MOTOR INFORMATION SHEET

DRIVEN EQUIPMENT DATA

Name	Boom Slew		
ID(s)	KKS code :00EAA10AE055,56, 00EAA20AE055,56		
Manufacturer	SIEMENS		
Driven Equip Max Brake Load	640N・m	Horsepower (hp) or kW at Design Conditions	37kW

MOTOR DATA – ALL MOTORS (check choices)

☐ Horizontal, Foot mount	☑ Vertical, Foot mount	☑ Induction	☐ Synchronous					
Manufacturer	SIEMENS							
Model	Low voltage squirrel cage induction motor (VVVF Drive Motor)							
Outline/Wiring/Connection Drawing Numbers	TJB56-L3-OFF-C-EAA-E-DRD-0180							
Design Standard*	IEC standard	Nameplate: Volts	400V Class	Phase	3	Hz	48.6	
For NEMA Motors - Nameplate hp	NA	Service Factor	1.0					
Locked-Rotor Code Letter	NA	NEMA Design Letter	NA					
For IEC Motors - Nameplate kW	37							
Max Continuous Voltage (rated frequency)	NA	Min Continuous Voltage (rated frequency)	NA					
Duty Type:	☑ Continuous	☐ Definite Time (minutes)		Full Load Speed (rpm)	982			
Full Load Current at Rated hp or kW (amps)	74A, 37KW							
Locked-Rotor Current (amps)	444A	locked rotor current / current nominal=6						
NEMA or IEC Enclosure	IP56(IEC)	Frame Size	250M					
IEC Cooling (IC Code)	IC416	IEC Mounting (IM Code)	IM V1					
Design Ambient Temperature (°C)	40	Insulation System Class	Class-F, B rise					
Temp Rise by Resistance (at service factor load) for NEMA Motor (°C)	NA							
Space Heaters (SP) Furnished?	☑ Yes	☐ No	Total SP Watts Load:	92W	Volts	AC230	Phase	1
Bearings: Type	DE : 6315 C3, NDE : 6315 C3 , Grease replenishment type							
	Lubrication Type	Bottom head (Unirex N3)	System	Individual manual				
	ABMA L-10 Rating Life, Not Less than	8,000	Hours					
	Connection: (check one)	☑ Direct	☐ Belt	☐ Chain				
Overall Mean No-Load Sound Pressure Level, re micro-pascals (0.0002 microbar), Reference Distance of 3 Feet	NA	Free Air						
Total Motor Weight (lb)	370kg (Net weight)	Is Motor Reversible?	☑Yes	☐ No				
Multi-Connectable Motors: (check choices) NA	☐ Part Winding	☐ Star-Delta	☐ Variable Torque	☐ Constant Torque				
	☐ Constant Horsepower	☐ PAM	☐ Two Winding	☐ One Winding				
	☐ Other							
rpm		FL Amps		LR Amps		rpm		FL Amps		LR Amps	
rpm		FL Amps		LR Amps		rpm		FL Amps		LR Amps	
For Motors in Hazardous Locations: Motor Enclosure Maximum Surface Temperature (°C)	NA							
Will Motor Contain a Surface Temperature Control Thermostat Requiring Connection into the Motor Starter Control Circuit?	☐Yes	☑ No						
Motor Full-Load Efficiency as Defined by NEMA MG-1-2006 Tables 12-10, 12-11, and 12-12: (check one)	☐ Normal Efficiency IE1(IEC)	☑ Energy Efficient IE2(IEC)	☐ Premium Efficiency IE3(IEC)					
	Full Load Nominal Efficiency Rating	NA						

*NEMA, IEC, etc.

Painting specification : C5 or equivalent.

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ADDITIONAL MOTOR DATA TO BE SUBMITTED

Motors 100 hp (75 kW) and Larger and for All Motors Rated Above 1000 Volts NA

Efficiency, Percent Guaranteed, Load: 1/2	93.1	3/4	93.1	4/4	93.2
Power Factor, Percent Guaranteed, Load: 1/2	0.72	3/4	0.80	4/4	0.83
Power Factor at Locked Rotor Current	0.83				
Minimum Starting Voltage in Percent of Rated Voltage: Calculated	NA		Specified	NA	

Accelerating Time:

At Rated Voltage (seconds)	NA
At Minimum Specified Starting Voltage (seconds)	NA

Locked-Rotor Safe Stalled Time (seconds):

	Rated Voltage		Minimum Specified Starting Voltage
Motor Initially at Maximum Specified Ambient Temperature (Cold)	NA		NA
Motor Initially at Service Factor Load Operating Temperature (Hot)	NA		NA

For All Motors Rated Above 1000 Volts NA

Current and Torque Versus Speed Curves at Maximum, Rated, and Minimum Specified Starting Voltage.							
Drawing Number							(Attach curves.*)
Power Factor and Efficiency Versus Speed Curves at Rated Voltage.							
Drawing Number							(Attach curves.*)
Current Versus Time Curves at Maximum, Rated, and Minimum Specified Starting Voltage.							
Drawing Number							(Attach curves.*)
Locked-Rotor Thermal Limit Curves (current versus time), Curves in Both Cold and Hot Operating Conditions, and Stator Running Thermal Overload Curves at Rated Voltage.							
Drawing Number							(Attach curves.*)
Torque in: (check one)	☐ lb-ft	☐ N-meter					
Locked-Rotor Torque		Pull-up Torque		Breakdown Torque			
Inertia in: (check one)	☐ lb-ft2	☐ GD2					
Motor Rated		Motor Rotor		Driven Equipment		Coupling	
Temperature Alarms and Trips for Motors Equipped with Sensors:							
Stator Winding RTD	Alarm (°C)		Trip (°C)				
Bearing Temperature	Alarm (°C)		Trip (°C)				
Motor Subtransient Reactance		Motor Open Circuit Time Constant					
Short-Circuit Time Constant		Starting Power Factor					

Number of Successive Starts: NA (VVVF drive motor)

	At Rated Voltage
Motor Initially at Maximum Specified Ambient Temperature (cold with driven equipment connected), number	
Motor at Rated Temperature Rise Prior to Starting (hot with motor coupled), number	
Cooling Period Required After Completion of the Preceding Maximum Number of Successive Starts Before Making Additional Starts, minutes	
Motor Stopped Cooling Time Constant, minutes	
Motor Running Cooling Time Constant, minutes	

List of Drawings and Specifications:

Lubrication Oils and Greases, drawings	NA
External Fluid Circuits for Bearing Cooling, drawings	NA
External Fluid Circuits for Stator Cooling, drawings	NA

*Submit tabulated data with curves for high inertia loads.