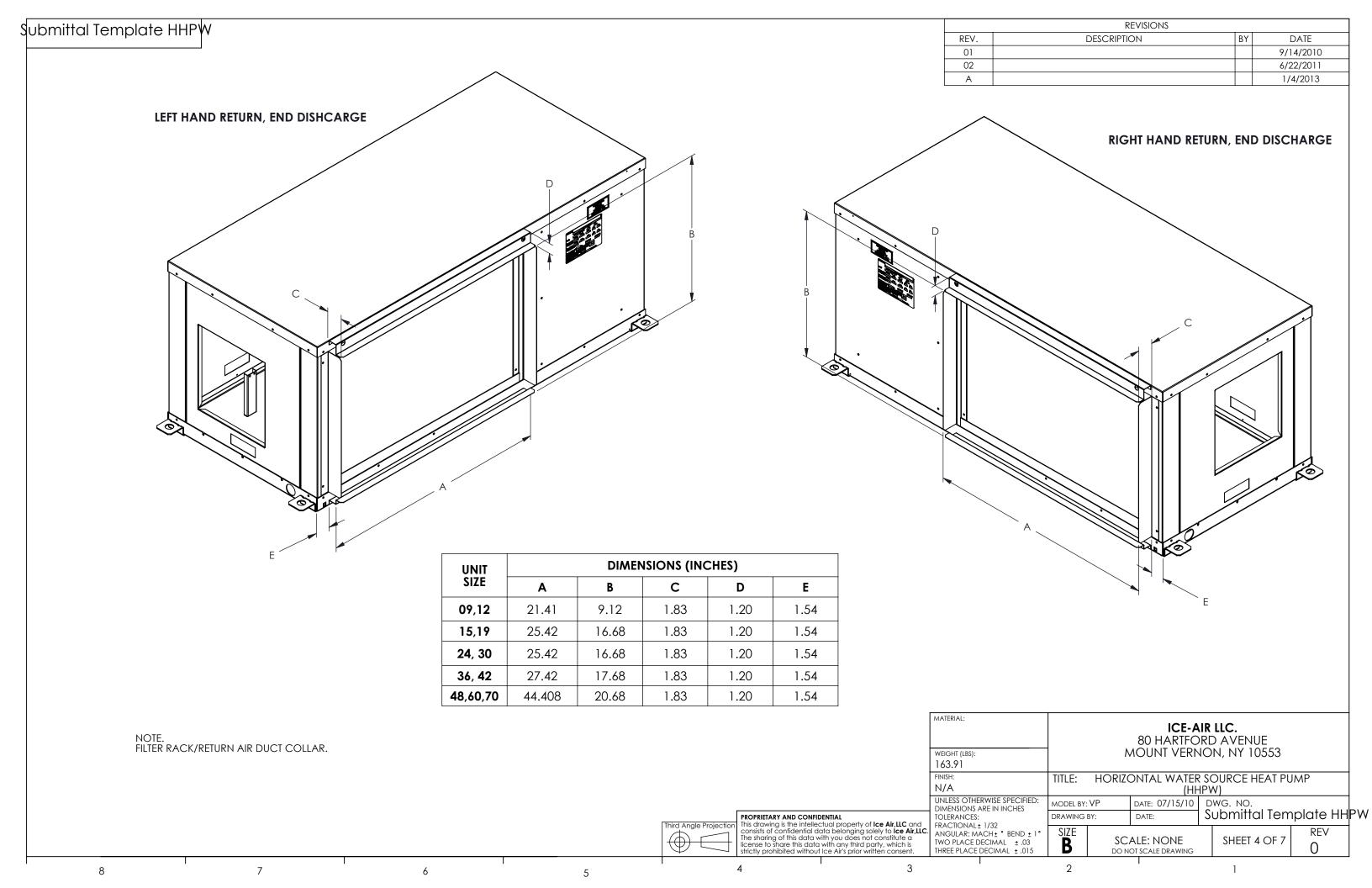
AIR TEMPERATURE CORRECTION TABLE

			HEA	TING				
EAT DB (°F)	45	50	55	60	65	70	75	80
HEATING CAPACITY FACTOR	1.11	1.09	1.06	1.04	1.02	1.00	0.98	0.95
POWER FACTOR	0.77	0.81	0.86	0.91	0.95	1.00	1.05	1.10
HEAT EXTRACTION FACTOR	1.18	1.14	1.11	1.07	1.04	1.00	0.96	0.92

		COOL	ING			
EAT	WB (°F)	60	65	67	70	75
TOTAL CAI	PACITY FACTOR	0.85	0.96	1.00	1.06	1.17
	70	0.85	0.62	0.52	-	-
	75	1.09	0.86	0.76	0.62	-
SENSIBLE CAPACITY	80	1.33	1.09	1.00	0.86	0.63
FACTOR EAT DB	85	*	1.33	1.23	1.09	0.85
	90	*	*	1.48	1.34	1.10
	95	*	*	*	1.56	1.32
POWE	R FACTOR	1.00	1.00	1.00	1.00	1.01
HEAT REJ	ECTION FACTOR	0.90	0.97	1.00	1.05	1.12

DB - DRY BULB AIR TEMPERATURE
WB - WET BULB AIR TEMPERATURE
EAT - ENTERING AIR TEMPERATURE
ALL TEMPERATURES ARE IN °F
* = SENSIBLE CAPACITY EQUALS TOTAL CAPACITY

