

## Electric Low-Profile Barge Winch

### Standard Features:

- Totally enclosed, marine grade, fully reversing crane and hoist duty motors in 220V, 440V, and 575V
- Winch stall pulls from 11,000 to over 50,000 lbs
- Winch electric brake and worm drive gear holds from 46,000 to 111,000 lbs
- Flame-cut precision machined side frames
- Enclosed drive gearing
- Steel gear guard prevents slack cable from fouling gears
- Automatic disc brake
- Simple effective design reduces maintenance costs

### Options Available:

- Remote control packages for pilot house control NEMA 1; General purpose enclosure NEMA 4; Watertight (NEMA 1 or 4 magnetic reversing starter, NEMA 1 or 4 push button station)
- Wider drums (see wire rope storage chart for optional drum lengths)
- Slip clutch
- Drum divider flange
- Grooved drums
- Angle deck brackets
- Disengaging clutch and hand wheel for emergency power loss operation
- Dual winch, barge spotting system
- Special inquiries invited for mooring or terminal application
- Air and hydraulic models available upon request
- Cable installation



Low-Profile Electric Barge Winch Specifications

| Model No. | Dog Holding Capacity (Tons) | Capacity (lbs) |              | Holding (lbs)  | Line Speed (fpm) |            |     | Volts        | Weight    |            |         |
|-----------|-----------------------------|----------------|--------------|----------------|------------------|------------|-----|--------------|-----------|------------|---------|
|           |                             | Rated Pull     | Stall Pull * | Electric Brake | No Load          | Rated Pull | HP  | Phase Cycle  | Net (lbs) | Ship (lbs) | Cu. Ft. |
| 25HL-E1   | 40                          | 4,000          | 11,000       | 20,000         | 34               | 31         | 5   | 230/460-3-60 | 700       | 720        | 22.0    |
| 25HL-E2   | 40                          | 6,000          | 16,500       | 20,000         | 34               | 31         | 7.5 | 230/460-3-60 | 750       | 770        | 22.0    |
| 25HL-E3   | 40                          | 8,000          | 22,000       | 20,000         | 34               | 31         | 10  | 230/460-3-60 | 800       | 825        | 22.0    |
| 50HL-E1   | 65                          | 6,000          | 16,500       | 30,000         | 23               | 21         | 5   | 230/460-3-60 | 1225      | 1245       | 34.0    |
| 50HL-E2   | 65                          | 9,000          | 24,800       | 30,000         | 23               | 21         | 7.5 | 230/460-3-60 | 1275      | 1295       | 34.0    |
| 50HL-E3   | 65                          | 12,000         | 33,000       | 30,000         | 23               | 21         | 10  | 230/460-3-60 | 1325      | 1345       | 34.0    |
| 75HL-E1   | 90                          | 9,300          | 25,600       | 40,000         | 14               | 13         | 5   | 230/460-3-60 | 1930      | 1930       | 37.0    |
| 75HL-E2   | 90                          | 13,900         | 38,200       | 40,000         | 14               | 13         | 7.5 | 230/460-3-60 | 1980      | 2000       | 37.0    |
| 75HL-E3   | 90                          | 18,500         | 50,900       | 40,000         | 14               | 13         | 10  | 230/460-3-60 | 2030      | 2030       | 37.0    |

Note: All models are shown with "L" designating left hand models. For right hand models substitute "R" for "L" in the Model Number.

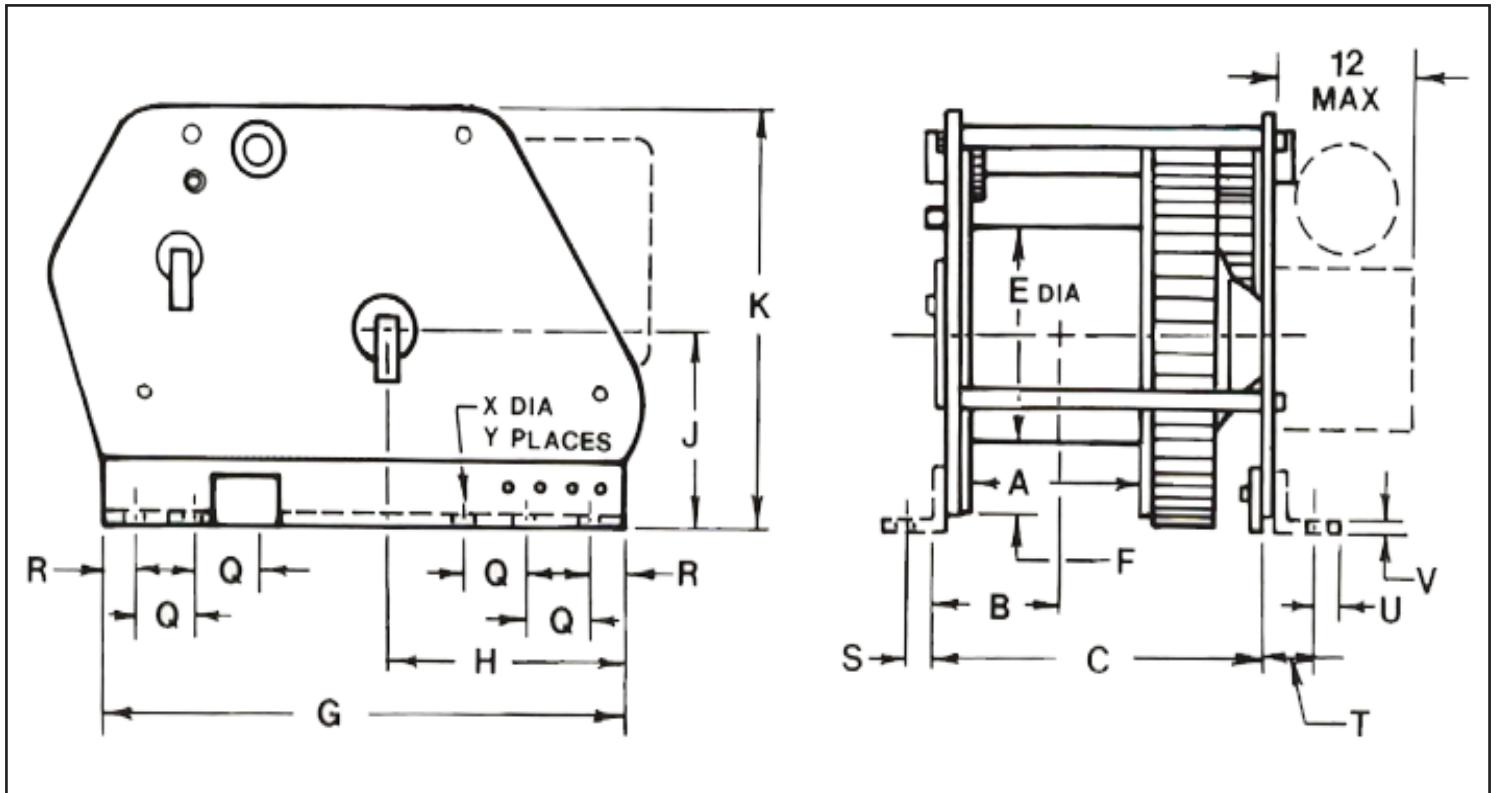
\* Stall pull rated at specific voltage with holding dog engaged.



