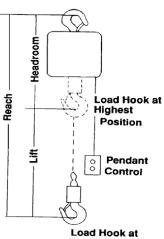
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## **Hoist Lifting Considerations**

To select the proper hoist, consider:

- A. The weight of the load to be lifted including below-the-hook lifting, load supporting and positioning devices.
- B. Physical size of the load.
- C. Lift the vertical distance the load can be moved.
- D. Clearance Considerations.
- E. Lifting Speed Considerations.
- F. Hoist duty Cycle Considerations based on:
  - 1. Number of lifts per hour
  - 2. Total number of lifts per shift
  - 3. Maximum number of starts and stops per hour
  - 4. Number of shifts per day
  - What is the application?
  - What is the capacity required?
  - How long is the lift (in feet)?
  - What is the headroom requirement?
  - What lifting speed is required?
  - Do you require a single-speed, two-speed or Variable Frequency Drive electric hoist?
  - What type of suspension? (rigid hook, swivel hook, lug mount, plain, geared or motor driven trolley)?
  - What trolley speed is required?
  - Is a trolley brake required?
  - What size beam will the trolley operate on?
  - How will the hoist be powered (air, electric, cord reel, conductor bar, festoon, etc.)?
  - What voltage is required? Special electrification needs?
  - What length of pendant cord is required?
  - What control function is required?
  - Is a chain container required?
  - What style of hook?
  - Will the hoist be used under unusual environmental conditions (weatherproofing, acid, heat, or other)?



Load Hook at Lowest Position