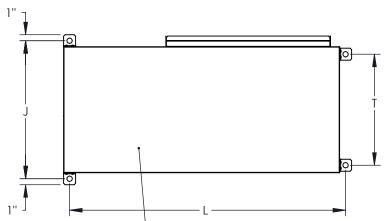
	EWT		60			70			80			85			90			100			110	
(GPM	1.1	1.7	2.3	1.1	1.7	2.3	1.1	1.7	2.3	1.1	1.7	2.3	1.1	1.7	2.3	1.1	1.7	2.3	1.1	1.7	I
Wate	er dP (Ft)	1.1	3.4	6.6	1.1	3.3	6.3	1.0	3.2	6.1	1.0	3.2	6.1	1.0	3.1	6.0	1.0	3.0	5.9	0.9	3.0	_
	Total Sensible	7.2	10.9 7.3	11.0 7.3	9.9 7.1	7.2	7.2	9.3 6.8	9.7 7.0	9.9 7.1	8.9 6.7	9.4 6.9	9.6 7.0	8.5 6.5	9.0 6.7	9.3 6.8	7.5 6.0	8.2 6.3	8.5 6.5	6.5 5.4	7.1 5.8	
	Power (KW)	0.6	0.6	0.5	0.7	0.6	0.6	0.7	0.7	0.7	0.8	0.7	0.7	0.8	0.8	0.7	0.9	0.9	0.8	1.0	0.9	T
	Heat Rejection	12.5	12.7	12.7	12.2	12.4	12.5	11.8	12.1	12.2	11.6	11.9	12.0	11.3	11.7	11.8	10.7	11.1	11.3	9.9	10.3	
Cooling	EER	17.4	19.4	20.4	14.8	16.6	17.6	12.4	14.0	14.9	11.4	12.9	13.7	10.3	11.7	12.4	8.3	9.5	10.2	6.6	7.6	
	Total	10.4	11.1	11.5	11.7	12.5	12.9	13.0	13.8	14.2	13.6	14.4	14.8	14.1	14.9	15.4						
	Power (KW) Heat Extraction	0.7 8.0	0.7 8.6	0.8 8.9	9.2	9.9	0.8 10.3	0.8 10.4	0.8 11.1	0.8 11.5	0.8 11.0	0.8 11.7	0.8 12.1	0.8 11.5	0.8 12.2	0.8 12.6	-					
Heating	COP	4.1	4.4	4.5	4.6	4.8	4.9	4.9	5.2	5.3	5.1	5.4	5.5	5.3	5.5	5.6	ł	One	ration Not	Recommer	nded	
VHPW12																						
	EWT		60			70			80			85			90			100			110	_
	GPM erdP(Ft)	1.5 2.8	2.3 6.6	3.0 12.1	1.5 2.6	2.3 6.1	3.0 11.5	1.5 2.5	2.3 5.8	3.0 10.9	1.5 2.4	2.3 5.7	3.0 10.7	1.5 2.3	2.3 5.6	3.0 10.5	1.5 2.3	2.3 5.5	3.0 10.3	1.5 2.2	2.3 5.3	+
****	Total	14.4	15.0	15.3	13.6	14.2	14.4	12.5	13.3	13.6	12.0	12.7	13.0	11.4	12.2	12.5	10.3	11.0	11.3	9.2	9.8	+
	Sensible	9.4	9.6	9.7	8.9	9.3	9.4	8.5	8.8	8.9	8.3	8.6	8.7	8.1	8.4	8.5	7.7	7.9	8.1	7.1	7.4	T
	Power (KW)	0.8	0.7	0.7	0.9	0.8	0.8	1.0	0.9	0.9	1.0	1.0	0.9	1.1	1.0	1.0	1.2	1.1	1.1	1.3	1.2	
	Heat Rejection	17.1	17.5	17.7	16.6	17.0	17.1	15.8	16.4	16.6	15.5	16.0	16.2	15.1	15.6	15.8	14.3	14.9	15.1	13.6	14.0	╄
Cooling	EER	18.1	20.3	21.6	15.2	17.1	18.2	12.7	14.3	15.2	11.6	13.1	13.9	10.6	11.9	12.6	8.7	9.8	10.4	7.1	8.0	
	Total Power (KW)	12.8 0.9	13.6 0.9	14.0 0.9	0.9	15.1	15.6	15.8 1.0	16.6	17.1	16.4 1.0	17.3 1.0	17.8 1.0	17.1	18.0 1.0	18.4 1.0	-					
	Heat Extraction	9.7	10.4	10.8	11.1	11.9	12.3	12.5	13.3	13.7	13.1	14.0	14.3	13.8	14.5	14.9	1					
leating	COP	4.1	4.3	4.4	4.5	4.6	4.7	4.8	5.0	5.1	4.9	5.1	5.2	5.1	5.2	5.3	t	Оре	ration Not	Recommer	nded	
																						Т
MPW15																						
	EWT		60			70			80			85			90			100			110	
	GPM	1.9	2.8	3.8	1.9	2.8	0.8	1.9	2.8	3.8	1.9	2.8	3.8	1.9	2.8	3.8	1.9	2.8	3.8	1.9	2.8	+
₩ate	er dP (Ft)	0.6	1.1	3.3	0.5	1.0	3.0	0.5	1.0	2.9	0.5	1.0	2.8	0.5	0.9	2.8	0.5	0.9	2.7	0.5	0.8	+
	Total Sensible	16.3	17.1 11.5	17.5 11.7	15.2 10.6	16.0 11.0	16.3 11.2	13.9 10.1	14.7 10.4	15.1 10.6	13.3 9.8	14.1 10.1	14.5 10.3	12.7 9.5	13.4 9.8	13.8 10.0	9.0	12.1 9.3	12.5 9.4	10.1 8.5	10.8 8.7	+
	Power (KW)	0.9	0.8	0.8	1.0	0.9	0.9	10.1	1.0	1.0	1.2	10.1	10.3	1.2	1.2	1.1	1.3	1.3	1.2	1.5	1.4	+
	Heat Rejection	19.3	19.9	20.1	18.5	19.1	19.3	17.7	18.2	18.5	17.2	17.8	18.1	16.8	17.3	17.6	15.9	16.4	16.7	15.1	15.5	†
Cooling	EER	18.2	20.5	21.8	15.2	17.1	18.2	12.6	14.2	15.1	11.5	12.9	13.7	10.3	11.6	12.4	8.5	9.5	10.1	6.9	7.7	İ
	Total	14.9	15.8	16.3	16.7	17.7	18.3	18.5	19.6	20.2	19.4	20.6	21.2	20.3	21.5	22.2						_
	Power (KW)	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1						
	Heat Extraction	11.5	12.2	12.7	13.1	14.0	14.6	14.9	15.9	16.4	15.7	16.7	17.4	16.5	17.6	18.2	1	_				
leating	СОР	4.3	4.4	4.6	4.7	4.9	5.0	5.0	5.2	5.3	5.2	5.4	5.5	5.4	5.6	5.7		Оре	ration Not	Recommer	nded	_
HPW18																						+
	EWT		60			70			80			85			90			100			110	_
	GPM	2.3	3.4	4.5	2.3	3.4	4.5	2.3	3.4	4.5	2.3	3.4	4.5	2.3	3.4	4.5	2.3	3.4	4.5	2.3	3.4	Т
Wate	er dP (Ft)	1.2	3.6	6.8	1.2	3.2	6.3	1.2	3.2	6.0	1.1	2.9	5.7	1.0	2.9	5.6	1.0	2.9	5.4	1.0	2.8	T
	Total	20.9	21.8	22.1	19.7	20.6	21.0	18.3	19.2	19.6	17.5	18.4	18.8	16.8	17.7	18.2	15.3	16.1	16.7	13.8	14.6	
	Sensible	14.8	15.2	15.4	14.2	14.6	14.8	13.5	14.0	14.2	13.2	13.6	13.9	12.9	13.3	13.5	12.1	12.6	12.8	11.5	11.9	
	Power (KW)	1.2	1.1	1.0	1.3	1.2	1.2	1.5	1.4	1.3	1.5	1.4	1.4	1.6	1.5	1.5	1.8	1.7	1.6	1.9	1.8	\perp
	Heat Rejection	24.8	25.3	25.6	24.0	24.6	24.8	23.2	23.7	24.0	22.7	23.3	23.5	22.2	22.9	23.1	21.3	21.9	22.1	20.4	20.9	\perp
Cooling	EER Total	18.1 20.4	20.3 21.5	21.5 22.1	15.2 22.8	17.0 24.1	18.1 24.7	12.6 25.2	14.2 26.4	15.1 27.2	11.5 26.2	13.0 27.5	13.8 28.3	10.5 27.3	11.8 28.7	12.5 29.3	8.6	9.7	10.3	7.1	8.0	
	Power (KW)	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	†					
	Heat Extraction	15.7	16.8	17.3	18.0	19.1	19.8	20.2	21.5	22.1	21.3	22.6	23.2	22.4	23.5	24.2	1					
Heating	COP	4.3	4.5	4.6	4.7	4.9	5.0	5.1	5.3	5.4	5.2	5.4	5.6	5.4	5.6	5.7	1	Оре	ration Not	Recommer	nded	
VHPW24																						
	EWT		60																			
(GPM .					70	1 00		80			85			90			100			110	_
Monte		3.0	4.5	6.0	3.0	4.5	6.0	3.0	4.5	6.0	3.0	4.5	6.0	3.0	4.5	6.0	3.0	4.5	6.0	3.0	4.5	
Wate	erdP(Ft)	2.9	4.5 4.9	9.8	2.8	4.5 4.8	9.5	2.6	4.5 4.5	8.8	2.5	4.5 4.4	8.7	2.5	4.5 4.3	8.6	2.4	4.5 4.1	7.9	2.3	4.5 4.0	
Wate	er dP (Ft) Total	2.9 30.2	4.5 4.9 31.3	9.8 31.7	2.8 28.4	4.5 4.8 29.6	9.5 30.3	2.6 26.2	4.5 4.5 27.7	8.8 28.4	2.5 25.0	4.5 4.4 26.5	8.7 27.2	2.5 23.9	4.5 4.3 25.4	8.6 26.1	2.4 21.6	4.5 4.1 23.0	7.9 23.7	2.3 19.4	4.5 4.0 20.7	
Wate	erdP(Ft)	2.9	4.5 4.9	9.8	2.8	4.5 4.8	9.5	2.6	4.5 4.5	8.8	2.5	4.5 4.4	8.7	2.5	4.5 4.3	8.6	2.4	4.5 4.1	7.9	2.3	4.5 4.0	
	er dP (Ft) Total Sensible	2.9 30.2 22.1	4.5 4.9 31.3 22.6	9.8 31.7 22.8	2.8 28.4 21.1	4.5 4.8 29.6 21.8	9.5 30.3 22.1	2.6 26.2 20.1	4.5 4.5 27.7 20.8	8.8 28.4 21.1	2.5 25.0 19.5	4.5 4.4 26.5 20.2	8.7 27.2 20.6	2.5 23.9 19.0	4.5 4.3 25.4 19.6	8.6 26.1 20.0	2.4 21.6 17.9	4.5 4.1 23.0 18.6	7.9 23.7 18.8	2.3 19.4 17.1	4.5 4.0 20.7 17.6	
	er dP (Ft) Total Sensible Power (KW)	2.9 30.2 22.1 1.6	4.5 4.9 31.3 22.6 1.5 36.4 20.5	9.8 31.7 22.8 1.5	2.8 28.4 21.1 1.8 34.5 15.6	4.5 4.8 29.6 21.8 1.7 35.4 17.5	9.5 30.3 22.1 1.6 35.7 18.5	2.6 26.2 20.1 2.0 33.1 12.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6	8.8 28.4 21.1 1.8	2.5 25.0 19.5 2.2 32.4 11.7	4.5 4.4 26.5 20.2 2.0	8.7 27.2 20.6 1.9 33.8 14.2	2.5 23.9 19.0 2.3 31.7 10.5	4.5 4.3 25.4 19.6 2.1 32.5 12.0	8.6 26.1 20.0 2.0	2.4 21.6 17.9 2.6	4.5 4.1 23.0 18.6 2.4	7.9 23.7 18.8 2.3	2.3 19.4 17.1 2.9	4.5 4.0 20.7 17.6 2.7	
	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total	2.9 30.2 22.1 1.6 35.7 18.5 26.4	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0	9.8 31.7 22.8 1.5 36.7 21.6 28.8	2.8 28.4 21.1 1.8 34.5 15.6 29.8	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6	9.5 30.3 22.1 1.6 35.7	2.6 26.2 20.1 2.0 33.1 12.9 33.2	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2	8.8 28.4 21.1 1.8 34.5 15.5 36.3	2.5 25.0 19.5 2.2 32.4 11.7 34.9	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9	8.7 27.2 20.6 1.9 33.8 14.2 38.1	2.5 23.9 19.0 2.3 31.7 10.5 36.5	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7	8.6 26.1 20.0 2.0 33.0	2.4 21.6 17.9 2.6 30.3	4.5 4.1 23.0 18.6 2.4 31.1	7.9 23.7 18.8 2.3 31.6	2.3 19.4 17.1 2.9 29.4	4.5 4.0 20.7 17.6 2.7 29.9	E
	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW)	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0	2.6 26.2 20.1 2.0 33.1 12.9 33.2 2.0	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 2.1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2	2.4 21.6 17.9 2.6 30.3	4.5 4.1 23.0 18.6 2.4 31.1	7.9 23.7 18.8 2.3 31.6	2.3 19.4 17.1 2.9 29.4	4.5 4.0 20.7 17.6 2.7 29.9	
ooling	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 24.9	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9	2.6 26.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 2.1 29.8	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2 32.5	2.4 21.6 17.9 2.6 30.3	4.5 4.1 23.0 18.6 2.4 31.1 9.6	7.9 23.7 18.8 2.3 31.6 10.3	2.3 19.4 17.1 2.9 29.4 6.7	4.5 4.0 20.7 17.6 2.7 29.9 7.6	
ooling	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW)	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0	2.6 26.2 20.1 2.0 33.1 12.9 33.2 2.0	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 2.1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2	2.4 21.6 17.9 2.6 30.3	4.5 4.1 23.0 18.6 2.4 31.1 9.6	7.9 23.7 18.8 2.3 31.6 10.3	2.3 19.4 17.1 2.9 29.4	4.5 4.0 20.7 17.6 2.7 29.9 7.6	
cooling leating	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 24.9	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9	2.6 26.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 2.1 29.8	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2 32.5	2.4 21.6 17.9 2.6 30.3	4.5 4.1 23.0 18.6 2.4 31.1 9.6	7.9 23.7 18.8 2.3 31.6 10.3	2.3 19.4 17.1 2.9 29.4 6.7	4.5 4.0 20.7 17.6 2.7 29.9 7.6	
Cooling Leating JHPW30	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 24.9	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9	2.6 26.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 2.1 29.8	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2 32.5	2.4 21.6 17.9 2.6 30.3	4.5 4.1 23.0 18.6 2.4 31.1 9.6	7.9 23.7 18.8 2.3 31.6 10.3	2.3 19.4 17.1 2.9 29.4 6.7	4.5 4.0 20.7 17.6 2.7 29.9 7.6	
Cooling leating MPW30	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 24.9 4.7	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9	2.6 26.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 2.1 29.8 5.1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2 32.5	2.4 21.6 17.9 2.6 30.3	4.5 4.1 23.0 18.6 2.4 31.1 9.6	7.9 23.7 18.8 2.3 31.6 10.3	2.3 19.4 17.1 2.9 29.4 6.7	4.5 4.0 20.7 17.6 2.7 29.9 7.6	
eating HPW30	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM er dP (Ft)	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 2.4 4.7	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8	2.6 26.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0 80 5.6 5.4	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 2.1 29.8 5.1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2 32.5 5.4	2.4 21.6 17.9 2.6 30.3 8.4 3.8 1.6	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope	7.9 23.7 18.8 2.3 31.6 10.3 restion Not	2.3 19.4 17.1 2.9 29.4 6.7 Recommer	4.5 4.0 20.7 17.6 2.7 29.9 7.6	
eating HPW30	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM er dP (Ft) Total	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 24.9 4.7	9.5 30.3 22.1 1.6 35.7 18.5 2.0 25.9 4.8	2.6 26.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0 80 5.6 5.4 35.3	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 2.1 29.8 5.1 85 5.6 5.3 34.3	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0	2.4 21.6 17.9 2.6 30.3 8.4 3.8 1.6 28.9	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6	7.9 23.7 18.8 2.3 31.6 10.3 **ration Not** 7.5 9.3 31.4	2.3 19.4 17.1 2.9 29.4 6.7 Recommer	4.5 4.0 20.7 17.6 2.7 29.9 7.6	
