



MULTISTACK®

1065 Maple Avenue
Sparta, WI 54656
(608) 366-2400

Water-to-Water Heat Pump

Catalog Supplement



Models

- MS20C4_R
- MS30C5_R
- MS50B4_R
- MS50Z6_R

leaving hot water temp.	MS20C4 Leaving Source Water Temperature																	
	30			35			40			45			50			55		
	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP
100	236.9	17.2	4	257.5	17.3	4.4	279.6	17.4	4.7	303.1	17.5	5.1	328	17.6	5.5	354.4	17.7	5.9
105	235	18.3	3.8	255.2	18.4	4.1	276.8	18.5	4.4	299.8	18.6	4.7	324.2	18.7	5.1	350	18.7	5.5
110	233.1	19.4	3.5	252.9	19.5	3.8	274	19.6	4.1	296.5	19.7	4.4	320.4	19.8	4.7	345.8	19.9	5.1
115	231.3	20.6	3.3	250.7	20.7	3.5	271.3	20.8	3.8	293.4	20.9	4.1	316.8	21	4.4	341.5	21	4.8
120	229.6	21.8	3.1	248.5	21.9	3.3	268.7	22	3.6	290.3	22.1	3.8	313.1	22.2	4.1	337.4	22.3	4.4
125	228	23.2	2.9	246.5	23.3	3.1	266.2	23.4	3.3	287.3	23.5	3.6	309.6	23.5	3.9	333.3	23.6	4.1
130				244.5	24.7	2.9	263.8	24.8	3.1	284.3	24.9	3.4	306.2	24.9	3.6	329.3	25	3.9

leaving hot water temp.	MS30C5 Leaving Source Water Temperature																	
	30			35			40			45			50			55		
	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP
100	348.2	25.3	4	379.2	25.5	4.4	412.2	25.6	4.7	447.4	25.8	5.1	484.7	25.9	5.5	524.2	26	5.9
105	344.9	26.8	3.8	375.3	26.9	4.1	407.7	27.1	4.4	442.1	27.2	4.8	478.7	27.4	5.1	517.4	27.5	5.5
110	341.8	28.3	3.5	371.5	28.5	3.8	403.3	28.7	4.1	437	28.8	4.4	472.9	29	4.8	510.8	29.1	5.1
115	338.9	29.9	3.3	368	30.1	3.6	399.1	30.3	3.9	432.1	30.5	4.2	467.2	30.6	4.5	504.4	30.8	4.8
120	336.2	31.6	3.1	364.7	31.9	3.4	395.1	32.1	3.6	427.4	32.2	3.9	461.8	32.4	4.2	498.1	32.5	4.5
125	333.7	33.5	2.9	361.6	33.7	3.1	391.3	33.9	3.4	422.9	34.1	3.6	456.5	34.3	3.9	492	34.4	4.2
130				358.7	35.6	3	387.7	35.8	3.2	418.6	36	3.4	451.4	36.2	3.7	486.2	36.4	3.9

leaving hot water temp.	MS50B4 Leaving Source Water Temperature																	
	30			35			40			45			50			55		
	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP
100	522.6	43.4	3.5	590	46.6	3.7	656.7	49.8	3.9	723.6	53.1	4	783.8	55.8	4.1	865.9	56.5	4.5
105	508.3	44.3	3.4	575.3	47.5	3.6	641.6	50.8	3.7	709.2	54.2	3.8	770.2	56.8	4	847.3	57.8	4.3
110	493.3	45	3.2	553	47.9	3.4	615	50.9	3.5	681.9	54.5	3.7	747.8	57.2	3.8	822.2	58.6	4.1
115	477.4	45.6	3.1	532.3	48.5	3.2	591.2	51.4	3.4	655.8	54.8	3.5	724	57.6	3.7	795.6	59.7	3.9
120				515.2	49.1	3.1	573.1	52.2	3.2	634.3	55.3	3.4	700.9	58.3	3.5	772.5	61.2	3.7
125				497.2	49.5	2.9	554.1	52.8	3.1	614.6	56.2	3.2	679	59.4	3.3	748.9	62.6	3.5
130										594.2	57	3.1	657.6	60.3	3.2	725.5	63.8	3.3

leaving hot water temp.	MS50Z6 Leaving Source Water Temperature																	
	30			35			40			45			50			55		
	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP	MBH	kW	COP
100	579.6	39	4.4	630.2	39.3	4.7	684.8	39.7	5.1	743.7	40.1	5.4	807.4	40.6	5.8	876	41.3	6.2
105	574.4	41.1	4.1	624.1	41.4	4.4	677.6	41.7	4.8	735.2	42.1	5.1	797.4	42.6	5.5	864.4	43.1	5.9
110	570	43.2	3.9	618.4	43.6	4.2	670.7	43.9	4.5	727.1	44.3	4.8	787.9	44.7	5.2	853.3	45.2	5.5
115	565.6	45.5	3.6	613.1	45.9	3.9	664.2	46.2	4.2	719.4	46.6	4.5	778.8	47	4.9	842.8	47.4	5.2
120	561.6	47.8	3.4	608.1	48.3	3.7	658.2	48.7	4	712.1	49	4.3	770.2	49.4	4.6	832.8	49.8	4.9
125				603.5	50.8	3.5	652.6	51.2	3.7	705.4	51.6	4	762.3	52	4.3	823.4	52.4	4.6
130				599.5	53.4	3.3	647.6	53.9	3.5	699.3	54.4	3.8	754.9	54.8	4	814.6	55.2	4.3

