Gear Motor Application Data Sheet

Date:

Customer Name: Project #:

Application: Requested By:

Application Type: ☐ Lifting ☒ Linear ☐ Rotary ☐ Other

Application Data for Gear Motor Calculation

Load Weight	0	lbs
Dead Weight	20,000	lbs
Counter Weight (lifting only)	N/A	lbs
Coefficient of Friction		μ
Speed	30	ft/min
Required Starts per Hour	1	S/H
Positioning Accuracy	N/A*	inches
Travel Distance		ft
Travel Time		sec
Daily Time in Motion		hours
Efficiency of Drive System		%
Rotational Speed of Load		RPM
Torque Required (rotary)		lb-ft
External Inertia		lb-ft2
Mounting Position	☐Horizontal	☐Vertical Shaft up ☐ Vertical Shaft Down
Voltage/Phase/Frequency	460 V/ 3 Ph/ 60 Hz	
Inverter Duty?	☒ Yes	☐ No
If Yes, AC brake supply voltage	460 V	
Ambient Temperature		F
Altitude		ft
Outdoor/Splashdown Operation	☐ Yes	☐ No

Gearbox Data

Style	☐Inline	☒Offset	☐Right Angle
Output Shaft Type	☒Solid Key	☐Hollow Key	☐Hollow Splined
Mounting Style	☐Foot	☒Flange	☐Shaft

Additional Transmission Element (ie.sprocket)	☐Yes	☐ No
If Yes, Diameter of Element	Inches	
Is it Centered on output shaft?	☐ Yes	☐ No
If No, location on output shaft	Inches	

Additional Options Required

☒ Thermistors	☐ Bi-Metallic Thermal Switch	☐IP55 Protection
☒Manual Brake Release	☐ Pulse Generator	☐External Fan
☐Other		

Note 1: Bold-faced items minimum information required for preliminary gear motor selection

Note 2: Please supply any additional information needed. (i.e. Drawings, detailed application description)

* Roof positioning handled by 2-wire controls & limit switches.

Wheel Block Application Data Sheet

Date:

Customer Name: Project #:

Application: Requested By:

Application Type: ☐ Transfer Car ☐ Bridge Drive ☐ Trolley Drive ☒ Other

Application Data for System Calculation

Load Weight	0	lbs
Dead Weight	20,000	lbs
Max Travel Speed	30	ft/min
Min Travel Speed		ft/min
Move Forward with -Backward without Load	☐ Yes	☐ No
Required Starts per Hour		S/H
Positioning Accuracy		inches
Travel Distance		ft
Travel Time		sec
Daily Time in Motion		hours
Number of Wheels/Driven Wheels	4 / 2	Per Roof
Wheel Diameter		inches
Number of Gear Motors		
Wheel Style	☐Double Flange ☐No Flange	☐ Single Flange ☐Other
Connection Style	☐ Top ☐ Pin	☐ Side ☐ End
Rail Flush with the Floor	☐ Yes	☒ No
Rail Head Dimension		inches
Distance between Rail Centers		inches
Running Surface Concrete	☐ Yes	☐ No
Travel Path Inclined	☐ Yes	☐ No
If Yes, Angle of Incline		degrees
Wind Strength		lbs
Additional Forces		lbs
Gearbox Style	☒Offset	☐Right Angle
Voltage/Phase/Frequency	460 V/ 3 Ph/ 60 Hz	
Inverter Duty?	☒ Yes	☐ No
If Yes, AC brake supply voltage	460 V	
Ambient Temperature		F
Altitude		ft
Outdoor/Splashdown Operation	☐ Yes	☐ No

Additional Options Required

☒ Thermistors ☐ Bi-Metallic Thermal Switch ☐IP55 Protection
☒Manual Brake Release ☐ Pulse Generator ☐External Fan
☐Other

Note 1: Bold faced items minimum information required for preliminary wheel system sizing

Note 2: Please supply any additional information needed. (i.e. Drawings, detailed application description)