Cooling Jeating JHPW30	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM er dP (Ft) Total Sensible	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 60 5.6 6.4 37.9 24.3	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5 7.5 12.1 38.1 24.3	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 24.9 4.7 70 5.6 6.2 36.9 24.2	9.5 90.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.2	2.6 26.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0 80 5.6 5.4 35.3 23.8	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 2.1 29.8 5.1 85 5.6 5.3 34.3 23.4	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0	8.6 26.1 20.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3	2.4 21.6 17.9 2.6 30.3 8.4 3.8 1.6 28.9 20.9	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9	7.9 23.7 18.8 2.3 31.6 10.3 erration Not 7.5 9.3 31.4 22.2	2.3 19.4 17.1 2.9 29.4 6.7 Recommer	4.5 4.0 20.7 17.6 2.7 29.9 7.6 110 5.6 4.7 27.5 20.1	
Cooling Jeating JHPW30	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM Total Total Sensible Power (KW)	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5 7.5 12.1 38.1 24.3 1.8	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 24.9 4.7 70 5.6 6.2 36.9 24.2 2.0	9.5 30.3 22.1 1.6 35.7 18.5 2.6 2.0 25.9 4.8	2.6 26.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 2.4	4.5 4.5 27.7 20.8 1.9 34.0 35.2 2.1 28.2 5.0 80 5.6 5.4 35.3 23.8 23.8	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 2.9 2.5	4.5 4.4 28.5 20.2 2.0 33.3 13.3 36.9 2.1 29.8 5.1 85 5.6 5.3 34.3 23.4 2.4	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5	8.6 26.1 20.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 2.4	2.4 21.6 17.9 2.6 30.3 8.4 3.8 1.6 28.9 20.9 3.0	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 2.8	7.9 23.7 18.8 2.3 31.6 10.3 eration Not 7.5 9.3 31.4 22.2 2.7	2.3 19.4 17.1 2.9 29.4 6.7 Recommer	4.5 4.0 20.7 17.6 2.7 29.9 7.6 110 5.6 4.7 27.5 20.1	
Cooling Heating WHPW30 WHPW30 Wate	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM er dP (Ft) Sensible Power (KW) Heat Rejection	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 60 5.6 4.4 37.9 24.3 1.9	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5 7.5 12.1 38.1 24.3 1.8 42.1	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5 3.8 2.1 36.0 23.9 2.2 41.3	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 24.9 4.7 70 5.6 6.2 36.9 24.2 24.2 24.8	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0	2.6 26.2 20.1 2.0 33.1 12.9 26.4 4.9 3.8 1.7 34.1 23.4 2.4 40.4	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0 80 5.4 35.3 23.8 23.8 2.3 41.1	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 23.9 241.3	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 22.9 39.7	4.5 4.4 26.5 20.2 20.0 33.3 36.9 2.1 29.8 5.1 85 5.6 34.3 23.4 24.4 25.5 26.5 26.5 27.6 28.6 29.6 2	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 40.7	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.3 39.0	4.5 4.3 25.4 19.6 2.1 32.5 12.0 36.7 2.2 31.4 5.3 90 5.6 2.3 33.3 23.0 2.5 39.9	8.6 26.1 20.0 33.0 12.8 32.5 5.4 7.5 9.7 34.0 23.3 2.4 40.3	2.4 21.6 17.9 2.6 30.3 8.4 3.8 1.6 28.9 20.9 3.0 37.4	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 38.4	7.9 23.7 18.8 2.3 31.6 10.3 eration Not 7.5 9.3 31.4 22.2 2.7 38.9	2.3 19.4 17.1 2.9 28.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.3 3.5 3.5	4.5 4.0 20.7 17.6 2.7 29.9 7.6 4.7 27.5 20.1 3.1 36.7	
Cooling Heating WHPW30	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT Total Sensible Power (KW) Heat Extraction	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 1.9	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5 7.5 12.1 38.1 24.3 1.8 42.1 19.8	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 24.9 4.7 70 5.6 6.2 36.9 24.2 2.1 8 17.0	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 37.3 24.2 2.0 42.0	2.6 26.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 3.4 1.23.4 2.4 40.4 13.4	4.5 4.5 27.7 20.8 1.9 34.0 35.2 2.1 28.2 5.0 5.6 5.6 5.4 23.8 23.8 23.8 23.8 41.1	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.3 15.5	2.5 25.0 19.5 2.2 32.4 111.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 22.5 39.7 12.4	4.5 4.4 26.5 20.2 20.2 20.3 33.3 36.9 2.1 29.8 5.1 85 5.6 5.3 34.3 23.4 2.4 40.5 13.7	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 33.9 23.0 25.4 20.0 38.7 20.0	8.6 26.1 20.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 24.4 40.3 13.3	2.4 21.6 17.9 2.6 30.3 8.4 3.8 1.6 28.9 20.9 3.0	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 2.8	7.9 23.7 18.8 2.3 31.6 10.3 eration Not 7.5 9.3 31.4 22.2 2.7	2.3 19.4 17.1 2.9 29.4 6.7 Recommer	4.5 4.0 20.7 17.6 2.7 29.9 7.6 110 5.6 4.7 27.5 20.1	
Cooling Heating WHPW30 Wate	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM er dP (Ft) Sensible Power (KW) Heat Rejection	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2 3.8 2.1 3.7 3.7 24.2 2.0 4.2	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 60 5.6 4.4 37.9 24.3 1.9	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5 7.5 12.1 38.1 24.3 1.8 42.1	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5 3.8 2.1 36.0 23.9 2.2 41.3	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 24.9 4.7 70 5.6 6.2 36.9 24.2 24.2 24.8	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0	2.6 26.2 20.1 2.0 33.1 12.9 26.4 4.9 3.8 1.7 34.1 23.4 2.4 40.4	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0 80 5.4 35.3 23.8 23.8 2.3 41.1	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 23.9 241.3	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 22.9 39.7	4.5 4.4 26.5 20.2 20.0 33.3 36.9 2.1 29.8 5.1 85 5.6 34.3 23.4 24.4 25.5 26.5 26.5 27.6 28.6 29.6 2	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 40.7	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.3 39.0	4.5 4.3 25.4 19.6 2.1 32.5 12.0 36.7 2.2 31.4 5.3 90 5.6 2.3 33.3 23.0 2.5 39.9	8.6 26.1 20.0 33.0 12.8 32.5 5.4 7.5 9.7 34.0 23.3 2.4 40.3	2.4 21.6 17.9 2.6 30.3 8.4 3.8 1.6 28.9 20.9 3.0 37.4	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 38.4	7.9 23.7 18.8 2.3 31.6 10.3 eration Not 7.5 9.3 31.4 22.2 2.7 38.9	2.3 19.4 17.1 2.9 28.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.3 3.5 3.5	4.5 4.0 20.7 17.6 2.7 29.9 7.6 4.7 27.5 20.1 3.1 36.7	
Cooling Heating HPW30 Wate	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM Total Sensible Power (KW) Heat Extraction COP Total For dP (Ft) Total Power (KW) Heat Rejection Power (KW) Heat Rejection Power (KW) Heat Extraction	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 42.0 42.0 42.0 42.0 42.0	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 22.1 23.3 2.1	9.8 31.7 22.8 1.5 36.7 21.8 28.8 1.9 22.3 4.5 7.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 2.1 25.9	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5 3.8 2.1 36.0 23.9 2.2 41.3 4.5 2.2 41.3 4.0 2.1 4.5	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 24.9 4.7 70 5.6 6.2 36.9 24.2 2.0 41.8 17.5 31.6 2.0 24.9 4.7	9.5 90.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 2.5 2.5	2.6 26.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 2.4 40.4 13.4 36.6 2.2 29.2	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0 80 5.6 5.4 35.3 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 23.9 23.9 23.9 24.3 15.5 37.8 2.2 30.5	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 5.1 29.8 5.1 86 5.3 34.3 23.4 2.4 40.5 36.1 36.	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 38.2 2.2 30.7	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 39.9 12.6 38.6 2.2 31.0	8.6 26.1 20.0 2.0 33.0 33.9 2.2 2.2 32.5 5.4 7.5 9.7 34.0 23.3 2.4 40.3 38.6 2.2 31.1	2.4 21.6 17.9 2.6 30.3 8.4 3.8 1.6 28.9 20.9 3.0 37.4	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 2.8 38.4 10.4	7.9 23.7 18.8 2.3 31.6 10.3 7.5 9.3 31.4 22.2 2.7 38.9 11.0	2.3 19.4 17.1 2.9 29.4 6.7 Recommer	4.5 4.0 20.7 17.6 2.7 29.9 7.6 110 5.6 4.7 27.5 20.1 3.1 36.7 8.3	
eating HPW30 Wate	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW)	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2 4.2 3.8 2.1 37.3 24.2 2.0 4.2 17.8 31.8 2.1 37.3 24.2 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5 7.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 2.1	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5 3.8 2.1 36.0 23.9 23.9 23.9 23.9 23.9 23.9 23.9	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 24.9 4.7 70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.4	9.5 90.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2	2.6 26.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 2.4 40.4 13.4 36.6 2.2	4.5 4.5 27.7 20.8 1.9 34.0 14.8 35.2 2.1 28.2 5.0 5.6 5.4 35.3 23.8 2.3 23.8 2.3 41.1 14.8 37.5 2.2	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 2.1 29.8 5.1 85 5.6 5.3 34.3 23.4 24.5 40.5 13.7 38.1 2.2	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.3 2.7	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 12.0 38.7 2.2 31.4 5.3	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 2.4 40.3 13.3 38.6 2.2	2.4 21.6 17.9 2.6 30.3 8.4 3.8 1.6 28.9 20.9 3.0 37.4	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 2.8 38.4 10.4	7.9 23.7 18.8 2.3 31.6 10.3 7.5 9.3 31.4 22.2 2.7 38.9 11.0	2.3 19.4 17.1 2.9 28.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.3 3.5 3.5	4.5 4.0 20.7 17.6 2.7 29.9 7.6 110 5.6 4.7 27.5 20.1 3.1 36.7 8.3	
eating MPW30 Wate	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM Total Sensible Power (KW) Heat Extraction COP Total For dP (Ft) Total Power (KW) Heat Rejection Power (KW) Heat Rejection Power (KW) Heat Extraction	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 42.0 42.0 42.0 42.0 42.0	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 22.1 23.3 2.1	9.8 31.7 22.8 1.5 36.7 21.8 28.8 1.9 22.3 4.5 7.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 2.1 25.9	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5 3.8 2.1 36.0 23.9 2.2 41.3 4.5 2.2 41.3 4.0 2.1 4.5	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 24.9 4.7 70 5.6 6.2 36.9 24.2 2.0 41.8 17.5 31.6 2.0 24.9 4.7	9.5 90.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 2.5 2.5	2.6 26.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 2.4 40.4 13.4 36.6 2.2 29.2	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0 80 5.6 5.4 35.3 23.8 23.8 23.8 23.8 23.8 23.8 23.8 23	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 23.9 23.9 23.9 24.3 15.5 37.8 2.2 30.5	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 5.1 29.8 5.1 86 5.3 34.3 23.4 2.4 40.5 36.1 36.	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 38.2 2.2 30.7	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 39.9 12.6 38.6 2.2 31.0	8.6 26.1 20.0 2.0 33.0 33.9 2.2 2.2 32.5 5.4 7.5 9.7 34.0 23.3 2.4 40.3 38.6 2.2 31.1	2.4 21.6 17.9 2.6 30.3 8.4 3.8 1.6 28.9 20.9 3.0 37.4	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 2.8 38.4 10.4	7.9 23.7 18.8 2.3 31.6 10.3 7.5 9.3 31.4 22.2 2.7 38.9 11.0	2.3 19.4 17.1 2.9 29.4 6.7 Recommer	4.5 4.0 20.7 17.6 2.7 29.9 7.6 110 5.6 4.7 27.5 20.1 3.1 36.7 8.3	
