ELECTRICAL MOTOR SIZING REPORT

PROJECT INFORMATION

Project Name:	Industrial Motor Control Panel
Engineer:	John Smith, PE
Date:	2025-11-29 05:00
Report ID:	MOT-20251129_050029
Application:	N/A

MOTOR SPECIFICATION SUMMARY

Parameter	Value	Unit
Required Power	N/A	HP
Voltage	208	Volts
Efficiency Class	N/A	
Full Load Current (FLA)	N/A	Amps
Locked Rotor Current (LRC)	N/A	Amps
Service Factor	N/A	
NEMA Frame	N/A	
Annual Operating Cost	$0.00	USD

ENERGY CONSUMPTION ANALYSIS

Parameter	Value	Unit
Efficiency	N/A	%
Power Factor	N/A	
Annual Energy Consumption	0	kWh
Operating Hours/Year	0	Hours
Energy Cost/kWh	$0.12	USD
Total Annual Cost	$0.00	USD

RECOMMENDED MOTOR PRODUCTS

SIEMENS Motors

Part Number	Model	Price	Efficiency	Availability
1FK7022-5AK71-1QG0	N/A	$2850.00	N/A%	In Stock

ABB Motors

Part Number	Model	Price	Efficiency	Availability
M3BP 132SMA 4	N/A	$2650.00	N/A%	In Stock

INSTALLATION REQUIREMENTS

- Ensure proper motor mounting per manufacturer specifications
- Provide adequate ventilation for cooling (minimum 3 feet clearance)
- Install proper motor protection devices (overload relays, circuit breakers)
- Verify power supply voltage and phase matches motor requirements
- Implement proper grounding per NEC Article 250
- Consider harmonic mitigation for VFD applications
- Plan for maintenance access and shaft alignment