## Drum Lengths and Cable Capacities

| 25HL - 10 3/4" Drum Diameter |                    |      |      |     | 50HL - 12 3/4" Drum Diameter |                    |      |        |        | 75HL - 16" Drum Diameter |                    |        |        |        |
|------------------------------|--------------------|------|------|-----|------------------------------|--------------------|------|--------|--------|--------------------------|--------------------|--------|--------|--------|
| Length<br>(in.)*             | Drum Capacity (ft) |      |      |     | Length<br>(in.)*             | Drum Capacity (ft) |      |        |        | Length<br>(in.)*         | Drum Capacity (ft) |        |        |        |
|                              | 5/8"               | 3/4" | 7/8" | 1"  |                              | 7/8"               | 1"   | 1 1/8" | 1 1/4" |                          | 1 1/8"             | 1 1/4" | 1 3/8" | 1 1/2" |
| 9                            | 248                | 162  | 142  | 88  | 11                           | 194                | 174  | 110    | 100    | 10                       | 119                | 108    | 98     | 56     |
| 17                           | 479                | 314  | 277  | 174 | 20                           | 377                | 338  | 216    | 197    | 19                       | 247                | 225    | 207    | 119    |
| 34                           | 975                | 643  | 568  | 359 | 41                           | 773                | 694  | 445    | 408    | 40                       | 523                | 478    | 441    | 254    |
| 51                           | 1472               | 971  | 865  | 544 | 61                           | 1168               | 1051 | 674    | 619    | 60                       | 798                | 731    | 675    | 390    |
| 69                           | 1969               | 1299 | 1151 | 729 | 82                           | 1564               | 1407 | 903    | 830    | 81                       | 1074               | 983    | 909    | 525    |

\* Standard drum lengths are rounded to the nearest inch.



| Manual Low-Profile Barge Winch Dimensions |                  |       |        |        |        |       |    |        |        |    |        |    |       |        |   |     |       |       |       |     |        |       |    |
|---|------------------|-------|--------|--------|--------|-------|----|--------|--------|----|--------|----|-------|--------|---|-----|-------|-------|-------|-----|--------|-------|----|
| Capacity<br>(US Tons)                     | Dimensions (in.) |       |        |        |        |       |    |        |        |    |        |    |       |        |   |     |       |       |       |     |        |       |    |
|   | A                | B     | C      | D      | E      | F     | G  | H      | J      | K  | L      | M  | N     | P      | Q | R   | S     | T     | U     | V   | W      | X     | Y  |
| 20HL                                      | 10               | 6 1/2 | 15 7/8 | 25 7/8 | 8 5/8  | 6     | 23 | 11 1/2 | 11 3/4 | 24 | 35     | 32 | 9 3/8 | 38     | 4 | 3/4 | 1     | 1     | 1     | 3/8 | 53 1/2 | 4/5   | 8  |
| 25HL                                      | 9                | 7 3/8 | 17 7/8 | 27 7/8 | 10 3/4 | 3 5/8 | 28 | 12 1/4 | 21     | 21 | 34 1/2 | 32 | 9 3/8 | 37 1/2 | 4 | 3   | 1     | 2 1/8 | 1     | 1/2 | 53 1/2 | 4/5   | 10 |
| 50HL                                      | 11               | 8     | 20 7/8 | 30 7/8 | 12 3/4 | 4 3/8 | 33 | 15     | 12     | 25 | 42 1/2 | 40 | 9 1/8 | 43     | 4 | 2   | 1 3/8 | 3     | 1 7/8 | 3/4 | 59 1/2 | 1 1/8 | 12 |
| 75HL                                      | 10               | 8 1/8 | 21 7/8 | 31 1/4 | 16     | 4 1/2 | 41 | 16 1/2 | 14     | 29 | 50 1/2 | 48 | 9     | 50 1/2 | 4 | 2   | 1 1/2 | 3 1/2 | 1 1/2 | 1   | 65 1/2 | 1 1/8 | 16 |

*Due to our policy of continuing development, all specifications are subject to change without notice. Users of these products are responsible for ensuring their suitability for the application in which they are being used.*



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