DATE	REVISION	BY
		A
		B
		C

3-18-2002	SOURCE/SINK ENTERING & LEAVING WERE SWAPPED	KOMPEROD
1-28-03	REVISED TEXT	ERDMANN
5-18-04	REVISED TEXT	PRUSS

MULTISTACK
A MEMBER OF MAROUK HOLDING CORP.
West Salem, Wisconsin 54669
ALL DIMENSIONS IN INCHES / DO NOT SCALE DRAWINGS

SIMILAR TO: _____ FIRST USED ON ASSY NO: _____ STD ENGR SPEC: _____

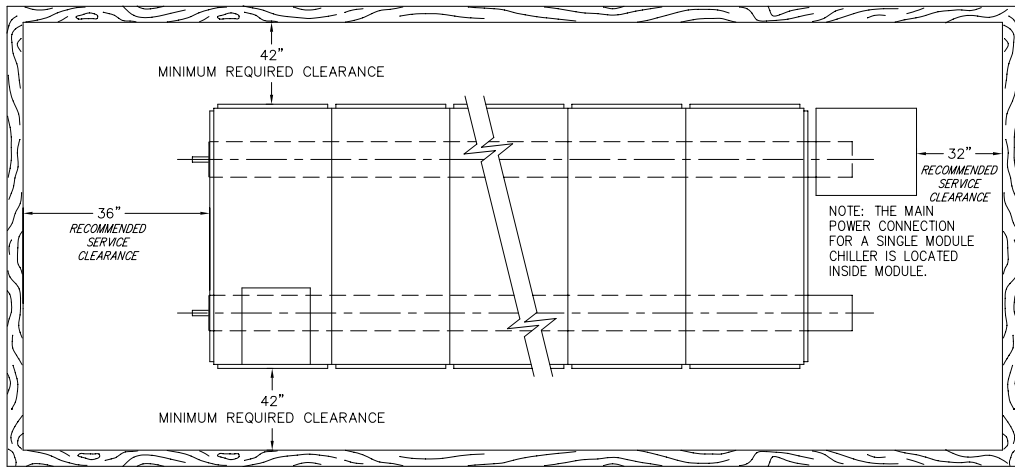
DRAWN BY: MWK CHECKED BY: _____ ENGR. APPR. DATE: _____ DATE: 6-25-2001

C 1000-2279 C

SUBMITTAL: HEAT PUMP
MS50B1
MS30C1/C2
MS20C1

SCALE: NONE

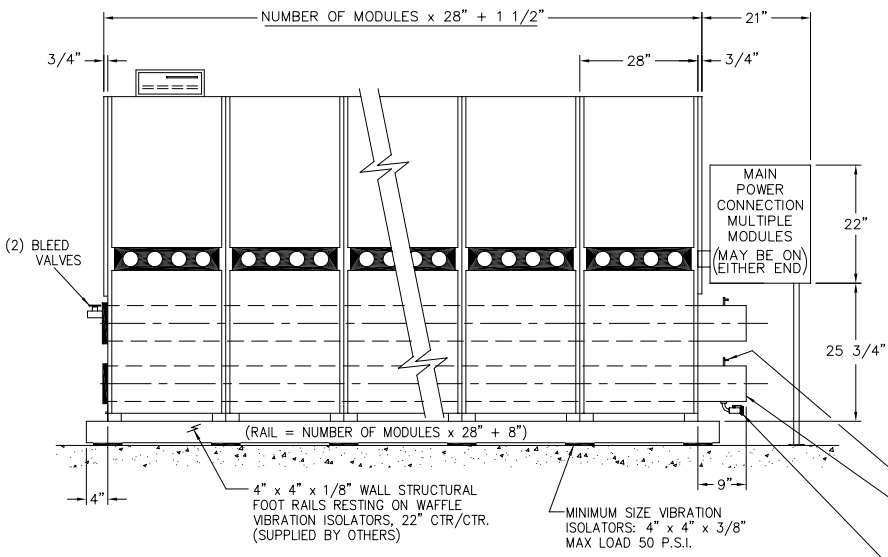
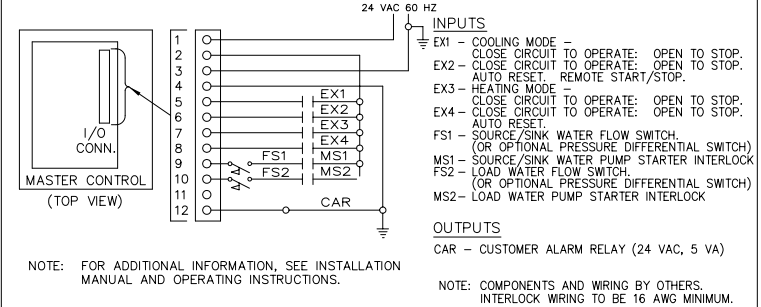
PLAN VIEW



