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<b>Job Name:</b>	The Angeline Bldg 1	<b>Job Number:</b>	250214-001
<b>Controller Type:</b>	AC	<b>Sub Type:</b>	Gearless MRL
<b>Car:</b>	1	<b>Date Generated</b>	2/18/2025
<b>Car Capacity:</b>	2500 LBS	<b>Contract Speed:</b>	200 FPM

Parameters

<b>Main Line Voltage:</b>	208 VAC	<b>Min. Iso Transformer:</b>	0 KVA
<b>Motor Efficiency:</b>	85 %	<b>Control Transformer:</b>	1.00 KVA
<b>Motor HP:</b>	10.45 HP	<b>DBR/Regen Power:</b>	4630 Watts
<b>Motor Voltage:</b>	165 VAC		
<b>Motor FL Amps:</b>	43.00 A	<b>Duty Cycle:</b>	4.00 %
<b>AC Inv. Drive Power:</b>	550.00 W		

Car Current Load (Amps) - For Disconnect Sizing

	<b>Full Speed</b>
<b>Drive Input Amps:</b>	34.12
<b>Control Transformer:</b>	4.81
<b>Power Input Current:</b>	39 Amps

Car Heat Load (BTU/HR) - For HVAC Sizing

	<b>Peak Load</b>	<b>Duty Cycle</b>	<b>Continuous Load</b>
<b>Drive:</b>	1877	8 %	150
<b>DBR/Regen Heat:</b>	27297	8 %	2184
<b>Control Transformer:</b>	3412	8 %	273
<b>Isolation Transformer:</b>	0	8 %	0
<b>Motor:</b>	7977	8 %	638
<b>Brake:</b>	571	8 %	46
<b>Emergency Brake:</b>	401	8 %	32
	<b>Total:</b>		<b>3323 BTU/HR</b>

This power report is an estimate based on information provided to Smartrise Engineering, Inc. to assist in sizing the Machine Room HVAC system, Main Line Disconnect, and Backup Generator. Assumptions are made when information is not available. Smartrise Engineering, Inc. does not guarantee that the report calculations will reflect the actual conditions in the field.

NOTE: Heat Load is calculated based on the assumption that the HVAC system is NOT cooling the Hoistway .