

VERTICAL STACK WATER SOURCE HEAT PUMP (VSHPW) CERTIFIED DRAWING

DWG. NO. SUBMITTAL TEMPLATE VSHPW

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

DESIGNATION	MODEL NUMBER	QTY
TOTAL		

UNIT SPECIFICATIONS+

PERFORMACE DATA

Ì	MODEL	8VSHPW09	8VSHPWI2	8VSHPWI5	8VSHPWI8	8VSHPW24	8VSHPW30	8VSHPW36
	COOLING CAPACITY*	9,100	12,500	13,900	18,100	25,400	31,200	36,500
	COOLING EER	13.0	13.0	13.1	13.0	13.3	13.0	13.0
	SENSIBLE CAPACITY	6552	9000	10008	13032	18288	22464	26280
	HEATING CAPACITY**	12,500	15,100	18,100	24,300	31,300	35,400	40,700
Ш	HEATING COP	4.5	4.5	4.6	4.5	4.5	4.5	4.4
TAB	TYPICAL CFM	400	450	550	680	800	1050	1250

- * BTUH @ 80.6°F DB, 66.2°F WB EAT; 86°F EWT @ 2 GPM ** BTUH @ 68°F DB, 59°F WB EAT; 68°F EWT

PHYSICAL DATA

MODEL	8VSHPW09	8VSHPW12	8VSHPWI5	8VSHPW18	8VSHPW24	8VSHPW30	8VSHPW36				
COMPRESSOR TYPE (I EA)		ROT.	ARY		SCROLL						
REFRIGERANT	R410A										
REFRIGERANT FACTORY CHARGE (oz)	28.1	30.2	32.1	38.2	41.3	70.1	73.1				
FAN MOTOR (W)	35	35	35	150	150	200	200				
BLOWER WHEEL SIZE (DIAMETERXWIDTH) (IN)	7X7	7X7	7X7	7X7	7X7	8X8	8X8				
HOSES (IN)	1/2	1/2	1/2	3/4	3/4	3/4	3/4				
AIR COIL DIMENSION (IN)	18X12	22.5XI2	28XI2	23XI4	26XI8	26XI8	30XI8				
STANDARD FILTER-I/2"	28XI2	28XI2	28XI2	30XI4	30XI8	30XI8	30XI8				
AC CHASSIS WEIGHT (LB)	117	122	126	135	138	160	165				
CABINET WEIGHT (LB)	154	156	158	154	167	260	264				

FOR OVERALL UNIT DIMENSIONS PLEASE REFER TO DRAWING APA-9088

TYPICAL WATER SIDE DATA

	MODEL	8VSHPW09	8VSHPWI2	8VSHPWI5	8VSHPWI8	8VSHPW24	8VSHPW30	8VSHPW36
	FLOW RATE (GPM)	1.5	2.0	2.3	3.0	4.0	5.0	6.0
	WATER CONNECTION SIZE (IN)	1/2	1/2	1/2	3/4	3/4	3/4	3/4
TABLE 3	CONDENSATE CONNECTION SIZE (IN)				1/2			

- 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
- 6: PROVIDE INTEGRAL TRAPPED CONDENSATE LINE RUN OUT

OPTIONAL

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



VERTICAL STACKWATER SOURCE HEAT PUMP (VHPW) CERTIFIED DRAWING

SUBMITTAL TEMPLATE VSHPW

PROJECT	PROJECT	DATE		BY		REVISIONS
PURCHASER	Purchaser	P.O. #	QTY	DATE	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
Ī	8VSHPW09	208-230/60-1	3.9	18	0.5	4.4	5.4	15
Ī	8VSHPWI2	208-230/60-1	5.2	25	0.7	5.9	7.2	15
Ī	8VSHPWI5	208/230/60-2	5.8	30	1.0	6.8	8.3	15
Ī	8VSHPWI8	208/230/60-1	7.7	32	1.2	8.9	10.8	20
_ [8VSHPW24	208-230/60-1	13.5	58	1.8	15.3	18.7	30
EL L	8VSHPW30	208/230/60-1	14.3	64	2.2	16.5	20.1	30
AE	8VSHPW36	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 FACTORS	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
S		HEATING CAPACITY	0.94	0.95	0.96	0.97	0.98	0.99	1.00	1.01
TABLE	HEATING FACTORS	POWER	1.08	1.06	1.05	1.04	1.02	1.01	1.00	0.99
ĕĹ		HEAT EXTRACTION	0.93	0.95	0.96	0.97	0.98	0.99	1.00	1.01

AIR TEMPERATURE CORRECTION TABLE

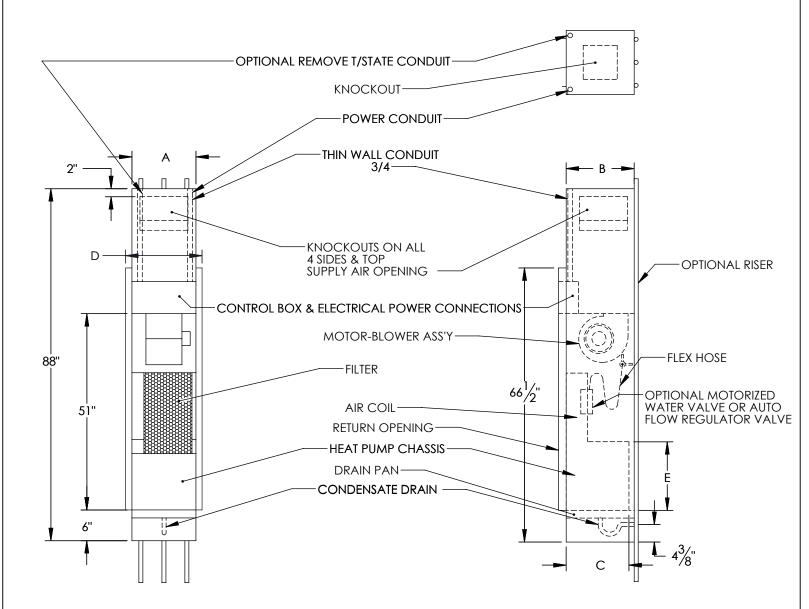
				HEA	TING				
	EAT DB (°F)	45	50	55	60	65	70	75	80
	HEATING CAPACITY FACTOR	1.11	1.09	1.06	1.04	1.02	1.00	0.98	0.95
0	POWER FACTOR	0.77	0.81	0.86	0.91	0.95	1.00	1.05	1.10
ABLE	HEAT EXTRACTION FACTOR	1.18	1.14	1.11	1.07	1.04	1.00	0.96	0.92

		COOL	ING			
EAT	WB (°F)	60	65	67	70	75
TOTAL CAR	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 REJE	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

