

# EMH Wire Rope Hoists

## Dimensions and Specifications

**Hoist Model: EM 1000D**  
**Trolley Type: Top Running for Double Girder Cranes**

**Reeving: 4 to 1**

**Capacities: 5 tons**

|                                  |                        |
|----------------------------------|------------------------|
| <b>Rope Diameter:</b>            | 8 mm                   |
| <b>Drum Diameter:</b>            | 6.75"                  |
| <b>Sheave Diameter:</b>          | 6.25"                  |
| <b>Hoist Motor HP:</b>           | 7.2/1.2                |
| <b>Trolley Motor HP:</b>         | 2 x 0.5                |
| <b>Speeds (fpm):</b>             | 16/2.6, 20/3.2, 25/4.1 |
| <b>Std. Trolley Speed (fpm):</b> | 80 VFD                 |

|                                    |          |            |            |
|------------------------------------|----------|------------|------------|
| <b>Duty Service Classification</b> |          | <b>FEM</b> | <b>HMI</b> |
| <b>Capacity in US Tons</b>         | <b>5</b> | 1          | H3         |
|                                    |          |            |            |

|   |             |        |
|---|-------------|--------|
| <b>Dimensions (inches):</b>   |             |        |
| Refer to drawing below. M, T and Standard SP (trolley gauge) dimensions plus weight shown in adjacent tables. | <b>B:</b>   | 27.5   |
|   | <b>C:</b>   | 8.25   |
|   | <b>DA:</b>  | 4      |
|   | <b>DL:</b>  | 5      |
|   | <b>E:</b>   | 2.75   |
|   | <b>F:</b>   | 2.25   |
|   | <b>G:</b>   | 3.375  |
|   | <b>H:</b>   | 18     |
|   | <b>K:</b>   | 4.5    |
|   | <b>O *:</b> | 16.5   |
|   | <b>P:</b>   | 3.125  |
|   | <b>R:</b>   | 42.125 |
|   | <b>U *:</b> | ---    |
| <b>X:</b>   | ---         |        |

|                                     |               |               |               |
|-------------------------------------|---------------|---------------|---------------|
| <b>Standard SP (trolley gauge):</b> |               |               |               |
| Varies with lifts shown at right.   | <b>20 ft.</b> | <b>33 ft.</b> | <b>50 ft.</b> |
|                                     | 63            | 78.75         | 98.5          |

|                                      |           |                |                |                   |
|--------------------------------------|-----------|----------------|----------------|-------------------|
| <b>Available Lifts (feet):</b>       |           |                |                |                   |
| <b>M, T, and Wt. vary with lift.</b> |           | <b>M (in.)</b> | <b>T (in.)</b> | <b>Wt. (lbs.)</b> |
|                                      | <b>20</b> | 4.25           | 33.625         | 1276              |
|                                      | <b>33</b> | 7              | 42             | 1364              |
|                                      | <b>50</b> | 10.375         | 54.5           | 1496              |

\* Dimensions O and U may vary depending on the type of control.