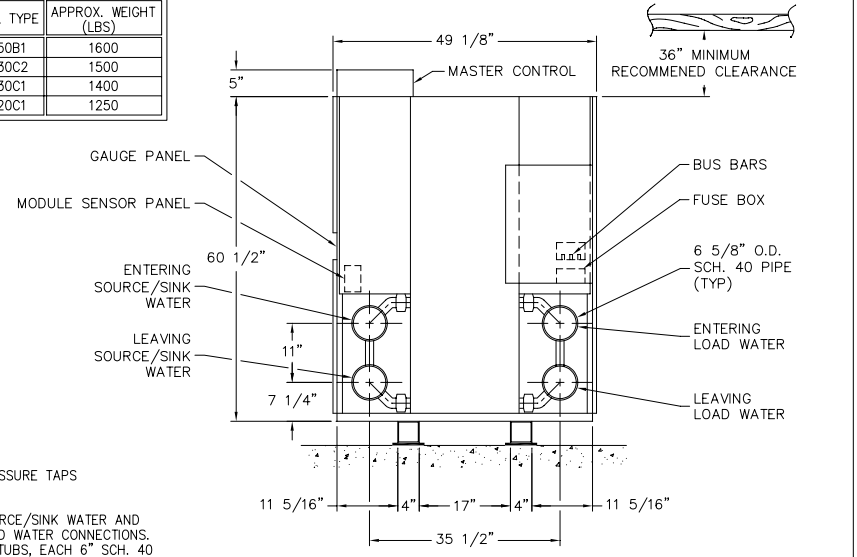
CUSTOMER: _____
JOB: _____
SALES ORDER NO.: _____
SALES REP: _____

CONTRACTOR: _____
ENGINEER: _____
NOTES: _____

COMPUTER POWER & EXTERNAL I/O CONNECTIONS



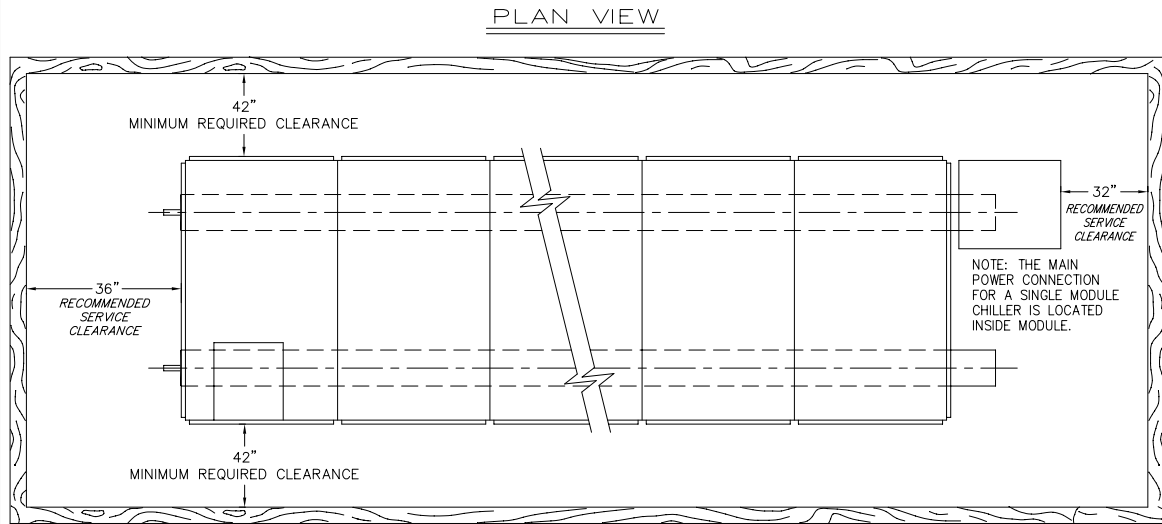
MODEL TYPE	APPROX. WEIGHT (LBS)
MS 50B1	1600
MS 30C2	1500
MS 30C1	1400
MS 20C1	1250



FRONT ELEVATION

END ELEVATION

REISSUE		A					C	500-0056	A
DATE		REVISION BY		West Salem, Wisconsin 54669			SUBMITTAL		
F		D		ALL DIMENSIONS IN INCHES / DO NOT SCALE DRAWINGS			HEAT PUMP		
6-2-2004		PRUSS		SIMILAR TO:			MS50Z		
				FIRST USED ON ASSY NO:			STD ENGR SPEC		
				DRAWN BY: MWK			SCALE: NONE		
				DATE: 10-7-2003					
				CHECKED BY:					
				ENGR. APPR. DATE:					



CUSTOMER:
 JOB:
 SALES ORDER NO.:
 SALES REP:
 CONTRACTOR:
 ENGINEER:
 NOTES:

