



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)?