Ice-Air LLC Correction Chart

F)	ble																	46-				
	WT PM	1.1	1.7	2.3	1.1	70 1.7	2.3	1.1	80 1.7	2.3	1.1	85 1.7	2.3	1.1	90 1.7	2.3	1.1	100 1.7	2.3	1.1	1.7	
	rdP(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	10.4	10.9	11.0	9.9	10.3	10.5	9.3	9.7	9.9	8.9	9.4	9.6	8.5	9.0	9.3	7.5	8.2	8.5	6.5	7.1	1
	Sensible	7.2	7.3	7.3	7.1	7.2	7.2	6.8	7.0	7.1	6.7	6.9	7.0	6.5	6.7	6.8	6.0	6.3	6.5	5.4	5.8	
	Power (KW) Heat Rejection	12.5	0.6 12.7	0.5 12.7	0.7 12.2	0.6 12.4	0.6 12.5	0.7 11.8	0.7 12.1	0.7 12.2	0.8 11.6	0.7 11.9	0.7 12.0	0.8 11.3	0.8 11.7	0.7 11.8	0.9 10.7	0.9 11.1	0.8 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)	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	-					
Heating	Heat Extraction COP	8.0 4.1	8.6 4.4	8.9 4.5	9.2 4.6	9.9 4.8	10.3 4.9	10.4 4.9	11.1 5.2	11.5 5.3	11.0 5.1	11.7 5.4	12.1 5.5	11.5 5.3	12.2 5.5	12.6 5.6	+	0.5	eration Not	Recommo	ended	
nearing	COP	9.1	4.4	4.5	4.0	4.0	4.9	4.9	5.2	5.3	5.1	5.4	5.5	5.3	5.5	5.6		Opi	cration NOT	. Recomme	silued	
/SHPW12		1																				
	WT		60			70			80			85			90			100			110	0
	PM	1.5	2.3	3.0	1.5	2.3	3.0	1.5	2.3	3.0	1.5	2.3	3.0	1.5	2.3	3.0	1.5	2.3	3.0	1.5	2.3	
Water	r dP (Ft) Total	2.8 14.4	6.6 15.0	12.1	2.6 13.6	6.1 14.2	11.5 14.4	2.5 12.5	5.8 13.3	10.9 13.6	2.4 12.0	5.7 12.7	10.7	2.3 11.4	5.6	10.5	2.3 10.3	5.5 11.0	10.3	9.2	5.3	
	Sensible	9.4	9.6	15.3 9.7	8.9	9.3	9.4	8.5	8.8	8.9	8.3	8.6	13.0 8.7	8.1	12.2 8.4	12.5 8.5	7.7	7.9	8.1	7.1	9.8 7.4	
	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	0
	Total	12.8	13.6	14.0	14.3	15.1	15.6	15.8	16.6	17.1	16.4	17.3	17.8	17.1	18.0	18.4	1					
	Power (KW)	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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	ł	0		D		
leating	СОР	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		Ор	eration Not	Recomme	ended	
SHPW15		+																				
	WT	_	60			70			80			85			90			100		1	110	0
	PM	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	
	rdP(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	8
	Total	16.3	17.1	17.5	15.2	16.0	16.3	13.9	14.7	15.1	13.3	14.1	14.5	12.7	13.4	13.8	11.4	12.1	12.5	10.1	10.8	
	Sensible	11.2	11.5	11.7	10.6	11.0	11.2	10.1	10.4	10.6	9.8	10.1	10.3	9.5	9.8	10.0	9.0	9.3	9.4	8.5	8.7	
	Power (KW)	0.9	0.8	0.8	1.0	0.9	0.9	1.1	1.0	1.0	1.2	1.1	1.1	1.2	1.2	1.1	1.3	1.3	1.2	1.5	1.4	
cooling	Heat Rejection EER	19.3	19.9 20.5	20.1	18.5 15.2	19.1 17.1	19.3 18.2	17.7 12.6	18.2 14.2	18.5 15.1	17.2 11.5	17.8 12.9	18.1 13.7	16.8 10.3	17.3 11.6	17.6 12.4	15.9 8.5	16.4 9.5	16.7	15.1 6.9	15.5 7.7	
Journal	Total	14.9	15.8	16.3	16.7	17.7	18.2	12.5	19.6	20.2	19.4	20.6	21.2	20.3	21.5	22.2	0.5	1 5.5	10.1	1 0.9	1 1.7	r
	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	t					
	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					
eating	COP	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	1	Ор	eration Not	Recomme	ended	
SHPW18	SAZT	+				70			80			97			00			100		-	446	
	WT PM	2.3	3.4	4.5	2.3	70	4.5	2.3	3.4	4.5	2.3	85 3.4	4.5	2.3	90 3.4	4.5	2.3	100 3.4	4.5	2.3	110 3.4	
	rdP(Ft)	1.2	3.4	6.8	1.2	3.4	6.3	1.2	3.4	6.0	1.1	2.9	5.7	1.0	2.9	5.6	1.0	2.9	5.4	1.0	2.8	
.74401	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	8
	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	
Cooling	EER	18.1	20.3	21.5	15.2	17.0	18.1	12.6	14.2	15.1	11.5	13.0	13.8	10.5	11.8	12.5	8.6	9.7	10.3	7.1	8.0	0
-	Total	20.4	21.5	22.1	22.8	24.1	24.7	25.2	26.4	27.2	26.2	27.5	28.3	27.3	28.7	29.3	+					
-	Power (KW) Heat Extraction	1.4	1.4 16.8	1.4	1.4	1.4	1.4	1.4 20.2	1.5 21.5	1.5 22.1	1.5 21.3	1.5 22.6	1.5 23.2	1.5 22.4	1.5 23.5	1.5 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	On	eration Not	Recomme	ended	
y		1							2.0				0									
/SHPW24																						
	WT	+	60			70			80			85			90			100		1	110	
	PM - dD 450	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	
Water	r dP (Ft) Total	2.9 30.2	4.9 31.3	9.8 31.7	2.8 28.4	4.8 29.6	9.5	2.6 26.2	4.5 27.7	8.8 28.4	2.5 25.0	4.4 26.5	8.7 27.2	2.5 23.9	4.3 25.4	8.6 26.1	2.4	4.1 23.0	7.9 23.7	2.3 19.4	4.0 20.7	
	Sensible	22.1	22.6	22.8	21.1	21.8	22.1	20.1	20.8	21.1	19.5	20.2	20.6	19.0	19.6	20.0	17.9	18.6	18.8	17.1	17.6	
	Power (KW)	1.6	1.5	1.5	1.8	1.7	1.6	2.0	1.9	1.8	2.2	2.0	1.9	2.3	2.1	2.0	2.6	2.4	2.3	2.9	2.7	
	Heat Rejection	35.7	36.4	36.7	34.5	35.4	35.7	33.1	34.0	34.5	32.4	33.3	33.8	31.7	32.5	33.0	30.3	31.1	31.6	29.4	29.9	
Cooling	EER	18.5	20.5	21.6	15.6	17.5	18.5	12.9	14.6	15.5	11.7	13.3	14.2	10.5	12.0	12.8	8.4	9.6	10.3	6.7		9
	Total	26.4		00.0	29.8	31.6	32.6	33.2	35.2	36.3	34.9	36.9	38.1	36.5							7.6	
	Power (KW)	20.7	28.0	28.8			1 00 1	2.0		2.1					38.7	39.9					7.6	
	Heat Extraction	1.8	1.9	1.9	1.9	2.0	2.0		2.1		2.1	2.1	2.1	2.1	2.2	2.2					7.6	
		1.8 20.2	1.9 21.6	1.9 22.3	1.9 23.3	24.9	25.9	26.4	28.2	29.3	27.9	2.1 29.8	30.9	2.1 29.5	2.2 31.4	2.2 32.5						
leating	СОР	1.8	1.9	1.9	1.9							2.1		2.1	2.2	2.2		Оря	eration Not			
	СОР	1.8 20.2	1.9 21.6	1.9 22.3	1.9 23.3	24.9	25.9	26.4	28.2	29.3	27.9	2.1 29.8	30.9	2.1 29.5	2.2 31.4	2.2 32.5		Ор	eration Not			
Heating (SHPW30 EV		1.8 20.2	1.9 21.6 4.4	1.9 22.3	1.9 23.3	24.9 4.7	25.9	26.4	28.2 5.0	29.3	27.9	2.1 29.8 5.1	30.9	2.1 29.5	2.2 31.4 5.3	2.2 32.5			eration Not		ended	6
SHPW30	COP EWT EPM	1.8 20.2	1.9 21.6	1.9 22.3 4.5	1.9 23.3	24.9	25.9	26.4	28.2	29.3 5.1 7.5	27.9	2.1 29.8	30.9	2.1 29.5	2.2 31.4	2.2 32.5	3.8	Opi 100 5.6	eration Not			0
SHPW30 EV	WT PM r dP (Ft)	1.8 20.2 4.2 3.8 2.1	1.9 21.6 4.4 60 5.6 6.4	1.9 22.3 4.5 7.5 12.1	1.9 23.3 4.5 3.8 2.1	24.9 4.7 70 5.6 6.2	25.9 4.8 7.5 11.7	26.4 4.9 3.8 1.7	28.2 5.0 80 5.6 5.4	29.3 5.1 7.5 10.2	27.9 5.0 3.8 1.6	2.1 29.8 5.1 85 5.6 5.3	30.9 5.2 7.5 9.9	2.1 29.5 5.1 3.8 1.6	2.2 31.4 5.3 90 5.6 5.2	2.2 32.5 5.4 7.5 9.7	3.8 1.6	100 5.6 4.9	7.5 9.3	Recomme 3.8	ended 110 5.6 4.7	0 6 7
SHPW30 EV	WT PM r dP (Ft) Total	1.8 20.2 4.2 4.2 3.8 2.1 37.3	1.9 21.6 4.4 60 5.6 6.4 37.9	7.5 12.1 38.1	1.9 23.3 4.5 3.8 2.1 36.0	70 5.6 6.2 36.9	7.5 11.7 37.3	26.4 4.9 3.8 1.7 34.1	28.2 5.0 80 5.6 5.4 35.3	7.5 10.2 35.9	27.9 5.0 3.8 1.6 32.9	2.1 29.8 5.1 85 5.6 5.3 34.3	7.5 9.9 34.9	2.1 29.5 5.1 3.8 1.6 31.8	2.2 31.4 5.3 90 5.6 5.2 33.3	2.2 32.5 5.4 7.5 9.7 34.0	3.8 1.6 28.9	100 5.6 4.9 30.6	7.5 9.3 31.4	3.8 1.6 25.7	### ##################################	0 6 7
SHPW30 EV	WT PM r dP (Ft) Total Sensible	1.8 20.2 4.2 4.2 3.8 2.1 37.3 24.2	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3	7.5 12.1 38.1 24.3	1.9 23.3 4.5 3.8 2.1 36.0 23.9	24.9 4.7 70 5.6 6.2 36.9 24.2	7.5 11.7 37.3 24.2	3.8 1.7 34.1 23.4	28.2 5.0 80 5.6 5.4 35.3 23.8	7.5 10.2 35.9 23.9	3.8 1.6 32.9 22.9	2.1 29.8 5.1 85 5.6 5.3 34.3 23.4	7.5 9.9 34.9 23.6	2.1 29.5 5.1 3.8 1.6 31.8 22.3	2.2 31.4 5.3 90 5.6 5.2 33.3 23.0	2.2 32.5 5.4 7.5 9.7 34.0 23.3	3.8 1.6 28.9 20.9	100 5.6 4.9 30.6 21.9	7.5 9.3 31.4 22.2	3.8 1.6 25.7	110 5.6 4.7 27.5 20.1	0 6 7 .5
SHPW30 EV	PM r dP (Ft) Total Sensible Power (KW)	3.8 2.1 37.3 24.2 2.0	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9	7.5 12.1 38.1 24.3 1.8	3.8 2.1 36.0 23.9 2.2	70 5.6 6.2 36.9 24.2 2.0	7.5 11.7 37.3 24.2 2.0	3.8 1.7 34.1 23.4 2.4	28.2 5.0 80 5.6 5.4 35.3 23.8 2.3	7.5 10.2 35.9 23.9 2.2	27.9 5.0 3.8 1.6 32.9 22.9 2.5	2.1 29.8 5.1 85 5.6 5.3 34.3 23.4 2.4	7.5 9.9 34.9 23.6 2.3	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7	2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5	7.5 9.7 34.0 23.3 2.4	3.8 1.6 28.9 20.9 3.0	100 5.6 4.9 30.6 21.9 2.8	7.5 9.3 31.4 22.2 2.7	3.8 1.6 25.7 19.0 3.3	110 5.6 4.7 27.5 20.1 3.1	0 6 7 .5
SHPW30 EV GI Water	WT PM r dP (Ft) Total Sensible Power (KW) Heat Rejection	1.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1	7.5 12.1 38.1 24.3 1.8 42.1	3.8 2.1 36.0 23.9 2.2 41.3	70 5.6 6.2 36.9 24.2 2.0 41.8	25.9 4.8 7.5 11.7 37.3 24.2 2.0 42.0	3.8 1.7 34.1 23.4 40.4	28.2 5.0 80 5.6 5.4 35.3 23.8 2.3 41.1	7.5 10.2 35.9 23.9 2.2 41.3	27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7	2.1 29.8 5.1 85 5.6 5.3 34.3 23.4 2.4 40.5	7.5 9.9 34.9 23.6 2.3 40.7	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0	2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 39.9	2.2 32.5 5.4 7.5 9.7 34.0 23.3 2.4 40.3	3.8 1.6 28.9 20.9 3.0 37.4	100 5.6 4.9 30.6 21.9 2.8 38.4	7.5 9.3 31.4 22.2 2.7 38.9	3.8 1.6 25.7 19.0 3.3 35.7	### ##################################	0 6 7 .5 .1
SHPW30 EV	PM r dP (Ft) Total Sensible Power (KW)	3.8 2.1 37.3 24.2 2.0	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9	7.5 12.1 38.1 24.3 1.8	3.8 2.1 36.0 23.9 2.2	70 5.6 6.2 36.9 24.2 2.0	7.5 11.7 37.3 24.2 2.0	3.8 1.7 34.1 23.4 2.4	28.2 5.0 80 5.6 5.4 35.3 23.8 2.3	7.5 10.2 35.9 23.9 2.2	27.9 5.0 3.8 1.6 32.9 22.9 2.5	2.1 29.8 5.1 85 5.6 5.3 34.3 23.4 2.4	7.5 9.9 34.9 23.6 2.3	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7	2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5	7.5 9.7 34.0 23.3 2.4	3.8 1.6 28.9 20.9 3.0	100 5.6 4.9 30.6 21.9 2.8	7.5 9.3 31.4 22.2 2.7	3.8 1.6 25.7 19.0 3.3	110 5.6 4.7 27.5 20.1 3.1	0 6 7 .5 .1
SHPW30 EV GI Water	WT PM r dP (Ft) Total Sensible Power (KW) Heat Rejection EER	1.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 17.8	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1	7.5 12.1 38.1 24.3 1.8 42.1 19.8	1.9 23.3 4.5 3.8 2.1 36.0 23.9 2.2 41.3 15.7	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0	7.5 11.7 37.3 24.2 2.0 42.0 17.7	3.8 1.7 34.1 23.4 2.4 40.4 13.4	28.2 5.0 80 5.6 5.4 35.3 23.8 2.3 41.1 14.8	7.5 10.2 35.9 2.2 41.3 15.5	3.8 1.6 32.9 22.9 2.5 39.7 12.4	2.1 29.8 5.1 85 5.6 5.3 34.3 23.4 2.4 40.5 13.7	7.5 9.9 34.9 23.6 2.3 40.7 14.4	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3	2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 39.9 12.6	7.5 9.7 34.0 23.3 2.4 40.3 13.3	3.8 1.6 28.9 20.9 3.0 37.4	100 5.6 4.9 30.6 21.9 2.8 38.4	7.5 9.3 31.4 22.2 2.7 38.9	3.8 1.6 25.7 19.0 3.3 35.7	### ##################################	0 6 7 .5 .1
SHPW30 EN GI Water	WT PM r dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW)	3.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 17.8 31.0 2.1 23.8	60 5.6 6.4 37.9 24.3 42.1 19.1 32.3 2.1 25.1	7.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 2.1 25.9	3.8 2.1 36.0 23.9 2.2 41.3 15.7 34.0 2.1 2.2 41.3 2.7	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 28.5	3.8 1.7 34.1 23.4 2.4 40.4 13.4 36.6 2.2 29.2	28.2 5.0 80 5.6 5.4 35.3 23.8 2.3 41.1 14.8 37.5 2.2 30.0	7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5	27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9	2.1 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	7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7	2.2 31.4 5.3 90 5.6 5.2 33.3 2.5 39.9 12.6 38.6 2.2 31.0	7.5 9.7 34.0 23.3 2.4 40.3 13.3 38.6 2.2 31.1	3.8 1.6 28.9 20.9 3.0 37.4	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4	7.5 9.3 31.4 22.2 2.7 38.9 11.0	3.8 1.6 25.7 19.0 3.3 36.7 7.3	110 5.6 4.7 27.5 20.1 3.1 36.7 8.3	0 6 7 .5 .1
SHPW30 EN GI Water	WT PM r dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW)	1.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 42.0 17.8 31.0 2.1	1.9 21.6 4.4 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1	7.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 2.1	3.8 2.1 36.0 23.9 2.2 41.3 15.7 34.0 2.1	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2	3.8 1.7 34.1 23.4 2.4 40.4 13.4 36.6 2.2	28.2 5.0 5.6 5.4 35.3 23.8 2.3 41.1 14.8 37.5 2.2	7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2	27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2	2.1 29.8 5.1 85 5.6 5.3 34.3 23.4 2.4 40.5 13.7 2.2	7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 38.2 2.2	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	7.5 9.7 34.0 23.3 2.4 40.3 13.3 38.6 2.2	3.8 1.6 28.9 20.9 3.0 37.4	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4	7.5 9.3 31.4 22.2 2.7 38.9	3.8 1.6 25.7 19.0 3.3 36.7 7.3	110 5.6 4.7 27.5 20.1 3.1 36.7 8.3	0 6 7 .5 .1
SHPW30 EXAMPLE SHPW30 GOOLING	WT PM r dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW)	3.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 17.8 31.0 2.1 23.8	60 5.6 6.4 37.9 24.3 42.1 19.1 32.3 2.1 25.1	7.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 2.1 25.9	3.8 2.1 36.0 23.9 2.2 41.3 15.7 34.0 2.1 2.2 41.3 2.7	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 28.5	3.8 1.7 34.1 23.4 2.4 40.4 13.4 36.6 2.2 29.2	28.2 5.0 80 5.6 5.4 35.3 23.8 2.3 41.1 14.8 37.5 2.2 30.0	7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5	27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9	2.1 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	7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7	2.2 31.4 5.3 90 5.6 5.2 33.3 2.5 39.9 12.6 38.6 2.2 31.0	7.5 9.7 34.0 23.3 2.4 40.3 13.3 38.6 2.2 31.1	3.8 1.6 28.9 20.9 3.0 37.4	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4	7.5 9.3 31.4 22.2 2.7 38.9 11.0	3.8 1.6 25.7 19.0 3.3 36.7 7.3	110 5.6 4.7 27.5 20.1 3.1 36.7 8.3	0 6 7 .5 .1
SHPW30 EX GI Water Cooling eating SHPW36	WT PPM r dP (ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP	3.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 17.8 31.0 2.1 23.8	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 22.3 2.1 4.5	7.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 2.1 25.9	3.8 2.1 36.0 23.9 2.2 41.3 15.7 34.0 2.1 2.2 41.3 2.7	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0 4.8	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 28.5	3.8 1.7 34.1 23.4 2.4 40.4 13.4 36.6 2.2 29.2	28.2 5.0 80 5.6 5.4 35.3 23.8 2.3 41.1 14.8 37.5 2.2 30.0 5.0	7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5	27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9	2.1 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	7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7	2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 39.9 12.6 38.6 32.2 31.0 5.1	7.5 9.7 34.0 23.3 2.4 40.3 13.3 38.6 2.2 31.1	3.8 1.6 28.9 20.9 3.0 37.4	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4	7.5 9.3 31.4 22.2 2.7 38.9 11.0	3.8 1.6 25.7 19.0 3.3 36.7 7.3	110 5.6 4.7 27.5 20.1 3.1 36.7 8.3	0 6 6 7 7 5 5 1 1 1 7,7
SHPW30 ENG GI Water Cooling Leating SHPW36	WT PM r dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW)	3.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 17.8 31.0 2.1 23.8	60 5.6 6.4 37.9 24.3 42.1 19.1 32.3 2.1 25.1	7.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 2.1 25.9	3.8 2.1 36.0 23.9 2.2 41.3 15.7 34.0 2.1 2.2 41.3 2.7	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 28.5	3.8 1.7 34.1 23.4 2.4 40.4 13.4 36.6 2.2 29.2	28.2 5.0 80 5.6 5.4 35.3 23.8 2.3 41.1 14.8 37.5 2.2 30.0	7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5	27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9	2.1 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	7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7	2.2 31.4 5.3 90 5.6 5.2 33.3 2.5 39.9 12.6 38.6 2.2 31.0	7.5 9.7 34.0 23.3 2.4 40.3 13.3 38.6 2.2 31.1	3.8 1.6 28.9 20.9 3.0 37.4	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4	7.5 9.3 31.4 22.2 2.7 38.9 11.0	3.8 1.6 25.7 19.0 3.3 36.7 7.3	110 5.6 4.7 27.5 20.1 3.1 36.7 8.3	0 6 6 7 5 5 1 1 1 7 7
