MOTOR INFORMATION SHEET

DRIVEN EQUIPMENT DATA

Name	Boom Luffing Hydraulic Pump		
ID(s)	KKS code : 00EAA10AE060, 00EAA20AE060		
Manufacturer	FUJI ELECTRIC		
Driven Equip Max Brake Load	NA	Horsepower (hp) or kW at Design Conditions	90kW

MOTOR DATA – ALL MOTORS (check choices)

☐ Horizontal	☑ Vertical, Flange mount	☑ Induction	☐ Synchronous						
Manufacturer	FUJI ELECTRIC								
Model	Low voltage squirrel cage induction motor								
Outline/Wiring/Connection Drawing Numbers	TJB56-L3-OFF-C-EAA-E-DRD-0180								
Design Standard*	IEC standard	Nameplate: Volts	380	Phase	3	Hz	50		
For NEMA Motors - Nameplate hp	NA	Service Factor	1.0						
Locked-Rotor Code Letter	NA	NEMA Design Letter	NA						
For IEC Motors - Nameplate kW	90								
Max Continuous Voltage (rated frequency)	418	Min Continuous Voltage (rated frequency)	342						
Duty Type:	☑ Continuous	☐ Definite Time (minutes)		Full Load Speed (rpm)	1475				
Full Load Current at Rated hp or kW (amps)	158A, 90kW								
Locked-Rotor Current (amps)	NA								
NEMA or IEC Enclosure	IP55	Frame Size	280M						
IEC Cooling (IC Code)	IC411	IEC Mounting (IM Code)	IMV1						
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:	80W	Volts	AC220	Phase	1	
Bearings: Type	DE : 6320, NDE : 6317 , Grease replenishment type								
	Lubrication Type	Bottun Head (ALVANIA RL2)	System	Individual manual					
	ABMA L-10 Rating Life, Not Less than	2,000	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)	780kg	Is Motor Reversible?	☐ Yes	☑ No					
Multi-Connectable (check choices) Motors: 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 : C4 or equivalent.

Name	Boom Luffing Hydraulic Pump
ID(s)	KKS code : 00EAA10AE060, 00EAA20AE060

ADDITIONAL MOTOR DATA TO BE SUBMITTED

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

Efficiency, Percent Guaranteed, Load: 1/2		3/4		4/4	
Power Factor, Percent Guaranteed, Load: 1/2		3/4		4/4	
Power Factor at Locked Rotor Current					
Minimum Starting Voltage in Percent of Rated Voltage: Calculated	90%		Specified	90%	

Accelerating Time:

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

Locked-Rotor Safe Stalled Time (seconds):

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

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:

	At Rated Voltage
Motor Initially at Maximum Specified Ambient Temperature (cold with driven equipment connected), number	3 times
Motor at Rated Temperature Rise Prior to Starting (hot with motor coupled), number	2 times
Cooling Period Required After Completion of the Preceding Maximum Number of Successive Starts Before Making Additional Starts, minutes	
Motor Stopped Cooling Time Constant, minutes	NA
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.