

**GALGOWSKI HOUSE - ESTIMATED PERCENTAGE OF HEAT LOAD ABOVE LOWEST OUPUT OF HEAT PUMPS FOR MITSUBISHI HYPER HEAT MXZ-3C30NAHZ-1 AND MXZ-3C240NAHZ-1**

System 1 Heat Pump, Without System 2 Installed			System 2 Heat Pump, With System 1 Running			System 1 + 2 Heat Pumps, Both Running Together		
Mitsubishi Compressor Hyper Ht MXZ-3C30NAHZ-1, Range 7,200 BTUH Lowest, 28,600 BTUH - 5D			Mitsubishi Compressor Hyper Ht MXZ-3C24NAHZ-1, Range 7,200 BTUH Lowest, 25,000 BTUH - 5D					
Turn down ratio = 7,200/28,600 = 25 %, Very Good			Turn down ratio = 7,200/25,000 = 29 %, Very Good			Max Capacity / Peak Load = (28,600 + 25,000)/33,000 = <b>1.62,</b>		
<u>Room</u>	<u>Area (SF)</u>	<u>Manual J Design SenLoss 6 deg (BTUH)</u>	<u>Room</u>	<u>Area (SF)</u>	<u>Manual J Design SenLoss 6 deg (BTUH)</u>	<u>Room</u>	<u>Area (SF)</u>	<u>J Design SenLoss 6 deg (BTUH)</u>
2/3 Fut Mech Ventilation		1,224	1/3 Fut Mech Ventilation		612	Fut Mech Ventilation		1,836
DS_Great Rm	499	7,310	DS_Great Rm	0	0	1-1_Great	499	7,310
DS_Studio	250	3,728	DS_Studio	0	0	2-1_Studio	250	3,728
DS_Bath	113	912	DS_Bath	0	0	3-1_Bath	113	912
DS_Laundry	108	1,174	DS_Laundry	0	0	4-1_Laundry	108	1,174
DS_Office	0	2,277	DS_Office	122	2,277	5-1_Office	122	2,277
1/2 DS_Kitchen	111	3,329	1/2 DS_Kitchen	111	1,665	6-1_Kitchen	221	3,329
US_MasBed	260	4,080	US_MasBed	260	0	7-2_MasBed	260	4,080
US_MasClo	68	1,389	US_MasClo	68	0	8-2_MasClo	68	1,389
US_MasBath	64	920	US_1/2 MasBath	64	460	9-2_MasBath	64	920
US_NE_Bed	0	0	US_NE_Bed	182	2,845	10-2_NE_Bed	182	2,845
US_SE_Bed	0	0	US_SE_Bed	228	3,200	11-2_SE_Bed	228	3,200
Totals	1,473	26,343	Totals	1,035	11,059	Totals	2,115	33,000
Outside Temperature at 7,200 BTUH Load =		51	Outside Temperature at 7,200 BTUH Load =		28	Outside Temperature at <b>14,400</b> BTUH Load =		41
Bradley Field 65 Base Deg Days =		5,978	Bradley Field 65 Base Deg Days =		5,978	Bradley Field 65 Base Deg Days =		5,978
Bradley 51 Base Deg Days =		2,961	Bradley 28 Base Deg Days =		395	Bradley 21 Base Deg Days =		1,460
Percentage of Heat Load Above 51 D =		50%	Percentage of Heat Load Above 28 D =		93%	Percentage of Heat Load Above 41 D =		76%