eating HPW30 Wate	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM Total Sensible Power (KW) Heat Extraction COP EWT GPM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 42.0 42.0 42.0 42.0 42.0	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 4.4 60 5.6 6.4 37.9 24.3 19.1 32.3 24.3 42.1 42.1 4.5	9.8 31.7 22.8 1.5 36.7 21.8 28.8 1.9 22.3 4.5 7.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 2.1 25.9	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5 3.8 2.1 36.0 23.9 2.2 41.3 4.5 2.2 41.3 4.0 2.1 4.5	4.5 4.8 29.6 21.8 1.7 35.4 1.7.5 31.6 2.0 24.9 4.7 70 5.6 6.2 36.9 24.2 24.2 24.2 24.2 24.2 24.2 24.8	9.5 90.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 2.5 2.5	2.6 26.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 2.4 40.4 13.4 36.6 2.2 29.2	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0 80 6.6 5.4 35.3 23.8 2.3 41.1 14.8 37.5 2.2 30.0 5.0	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 23.9 23.9 23.9 24.3 15.5 37.8 2.2 30.5	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9	4.5 4.4 26.5 20.2 2.0 33.3 36.9 2.1 29.8 5.1 85 5.6 5.3 34.3 23.4 40.5 13.7 38.1 2.2 30.6 5.1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 38.2 2.2 30.7	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 39.9 12.6 38.6 2.2 31.0 38.7	8.6 26.1 20.0 2.0 33.0 33.9 2.2 2.2 32.5 5.4 7.5 9.7 34.0 23.3 2.4 40.3 38.6 2.2 31.1	2.4 21.6 17.9 2.6 30.3 8.4 3.8 1.6 28.9 20.9 3.0 37.4	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 38.4 10.4 Ope	7.9 23.7 18.8 2.3 31.6 10.3 7.5 9.3 31.4 22.2 2.7 38.9 11.0	2.3 19.4 17.1 2.9 29.4 6.7 Recommer	4.5 4.0 20.7 17.6 2.7 29.9 7.6 10 4.7 27.5 20.1 3.1 3.1 3.6,7 8.3	
eating MPW36 Wate	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT Total Sensible Power (KW) Heat Extraction EER Total Fower (KW) Heat Extraction COP	2.9 30.2 22.1 1.6 35.7 18.5 20.2 4.2 4.2 2.0 4.2 2.0 4.2 2.0 4.3 3.8 2.1 37.3 24.2 2.0 4.2 2.0 4.3 3.3 4.3 4.3	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 24.4 4.4 60 60 6.4 37.9 24.3 1.9 4.21 1.9 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 25.6 6.4 26.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5 7.5 12.1 38.1 24.3 1.8 42.1 1.9 42.1 1.9 42.1 1.9 42.1 1.9 4.5	2.8 28.4 29.4 1.1 1.8 34.5 1.9 23.3 4.5 29.8 1.9 23.3 4.5 23.9 2.1 36.0 23.9 2.2 41.3 36.0 23.9 2.2 41.3 4.5 2.2 4.7	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 4.7 70 6.2 36.9 24.9 24.9 4.7 70 6.2 36.9 24.9 25.9 26.9	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 17.7 35.9 2.2 2.0	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 40.4 40.4 41.3 40.4 49.4 49.4 49.4 49.4 49.4 49.4 49.4	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 25.0 80 5.6 5.4 35.3 23.8 2.3 41.1 14.8 37.5 2.2 30.0 5.0	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9 5.0	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 2.1 29.8 5.1 85 5.6 5.3 34.3 2.4 40.5 13.7 38.1 2.2 30.6 5.1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 39.0 11.3 30.7 5.1	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 39.9 12.6 38.9 2.1 31.9 30.7 30.7 30.7 30.7 30.7 30.7 30.7 30.7	8.6 26.1 20.0 20 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 24 40.3 13.3 38.6 2.2 31.1 5.1	2.4 2.5 17.9 2.6 30.3 8.4 3.8 1.6 28.9 20.9 3.0 37.4 9.2	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 4.9 30.6 21.9 2.8 38.4 10.4	7.9 23.7 18.8 2.3 31.6 10.3	2.3 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.3 35.7 7.3	4.5 4.0 20.7 17.6 2.7 29.9 7.6 4.7 27.5 20.1 3.1 36.7 8.3	
leating HPW30 Wate Cooling Heating	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM Total Sensible Power (KW) Heat Extraction COP Total Power (KW) Heat Rejection Fower (KW) Heat Rejection COP	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2 4.2 37.3 24.2 2.0 42.0 17.8 31.0 2.1 23.8 4.3	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1 4.5	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5 7.5 12.1 38.1 24.3 1.8 42.1 1.9 33.0 2.1 9.0	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5 2.1 36.0 23.9 4.5 2.2 41.3 15.7 34.0 2.1 4.7	4.5 4.8 29.6 21.8 1.7 35.4 1.7.5 31.6 2.0 24.9 4.7 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 2.0 4.8	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 4.9	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 4.0 4.1 36.6 2.2 4.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0 80 5.6 5.4 35.3 23.8 23.8 23.8 41.1 14.8 37.5 2.2 2.2 30.0 5.0	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 23.9 23.9 35.9 23.9 37.8 2.2 41.3 15.5 37.8 2.2 41.3 15.5 37.8 2.1 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.5 39.7 12.4 37.3 2.2 39.7 12.4 37.3 2.5	4,5 4,4 26.5 20.2 2.0 33.3 38.9 2.1 29.8 5.1 85 5.6 5.3 34.3 34.3 23.4 4.0.5 13.7 38.1 2.2 8 5.1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.4 40.7 14.4 38.3 2.2 30.8 5.1	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.7 39.0 11.3 38.2 2.7 39.0 11.3 38.2 2.1	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 33.3 23.0 2.5 12.0 5.6 5.2 33.3 23.0 5.6 5.1 2.5 5.6 5.3 5.6 5.6 5.6 5.7 2.5 5.6 5.7 2.5 5.6 5.7 2.5 5.6 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7	8.6 26.1 20.0 2.0 33.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 2.4 40.3 13.3 38.6 2.2 31.1 5.1	2.4 21.6 17.9 2.6 30.3 8.4 3.8 1.6 28.9 20.9 37.4 9.2	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Ope 100 6.8	7.9 23.7 18.8 2.3 31.6 10.3 eration Not. 7.5 9.3 31.4 22.2 2.7 38.9 11.0	2.3 19.4 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.3 35.7 7.3	4.5 4.0 20.7 17.6 2.7 29.9 7.6 110 5.6 4.7 27.5 20.1 3.1 36.7 6.3	
eating HPW30 Wate cooling eating HPW36	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT Total Sensible Power (KW) Heat Extraction EER Total Fower (KW) Heat Extraction COP	2.9 30.2 22.1 1.6 35.7 18.5 20.2 4.2 4.2 2.0 4.2 2.0 4.2 2.0 4.3 3.8 2.1 37.3 24.2 2.0 4.2 2.0 4.3 3.3 4.3 4.3	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 60 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1 4.5 4.6 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5 7.5 12.1 38.1 24.3 1.8 42.1 1.9 42.1 1.9 42.1 1.9 42.1 1.9 4.5	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5 23.9 23.9 23.9 22.2 41.3 26.7 4.7	4.5 4.8 29.6 21.8 1.7 35.4 17.5 31.6 2.0 4.7 70 6.2 36.9 24.9 24.9 4.7 70 6.2 36.9 24.9 25.9 26.9	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 17.7 35.9 2.2 2.0	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 40.4 40.4 41.3 40.4 4.9 4.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 25.0 80 5.6 5.4 35.3 23.8 2.3 41.1 14.8 37.5 2.2 30.0 5.0	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.5 39.7 12.4 37.3 2.2 29.9 5.0	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 2.1 29.8 5.1 85 5.6 5.3 34.3 2.4 40.5 13.7 38.1 2.2 30.6 5.1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 39.0 11.3 30.7 5.1	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 39.9 12.6 39.9 39.9 39.9 39.9 39.9 39.9 39.9 39	8.6 26.1 20.0 20 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 24 40.3 13.3 38.6 2.2 31.1 5.1	2.4 2.5 17.9 2.6 30.3 8.4 3.8 1.6 28.9 20.9 3.0 37.4 9.2	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 4.9 30.6 21.9 2.8 38.4 10.4	7.9 23.7 18.8 2.3 31.6 10.3	2.3 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.3 35.7 7.3	4.5 4.0 20.7 17.6 2.7 29.9 7.6 4.7 27.5 20.1 3.1 36.7 8.3	
eating HPW30 Wate Cooling eating HPW36	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM er dP (Ft) Total Sensible Power (KW) Heat Extraction EER Total Fower (KW) Heat Extraction COP	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2 4.2 2.1 37.3 24.2 2.0 42.0 17.8 31.0 2.1 23.8 4.3	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1 4.5	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5 7.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 2.1 19.8 33.0 4.5	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5 2.1 36.0 23.9 4.5 2.2 41.3 15.7 34.0 2.1 4.7	4.5 4.8 29.6 21.8 1.7 35.4 1.7 35.5 2.0 24.9 4.7 70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 4.7 70 6.8 6.8	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 17.7 35.9 2.2 2.0 4.9	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 2.4 40.4 13.4 36.6 2.2 29.2 4.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0 80 6.6 5.4 35.3 23.8 23.8 2.3 41.1 14.8 37.5 2.2 30.0 5.0 6.6 6.8 9.7	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.5 39.7 12.4 37.3 2.2 39.7 12.4 37.3 2.5	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 2.1 29.8 5.1 85 5.6 5.3 34.3 23.4 40.5 13.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 3	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 38.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.7 39.0 5.1	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 33.3 23.0 2.5 33.3 23.0 2.5 33.3 23.0 2.5 33.3 25.0 36.0 36.0 36.0 36.0 36.0 36.0 36.0 36	8.6 20.0 2.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 23.3 24.4 43.3 38.6 2.2 31.1 5.1	2.4 21.6 17.9 2.6 30.3 8.4 3.8 1.6 28.9 20.9 3.0 37.4 9.2	4.5 4.1 23.0 18.6 2.4 31.1 9.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.9 23.7 18.8 2.3 31.6 10.3 eration Not 7.5 9.3 31.4 22.2 2.7 38.9 11.0 eration Not	2.3 1.3 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.3 35.7 7.3	4.5 4.0 20.7 17.6 2.7 29.9 7.6 110 5.6 4.7 27.5 20.1 3.1 36.7 8.3	
eating HPW30 Wate Cooling eating HPW36	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM FORM FORM FORM FORM FORM FORM FORM FOR	2.9 30.2 22.1 1.6 35.7 18.5 20.2 4.2 4.2 2.0 42.0 42.0 42.1 23.8 4.3 4.5 5.2 42.1 23.8 4.3	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 24.4 60 60 6.4 37.9 24.3 1.9 24.3 1.9 24.3 1.9 24.5 60 6.4 37.9 4.21 4.5 60 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	9.8 9.8 1.5 36.7 21.6 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 24.3 38.1 24.3 24.3 24.3 25.9 4.5 25.9 4.5 26.9 27.9	2.8 28.4 28.4 21.1 1.8 34.5 1.9 23.3 4.5 2.1 36.0 23.9 2.2 41.3 36.0 23.9 2.2 41.3 4.7 4.7	70 5.6 6.2 36.9 70 70 6.8 70 6.8 70 6.8 70 6.8 70 6.8 70 6.8 70 6.8 70 6.8 70 6.8 70 6.8 70 6.8 70 6.8 70 70 70 70 70 70 70 70 70 70	9.5 30.3 22.1 1.6 35.7 18.5 35.7 18.5 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 42.0 42.0 17.7 35.9 2.2 2.0 4.8	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 40.4 13.4 2.4 40.4 13.4 2.4 40.4 13.4 2.4 40.4 13.4 2.7 2.9 4.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 25.0 80 5.6 5.4 35.3 23.8 23.8 23.8 41.1 14.8 37.5 2.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.5 37.8 2.2 30.5 5.0	2.5 25.0 19.5 2.2 32.4 111.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9 5.0	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 2.1 29.8 5.1 85 5.6 5.3 34.3 23.4 2.4 40.5 13.7 38.1 2.2 30.6 5.1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 23.6 23.6 23.6 23.6 23.6 23.6 23.6	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 38.2 2.2 30.7 5.1	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 30.7 2.2 31.4 5.3	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 2.4 40.3 38.6 2.2 31.1 5.1	2.4 21.6 17.9 2.6 30.3 8.4 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7 3.6	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 4.9 30.6 4.9 30.6 21.9 2.8 38.4 10.4 Ope 100 6.8 9.0 33.5 24.3 3.3	7.9 23.7 18.8 2.3 31.6 10.3 restion Not 7.5 9.3 31.4 22.2 2.7 36.9 11.0 eration Not	2.3 19.4 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.3 36.7 7.3 Recommer 4.5 4.3 29.4 23.0 4.0	4.5 4.0 20.7 17.6 2.7 29.9 7.6 4.7 27.5 20.1 3.1 38.3 4.6 4.8 3.8 30.8 23.4 3.8	
eating HPW30 Wate Cooling Heating MPW36 Wate	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM Total Sensible Power (KW) Heat Extraction COP EWT GPM Total Sensible Power (KW) Heat Rejection COP	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2 4.2 37.3 24.2 2.0 42.0 17.8 31.0 2.1 23.8 4.3 4.5 5.2 4.2	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 4 5.6 6.4 37.9 24.3 2.1 19.1 32.3 2.1 4.5 60 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5 7.5 12.1 38.1 24.3 1.8 42.1 1.9 22.3 4.5	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5 23.3 4.5 23.3 4.5 24.3 36.0 23.9 4.3 4.5 2.2 41.3 4.5 2.2 41.3 4.5 2.7 2.7 34.0 2.7 34.0 2.7 34.0 2.7 34.0 34.0 34.0 34.0 34.0 34.0 34.0 34.0	4.5 4.8 29.6 21.8 1.7 35.4 1.7.5 31.6 2.0 24.9 4.7 70 5.6 6.2 36.9 24.2 24.0 41.8 17.5 35.3 22.0 41.8 17.5 36.9 24.9 4.7	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 2.5 4.9	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 40.4 13.4 36.6 2.2 4.9 4.5 4.7 37.3 26.0 2.9 47.0	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0 80 5.6 5.4 35.3 23.8 23.8 23.8 23.8 41.1 14.8 37.5 2.2 2.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 22.5 39.7 12.4 37.3 2.2 29.9 5.0	4,5 4,4 26,5 20,2 2,0 33,3 36,9 2,1 39,8 5,1 85 5,6 5,3 34,3 23,4 40,5 13,7 38,1 2,2 8,5 10,0 37,7 26,1 26,8 10,0 37,7 26,1 26,8 47,1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.4 40.7 14.4 38.3 2.2 30.8 5.1	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.7 39.0 11.3 38.2 2.7 39.0 11.3 38.2 2.7 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 2.2 31.4 5.3 23.0 2.5 32.3 23.0 2.5 32.3 23.0 2.5 33.3 23.0 2.5 39.9 12.6 39.9 39.9 39.9 39.9 39.9 39.9 39.9 39	8.6 26.1 20.0 20.0 20.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 38.6 2.2 44.0 31.3 38.6 2.2 37.1 5.1	2.4 21.6 17.9 2.6 30.3 8.4 1.6 28.9 20.9 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	4.5 4.1 23.0 18.6 2.4 31.1 9.6 100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Ope 100 6.8 9.0 33.5 24.3 3.3 44.8	7.9 23.7 18.8 2.3 31.6 10.3 4.6 10.3 7.5 9.3 31.4 22.2 2.7 38.9 11.0 9.0 15.1 34.3 24.6 3.2 45.3	2.3 19.4 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.9 35.7 7.3 Recommer	4.5 4.0 20.7 17.6 2.7 29.9 7.6 110 5.6 4.7 27.5 20.1 3.1 36.7 8.3	
Cooling Heating Wate Cooling Heating HPW36	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Sensible Power (KW) Heat Extraction COP	2.9 2.9 2.2.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2 2.1 37.3 24.2 2.0 17.8 31.0 2.1 23.8 4.3 4.3 4.5 5.2 4.21 23.8 4.3	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 60 6.4 37.3 4.9 42.1 19.1 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 24.5 60 6.4 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4	9.8 31.7 22.8 1.5 36.7 21.6 22.3 4.5 22.3 4.5 7.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 2.1 25.9 4.5	2.8 2.8 2.8 2.1 1.8 34.5 1.9 23.3 4.5 23.3 4.5 23.9 2.1 36.0 23.9 2.2 4.3 26.7 4.7 4.7	70 5.6 6.2 24.9 4.7 70 70 70 70 70 70 70 70 70 7	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 17.7 35.9 2.2 2.0 17.7 4.9 4.9 17.5 4.9	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 33.8 1.7 34.1 23.4 40.4 13.4 36.6 2.2 29.2 4.9 4.5 4.7 37.3 26.0 2.9 4.7	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0 80 5.6 5.4 35.3 23.3 23.3 23.3 23.1 14.8 37.5 2.2 30.0 5.0 6.8 9.7 38.9 28.7 47.9 4	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.3 31.5 5.0 9.0 16.2 39.7 27.0 2.6 48.4 15.3	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.5 39.7 12.4 37.3 2.2 29.9 5.0 4.5 4.6 36.1 25.3 3.0 46.2 12.0	4.5 4.4 26.5 20.2 2.0 33.3 13.3 36.9 2.1 29.8 5.1 85 5.6 5.3 34.3 23.4 40.5 13.7 36.6 5.1 2.2 30.6 5.1 2.2 30.6 5.1 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 23.6 23.6 40.7 40.7 14.4 38.3 5.2 30.8 5.1	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.7 39.0 5.1	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.0 2.5 32.9 12.6 38.9 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.6	8.6 26.1 20.0 2.0 33.0 12.8 33.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 24.4 40.3 36.6 2.2 31.1 5.1	2.4 21.6 17.9 2.6 30.3 8.4 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7 3.6	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 4.9 30.6 4.9 30.6 21.9 2.8 38.4 10.4 Ope 100 6.8 9.0 33.5 24.3 3.3	7.9 23.7 18.8 2.3 31.6 10.3 restion Not 7.5 9.3 31.4 22.2 2.7 36.9 11.0 eration Not	2.3 19.4 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.3 36.7 7.3 Recommer 4.5 4.3 29.4 23.0 4.0	4.5 4.0 20.7 17.6 2.7 29.9 7.6 4.7 27.5 20.1 3.1 38.3 4.6 4.8 3.8 30.8 23.4 3.8	
eating HPW30 Wate Cooling HPW36 I Wate	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM Total Sensible Power (KW) Heat Extraction COP EWT GPM FOR Total Sensible Power (KW) Heat Rejection COP EWT GPM Total Sensible Power (KW) Heat Extraction COP	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2 4.2 37.3 24.2 2.0 42.0 17.8 31.0 23.8 4.3 4.3 4.5 5.2 4.2 2.3 3.5 3.5 3.5 4.2 3.5 4.2 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1 4.5 60 6.8 10.7 43.4 28.8 2.5 50.7 19.7 37.2	9.8 31.7 31.7 32.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5 7.5 12.1 38.1 24.3 1.8 42.1 1.9 25.9 4.5 9.0 17.9 25.9 4.5	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5 3.8 2.1 36.0 23.9 4.5 2.2 41.3 15.7 34.0 2.2 41.3 15.7 4.7	4.5 4.8 29.6 21.8 1.7 35.4 1.7.5 31.6 2.0 24.9 4.7 5.6 6.2 24.9 24.2 2.0 41.8 17.0 35.3 2.2 2.0 4.8	9.5 30.3 32.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.0 42.0 17.7 35.9 2.0 22.0 42.0 17.7 35.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 40.4 13.4 36.6 2.2 29.2 4.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0 5.6 5.4 35.3 23.8 23.8 23.8 41.1 14.8 37.5 2.2 2.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 23.9 23.9 23.9 35.9 23.9 35.9 23.9 36.5 37.8 2.2 41.3 15.5 36.3 37.8 2.1 46.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2	2.5 25.0 19.5 2.2 32.4 11.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 22.9 39.7 12.4 37.3 2.2 29.9 5.0	4,5 4,4 26.5 20.2 2.0 33.3 36.9 2.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 40.7 14.4 38.3 2.2 30.8 5.1	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 38.2 2.7 39.0 11.3 38.2 2.7 39.0 5.1	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 33.3 23.0 2.5 12.0 36.6 5.2 31.0 31.0 5.1	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 38.6 22.3 11.3 5.1	2.4 21.6 17.9 2.6 30.3 8.4 1.6 28.9 20.9 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	4.5 4.1 23.0 18.6 2.4 31.1 9.6 100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Ope 100 6.8 9.0 33.5 24.3 3.3 44.8	7.9 23.7 18.8 2.3 31.6 10.3 4.6 10.3 7.5 9.3 31.4 22.2 2.7 38.9 11.0 9.0 15.1 34.3 24.6 3.2 45.3	2.3 19.4 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.9 35.7 7.3 Recommer	4.5 4.0 20.7 17.6 2.7 29.9 7.6 110 5.6 4.7 27.5 20.1 3.1 36.7 8.3	
eating HPW30 Wate cooling eating HPW36 I Wate	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM Total Sensible Power (KW) Heat Rejection EER Total Fower (KW) Heat Extraction COP EWT For Total Sensible Power (KW) Heat Extraction COP EWT Total Fower (KW) Heat Extraction COP EWT Total Fower (KW) Heat Extraction COP	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2 2.1 37.3 24.2 2.0 42.0 17.8 31.0 2.1 23.8 4.3 4.5 5.2 4.2 12.8 4.5 5.2 4.5 6.2 4.5 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 4.4 60 6.4 37.9 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 42.1 60 6.4 4.4 4.5 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.6 6.4 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 2.1 25.9 4.5	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5 2.1 36.0 23.9 2.2 41.3 26.7 4.7 26.7 4.7	70 5.6 6.2 24.9 24.9 24.9 24.7 70 70 70 70 70 70 70 70 8.2 2.0 24.9 24.2 2.0 24.9 24.2 2.0 24.9 24.9 24.2 2.0 24.9 24.9 24.9 24.9 24.9 24.9 24.9 24.9	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 17.7 35.9 4.9 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 40.4 13.4 36.6 2.2 29.2 4.9 4.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0 80 5.6 5.4 35.3 23.8 23.8 23.8 23.8 23.8 23.0 41.1 14.8 37.5 2.2 30.0 6.8 9.7 38.9	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	2.5 25.0 19.5 2.2 32.4 111.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.5 39.7 12.4 37.3 2.2 29.9 5.0 4.5 4.6 36.1 25.3 3.0 46.2 25.3 3.0 46.1 25.3 25.0 46.1 46.1 46.1 46.1 46.1 46.1 46.1 46.1	4.5 4.4 4.5 4.6 26.5 20.2 2.0 33.3 36.9 2.1 3.3 36.9 5.1 85 5.6 5.3 34.3 23.4 2.4 40.5 13.7 38.7 38.7 38.7 38.7 38.7 38.7 38.7 3	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 38.8 1.6 31.8 22.3 2.7 39.0 11.3 36.2 2.7 39.0 11.3 36.5 2.7 39.0 11.3 36.5 2.7 39.0 11.3 36.5 31.7 5.1	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 12.0 90 5.6 5.2 33.3 23.0 2.5 5.2 33.9 91.6 90 12.6 12.0 12.0 13.4 14.0 15.0 16.0	8.6 26.1 20.0 2.0 33.0 12.8 33.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 24.4 43.3 38.6 2.2 31.1 5.1 5.1	2.4 21.6 17.9 2.6 30.3 8.4 1.6 28.9 20.9 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	4.5 4.1 23.0 18.6 2.4 31.1 9.6 100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Ope 100 6.8 9.0 33.5 24.3 3.3 44.8	7.9 23.7 18.8 2.3 31.6 10.3 4.6 10.3 7.5 9.3 31.4 22.2 2.7 38.9 11.0 9.0 15.1 34.3 24.6 3.2 45.3	2.3 19.4 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.9 35.7 7.3 Recommer	4.5 4.0 20.7 17.6 2.7 29.9 7.6 110 5.6 4.7 27.5 20.1 3.1 36.7 8.3	
eating HPW30 Wate cooling HPW36 Wate waten	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM FORM FORM FORM FORM FORM FORM FORM FOR	2.9 30.2 22.1 1.6 35.7 18.5 26.4 2.1 37.3 24.2 2.0 42.0 42.1 23.8 4.3 4.3 4.5 5.2 42.1 23.8 4.3	4.5 4.9 31.3 32.6 1.5 36.4 20.5 28.0 1.9 21.6 24.3 21.5 60 6.4 37.9 42.1 19.1 22.1 25.1 4.5 60 6.8 10.7 43.4 28.8 2.5 5.6 6.8 10.7 43.4 28.8 2.5 5.7 19.7 27.6 28.9 29.9 20.9	9.8 9.8 1.5 36.7 21.6 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 24.3 38.1 24.3 38.1 24.3 25.9 4.5 1.9 25.9 4.5 1.9 25.9 4.5 1.9 25.9 4.5 1.9 25.9 26.9 27.9 28.9 29.0 21.9 20.0 20.	2.8 28.4 28.4 21.1 1.8 34.5 1.9 23.3 4.5 23.3 4.5 23.3 4.5 23.9 2.2 41.3 36.0 23.9 2.2 41.3 36.7 4.7	70 6.2 70 70 6.2 70 70 70 70 70 70 70 70 70 70	9.5 30.3 22.1 1.6 35.7 18.5 35.7 18.5 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 42.0 42.0 17.7 35.9 2.2 28.5 4.9 9.0 17.5 42.0 26.2 28.5 4.9 9.0 17.5 42.0 26.2 28.5 4.9 9.0 17.5 42.0 26.2 27.0 28.5 4.9 9.0 17.5 42.0 28.5 4.9 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 48.0 17.5 17.	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 40.4 2.4 40.4 36.6 2.2 29.2 4.9 4.5 4.7 37.3 26.0 2.9 4.7 37.3 26.0 4.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 25.0 80 5.6 5.4 35.3 23.8 23.8 23.8 23.8 23.9 23.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	2.5 25.0 19.5 2.2 32.4 111.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9 2.5 39.7 12.4 37.3 4.6 36.1 25.0 4.5 4.6 36.1 25.3 30.4 45.1 26.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2	4,5 4,4 26.5 20.2 2.0 33.3 36.9 2.1 39.6 5.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 34.3 34.3 23.4 40.5 13.7 36.9 5.1 37.7 26.1 26.8 47.1 13.3 47.0 2.6 38.0 2.6 38.0 38.0 37.7 26.1 26.1 26.1 26.1 26.1 26.1 26.1 26.1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1	2.5 23.9 19.0 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.7 39.0 5.1 4.5 4.6 34.7 24.8 3.4 4.5 4.6 34.7 24.8 3.6 34.7 24.8 3.6 34.7 24.8 34.7 24.8 34.7 34.8 34.7 34.8 34.7 34.8 34.7 34.8 34.7 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 30.9 12.6 38.6 5.1 90 6.8 36.3 25.4 3.0 46.3 12.1 48.7 2.7 39.7	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 24.4 40.3 38.6 2.2 31.1 5.1	2.4 21.6 17.9 2.6 30.3 8.4 1.6 28.9 20.9 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Ope 100 6.8 9.0 33.5 24.3 3.3 44.8 10.0	7.9 23.7 18.8 2.3 31.6 10.3 restion Not 7.5 9.3 31.4 22.2 2.7 36.9 11.0 9.0 15.1 34.3 24.6 3.2 45.3 10.6	2.3 19.1 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.3 36.7 7.3 Recommer 4.5 4.3 29.4 23.0 4.0 4.0 4.3 1.7 3.3	4.5 4.0 20.7 17.6 2.7 29.9 7.6 4.7 27.5 20.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	
eating HPW30 Gooling eating HPW36 Wate	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM Total Sensible Power (KW) Heat Rejection EER Total Fower (KW) Heat Extraction COP EWT For Total Sensible Power (KW) Heat Extraction COP EWT Total Fower (KW) Heat Extraction COP EWT Total Fower (KW) Heat Extraction COP	2.9 30.2 22.1 1.6 35.7 18.5 26.4 1.8 20.2 4.2 2.1 37.3 24.2 2.0 42.0 17.8 31.0 2.1 23.8 4.3 4.5 5.2 4.2 12.8 4.5 5.2 4.5 6.2 4.5 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2	4.5 4.9 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 4.4 60 6.4 37.9 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 42.1 60 6.4 4.4 4.5 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.6 6.4 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7	9.8 31.7 22.8 1.5 36.7 21.6 28.8 1.9 22.3 4.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 2.1 25.9 4.5	2.8 28.4 21.1 1.8 34.5 15.6 29.8 1.9 23.3 4.5 2.1 36.0 23.9 2.2 41.3 26.7 4.7 26.7 4.7	70 5.6 6.2 24.9 24.9 24.9 24.7 70 70 70 70 70 70 70 70 8.2 2.0 24.9 24.2 2.0 24.9 24.2 2.0 24.9 24.9 24.2 2.0 24.9 24.9 24.9 24.9 24.9 24.9 24.9 24.9	9.5 30.3 22.1 1.6 35.7 18.5 32.6 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 17.7 35.9 4.9 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 40.4 13.4 36.6 2.2 29.2 4.9 4.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 5.0 80 5.6 5.4 35.3 23.8 23.8 23.8 23.8 23.8 23.0 41.1 14.8 37.5 2.2 30.0 6.8 9.7 38.9	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	2.5 25.0 19.5 2.2 32.4 111.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.5 39.7 12.4 37.3 2.2 29.9 5.0 4.5 4.6 36.1 25.3 3.0 46.2 25.3 3.0 46.1 25.3 25.0 46.1 46.1 46.1 46.1 46.1 46.1 46.1 46.1	4.5 4.4 4.5 4.6 26.5 20.2 2.0 33.3 36.9 2.1 3.3 36.9 5.1 85 5.6 5.3 34.3 23.4 2.4 40.5 13.7 38.7 38.7 38.7 38.7 38.7 38.7 38.7 3	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1	2.5 23.9 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 38.8 1.6 31.8 22.3 2.7 39.0 11.3 36.2 2.7 39.0 11.3 36.5 2.7 39.0 11.3 36.5 2.7 39.0 11.3 36.5 31.7 5.1	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 12.0 90 5.6 5.2 33.3 23.0 2.5 5.2 33.9 91.6 90 12.6 12.0 12.0 13.4 14.0 15.0 16.0	8.6 26.1 20.0 2.0 33.0 12.8 33.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 24.4 43.3 38.6 2.2 31.1 5.1 5.1	2.4 21.6 17.9 2.6 30.3 8.4 1.6 28.9 20.9 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Ope 100 6.8 9.0 33.5 24.3 3.3 44.8 10.0	7.9 23.7 18.8 2.3 31.6 10.3 restion Not 7.5 9.3 31.4 22.2 2.7 36.9 11.0 9.0 15.1 34.3 24.6 3.2 45.3 10.6	2.3 19.4 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.9 35.7 7.3 Recommer	4.5 4.0 20.7 17.6 2.7 29.9 7.6 4.7 27.5 20.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	
Cooling Heating Wate Cooling Heating MPW36 Gooling Cooling Cooling	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM Total Sensible Power (KW) Heat Extraction COP EWT Total Sensible Power (KW) Heat Rejection EER Total Sensible Power (KW) Heat Extraction COP	2.9 30.2 22.1 1.6 35.7 18.5 26.4 2.1 37.3 24.2 2.0 42.0 42.1 23.8 4.3 4.3 4.5 5.2 42.1 23.8 4.3	4.5 4.9 31.3 32.6 1.5 36.4 20.5 28.0 1.9 21.6 24.3 21.5 60 6.4 37.9 42.1 19.1 22.1 25.1 4.5 60 6.8 10.7 43.4 28.8 2.5 5.6 6.8 10.7 43.4 28.8 2.5 5.7 19.7 27.6 28.9 29.9 20.9	9.8 9.8 1.5 36.7 21.6 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 24.3 38.1 24.3 38.1 24.3 25.9 4.5 1.9 25.9 4.5 1.9 25.9 4.5 1.9 25.9 4.5 1.9 25.9 26.9 27.9 28.9 29.0 21.9 20.0 20.	2.8 28.4 28.4 21.1 1.8 34.5 1.9 23.3 4.5 23.3 4.5 23.3 4.5 23.9 2.2 41.3 36.0 23.9 2.2 41.3 36.7 4.7	70 6.2 70 70 6.2 70 70 70 70 70 70 70 70 70 70	9.5 30.3 22.1 1.6 35.7 18.5 35.7 18.5 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 42.0 42.0 17.7 35.9 2.2 28.5 4.9 9.0 17.5 42.0 26.2 28.5 4.9 9.0 17.5 42.0 26.2 28.5 4.9 9.0 17.5 42.0 26.2 27.0 28.5 4.9 9.0 17.5 42.0 28.5 4.9 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 48.0 17.5 17.	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 40.4 2.4 40.4 36.6 2.2 29.2 4.9 4.5 4.7 37.3 26.0 2.9 4.7 37.3 26.0 4.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 25.0 80 5.6 5.4 35.3 23.8 23.8 23.8 23.8 23.9 23.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	2.5 25.0 19.5 2.2 32.4 111.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9 2.5 39.7 12.4 37.3 4.6 36.1 25.0 4.5 4.6 36.1 25.3 30.4 45.1 26.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2	4,5 4,4 26.5 20.2 2.0 33.3 36.9 2.1 39.6 5.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 34.3 34.3 23.4 40.5 13.7 36.9 5.1 37.7 26.1 26.8 47.1 13.3 47.0 2.6 38.0 2.6 38.0 38.0 37.7 26.1 26.1 26.1 26.1 26.1 26.1 26.1 26.1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1	2.5 23.9 19.0 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.7 39.0 5.1 4.5 4.6 34.7 24.8 3.4 4.5 4.6 34.7 24.8 3.6 34.7 24.8 3.6 34.7 24.8 34.7 24.8 34.7 34.8 34.7 34.8 34.7 34.8 34.7 34.8 34.7 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 30.9 12.6 38.6 5.1 90 6.8 36.3 25.4 3.0 46.3 12.1 48.7 2.7 39.7	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 24.4 40.3 38.6 2.2 31.1 5.1	2.4 21.6 17.9 2.6 30.3 8.4 1.6 28.9 20.9 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Ope 100 6.8 9.0 33.5 24.3 3.3 44.8 10.0	7.9 23.7 18.8 2.3 31.6 10.3 restion Not 7.5 9.3 31.4 22.2 2.7 36.9 11.0 9.0 15.1 34.3 24.6 3.2 45.3 10.6	2.3 19.1 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.3 36.7 7.3 Recommer 4.5 4.3 29.4 23.0 4.0 4.0 4.3 1.7 3.3	4.5 4.0 20.7 17.6 2.7 29.9 7.6 4.7 27.5 20.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	
Cooling Heating Cooling Heating Heating Cooling Cooling Cooling Cooling	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Rejection COP EWT GPM For Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP	2.9 30.2 22.1 1.6 35.7 18.5 26.4 2.1 37.3 24.2 2.0 42.0 42.1 23.8 4.3 4.3 4.5 5.2 42.1 23.8 4.3	4.5 4.9 31.3 32.6 1.5 36.4 20.5 28.0 1.9 21.6 24.3 21.6 60 6.4 37.9 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 24.5 60 6.8 10.7 4.4 4.5 60 6.8 10.7 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9	9.8 9.8 1.5 36.7 21.6 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 24.3 38.1 24.3 38.1 24.3 25.9 4.5 1.9 25.9 4.5 1.9 25.9 4.5 1.9 25.9 4.5 1.9 25.9 26.9 27.9 28.9 29.0 21.9 20.0 20.	2.8 28.4 28.4 21.1 1.8 34.5 1.9 23.3 4.5 23.3 4.5 23.3 4.5 23.9 2.2 41.3 36.0 23.9 2.2 41.3 36.7 4.7	70 6.2 70 70 6.2 70 70 70 70 70 70 70 70 70 70	9.5 30.3 22.1 1.6 35.7 18.5 35.7 18.5 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 42.0 42.0 17.7 35.9 2.2 28.5 4.9 9.0 17.5 42.0 26.2 28.5 4.9 9.0 17.5 42.0 26.2 28.5 4.9 9.0 17.5 42.0 26.2 27.0 28.5 4.9 9.0 17.5 42.0 28.5 4.9 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 48.0 17.5 17.	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 40.4 2.4 40.4 36.6 2.2 29.2 4.9 4.5 4.7 37.3 26.0 2.9 4.7 37.3 26.0 4.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 25.0 80 5.6 5.4 35.3 23.8 23.8 23.8 23.8 23.9 23.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	2.5 25.0 19.5 2.2 32.4 111.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9 2.5 39.7 12.4 37.3 4.6 36.1 25.0 4.5 4.6 36.1 25.3 30.4 45.1 26.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2	4,5 4,4 26.5 20.2 2.0 33.3 36.9 2.1 39.6 5.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 34.3 34.3 23.4 40.5 13.7 36.9 5.1 37.7 26.1 26.8 47.1 13.3 47.0 2.6 38.0 2.6 38.0 38.0 37.7 26.1 26.1 26.1 26.1 26.1 26.1 26.1 26.1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1	2.5 23.9 19.0 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.7 39.0 5.1 4.5 4.6 34.7 24.8 3.4 4.5 4.6 34.7 24.8 3.6 34.7 24.8 3.6 34.7 24.8 34.7 24.8 34.7 34.8 34.7 34.8 34.7 34.8 34.7 34.8 34.7 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 30.9 12.6 38.6 5.1 90 6.8 36.3 25.4 3.0 46.3 12.1 48.7 2.7 39.7	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 24.4 40.3 38.6 2.2 31.1 5.1	2.4 21.6 17.9 2.6 30.3 8.4 1.6 28.9 20.9 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Ope 100 6.8 9.0 33.5 24.3 3.3 44.8 10.0	7.9 23.7 18.8 2.3 31.6 10.3 restion Not 7.5 9.3 31.4 22.2 2.7 36.9 11.0 9.0 15.1 34.3 24.6 3.2 45.3 10.6	2.3 19.1 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.3 36.7 7.3 Recommer 4.5 4.3 29.4 23.0 4.0 4.0 4.3 1.7 3.3	4.5 4.0 20.7 17.6 2.7 29.9 7.6 4.7 27.5 20.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	
cooling HPW30 Wate Cooling HPW36 Wate Cooling HPW36 Cooling Cooling	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT Total Sensible Power (KW) Heat Extraction EER Total Sensible Power (KW) Heat Extraction COP EWT Total Sensible Power (KW) Heat Extraction COP EWT Total Sensible Power (KW) Heat Extraction COP EWT Total Form Total Sensible Power (KW) Heat Extraction COP Total Sensible Power (KW) Heat Extraction COP	2.9 30.2 22.1 1.6 35.7 18.5 26.4 2.1 37.3 24.2 2.0 42.0 42.1 23.8 4.3 4.3 4.5 5.2 42.1 23.8 4.3	4.5 4.9 31.3 32.6 1.5 36.4 20.5 28.0 1.9 21.6 24.3 21.6 60 6.4 37.9 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 24.5 60 6.8 10.7 4.4 4.5 60 6.8 10.7 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9	9.8 9.8 1.5 36.7 21.6 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 24.3 38.1 24.3 38.1 24.3 25.9 4.5 1.9 25.9 4.5 1.9 25.9 4.5 1.9 25.9 4.5 1.9 25.9 26.9 27.9 28.9 29.0 21.9 20.0 20.	2.8 28.4 28.4 21.1 1.8 34.5 1.9 23.3 4.5 23.3 4.5 23.3 4.5 23.9 2.2 41.3 36.0 23.9 2.2 41.3 36.7 4.7	70 6.2 70 70 6.2 70 70 70 70 70 70 70 70 70 70	9.5 30.3 22.1 1.6 35.7 18.5 35.7 18.5 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 42.0 42.0 17.7 35.9 2.2 28.5 4.9 9.0 17.5 42.0 26.2 28.5 4.9 9.0 17.5 42.0 26.2 28.5 4.9 9.0 17.5 42.0 26.2 27.0 28.5 4.9 9.0 17.5 42.0 28.5 4.9 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 48.0 17.5 17.	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 40.4 2.4 40.4 36.6 2.2 29.2 4.9 4.5 4.7 37.3 26.0 2.9 4.7 37.3 26.0 4.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 25.0 80 5.6 5.4 35.3 23.8 23.8 23.8 23.8 23.9 23.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	2.5 25.0 19.5 2.2 32.4 111.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9 2.5 39.7 12.4 37.3 4.6 36.1 25.0 4.5 4.6 36.1 25.3 30.4 45.1 26.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2	4,5 4,4 26.5 20.2 2.0 33.3 36.9 2.1 39.6 5.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 34.3 34.3 23.4 40.5 13.7 36.9 5.1 37.7 26.1 26.8 47.1 13.3 47.0 2.6 38.0 2.6 38.0 38.0 37.7 26.1 26.1 26.1 26.1 26.1 26.1 26.1 26.1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1	2.5 23.9 19.0 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.7 39.0 5.1 4.5 4.6 34.7 24.8 3.4 4.5 4.6 34.7 24.8 3.6 34.7 24.8 3.6 34.7 24.8 34.7 24.8 34.7 34.8 34.7 34.8 34.7 34.8 34.7 34.8 34.7 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 30.9 12.6 38.6 5.1 90 6.8 36.3 25.4 3.0 46.3 12.1 48.7 2.7 39.7	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 24.4 40.3 38.6 2.2 31.1 5.1	2.4 21.6 17.9 2.6 30.3 8.4 1.6 28.9 20.9 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Ope 100 6.8 9.0 33.5 24.3 3.3 44.8 10.0	7.9 23.7 18.8 2.3 31.6 10.3 restion Not 7.5 9.3 31.4 22.2 2.7 36.9 11.0 9.0 15.1 34.3 24.6 3.2 45.3 10.6	2.3 19.1 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.3 36.7 7.3 Recommer 4.5 4.3 29.4 23.0 4.0 4.0 4.3 1.7 3.3	4.5 4.0 20.7 17.6 2.7 29.9 7.6 4.7 27.5 20.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	
eating HPW30 Gooling eating HPW36 Wate	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Rejection COP EWT GPM For Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP	2.9 30.2 22.1 1.6 35.7 18.5 26.4 2.1 37.3 24.2 2.0 42.0 42.1 23.8 4.3 4.3 4.5 5.2 42.1 23.8 4.3	4.5 4.9 31.3 32.6 1.5 36.4 20.5 28.0 1.9 21.6 24.3 21.6 60 6.4 37.9 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 24.5 60 6.8 10.7 4.4 4.5 60 6.8 10.7 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9	9.8 9.8 1.5 36.7 21.6 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 24.3 38.1 24.3 38.1 24.3 25.9 4.5 1.9 25.9 4.5 1.9 25.9 4.5 1.9 25.9 4.5 1.9 25.9 26.9 27.9 28.9 29.0 21.9 20.0 20.	2.8 28.4 28.4 21.1 1.8 34.5 1.9 23.3 4.5 23.3 4.5 23.3 4.5 23.9 2.2 41.3 36.0 23.9 2.2 41.3 36.7 4.7	70 6.2 70 70 6.2 70 70 70 70 70 70 70 70 70 70	9.5 30.3 22.1 1.6 35.7 18.5 35.7 18.5 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 42.0 42.0 17.7 35.9 2.2 28.5 4.9 9.0 17.5 42.0 26.2 28.5 4.9 9.0 17.5 42.0 26.2 28.5 4.9 9.0 17.5 42.0 26.2 27.0 28.5 4.9 9.0 17.5 42.0 28.5 4.9 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 48.0 17.5 17.	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 40.4 2.4 40.4 36.6 2.2 29.2 4.9 4.5 4.7 37.3 26.0 2.9 4.7 37.3 26.0 4.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 25.0 80 5.6 5.4 35.3 23.8 23.8 23.8 23.8 23.9 23.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	2.5 25.0 19.5 2.2 32.4 111.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9 2.5 39.7 12.4 37.3 4.6 36.1 25.0 4.5 4.6 36.1 25.3 30.4 45.1 26.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2	4,5 4,4 26.5 20.2 2.0 33.3 36.9 2.1 39.6 5.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 34.3 34.3 23.4 40.5 13.7 36.9 5.1 37.7 26.1 26.8 47.1 13.3 47.0 2.6 38.0 2.6 38.0 38.0 37.7 26.1 26.1 26.1 26.1 26.1 26.1 26.1 26.1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1	2.5 23.9 19.0 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.7 39.0 5.1 4.5 4.6 34.7 24.8 3.4 4.5 4.6 34.7 24.8 3.6 34.7 24.8 3.6 34.7 24.8 34.7 24.8 34.7 34.8 34.7 34.8 34.7 34.8 34.7 34.8 34.7 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 30.9 12.6 38.6 5.1 90 6.8 36.3 25.4 3.0 46.3 12.1 48.7 2.7 39.7	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 24.4 40.3 38.6 2.2 31.1 5.1	2.4 21.6 17.9 2.6 30.3 8.4 1.6 28.9 20.9 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Ope 100 6.8 9.0 33.5 24.3 3.3 44.8 10.0	7.9 23.7 18.8 2.3 31.6 10.3 restion Not 7.5 9.3 31.4 22.2 2.7 36.9 11.0 9.0 15.1 34.3 24.6 3.2 45.3 10.6	2.3 19.1 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.3 36.7 7.3 Recommer 4.5 4.3 29.4 23.0 4.0 4.0 4.3 1.7 3.3	4.5 4.0 20.7 17.6 2.7 29.9 7.6 4.7 27.5 20.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	
eating HPW30 Wate cooling eating HPW36 Wate Coefficier Energy E Entering Gallons IP	er dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP EWT GPM Erd Total Sensible Power (KW) Heat Extraction EER Total Power (KW) Heat Extraction EER Total Power (KW) Heat Extraction EER Total Power (KW) Heat Extraction COP EWT Total Power (KW) Heat Extraction EER Total Power (KW) Heat Extraction ECOP Total Sensible Power (KW) Heat Extraction ECOP Total Sensible Power (KW) Heat Extraction EER Total Total Sensible Power (KW) Heat Extraction EER Total Total Sensible Power (KW) Heat Extraction EER Total Very (KW) Heat Extraction EER Total EER Total Very (KW) Heat Extraction EER Total EER EER EER Total EER EER EER EER EER EER EER EER EER EE	2.9 30.2 22.1 1.6 35.7 18.5 20.2 4.2 2.0 4.2 2.0 4.2 2.0 4.2 2.0 4.2 2.0 4.3 37.3 24.2 2.0 4.3 37.3 24.2 2.0 4.3 37.3 24.2 2.0 4.3 37.3 24.2 2.0 4.3 37.3 24.2 2.0 4.3 37.3 24.2 2.0 4.3 37.3 24.2 2.0 4.3 37.3 24.2 2.0 4.3 37.3 24.2 2.0 4.3 37.3 24.2 4.3 37.3 4.3 37.3 4.3 37.3 4.3 37.3 4.3 37.3 4.3 37.3 4.3 37.3 4.3 37.3 37	4.5 4.9 31.3 31.3 22.6 1.5 36.4 20.5 28.0 1.9 21.6 4.4 60 6.4 32.3 2.1 1.9 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 24.3 1.9 25.6 6.4 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4	9.8 9.8 1.5 36.7 21.6 36.7 21.6 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 22.3 4.5 1.9 24.3 38.1 24.3 24.3 25.9 4.5 1.9 25.9 4.5 25.9 4.5 26.9 27.9 28.9	2.8 28.4 28.4 21.1 1.8 34.5 1.9 23.3 4.5 29.8 1.9 23.3 4.5 23.9 2.2 41.3 36.0 23.9 2.2 41.3 36.0 23.9 2.2 41.3 36.0 23.9 2.2 41.3 39.8 27.2 4.7 4.5 5.1 39.8 27.6 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5	70 5.6 6.2 21.9 1.7 35.4 1.7.5 31.6 2.0 4.7 70 5.6 6.2 36.9 24.2 2.0 4.17 70 6.8 10.7 20.0 4.8 10.5 4.8 10.5 4.8 10.5 4.8 10.5 4.8 10.5 4.8 10.5 4.8 10.5 4.8 10.5	9.5 30.3 22.1 1.6 35.7 18.5 35.7 18.5 2.0 25.9 4.8 7.5 11.7 37.3 24.2 2.0 42.0 42.0 17.7 35.9 2.2 28.5 4.9 9.0 17.5 42.0 26.2 28.5 4.9 9.0 17.5 42.0 26.2 28.5 4.9 9.0 17.5 42.0 26.2 27.0 28.5 4.9 9.0 17.5 42.0 28.5 4.9 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 42.0 28.5 48.0 9.0 17.5 48.0 17.5 17.	2.6 28.2 20.1 2.0 33.1 12.9 33.2 2.0 26.4 4.9 3.8 1.7 34.1 23.4 40.4 2.4 40.4 36.6 2.2 29.2 4.9 4.5 4.7 37.3 26.0 2.9 4.7 37.3 26.0 4.9	4.5 4.5 27.7 20.8 1.9 34.0 14.6 35.2 2.1 28.2 25.0 80 5.6 5.4 35.3 23.8 23.8 23.8 23.8 23.9 23.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	8.8 28.4 21.1 1.8 34.5 15.5 36.3 2.1 29.3 5.1 7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	2.5 25.0 19.5 2.2 32.4 111.7 34.9 2.1 27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9 2.5 39.7 12.4 37.3 4.6 36.1 25.0 4.5 4.6 36.1 25.3 30.4 45.1 26.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2	4,5 4,4 26.5 20.2 2.0 33.3 36.9 2.1 39.6 5.1 29.8 5.1 29.8 5.1 29.8 5.1 29.8 5.1 34.3 34.3 23.4 40.5 13.7 36.9 5.1 37.7 26.1 26.8 47.1 13.3 47.0 2.6 38.0 2.6 38.0 38.0 37.7 26.1 26.1 26.1 26.1 26.1 26.1 26.1 26.1	8.7 27.2 20.6 1.9 33.8 14.2 38.1 2.1 30.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1	2.5 23.9 19.0 19.0 2.3 31.7 10.5 36.5 2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.7 39.0 5.1 4.5 4.6 34.7 24.8 3.4 4.5 4.6 34.7 24.8 3.6 34.7 24.8 3.6 34.7 24.8 34.7 24.8 34.7 34.8 34.7 34.8 34.7 34.8 34.7 34.8 34.7 34.8 34.8 34.8 34.8 34.8 34.8 34.8 34.8	4.5 4.3 25.4 19.6 2.1 32.5 12.0 38.7 2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 30.9 12.6 38.6 5.1 90 6.8 36.3 25.4 3.0 46.3 12.1 48.7 2.7 39.7	8.6 26.1 20.0 2.0 33.0 12.8 39.9 2.2 32.5 5.4 7.5 9.7 34.0 23.3 24.4 40.3 38.6 2.2 31.1 5.1	2.4 21.6 17.9 2.6 30.3 8.4 1.6 28.9 20.9 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	4.5 4.1 23.0 18.6 2.4 31.1 9.6 Ope 100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Ope 100 6.8 9.0 33.5 24.3 3.3 44.8 10.0	7.9 23.7 18.8 2.3 31.6 10.3 restion Not 7.5 9.3 31.4 22.2 2.7 36.9 11.0 9.0 15.1 34.3 24.6 3.2 45.3 10.6	2.3 19.1 17.1 2.9 29.4 6.7 Recommer 3.8 1.6 25.7 19.0 3.3 36.7 7.3 Recommer 4.5 4.3 29.4 23.0 4.0 4.0 4.3 1.7 3.3	4.5 4.0 20.7 17.6 2.7 29.9 7.6 4.7 27.5 20.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	

