

## ELECTRIC WINCH

**65 YEARS OF EXPERIENCE  
IN THE MANUFACTURING OF  
STURDY, PERFORMING  
ELECTRICAL WINCHES:**

Made in Canada

2-year warranty

Meets and exceeds  
ASME B30.7 standard

Custom manufacturing

Testing and inspection certificate included



**PERFECTLY SUITED FOR APPLICATIONS FROM THE MINING,  
FOREST PRODUCTS, WIND, MARINE, HYDROELECTRIC, METAL AND  
CONSTRUCTION INDUSTRIES, AS WELL AS FOR MUNICIPALITIES.**

**DIRECT TRANSMISSION** a silent feature that eliminates the need for a conventional drive belt

**AERONAUTICS-GRADE STEEL CABLE** with unparalleled performance and durability

**LARGE-DIAMETER DRUM** made of seamless steel for an even winding of the cable

**COMPACT, STURDY DESIGN** for severe industrial applications

**IN HOISTING MODE**, the automatic electromagnetic break ensures a safe handling of the trolley

**FULLY LUBRICATED GEARS** encased in a sealed oil bath to reduce wear of moving parts

**SEALED BALL BEARINGS** for a smooth, efficient drum rotation

**MOUNTING** on the ground or vertical for better versatility

**CORROSION AND WEATHER-PROOF PAINT**

### **SAFETY FACTOR**

- 5:1 in HOISTING mode
- 3.5:1 in PULLING mode

### **AVAILABLE OPTIONS:**

- Total enclosed and ventilated engine (TEFC)
- P55 and IP65 ratings
- Thermal overload relay
- Limit switch
- Emergency stop
- NEMA 4 control box
- IEEE 45 for maritime applications
- Plate or steel beam mounting

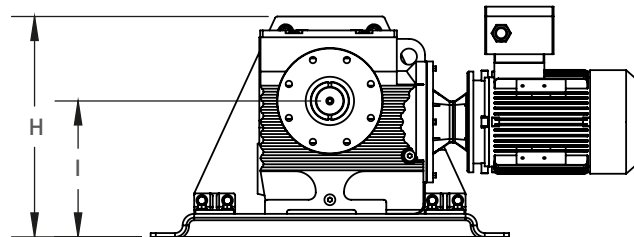
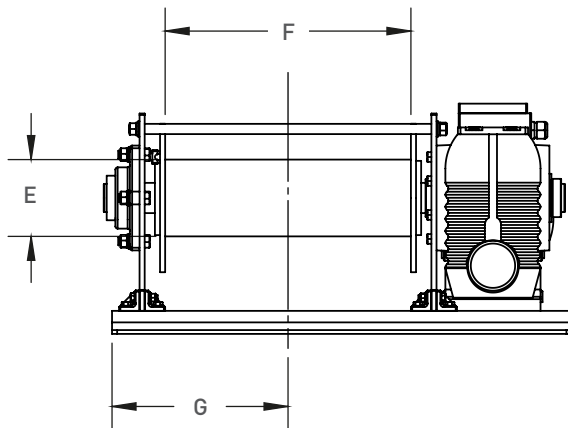
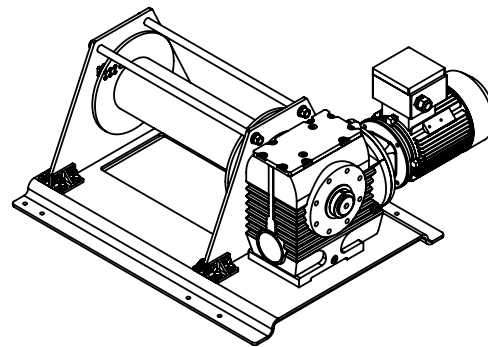
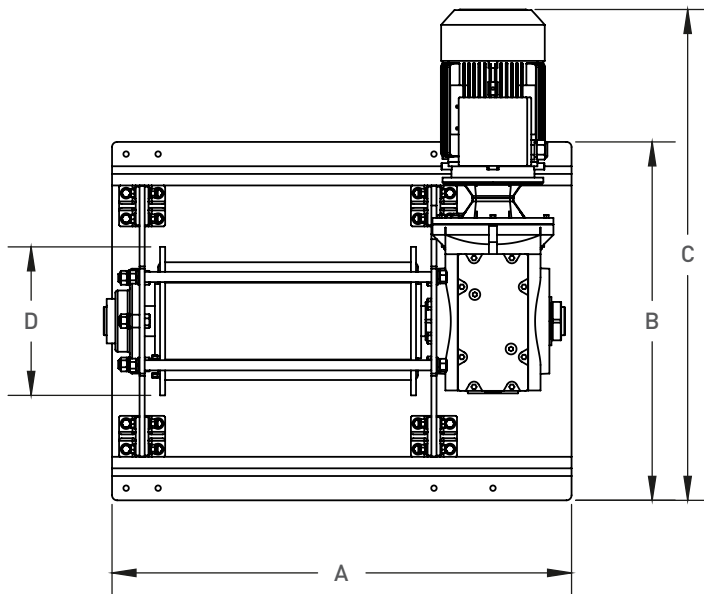