SHPW30 ENGI GI Water Cooling Leating SHPW36 ENGI GI GI	WT PM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP	3.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 17.8 31.0 2.1 23.8 4.3	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1 4.5	7.5 12.1 38.1 1.8 42.3 1.8 42.1 19.8 33.0 2.1 25.9 4.5	1.9 23.3 4.5 3.8 2.1 38.0 2.9 2.2 41.3 34.0 2.1 26.7 4.7	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0 4.8	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 28.5 4.9	3.8 1.7 34.1 23.4 2.4 40.4 13.4 36.6 2.2 4.9	28.2 5.0 80 5.6 5.4 35.3 23.8 2.3 41.1 14.8 37.5 2.2 30.0 5.0	7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	3.8 1.6 32.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9 5.0	2.1 29.8 5.1 85 5.6 5.3 34.3 23.4 2.4 40.5 38.1 2.2 30.6 5.1	7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7 5.1	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 5.1	7.5 9.7 34.0 23.3 2.4 40.3 38.6 2.2 31.1 5.1	3.8 1.6 26.9 20.9 3.0 37.4 9.2	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4	7.5 9.3 31.4 22.2 2.7 38.9 11.0	3.8 1.6 25.7 19.0 3.3 35.7 7.3	110 5.6 4.7 27.5 20.1 3.1 36.7 8.3	0 0 7 7 7 5 5 1.1 1 1 7 7 7 3
SHPW30 EY GI Water cooling eating SHPW36 EY GI	WT PM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP WT PM T of P (Ft) Total	1.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 42.0 17.8 31.0 2.1 23.8 4.3	1.9 21.6 4.4 5.6 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1 25.1 4.5	7.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 2.1 25.9 4.5	3.8 3.8 2.1 36.0 23.9 2.2 41.3 15.7 34.0 2.1 26.7 4.7	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0 4.8	7.5 11.7 37.3 24.2 2.0 17.7 35.9 2.2 28.5 4.9	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	28.2 5.0 80 5.6 5.4 35.3 23.8 2.3 41.1 14.8 37.5 2.2 30.0 5.0 80 6.8 80 6.8	7.5 10.2 35.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	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	21 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 85 6.8 10.0 97.7	7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7 5.1 4.5 4.6 34.7	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 5.1	7.5 9.7 34.0 23.3 2.4 40.3 13.3 38.6 2.2 31.1 5.1	3.8 1.6 28.9 3.0 37.4 9.2	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Ope	7.5 9.3 31.4 22.2 2.7 38.9 11.0 eration Not	3.8 1.6 25.7 19.0 3.3 35.7 7.3	110 5.6 4.7 27.5 20.1 3.1 36.7 6.3 ended	0 6 6 7 5 1 1 1 1 7 7 7 7 8 8 8 8 8
SHPW30 EY GI Water cooling eating SHPW36 EY GI	WT PM r dP (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP WT PM r dP (Ft) Total Sensible	1.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 17.8 31.0 2.1 23.8 4.3 4.3	1.9 21.6 4.4 4.4 5.6 6.4 37.9 24.3 1.9 42.1 132.3 2.1 4.5 60 6.8 6.8 10.7 43.8	7.5 121 38.1 24.3 1.8 42.1 19.8 33.0 2.1 25.9 4.5	3.8 23.3 4.5 3.8 2.1 38.0 23.9 2.2 41.3 15.7 34.0 2.1 4.7	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0 4.8	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 28.5 4.9	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 4.7 37.3 26.0	28.2 5.0 80 5.6 5.4 35.3 23.8 23.8 241.1 14.8 37.5 2.2 30.0 5.0 80 6.8 9.7 38.9 26.7	7.5 10.2 35.9 23.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	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	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 86 6.8 10.0 37.7 26.1	7.5 9.9 34.9 23.6 23.6 23.6 40.7 14.4 38.3 2.2 30.8 5.1	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7 5.1	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 5.1	7.5 9.7 34.0 23.3 2.4 40.3 13.3 38.6 2.2 31.1 5.1	3.8 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7	100 5.6 4.9 30.6 21.9 2.8 36.4 10.4 Opp	7.5 9.3 31.4 22.2 2.7 38.9 11.0 eration Not	Recomme 3.8 1.6 25.7 19.0 3.3 35.7 7.3 Recomme 4.5 4.3 29.4 23.0	110 5.6 4.7 27.5 20.1 3.1 36.7 8.3 ended	0 0 6 6 7 7 5 1 1 1 1 7,7 3 3
SHPW30 FI GI Water Cooling Leating SHPW36 FI GI	WT PM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP WT PM Total Sensible FOR Total Sensible Power (KW)	3.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 17.8 31.0 2.1 23.8 4.3	1.9 21.6 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 6.8 6.8 10.7 43.4 2.6 60 6.8	7.5 121 38.1 24.3 1.8 42.1 19.8 42.1 25.9 4.5	3.8 2.1 36.0 23.9 2.2 41.3 15.7 34.0 2.1 26.7 4.7 4.5 5.1 39.8 27.2 2.6	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0 4.8 70 6.8 10.5 41.3 27.8	7.5 111.7 37.3 24.2 2.0 17.7 35.9 2.2 28.5 4.9	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 4.7 37.3 26.0 2.9	28.2 5.0 80 5.6 5.4 35.3 23.8 2.3 41.1.8 37.5 2.2 30.0 5.0 80 6.8 9.7 38.9 26.7	7.5 10.2 35.9 2.2 41.3 37.8 2.2 30.5 5.0 9.0 16.2 39.7 27.0 26.6	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 4.6 36.1 25.3 3.0	2.1 29.8 5.1 85 5.6 5.6 5.3 34.3 23.4 40.5 13.7 38.1 2.2 30.6 5.1 85 6.8 10.0 37.7 26.1 2.8	7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 5.1 9.0 15.9 38.3 26.5 2.7	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7 5.1 4.5 4.6 34.7 24.8 3.2	2.2 31.4 5.3 90 5.6 5.2 33.3 23.0 2.5 39.9 12.6 2.2 31.0 5.1 5.1 5.2 38.6 2.2 31.0 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1	7.5 9.7 34.0 23.3 13.3 2.4 40.3 13.3 38.6 2.2 31.1 5.1	3.8 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7 3.6	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 10.4 Ope 6.8 9.0 33.5 24.3 3.3	7.5 9.3 31.4 22.2 2.7 38.9 11.0 eration Not 9.0 15.1 34.3 24.6 3.2	3.8 1.6 25.7 19.0 3.3 35.7 7.3 Recomme 4.5 4.5 4.3 29.4 23.0 4.0	### ##################################	0 66 7 7 5 5 1 1 7 7 3 3
SHPW30 EV GI Water cooling eating SHPW36 EV GI Water	WT PM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP WT PM Total Sensible Power (KW) Heat Rejection WT Heat Rejection	1.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 17.8 31.0 2.1 2.3 4.3 4.3 4.5 5.2 4.2 2.8 4.3	1.9 21.6 4.4 5.6 6.4 37.9 42.1 1.9 42.1 19.1 32.3 2.1 4.5 6.8 10.7 43.8 28.8 2.2 50.7	7.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 4.5 9.0 17.9 4.5 9.0 17.9 43.9 29.0 2.1 51.0	23.3 4.5 3.8 2.1 36.0 23.9 2.2 41.3 15.7 34.0 2.1 26.7 4.7	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0 4.8 10.5 41.3 2.2 27.8 2.4 49.4	7.5 11.7 37.3 24.2 2.0 42.0 42.0 17.5 4.9 9.0 17.5 4.9	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 4.7 37.3 26.0 2.9 2.9 4.7	28.2 5.0 80 5.6 5.4 35.3 23.8 2.3 41.1 14.8 37.5 2.2 30.0 5.0 80 6.8 9.7 26.7 27.7 47.9	7.5 10.2 35.9 23.9 2.2 41.3 15.5 37.8 2.2 30.5 5.0	27.9 5.0 3.8 1.6 32.9 22.9 22.9 2.5 39.7 12.4 37.3 2.2 29.9 5.0 4.5 4.6 36.1 25.3 3.0 46.2	2.1 29.8 5.1 5.6 5.3 34.3 23.4 2.4 40.5 13.7 38.1 2.2 30.6 5.1 85 6.8 10.0 37.7 26.1 2.8 47.1	7.5 9.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 31.3 38.2 2.2 30.7 5.1 4.5 4.6 34.7 24.8 3.2 45.5	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 5.1 90 6.8 10.4 30.2 46.3 46.3	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	3.8 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	100 5.6 4.9 30.6 21.9 2.8 36.4 10.4 0pp	7.5 9.3 31.4 22.2 2.7 36.9 11.0 eration Not	Recomme 3.8 1.6 25.7 19.0 3.3 35.7 7.3 Recomme 4.5 4.3 29.4 23.0 4.0 43.1 43.1	### ##################################	0 66 77 51 11 17,7 33
SHPW30 EV GI Water cooling eating SHPW36 EV GI Water	WT PM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP WT PM Total Sensible Power (KW) Heat Extraction COP	1.8 20.2 4.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 17.8 31.0 2.1 23.8 4.3 4.3 2.1 23.8 4.3 2.1 23.8 4.3	1.9 21.6 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 2.2 5.0 7.1 9.7	7.5 12.1 38.1 1.8 42.3 1.8 33.0 2.1 25.9 4.5 9.0 17.9 43.9 2.1 51.0 20.6	1.9 233 4.5 3.8 2.1 380 23.9 2.2 41.3 15.7 34.0 2.1 26.7 4.7 4.5 5.1 39.8 27.2 2.6 48.5 15.5	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0 4.1 70 6.8 10.5 41.3 27.8 2.4 49.4 17.1	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 28.5 4.9	26.4 4.9 3.8 1.7 34.1 23.4 24.4 40.4 13.4 36.6 2.2 29.2 4.9 4.5 4.7 37.3 26.0 2.9 47.0 2.9 47.0 2.9	28.2 5.0 80 5.6 5.4 35.3 23.8 23.8 23.3 41.1 14.8 37.5 2.2 30.0 5.0 6.8 9.7 38.9 26.7 47.9 47.9 14.5	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 9.0 16.2 39.7 27.0 2.6 48.4 48.4 415.3	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 4.6 36.1 25.3 3.0 46.2 12.0	2.1 29.8 5.1 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 85 6.8 10.0 37.7 26.1 2.8 47.1 2.8 47.1 2.8	7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1 15.9 38.3 26.5 2.7 47.7	2.1 29.5 5.1 3.8 1.6 31.8 22.7 39.0 11.3 38.2 2.2 2.2 30.7 5.1 4.5 4.6 34.7 24.8 32.4 32.4 32.4 33.2 45.5	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 5.1	7.5 9.7 34.0 23.3 2.4 40.3 38.6 2.2 31.1 5.1 9.0 15.5 37.1 25.8 2.9 46.9 41.8	3.8 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7 3.6	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 10.4 Ope 6.8 9.0 33.5 24.3 3.3	7.5 9.3 31.4 22.2 2.7 38.9 11.0 eration Not 9.0 15.1 34.3 24.6 3.2	3.8 1.6 25.7 19.0 3.3 35.7 7.3 Recomme 4.5 4.5 4.3 29.4 23.0 4.0	### ##################################	0 66 77 51 11 17,7 33
SHPW30 EV GI Water cooling eating SHPW36 EV GI Water	WT PM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP WT FPM Total Sensible Power (KW) Heat Extraction EFR FPM Total Sensible Power (KW) Heat Rejection EER Total FPM Total Sensible FOWER (KW)	1.8 20.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 17.8 31.0 2.1 23.8 4.3 4.3 4.5 5.2 2.2 2.3 8 4.3 5.5 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6	1.9 21.6 4.4 5.6 5.6 5.6 6.4 37.9 42.1 19.1 19.1 22.3 2.1 4.5 60 6.8 10.7 43.4 28.8 2.2 50.7 19.7 37.2	7.5 12.1 38.1 24.3 1.8 42.1 19.8 33.0 2.1 25.9 4.5 9.0 17.9 29.0 2.1 51.0 20.6 38.1	1.9 23.3 4.5 3.8 2.1 36.0 23.9 2.2 41.3 34.0 2.1 26.7 4.7 4.5 5.1 39.8 27.2 2.6 48.5 15.5 39.8	70 5.6 6.2 36.9 24.2 2.0 35.3 2.2 28.0 4.8 17.0 6.8 10.5 41.3 27.8 49.4 17.1 41.3	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 28.5 4.9 9.0 17.5 42.0 17.7 35.9 2.2 28.5 4.9	26.4 4.9 3.8 1.7 34.1 23.4 2.4 40.4 13.4 36.8 2.2 4.9 4.5 4.7 37.3 26.0 2.8 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9	28.2 5.0 80 5.6 5.4 35.3 23.8 2.3 41.1 14.8 37.5 2.2 30.0 5.0 80 6.8 9.7 38.9 26.7 27.7 47.9 145.4 45.2	7.5 10.2 35.9 23.9 2.2 30.5 5.0 9.0 16.2 39.7 27.0 2.6 48.4 15.3 46.2	27.9 5.0 3.8 1.6 32.9 22.9 22.9 25.3 39.7 12.4 37.3 2.2 29.9 5.0 4.6 36.1 25.3 36.1 25.3 46.2 12.0 45.1	2.1 29.8 5.1 5.6 5.3 34.3 23.4 24.4 2.4 40.5 30.6 5.1 85 6.8 10.0 7.7 26.1 2.8 47.1 13.3 47.0	90.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1 9.0 15.9 38.3 26.5 27.7 47.7	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 4.6 34.7 24.8 32.7 45.5 10.9	90 5.8 5.2 33.3 23.0 2.5 39.9 12.6 38.6 2.2 31.0 5.1 90 6.8 10.4 46.3 12.1 48.7	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 9.0 15.5 37.1 25.8 2.9 46.9 12.8	3.8 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	100 5.6 4.9 30.6 21.9 2.8 36.4 10.4 0pp	7.5 9.3 31.4 22.2 2.7 36.9 11.0 eration Not	Recomme 3.8 1.6 25.7 19.0 3.3 35.7 7.3 Recomme 4.5 4.3 29.4 23.0 4.0 43.1 43.1	### ##################################	0 66 77 51 11 17,7 33
SHPW30 EV GI Water cooling eating SHPW36 EV GI Water	WT PPM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP WT PPM T OT (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW)	1.8 20.2 4.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 17.8 31.0 2.1 23.8 4.3 4.3 2.1 23.8 4.3 2.1 23.8 4.3 2.1 23.8 4.3 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1 25.1 4.5 6.6 6.8 4.3 7.9 42.1 7.0 6.0 6.0 6.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	7.5 12.1 38.1 1.8 4.5 24.3 1.8 42.1 19.8 32.1 25.9 4.5 9.0 17.9 43.9 29.0 2.1 20.6 38.1 2.5	1.9 233 4.5 3.8 2.1 36.0 23.9 2.2 41.3 15.7 34.0 2.1 26.7 4.7 4.5 5.1 39.8 27.2 2.6 4.5 5.1 39.8 27.2 2.6 4.5 5.1 39.8 27.2 2.6 4.5 39.8 4.5 4.5 4.5 4.5 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 6.8 10.5 41.3 27.8 27.8 27.8 27.4 49.4 17.1 41.3 2.5	7.5 11.7 37.3 37.3 24.2 2.0 42.0 17.7 28.5 4.9 9.0 17.5 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0	26.4 4.9 3.8 1.7 34.1 23.4 4.0.4 13.6 36.6 2.2 29.2 4.9 4.5 4.7 37.3 26.0 2.9 47.0 13.1 43.3 2.6	28.2 5.0 80 5.6 5.4 35.3 23.8 23.8 23.3 41.1 14.8 37.5 2.2 30.0 5.0 80 6.8 9.7 38.9 26.7 27.4 47.9 14.5 45.2 26.7 27.4 47.9	7.5 10.2 35.9 23.9 2.2 41.3 15.5 5.0 9.0 16.2 39.7 2.7.0 2.6 48.4 15.3 46.2 2.6	27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 2.2 29.9 5.0 4.5 4.6 36.1 25.3 3.0 46.2 12.0 45.1 2.6	2.1 29.8 5.1 86 5.6 5.3 34.3 23.4 2.4 40.5 13.7 38.1 2.2 30.6 5.1 37.7 38.1 2.2 30.6 5.8 10.0 37.7 26.1 2.8 47.1 13.3 47.1 2.8	7.5 7.9 9.9 34.9 23.6 2.3 40.7 14.4 9.0 15.9 38.3 2.2 30.8 5.1	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7 5.1 4.6 4.6 4.6 34.8 32.4 45.5 10.9 46.9 2.6	90 5.6 5.6 5.2 33.3 23.0 2.5 39.9 12.6 38.6 30.2 31.0 5.1 90 6.8 10.4 36.3 25.4 30.0 46.3 25.4 30.0 46.3	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 9.0 15.5 37.1 25.8 2.9 49.6 2.7	3.8 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	100 5.6 4.9 30.6 21.9 2.8 36.4 10.4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.5 9.3 31.4 22.2 2.7 36.9 11.0 eration Not	Recomme 3.8 1.6 25.7 19.0 3.3 35.7 7.3 Recomme 4.5 4.3 29.4 23.0 4.0 43.1 43.1	### ##################################	0 66 77 51 11 17,7 33
SHPW30 EX GI Water cooling eating SHPW36 EX GI Water cooling	WT PM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP WT PM Total Sensible Power (KW) Heat Extraction COP	1.8 20.2 4.2 4.2 3.8 2.1 37.3 24.2 2.0 17.8 31.0 2.1 23.8 4.3 4.5 5.2 42.1 28.3 2.3 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1 25.1 4.5 60 6.8 60 6.8 10.7 43.4 26.8 2.2 37.2 43.4 26.8 27.2 43.4 26.8 27.2 43.4 26.8 27.2 43.4 43.4 43.4 43.4 43.4 43.4 43.4 43	7.5 12.1 38.1 1.8 4.5 24.3 1.8 33.0 2.1 25.9 4.5 9.0 17.9 43.9 29.0 2.1 51.0 2.6 38.1 2.5 2.8	1.9 233 4.5 3.8 2.1 36.0 23.9 2.2 41.3 15.7 34.0 2.1 26.7 4.7 4.5 5.1 39.8 27.2 2.6 4.5 4.5 39.4 2.5 39.4	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0 4.8 10.5 70 6.8 10.5 27.8 24.4 41.3 27.8 41.3 27.8 24.4 41.3 27.8 41.3 27.8 41.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 28.5 4.9 9.0 17.5 42.0 28.2 2.3 49.9 42.3 2.6 33.7	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 13.1 43.3 2.6 43.3 43.3 43.3 46.3	28.2 5.0 80 5.6 5.4 35.3 23.8 41.1 14.8 37.5 2.3 30.0 5.0 80 6.8 9.7 47.9 14.5 2.7 47.9 14.5 2.6 45.2 2.6 45.4 45.2 45.2 46.7 47.9 45.2 46	9.3 5.1 7.5 10.2 35.9 23.9 23.9 241.3 15.5 37.8 2.2 30.5 5.0 9.0 16.2 39.7 27.0 2.6 48.4 15.3 46.2 2.6 37.3	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 4.6 36.1 25.3 3.0 46.2 12.0 45.1 2.6 36.3	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 85 6.8 10.0 37.7 26.1 2.8 47.0 2.8 47.0 2.6 38.0	90.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1 9.0 15.9 98.3 26.5 2.7 47.7 14.7 14.9 2.7 47.9 2.7 38.9	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7 5.1 4.5 4.6 34.7 24.8 3.2 45.5 10.9 46.9 2.6 37.9	90 5.6 5.6 5.2 33.3 23.0 2.5 39.9 12.6 38.6 2.2 31.0 5.1 90 6.8 10.4 36.3 25.4 30.3 25.4 30.3 25.4 30.3 25.4 30.3 20.0	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 9.0 15.5 37.1 25.8 2.9 46.9 49.6 2.7	3.8 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Opp 100 6.8 9.0 33.5 24.3 3.3 44.8 10.0	9.0 9.0 9.1 9.0 9.0 9.0 9.0 15.1 34.3 24.6 3.2 45.3 10.6	3.8 1.6 25.7 19.0 3.3 35.7 7.3 Recomme 4.5 4.3 29.4 23.0 4.0 4.3 1.7.3	110 5.6 4.7 27.5 20.1 3.1 3.1 8.3 ended 110 6.8 8.8 8.8 8.8 30.8 23.4 3.8 43.7 8.2	0 66 77 51 11 17,7 33
SHPW30 ENGLISH SHPW36	WT PPM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP WT PPM T OT (Ft) Total Sensible Power (KW) Heat Rejection EER Total Power (KW)	1.8 20.2 4.2 4.2 3.8 2.1 37.3 24.2 2.0 42.0 17.8 31.0 2.1 23.8 4.3 4.3 2.1 23.8 4.3 2.1 23.8 4.3 2.1 23.8 4.3 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1 25.1 4.5 6.6 6.8 4.3 7.9 42.1 7.0 6.0 6.0 6.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	7.5 12.1 38.1 1.8 4.5 24.3 1.8 42.1 19.8 32.1 25.9 4.5 9.0 17.9 43.9 29.0 2.1 20.6 38.1 2.5	1.9 233 4.5 3.8 2.1 36.0 23.9 2.2 41.3 15.7 34.0 2.1 26.7 4.7 4.5 5.1 39.8 27.2 2.6 4.5 5.1 39.8 27.2 2.6 4.5 5.1 39.8 27.2 2.6 4.5 39.8 4.5 4.5 4.5 4.5 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 6.8 10.5 41.3 27.8 27.8 27.8 27.4 49.4 17.1 41.3 2.5	7.5 11.7 37.3 37.3 24.2 2.0 42.0 17.7 28.5 4.9 9.0 17.5 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0	26.4 4.9 3.8 1.7 34.1 23.4 4.0.4 13.6 36.6 2.2 29.2 4.9 4.5 4.7 37.3 26.0 2.9 47.0 13.1 43.3 2.6	28.2 5.0 80 5.6 5.4 35.3 23.8 23.8 23.3 41.1 14.8 37.5 2.2 30.0 5.0 80 6.8 9.7 38.9 26.7 27.4 47.9 14.5 45.2 26.7 27.4 47.9	7.5 10.2 35.9 23.9 2.2 41.3 15.5 5.0 9.0 16.2 39.7 2.7.0 2.6 48.4 15.3 46.2 2.6	27.9 5.0 3.8 1.6 32.9 22.9 2.5 39.7 12.4 2.2 29.9 5.0 4.5 4.6 36.1 25.3 3.0 46.2 12.0 45.1 2.6	2.1 29.8 5.1 86 5.6 5.3 34.3 23.4 2.4 40.5 13.7 38.1 2.2 30.6 5.1 37.7 38.1 2.2 30.6 5.8 10.0 37.7 26.1 2.8 47.1 13.3 47.1 2.8	7.5 7.9 9.9 34.9 23.6 2.3 40.7 14.4 9.0 15.9 38.3 2.2 30.8 5.1	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7 5.1 4.6 4.6 4.6 34.8 32.4 45.5 10.9 46.9 2.6	90 5.6 5.6 5.2 33.3 23.0 2.5 39.9 12.6 38.6 30.2 31.0 5.1 90 6.8 10.4 36.3 25.4 30.0 46.3 25.4 30.0 46.3	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 9.0 15.5 37.1 25.8 2.9 49.6 2.7	3.8 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Opp 100 6.8 9.0 33.5 24.3 3.3 44.8 10.0	7.5 9.3 31.4 22.2 2.7 36.9 11.0 eration Not	3.8 1.6 25.7 19.0 3.3 35.7 7.3 Recomme 4.5 4.3 29.4 23.0 4.0 4.3 1.7.3	110 5.6 4.7 27.5 20.1 3.1 3.1 8.3 ended 110 6.8 8.8 8.8 8.8 30.8 23.4 3.8 43.7 8.2	0 66 77 51 11 17,7 33
SHPW30 ENGL GI Water Cooling Leating SHPW36 ENGL GI Water	WT PM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP WT PM Total Sensible Power (KW) Heat Extraction COP	1.8 20.2 4.2 4.2 3.8 2.1 37.3 24.2 2.0 17.8 31.0 2.1 23.8 4.3 4.5 5.2 42.1 28.3 2.3 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1 25.1 4.5 60 6.8 60 6.8 10.7 43.4 26.8 2.2 37.2 43.4 26.8 27.2 43.4 26.8 27.2 43.4 26.8 27.2 43.4 43.4 43.4 43.4 43.4 43.4 43.4 43	7.5 12.1 38.1 1.8 4.5 24.3 1.8 33.0 2.1 25.9 4.5 9.0 17.9 43.9 29.0 2.1 51.0 2.6 38.1 2.5 2.8	1.9 233 4.5 3.8 2.1 36.0 23.9 2.2 41.3 15.7 34.0 2.1 26.7 4.7 4.5 5.1 39.8 27.2 2.6 4.5 4.5 39.4 2.5 39.4	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0 4.8 10.5 70 6.8 10.5 27.8 24.4 41.3 27.8 41.3 27.8 24.4 41.3 27.8 41.3 27.8 41.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 28.5 4.9 9.0 17.5 42.0 28.2 2.3 49.9 42.3 2.6 33.7	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 13.1 43.3 2.6 43.3 43.3 43.3 46.3	28.2 5.0 80 5.6 5.4 35.3 23.8 41.1 14.8 37.5 2.3 30.0 5.0 80 6.8 9.7 47.9 14.5 2.7 47.9 14.5 2.6 45.2 2.6 45.4 45.2 45.2 46.7 47.9 45.2 46	9.3 5.1 7.5 10.2 35.9 23.9 23.9 241.3 15.5 37.8 2.2 30.5 5.0 9.0 16.2 39.7 27.0 2.6 48.4 15.3 46.2 2.6 37.3	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 4.6 36.1 25.3 3.0 46.2 12.0 45.1 2.6 36.3	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 85 6.8 10.0 37.7 26.1 2.8 47.0 2.8 47.0 2.6 38.0	90.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1 9.0 15.9 98.3 26.5 2.7 47.7 14.7 14.9 2.7 47.9 2.7 38.9	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7 5.1 4.5 4.6 34.7 24.8 3.2 45.5 10.9 46.9 2.6 37.9	90 5.6 5.6 5.2 33.3 23.0 2.5 39.9 12.6 38.6 2.2 31.0 5.1 90 6.8 10.4 36.3 25.4 30.3 25.4 30.3 25.4 30.3 25.4 30.3 20.0	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 9.0 15.5 37.1 25.8 2.9 46.9 49.6 2.7	3.8 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Opp 100 6.8 9.0 33.5 24.3 3.3 44.8 10.0	9.0 9.0 9.1 9.0 9.0 9.0 9.0 15.1 34.3 24.6 3.2 45.3 10.6	3.8 1.6 25.7 19.0 3.3 35.7 7.3 Recomme 4.5 4.3 29.4 23.0 4.0 4.3 1.7.3	110 5.6 4.7 27.5 20.1 3.1 3.1 8.3 ended 110 6.8 8.8 8.8 8.8 30.8 23.4 3.8 43.7 8.2	0 66 77 51 11 17,7 33
SHPW30 EV GI Water Cooling Leating SHPW36 E GI Water Cooling Leating Cooling	WT PM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP WT PM Total Sensible Power (KW) Heat Extraction COP WT PM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP	1.8 20.2 4.2 4.2 3.8 2.1 37.3 24.2 2.0 17.8 31.0 2.1 23.8 4.3 4.5 5.2 42.1 28.3 2.3 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1 25.1 4.5 60 6.8 60 6.8 10.7 43.4 26.8 2.2 37.2 43.4 26.8 27.2 43.4 26.8 27.2 43.4 26.8 27.2 43.4 43.4 43.4 43.4 43.4 43.4 43.4 43	7.5 12.1 38.1 1.8 4.5 24.3 1.8 33.0 2.1 25.9 4.5 9.0 17.9 43.9 29.0 2.1 51.0 2.6 38.1 2.5 2.8	1.9 233 4.5 3.8 2.1 36.0 23.9 2.2 41.3 15.7 34.0 2.1 26.7 4.7 4.5 5.1 39.8 27.2 2.6 4.5 4.5 39.4 2.5 39.4	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0 4.8 10.5 70 6.8 10.5 27.8 24.4 41.3 27.8 41.3 27.8 24.4 41.3 27.8 41.3 27.8 41.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 28.5 4.9 9.0 17.5 42.0 28.2 2.3 49.9 42.3 2.6 33.7	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 13.1 43.3 2.6 43.3 43.3 43.3 46.3	28.2 5.0 80 5.6 5.4 35.3 23.8 41.1 14.8 37.5 2.3 30.0 5.0 80 6.8 9.7 47.9 14.5 2.7 47.9 14.5 2.6 45.2 2.6 45.4 45.2 45.2 46.7 47.9 45.2 46	9.3 5.1 7.5 10.2 35.9 23.9 23.9 241.3 15.5 37.8 2.2 30.5 5.0 9.0 16.2 39.7 27.0 2.6 48.4 15.3 46.2 2.6 37.3	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 4.6 36.1 25.3 3.0 46.2 12.0 45.1 2.6 36.3	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 85 6.8 10.0 37.7 26.1 2.8 47.0 2.8 47.0 2.6 38.0	90.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1 9.0 15.9 98.3 26.5 2.7 47.7 14.7 14.9 2.7 47.9 2.7 38.9	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7 5.1 4.5 4.6 34.7 24.8 3.2 45.5 10.9 46.9 2.6 37.9	90 5.6 5.6 5.2 33.3 23.0 2.5 39.9 12.6 38.6 2.2 31.0 5.1 90 6.8 10.4 36.3 25.4 30.3 25.4 30.3 25.4 30.3 25.4 30.3 20.0	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 9.0 15.5 37.1 25.8 2.9 46.9 49.6 2.7	3.8 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Opp 100 6.8 9.0 33.5 24.3 3.3 44.8 10.0	9.0 9.0 9.1 9.0 9.0 9.0 9.0 15.1 34.3 24.6 3.2 45.3 10.6	3.8 1.6 25.7 19.0 3.3 35.7 7.3 Recomme 4.5 4.3 29.4 23.0 4.0 4.3 1.7.3	110 5.6 4.7 27.5 20.1 3.1 3.1 8.3 ended 110 6.8 8.8 8.8 8.8 30.8 23.4 3.8 43.7 8.2	0 66 77 51 11 17,7 33
SHPW30 ENGINEER SHPW36	WT PM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP WT PM Total Sensible Power (KW) Heat Extraction COP wr Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Care Total Power (KW)	1.8 20.2 4.2 4.2 3.8 2.1 37.3 24.2 2.0 17.8 31.0 2.1 23.8 4.3 4.5 5.2 42.1 28.3 2.3 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1 25.1 4.5 60 6.8 60 6.8 10.7 43.4 26.8 2.2 37.2 43.4 26.8 27.2 43.4 26.8 27.2 43.4 26.8 27.2 43.4 43.4 43.4 43.4 43.4 43.4 43.4 43	7.5 12.1 38.1 1.8 4.5 24.3 1.8 33.0 2.1 25.9 4.5 9.0 17.9 43.9 29.0 2.1 51.0 2.6 38.1 2.5 2.8	1.9 233 4.5 3.8 2.1 36.0 23.9 2.2 41.3 15.7 34.0 2.1 26.7 4.7 4.5 5.1 39.8 27.2 2.6 4.5 4.5 39.4 2.5 39.4	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0 4.8 10.5 70 6.8 10.5 27.8 24.4 41.3 27.8 41.3 27.8 24.4 41.3 27.8 41.3 27.8 41.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 28.5 4.9 9.0 17.5 42.0 28.2 2.3 49.9 42.3 2.6 33.7	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 13.1 43.3 2.6 43.3 43.3 43.3 46.3	28.2 5.0 80 5.6 5.4 35.3 23.8 41.1 14.8 37.5 2.3 30.0 5.0 80 6.8 9.7 47.9 14.5 2.7 47.9 14.5 2.6 45.2 2.6 45.4 45.2 45.2 46.7 47.9 45.2 46	9.3 5.1 7.5 10.2 35.9 23.9 23.9 241.3 15.5 37.8 2.2 30.5 5.0 9.0 16.2 39.7 27.0 2.6 48.4 15.3 46.2 2.6 37.3	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 4.6 36.1 25.3 3.0 46.2 12.0 45.1 2.6 36.3	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 85 6.8 10.0 37.7 26.1 2.8 47.0 2.8 47.0 2.6 38.0	90.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1 9.0 15.9 98.3 26.5 2.7 47.7 14.7 14.9 2.7 47.9 2.7 38.9	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7 5.1 4.5 4.6 34.7 24.8 3.2 45.5 10.9 46.9 2.6 37.9	90 5.6 5.6 5.2 33.3 23.0 2.5 39.9 12.6 38.6 2.2 31.0 5.1 90 6.8 10.4 36.3 25.4 30.3 25.4 30.3 25.4 30.3 25.4 30.3 20.0	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 9.0 15.5 37.1 25.8 2.9 46.9 49.6 2.7	3.8 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Opp 100 6.8 9.0 33.5 24.3 3.3 44.8 10.0	9.0 9.0 9.1 9.0 9.0 9.0 9.0 15.1 34.3 24.6 3.2 45.3 10.6	3.8 1.6 25.7 19.0 3.3 35.7 7.3 Recomme 4.5 4.3 29.4 23.0 4.0 4.3 1.7.3	110 5.6 4.7 27.5 20.1 3.1 3.1 8.3 ended 110 6.8 8.8 8.8 8.8 30.8 23.4 3.8 43.7 8.2	0 66 77 51 11 17,7 33
SHPW30 EVALUATION OF THE PROPERTY OF THE PROPE	WT PM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP WT PM Total Sensible Power (KW) Heat Rejection EER Total Sensible Power (KW) Heat Rejection EER Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Teriperature remperature rem Minute	1.8 20.2 4.2 4.2 3.8 2.1 37.3 24.2 2.0 17.8 31.0 2.1 23.8 4.3 4.5 5.2 42.1 28.3 2.3 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1 25.1 4.5 60 6.8 60 6.8 10.7 43.4 26.8 2.2 37.2 43.4 26.8 27.2 43.4 26.8 27.2 43.4 26.8 27.2 43.4 27.2 43.4 27.2 43.4 27.2 43.4 27.2 43.4 27.2 43.4 27.2 43.4 27.2 43.4 27.2 43.4 27.2 43.4 27.2 43.4 27.2 43.4 43.4 43.4 43.4 43.4 43.4 43.4 43	7.5 12.1 38.1 1.8 4.5 24.3 1.8 33.0 2.1 25.9 4.5 9.0 17.9 43.9 29.0 2.1 51.0 2.6 38.1 2.5 2.8	1.9 233 4.5 3.8 2.1 36.0 23.9 2.2 41.3 15.7 34.0 2.1 26.7 4.7 4.5 5.1 39.8 27.2 2.6 4.5 4.5 39.4 2.5 39.4	70 5.6 6.2 36.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0 4.8 10.5 70 6.8 10.5 27.8 24.4 41.3 27.8 41.3 27.8 24.4 41.3 27.8 41.3 27.8 41.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 28.5 4.9 9.0 17.5 42.0 28.2 2.3 49.9 42.3 2.6 33.7	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 13.1 43.3 2.6 43.3 43.3 43.3 46.3	28.2 5.0 80 5.6 5.4 35.3 23.8 41.1 14.8 37.5 2.3 30.0 5.0 80 6.8 9.7 47.9 14.5 2.7 47.9 14.5 2.6 45.2 2.6 45.4 45.2 45.2 46.7 47.9 45.2 46	9.3 5.1 7.5 10.2 35.9 23.9 23.9 241.3 15.5 37.8 2.2 30.5 5.0 9.0 16.2 39.7 27.0 2.6 48.4 15.3 46.2 2.6 37.3	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 4.6 36.1 25.3 3.0 46.2 12.0 45.1 2.6 36.3	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 85 6.8 10.0 37.7 26.1 2.8 47.0 2.8 47.0 2.6 38.0	90.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1 9.0 15.9 98.3 26.5 2.7 47.7 14.7 14.9 2.7 47.9 2.7 38.9	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7 5.1 4.5 4.6 34.7 24.8 3.2 45.5 10.9 46.9 2.6 37.9	90 5.6 5.6 5.2 33.3 23.0 2.5 39.9 12.6 38.6 2.2 31.0 5.1 90 6.8 10.4 36.3 25.4 30.3 25.4 30.3 25.4 30.3 25.4 30.3 20.0	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 9.0 15.5 37.1 25.8 2.9 46.9 49.6 2.7	3.8 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Opp 100 6.8 9.0 33.5 24.3 3.3 44.8 10.0	9.0 9.0 9.1 9.0 9.0 9.0 9.0 15.1 34.3 24.6 3.2 45.3 10.6	3.8 1.6 25.7 19.0 3.3 35.7 7.3 Recomme 4.5 4.3 29.4 23.0 4.0 4.3 1.7.3	110 5.6 4.7 27.5 20.1 3.1 3.1 8.3 ended 110 6.8 8.8 8.8 8.8 30.8 23.4 3.8 43.7 8.2	0 66 77 51 11 17,7 33
SHPW30 ENGINEER SHPW36 ENGINER SHPW36 ENGINEER SHPW36 ENGINEER SHPW36 ENGINEER SHPW36 ENGINEER	WT PM Total Sensible Power (KW) Heat Rejection COP WT PM Total Power (KW) Heat Extraction COP WT PM Total Sensible Power (KW) Heat Extraction COP wr Total Sensible Power (KW) Heat Rejection EER Total Sensible Power (KW) Heat Rejection COP t of Perbrmance friciency Ratio Water Temperature er Minute rop	1.8 20.2 4.2 4.2 3.8 2.1 37.3 24.2 2.0 4.2 17.8 31.0 2.1 23.8 4.3 4.3 2.1 23.8 4.3 2.1 23.8 4.3 2.1 23.8 4.3 2.1 23.8 4.3 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1 25.1 4.5 60 6.8 10.7 43.4 28.8 2.2 5.0,7 19.7 43.4 28.8 2.2 5.6 6.8	7.5 12.1 38.1 1.8 4.2 1.8 1.8 42.1 25.9 4.5 9.0 17.9 43.9 29.0 2.1 51.0 20.6 38.1 2.5 29.8 4.5	1.9 233 4.5 3.8 2.1 380 23.9 2.2 41.3 15.7 34.0 2.1 26.7 4.7 4.5 5.1 39.8 27.2 2.6 48.5 15.5 39.4 4.5 39.4 4.6	70 5.6 6.2 38.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0 4.8 10.5 70 6.8 10.5 27.8 2.4 49.4 17.1 41.3 2.5 3.8 4.8	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 28.5 4.9 9.0 17.5 42.0 28.2 2.3 49.9 42.3 2.6 33.7	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 13.1 43.3 2.6 43.3 43.3 43.3 46.3	28.2 5.0 80 5.6 5.4 35.3 23.8 41.1 14.8 37.5 2.3 30.0 5.0 80 6.8 9.7 47.9 14.5 2.7 47.9 14.5 2.6 45.2 2.6 45.4 45.2 45.2 46.7 47.9 45.2 46	9.3 5.1 7.5 10.2 35.9 23.9 23.9 241.3 15.5 37.8 2.2 30.5 5.0 9.0 16.2 39.7 27.0 2.6 48.4 15.3 46.2 2.6 37.3	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 4.6 36.1 25.3 3.0 46.2 12.0 45.1 2.6 36.3	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 85 6.8 10.0 37.7 26.1 2.8 47.0 2.8 47.0 2.6 38.0	90.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1 9.0 15.9 98.3 26.5 2.7 47.7 14.7 14.9 2.7 47.9 2.7 38.9	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7 5.1 4.5 4.6 34.7 24.8 3.2 45.5 10.9 46.9 2.6 37.9	90 5.6 5.6 5.2 33.3 23.0 2.5 39.9 12.6 38.6 2.2 31.0 5.1 90 6.8 10.4 36.3 25.4 30.3 25.4 30.3 25.4 30.3 25.4 30.3 20.0	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 9.0 15.5 37.1 25.8 2.9 46.9 49.6 2.7	3.8 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Opp 100 6.8 9.0 33.5 24.3 3.3 44.8 10.0	9.0 9.0 9.1 9.0 9.0 9.0 9.0 15.1 34.3 24.6 3.2 45.3 10.6	3.8 1.6 25.7 19.0 3.3 35.7 7.3 Recomme 4.5 4.3 29.4 23.0 4.0 4.3 1.7.3	110 5.6 4.7 27.5 20.1 3.1 3.1 8.3 ended 110 6.8 8.8 8.8 8.8 30.8 23.4 3.8 43.7 8.2	0 66 77 51 11 17,7 33
eating cooling eating cooling eating cooling eating cooling eating cooling eating cooling cooling eating cooling cooling	WT PM Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Extraction COP WT PM Total Sensible Power (KW) Heat Rejection EER Total Sensible Power (KW) Heat Rejection EER Total Sensible Power (KW) Heat Rejection EER Total Power (KW) Heat Teriperature remperature rem Minute	1.8 20.2 4.2 4.2 3.8 2.1 37.3 24.2 2.0 4.2 17.8 31.0 2.1 23.8 4.3 4.3 2.1 23.8 4.3 2.1 23.8 4.3 2.1 23.8 4.3 2.1 23.8 4.3 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	1.9 21.6 4.4 60 5.6 6.4 37.9 24.3 1.9 42.1 19.1 32.3 2.1 25.1 4.5 60 6.8 10.7 43.4 28.8 2.2 5.0,7 19.7 43.4 28.8 2.2 5.6 6.8	7.5 12.1 38.1 1.8 4.2 1.8 1.8 42.1 25.9 4.5 9.0 17.9 43.9 29.0 2.1 51.0 20.6 38.1 2.5 29.8 4.5	1.9 233 4.5 3.8 2.1 380 23.9 2.2 41.3 15.7 34.0 2.1 26.7 4.7 4.5 5.1 39.8 27.2 2.6 48.5 15.5 39.4 4.5 39.4 4.6	70 5.6 6.2 38.9 24.2 2.0 41.8 17.0 35.3 2.2 28.0 4.8 10.5 70 6.8 10.5 27.8 2.4 49.4 17.1 41.3 2.5 3.8 4.8	7.5 11.7 37.3 24.2 2.0 42.0 17.7 35.9 2.2 28.5 4.9 9.0 17.5 42.0 28.2 2.3 49.9 42.3 2.6 33.7	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 13.1 43.3 2.6 43.3 43.3 43.3 46.3	28.2 5.0 80 5.6 5.4 35.3 23.8 41.1 14.8 37.5 2.3 30.0 5.0 80 6.8 9.7 47.9 14.5 2.7 47.9 14.5 2.6 45.2 2.6 45.4 45.2 45.2 46.7 47.9 45.2 46	9.3 5.1 7.5 10.2 35.9 23.9 23.9 241.3 15.5 37.8 2.2 30.5 5.0 9.0 16.2 39.7 27.0 2.6 48.4 15.3 46.2 2.6 37.3	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 4.6 36.1 25.3 3.0 46.2 12.0 45.1 2.6 36.3	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 85 6.8 10.0 37.7 26.1 2.8 47.0 2.8 47.0 2.6 38.0	90.9 5.2 7.5 9.9 34.9 23.6 2.3 40.7 14.4 38.3 2.2 30.8 5.1 9.0 15.9 98.3 26.5 2.7 47.7 14.7 14.9 2.7 47.9 2.7 38.9	2.1 29.5 5.1 3.8 1.6 31.8 22.3 2.7 39.0 11.3 38.2 2.2 30.7 5.1 4.5 4.6 34.7 24.8 3.2 45.5 10.9 46.9 2.6 37.9	90 5.6 5.6 5.2 33.3 23.0 2.5 39.9 12.6 38.6 2.2 31.0 5.1 90 6.8 10.4 36.3 25.4 30.3 25.4 30.3 25.4 30.3 25.4 30.3 20.0	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 9.0 15.5 37.1 25.8 2.9 46.9 49.6 2.7	3.8 1.6 28.9 20.9 3.0 37.4 9.2 4.5 4.3 31.9 23.7 3.6 44.2	100 5.6 4.9 30.6 21.9 2.8 38.4 10.4 Opp 100 6.8 9.0 33.5 24.3 3.3 44.8 10.0	9.0 9.0 9.1 9.0 9.0 9.0 9.0 15.1 34.3 24.6 3.2 45.3 10.6	3.8 1.6 25.7 19.0 3.3 35.7 7.3 Recomme 4.5 4.3 29.4 23.0 4.0 4.3 1.7.3	110 5.6 4.7 27.5 20.1 3.1 3.1 8.3 ended 110 6.8 8.8 8.8 8.8 30.8 23.4 3.8 43.7 8.2	0 66 77 51 11 17,7 33

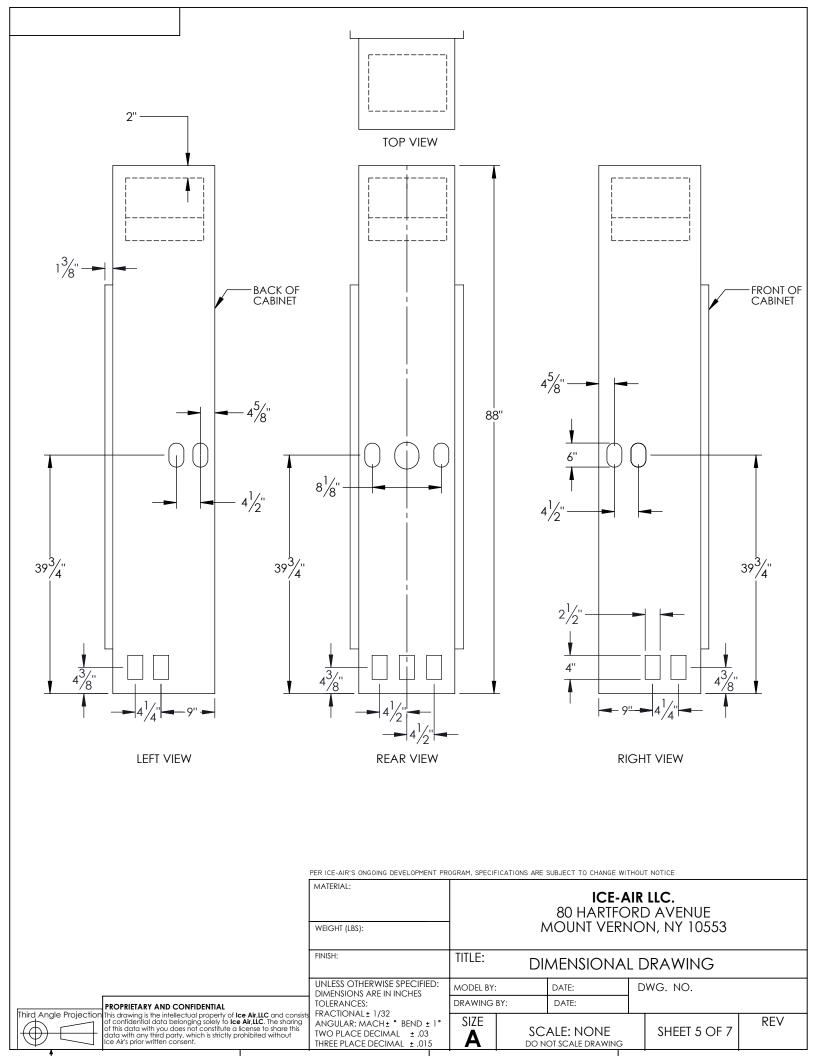


UNIT SIZE	Α	В	С	D	Е
VSHPW-09	16	17	15	18 7/8	18
VSHPW-12	16	17	15	18 7/8	18
VSHPW-15	16	17	15	18 7/8	18
VSHPW-18	18	20	18	20 7/8	19
VSHPW-24	18	20	18	20 7/8	19
VSHPW-30	22	24	22	24 7/8	20
VSHPW-36	22	24	22	24 7/8	20

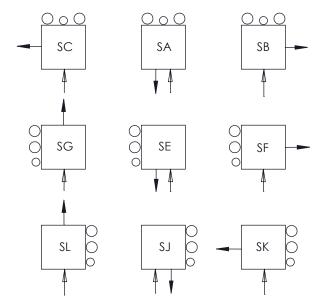
Third Angle Projection

PER ICE-AIR'S ONGOING DEVELOPMENT PROGRAM, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

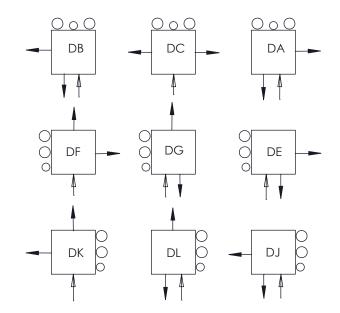
FER ICE-AIR S UNGUING DEVELOPPENT PROGRAM, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE								
	ICE-AIR LLC. 80 HARTFORD AVENUE MOUNT VERNON, NY 10553							
FINISH:			TITLE: VERTICAL STACK WATER SOURCE HEAT PUMP (VSHPW)					
	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES	MODEL BY:		DATE:	D	WG. NO.		
—	TOLERANCES:	DRAWING I	BY:	DATE:				
CE-AIR, LLC. IT MAY NOT BE REPRODUCED, DUPLICATED OR OTHERWISE COPIED WITHOUT	FRACTIONAL ± 1/32 ANGULAR: MACH ± ° BEND ± 1° TWO PLACE DECIMAL ± .03 THREE PLACE DECIMAL ± .015	SIZE A		ALE: NONE DT SCALE DRAWING	G	SHEET 4 OF 7	REV	
,								



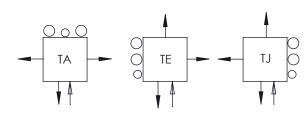
SINGLE SUPPLY



DOUBLE SUPPLY



TRIPLE SUPPLY





- Notes:

 1. The Riser Compartment is defined as being the rear of each unit Supply air grilles and return/access panel can be any side except rear 2. Return air location also denotes the control location and service
- access.

 3. Single discharge openings are not recomended for sizes 30-36.
- Triple discharge openings are not recomended for sizes 09, 12

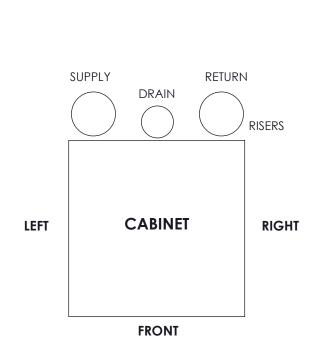


- 1) DIMENSIONS ARE IN INCHES
 2) ALL DIMENSIONS ARE +/- 1/4"
 3) DISCHARGE GRILLES ARE SHIPPED LOOSE FOR FIELD INSTALLATION
 4) CONSTRUCTION IS ROLL FORMED ALUMINUM FRAME BLADES
 5) STANDARD FINISH IS "POWDER COATED" AND WILL BE THE SAME
 COLOR AS THE RETURN GRILLE
 1) ACQUIRING HARDWARE BILLE

- 6) MOUNTING HARDWARE INCLUDED

PER ICE-AIR'S ONGOING DEVELOPMENT PROGRAM, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

 ER TOE AIR O CHOCHTO DETECTION THE	COTTAIN, OF ECT	TOATTOTIO AILE	CODOLOT TO STATE WIT	1100	1 110 1102			
MATERIAL:	ICE-AIR LLC. 80 HARTFORD AVENUE							
WEIGHT (LBS):	MOUNT VERNON, NY 10553							
FINISH:	TITLE: DIMENSIONAL DRAWING							
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES	MODEL BY: DATE: DWG. NO.		WG. NO.					
TOLERANCES:	DRAWING	BY:	DATE:					
FRACTIONAL ± 1/32 ANGULAR: MACH ± ° BEND ± 1° TWO PLACE DECIMAL ± .03 THREE PLACE DECIMAL ± .015	SIZE		ALE: NONE		SHEET 6 OF 7	REV		



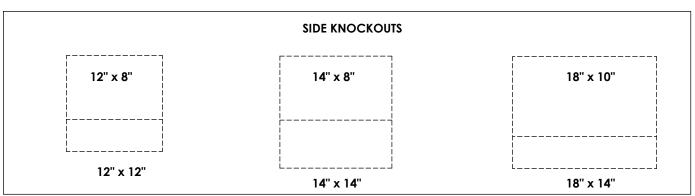
Third Angle Projection

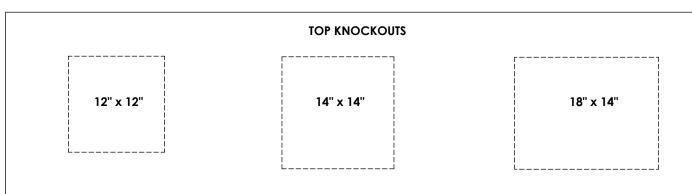
PROPRIETARY AND CONFIDENTIAL INJENIETANI AND CONTIDENNIAL

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data with any third party, which is strictly prohibited without
Ice Air's prior written consent.

omittal Template VSHPW

		SINGLE DISCHARGE	DOUBLE DISCHARGE	TRIPLE DISCHARGE	TOP DISCHARGE	
UNIT	SPEED	12" x	12" x	12" x	12" x 12"	
		12"	8"	8"	12 X 12	
8VSHPW09	HIGH	_ X	X	NR	Х	
OV SHI WU7	LOW	^	^			
8VSHPW12	HIGH	_ X	X	NR	Х	
OV SHI WIZ	LOW	^	^	INK	^	
8VSHPW15	HIGH	- x	X	Х	Χ	
OVSHEWIS	LOW	^	^	^	^	
		SINGLE DISCHARGE	DOUBLE DISCHARGE	TRIPLE DISCHARGE	TOP DISCHARGE	
UNIT	SPEED	14" x	14" x	14" x	14" x 14"	
	3F EED	14"	8"	8''	14 X 14	
8VSHPW18	HIGH	_ X	X	Х	Χ	
O A SUL MATO	LOW	^	^	^	^	
8VSHPW24	HIGH	_ X	X	X	Χ	
	LOW	^	^	^	^	
		SINGLE DISCHARGE	DOUBLE DISCHARGE	TRIPLE DISCHARGE	TOP DISCHARGE	
UNIT	SPEED	18" x	18" x	18" x	18" x 14"	
	SLEED	14"	10"	10"	10 X 14	
8VSHPW30	HIGH	NR	X	X	Χ	
O V SIII W SU	LOW	1416	^	^	^	
8VSHPW36	HIGH	NR	X	X	X	
0 4 3111 11 30	I OW	LAIX	^	^		





GRILLE SIZES
12" x 8"
12" x 12"
14" x 8"
14" x 14"
18" x 10"
18" x 14"

	MATERIAL:	ICE-AIR LLC. 80 HARTFORD AVENUE						
	WEIGHT (LBS):	MOUNT VERNON, NY 10553						
	FINISH:	TITLE:	TITLE: GRILLE CHART					
	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES	MODEL BY:		DATE:	D	DWG. NO.		
	TOLERANCES:	DRAWING	BY:	DATE:				
ists J	FRACTIONAL ± 1/32 ANGULAR: MACH ± ° BEND ± 1° TWO PLACE DECIMAL ± .03	SIZE A		ALE: NONE		SHEET 7 OF 7	REV	

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