

713220 - ELECTRIC WINCH

220V 1 HP ELECTRIC WINCHES

WARNING

USE OF PORTER WINCHES ON PRODUCTS OTHER THAN BASKETBALL BACKSTOPS, GYMNASIUM DIVIDER CURTAINS, OR OVERHEAD VOLLEYBALL SYSTEMS IS **EXPRESSLY PROHIBITED.**

WINCH FURNISHED COMPLETE WITH MOUNTING BRACKETS FOR 3 1/2" [89mm] O.D. PIPE. (OTHER MOUNTING CONFIGURATIONS ARE AVAILABLE)

220V MOTOR WITH THERMAL OVERLOAD PROTECTION

BELT TENSIONER

CABLE TENSIONER

MAINTENANCE FREE GEARBOX

GROOVED CABLE DRUM

[117.48mm]
R4 5/8"
SHOWN WITH [229mm] 9" PULLEY FOR HIGH TORQUE

LIMIT SWITCH BOX

[7.14mm]
R 5/16"

[387.07mm]
15 1/4"

[88.90mm]
3 1/2"

[127mm]
5"

[457.20mm]
18"
[389.09mm]
15 5/16"

[303.21mm]
11 15/16"

[325.61mm]
12 13/16"

STANDARD MOUNTING CONFIGURATION

SELECT WINCH AND ACCESSORIES

- ☐ 713220 - 1 HP ELECTRIC WINCH
- ☐ 713220HT - 1 HP ELECTRIC WINCH, WITH HIGH TORQUE PULLEY
- ☐ ELEC000470G0 - COVERPLATE FOR RECEPTACLE
- ☐ ELEC00042100 - RECEPTACLE

INDICATE TYPE OF CONTROL FOR WINCH. SEE THE FOLLOWING PAGES FOR SPECIFICATIONS AND FIELD WIRING DETAILS FOR EACH CONTROL SYSTEM:

- ☐ SEE E-791 - KEY SWITCH CONTROL
- ☐ SEE E-2002 - SPORTSONIC II RADIO CONTROL SYSTEM
- ☐ SEE E-2002-5 - SPORTSONIC II DUAL-MODE RADIO CONTROL/KEY SWITCH SYSTEM
- ☐ SEE E-2550 - POWR-TOUCH 2.5 KEY PAD CONTROL SYSTEM
- ☐ SEE E-5000 - POWR-TOUCH 5 REMOTE CONTROL SYSTEM

713220 - ELECTRIC WINCH

220V 1 HP ELECTRIC WINCHES

SPECIFICATIONS

PORTER No. 713220 - 220V 1 HP ELECTRIC WINCH PORTER No. 713220HT - 220V 1 HP HIGH TORQUE ELECTRIC WINCH

Winch is worm gear type, designed to hold backstop at any position when raising or lowering. Winch frame is heavy gage painted steel. The cable drum is extruded aluminum, machined with grooves to provide neat and consistent cable tracking. A torsion spring tensioner ensures cable will keep alignment, even under no load. Cable provided is 1/4" [6.5mm] 7x19 galvanized steel aircraft cable. Drum will hold 41 ft [12.5m] of cable on a single layer. The top speed of the cable is 14.3 feet per minute [4.36m/min].

The heat-dissipating gearbox contains a worm and gear set in a factory-filled oil bath which is completely sealed for maintenance free service. No additional braking is required.

Winch to be operated mechanically by means of a 1 hp (7.8 Amps, loaded) capacitor type 50 Hz, 220 Volt, single phase electric motor with automatic thermal overload protection manufactured to NEMA specifications. The motor is rated for a 15 minute duty cycle at 40 °C ambient temperature. The motor shall drive the winch by means of a connecting V-belt and pulleys. Using the standard 6" [153mm] pulley, 713220 output torque is 226 ft-lbs [306 N-m].

Drum shall be mechanically interconnected to an Up-Down limit switch assembly, which shall be mounted and pre-wired to motor as an integral part of the winch. Limit switch assembly shall be furnished in an extruded aluminum housing. For detailed limit setting instructions, refer to INST00179022. Winch shall be pre-wired with a 6'-0" [1.83m] long covered cable with NEMA L14-20 twist-lock grounded type plug attached.

Electric winches are available with an array of control options. See the reverse page to find more details of each option, and to make your controller selection.

Winch may be mounted in any orientation, provided there is sufficient clear area for cable travel and cable wraps in the correct direction. The 713 winch weighs 66 lbs [30 kg].

Wiring of all electrical components shall be in accordance with local codes, and in accordance with manufacturer's instructions.

All conduit, wiring, junction boxes, and components not specified herein shall be furnished and installed by the electrical contractor.

Warranty

713220 and 713220HT winches are provided with a 5 year limited warranty.

LEED® Submittal Information:

Credit	Measure
MRc4 - Recycled Content	Post-Consumer Average 5% Post-Industrial 0%
MRc5 - Regional Materials	Raw materials originate from multiple sources so origin point cannot be determined. Final Manufacturing/Assembly in Champaign, IL 61822