**VULCAN IS THE ONLY  
CANADIAN MANUFACTURER  
of electric chain hoists, trolleys  
and winches.**

# ELECTRIC WINCH

| MODEL  | Dimensions |    |        |        |       |    |         |         |        |
|--------|------------|----|--------|--------|-------|----|---------|---------|--------|
|        | A          | B  | C*     | D      | E     | F  | G       | H       | I      |
|        | in         |    |        |        |       |    |         |         |        |
| WIU-47 | 29 7/8     | 21 | 27     | 5 3/4  | 3 3/8 | 16 | 13 3/16 | 9 11/16 | 6 3/16 |
| WIU-57 | 38 3/8     | 22 | 28 1/2 | 6 5/8  | 3 3/4 | 24 | 17 3/16 | 10 5/8  | 5 5/8  |
| WIU-67 | 39 3/8     | 23 | 29 7/8 | 7 3/8  | 3 3/4 | 24 | 17 3/16 | 12 1/4  | 17 3/4 |
| WIU-77 | 41 3/8     | 28 | 35 1/2 | 9 3/8  | 4 3/4 | 24 | 17 3/16 | 14 7/8  | 9 3/8  |
| WIU-87 | 42 7/8     | 30 | 39 5/8 | 11 1/4 | 5 3/4 | 24 | 17 3/16 | 17 1/2  | 11 1/8 |
| WIU-97 | 44 7/8     | 35 | 48     | 14 1/2 | 7 1/2 | 24 | 17 3/16 | 21 1/2  | 13 1/4 |

\* Measurement can vary with the addition of a brake, venting system and/or accessories



Toll Free: 1 877 473 9309  
E-mail: [service@sarracocrane.com](mailto:service@sarracocrane.com)

# ELECTRIC WINCH

| MODEL  | STD wire rope dia. | Motor | Weight | Layers specific parameters    | Layer 1 | Layer 2 | Layer 3 | Layer 4 |
|--------|--------------------|-------|--------|-------------------------------|---------|---------|---------|---------|
|        | in                 | hp    | lb     |                               |         |         |         |         |
| WIU-47 | 1/8                | 3/4   | 195    | WLL hauling (lb)              | 550     | 500     | 475     | 450     |
|        |                    |       |        | WLL lifting (lb)              | 400     | 400     | 400     | 400     |
|        |                    |       |        | Layer wire rope capacity (ft) | 115     | 120     | 125     | 130     |
|        |                    |       |        | Total wire rope capacity (ft) | 490     |         |         |         |
|        |                    |       |        | Line speed (ft/min)           | 22      | 23.5    | 25.5    | 27      |
| WIU-57 | 3/16               | 2     | 290    | WLL hauling (lb)              | 900     | 850     | 750     | 700     |
|        |                    |       |        | WLL lifting (lb)              | 800     | 800     | 750     | 700     |
|        |                    |       |        | Layer wire rope capacity (ft) | 130     | 140     | 145     | 150     |
|        |                    |       |        | Total wire rope capacity (ft) | 440     |         |         |         |
|        |                    |       |        | Line speed (ft/min)           | 25      | 27.5    | 29.5    | 32      |
| WIU-67 | 1/4                | 2     | 330    | WLL hauling (lb)              | 1650    | 1450    | 1300    | 1200    |
|        |                    |       |        | WLL lifting (lb)              | 1400    | 1200    | 1050    | 950     |
|        |                    |       |        | Layer wire rope capacity (ft) | 100     | 105     | 115     | 120     |
|        |                    |       |        | Total wire rope capacity (ft) | 440     |         |         |         |
|        |                    |       |        | Line speed (ft/min)           | 18.5    | 20.5    | 23      | 25.5    |
| WIU-77 | 5/16               | 3     | 510    | WLL hauling (lb)              | 2800    | 2700    | 2400    | 2200    |
|        |                    |       |        | WLL lifting (lb)              | 1900    | 1900    | 1900    | 1850    |
|        |                    |       |        | Layer wire rope capacity (ft) | 100     | 105     | 115     | 120     |
|        |                    |       |        | Total wire rope capacity (ft) | 440     |         |         |         |
|        |                    |       |        | Line speed (ft/min)           | 13.5    | 15.5    | 17      | 18.5    |
| WIU-87 | 3/8                | 5     | 710    | WLL hauling (lb)              | 4100    | 4100    | 3800    | 3400    |
|        |                    |       |        | WLL lifting (lb)              | 2800    | 2800    | 2800    | 2600    |
|        |                    |       |        | Layer wire rope capacity (ft) | 100     | 105     | 115     | 120     |
|        |                    |       |        | Total wire rope capacity (ft) | 440     |         |         |         |
|        |                    |       |        | Line speed (ft/min)           | 16      | 18      | 20      | 21.5    |
| WIU-97 | 1/2                | 7-1/2 | 1 250  | WLL hauling (lb)              | 7000    | 6200    | 5600    | 5100    |
|        |                    |       |        | WLL lifting (lb)              | 5400    | 4800    | 4350    | 3950    |
|        |                    |       |        | Layer wire rope capacity (ft) | 100     | 105     | 115     | 120     |
|        |                    |       |        | Total wire rope capacity (ft) | 440     |         |         |         |
|        |                    |       |        | Line speed (ft/min)           | 15.5    | 17.5    | 19.5    | 21.5    |

<sup>1</sup> Total cable capacity is based upon cable diameter shown. Total cable capacity can vary depending on cable diameter chosen.



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