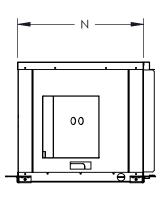


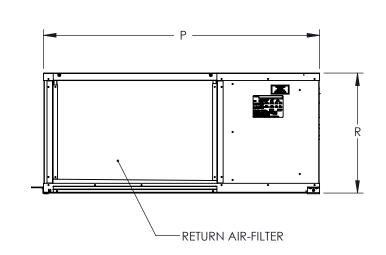
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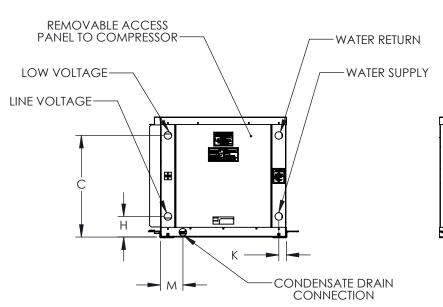
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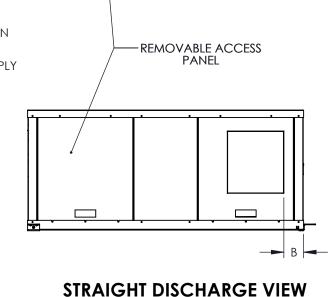
UNIT SIZE	09,12	15,19	24, 30	36, 42	48,60,70
OVERALL UNIT DIMENSIONS	20"Wx34"Lx11.50"H	20"Wx42"Lx17"H	20"Wx42"Lx18 1/4"H	21"Wx46"Lx20"H	28"Wx52"Lx23"H
WATER CONNECTIONS, FPT	1/2	1/2	3/4	3/4	3/4
CONDENSATE CONNECTION, FPT	3/4	3/4	3/4	3/4	3/4











END DISCHARGE VIEW

DIMENSIONAL DATA (IN INCHES)

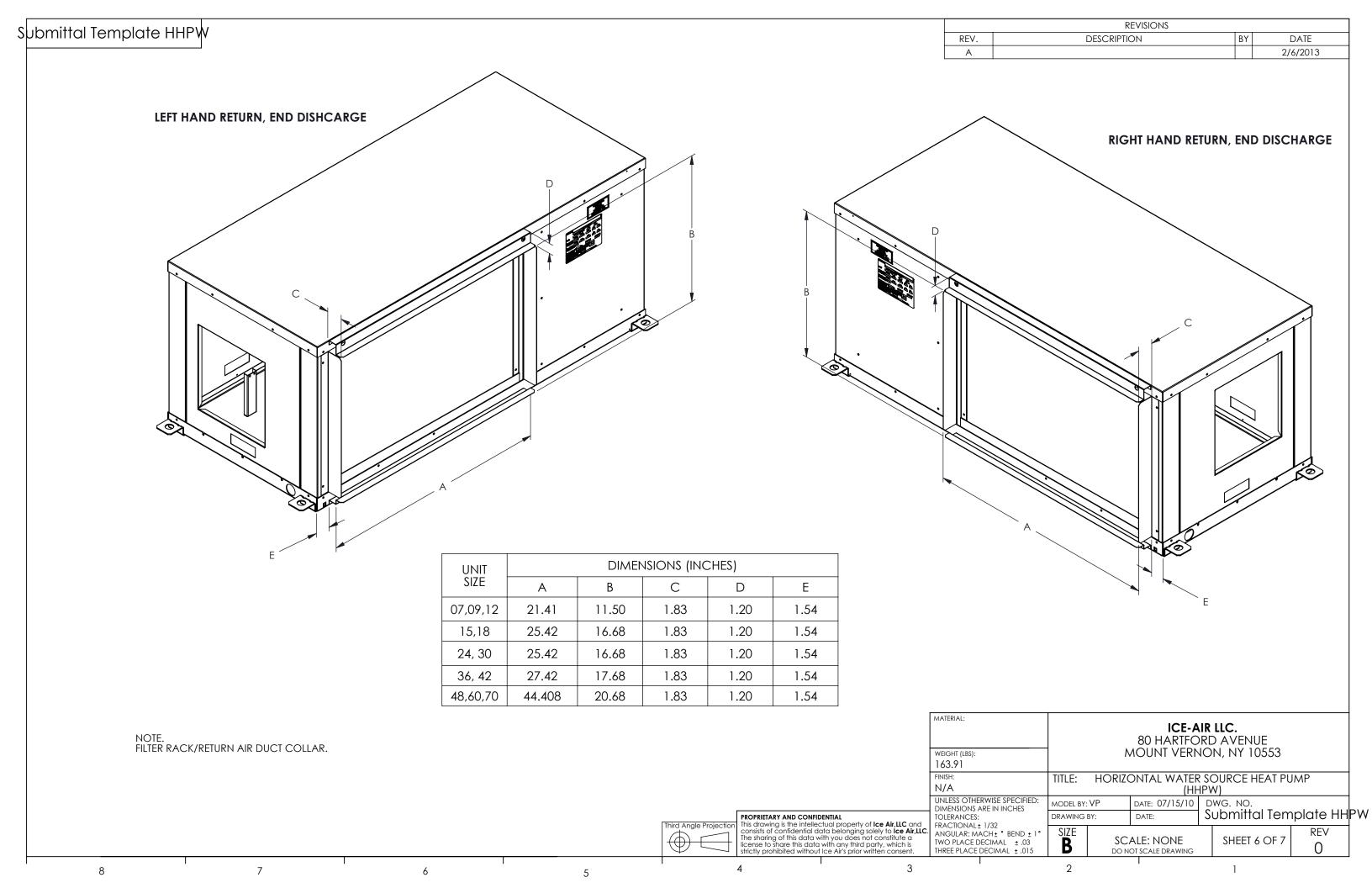
UNIT SIZE	DIMENSIONS															
	Α	В	С	D	E	F	G	Н	J	K	L	M	N	P	R	T
09,12	9.6	2.9	8.5	3.7	4.8	1.8	5.0	3.5	22	1.3	34	3.8	20	34	11.5	17.5
15,19	9.3	3.0	14.0	3.3	7.0	7.0	2.0	3.5	22	1.3	42	3.8	20	42	17	17.5
24,30	9.3	3.0	15.2	4.0	7.0	8.9	2.3	3.5	22	1.3	42	3.8	20	42	18.25	17.5
36,42	9.3	3.3	17.0	4.3	10.3	6.2	4.0	3.5	23	1.3	46	3.8	21	46	21	18.5
48,60,70	14.7	4.9	20.0	5.8	13.5	8.0	2.0	3.5	30	1.3	52	3.8	28	52	23	25.5

- RIGHT AND LEFT HAND RETURN DETERMINED BY FACING THE WATER CONNECTION SIDE OF THE UNIT.
- BLOWER HOUSING ASSEMBLY CONVERTS FROM STRAIGHT DISCHARGE TO END DISCHARGE.
- DIMENSIONS ARE APPROXIMATE.
- LEFT HAND RETURN SHOWN. RIGHT HAND RETURN OPTIONAL.

MATERIAL: ICE-AIR LLC. 80 HARTFORD AVENUE MOUNT VERNON, NY 10553 WEIGHT (LBS): 163.91 HORIZONTAL WATER SOURCE HEAT PUMP (HHPW) FINISH: TITLE: N/A UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES MODEL BY: VP DATE: 07/15/10 Submittal Template HHPW DATE: DRAWING BY: TOLERANCES: FRACTIONAL ± 1/32 SIZE **B** ANGULAR: MACH± ° BEND ± 1°
TWO PLACE DECIMAL ± .03
THREE PLACE DECIMAL ± .015 SHEET 5 OF 7 SCALE: NONE DO NOT SCALE DRAWING

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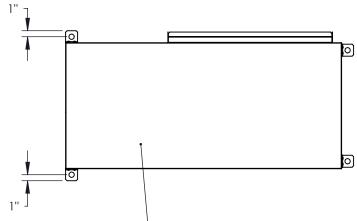
2

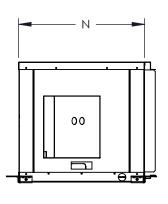


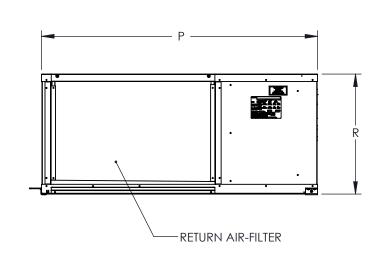
DIMENSIONAL DATA: END AND STRAIGHT DISCHARGE

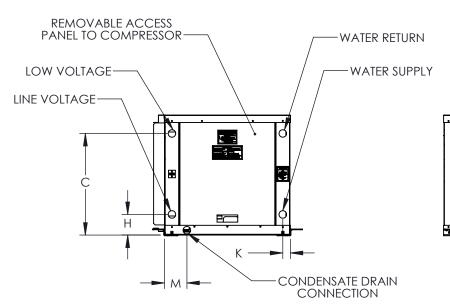
PHYSICAL DATE

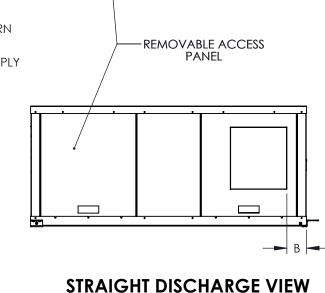
UNIT SIZE	07,09,12	15,18	24, 30	36, 42	48,60,70		
OVERALL UNIT DIMENSIONS	20"Wx34"Lx14"H	20"Wx42"Lx17"H	20"Wx42"Lx18 1/4"H	21"Wx46"Lx20"H	28"Wx52"Lx23"H		
WATER CONNECTIONS, FPT	1/2	1/2	3/4	3/4	3/4		
CONDENSATE CONNECTION, FPT	3/4	3/4	3/4	3/4	3/4		











END DISCHARGE VIEW

DIMENSIONAL DATA (IN INCHES)

UNIT SIZE	DIMENSIONS															
	Α	В	С	D	E	F	G	Н	J	K	L	M	N	P	R	T
07,09,12	9.6	2.9	11.0	3.7	4.8	1.8	5.0	3.5	22	1.3	34	3.8	20	34	14.0	17.5
15,18	9.3	3.0	14.0	4.0	7.0	7.9	2.0	3.5	22	1.3	42	3.8	20	42	17	17.5
24,30	9.3	3.0	15.2	4.0	7.0	8.9	2.3	3.5	22	1.3	42	3.8	20	42	18.25	17.5
36,42	9.3	3.3	17.0	4.3	10.3	6.2	4.0	3.5	23	1.3	46	3.8	21	46	21	18.5
48,60,70	14.7	4.9	20.0	5.8	13.5	8.0	2.0	3.5	30	1.3	52	3.8	28	52	23	25.5

- RIGHT AND LEFT HAND RETURN DETERMINED BY FACING THE WATER CONNECTION SIDE OF THE UNIT.
- BLOWER HOUSING ASSEMBLY CONVERTS FROM STRAIGHT DISCHARGE TO END DISCHARGE.
- DIMENSIONS ARE APPROXIMATE.
- LEFT HAND RETURN SHOWN. RIGHT HAND RETURN OPTIONAL.

MATERIAL: ICE-AIR LLC. 80 HARTFORD AVENUE MOUNT VERNON, NY 10553 WEIGHT (LBS): 163.91 HORIZONTAL WATER SOURCE HEAT PUMP (HHPW) FINISH: TITLE: N/A UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES MODEL BY: VP DATE: 07/15/10 Submittal Template HHPW DATE: DRAWING BY: TOLERANCES: FRACTIONAL ± 1/32 SIZE **B** ANGULAR: MACH± ° BEND ± 1°
TWO PLACE DECIMAL ± .03
THREE PLACE DECIMAL ± .015 SHEET 7 OF 7 SCALE: NONE DO NOT SCALE DRAWING

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