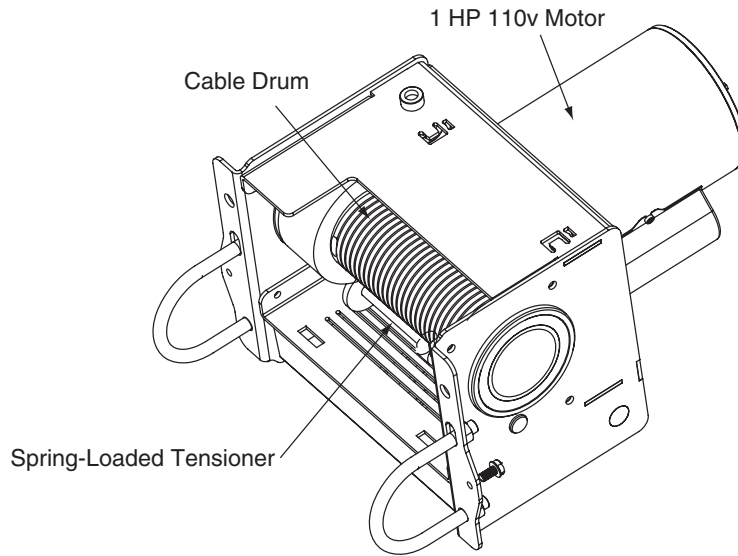
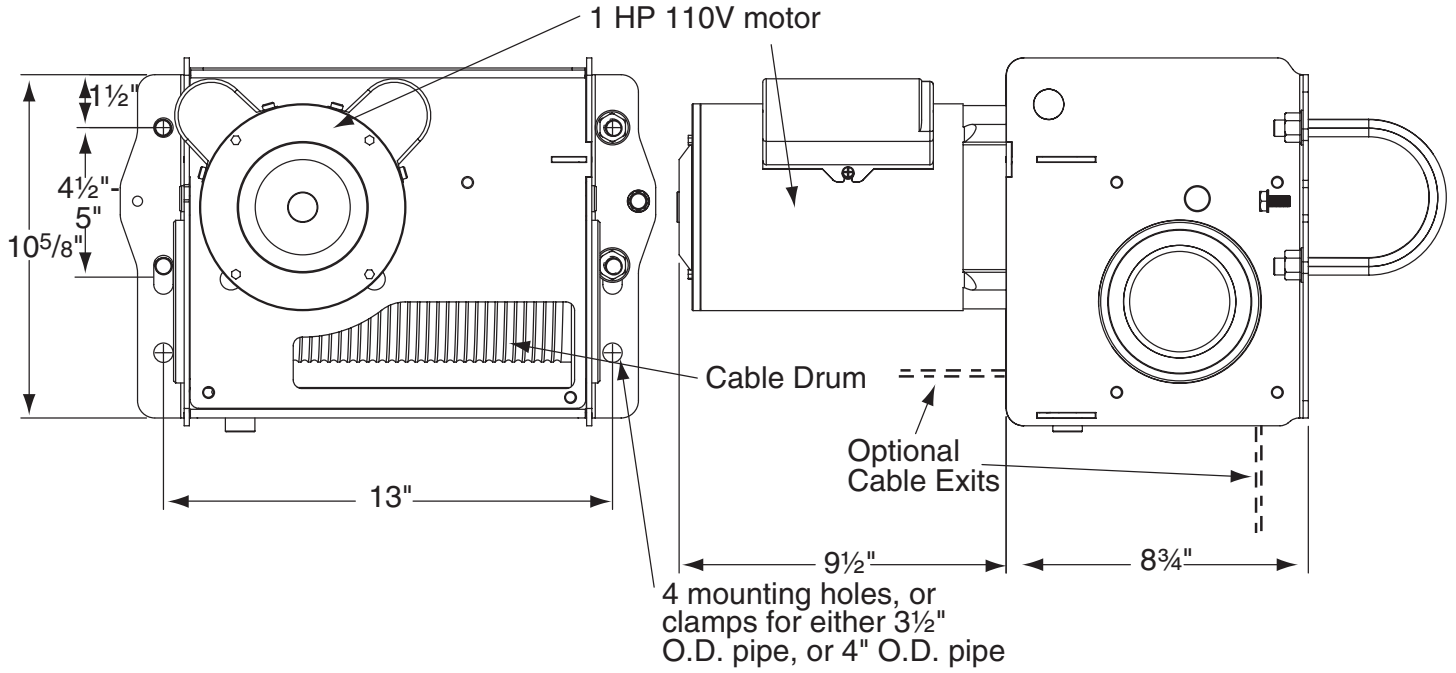


# 503085

Motorized Winch for use with  
EZ Fold Basketball Backstops

by **DRAPER**

## Winch Assembly Diagram/Mounting Options



# DRAPER®

411 S. Pearl St., Spiceland, IN 47385 USA ■ 765-987-7999  
www.draperinc.com ■ fax 765-987-7142

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PROJECT: \_\_\_\_\_

ARCHITECT: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

SUPPLIER: \_\_\_\_\_

DATE: \_\_\_\_\_ REVISED: \_\_\_\_\_

**Specifications—EZ503085**

\_\_\_\_\_ winches, model EZ-503085, shall be provided by Draper, Inc., Spiceland, Indiana. Winch shall be rated to deliver 1000 lbs/340 kgs of vertical lifting and 1500 lbs/510 kgs of horizontal line pull at a line speed of 12 feet/3.4 meters per minute on the first layer. Unit shall have a stall line pull of 2100 lbs.

Available cable travel shall be 25 feet/7.7 meters on one layer. Cable drum shall be manufactured from hard aluminum alloy and shall be directly supported at the cable winding diameter for maximum strength and rigidity. The drum shall be helically grooved for 1/4" 7 x 19 aircraft cable. Grooving shall provide proper spooling of the cable and ensure excellent repeatability of stop positions. Drum shall be equipped with a pressure roller, with torsion spring tensioning, to ensure that the cable tracks in the groove even under slack cable conditions. Winch shall employ a double worm reduction system. Use of composite materials shall result in superior strength and life. No oil lubrication shall be required. Uni-directional worm brake, together with inherently self-locking composite worm drive, shall assure positive dynamic braking and reliable holding of the cable drum. Readily adjustable upper and lower travel limit switches shall make the setting of stop positions straightforward. A 3:1 speed-increasing drive to the limit screw shall be used to increase the precision and repeatability of the settings. Winch shall be driven by 1 HP, instantly reversing, 110-120V single-phase electric torque motor utilizing a 3-wire control system. Motor shall have an automatic reset overload protector, and shall draw 13.2 amps under full load. Motor shall be designed to stall at 14 amps with a 20-minute duty cycle on the motor thermal. All main frame components shall be powder coated. All exposed sub-components shall be plated for maximum corrosion protection.

Two cable exit ports shall be provided to allow greater freedom of mounting orientation and cable layout.

Winch shall weigh 54 lbs/24.5 kgs.

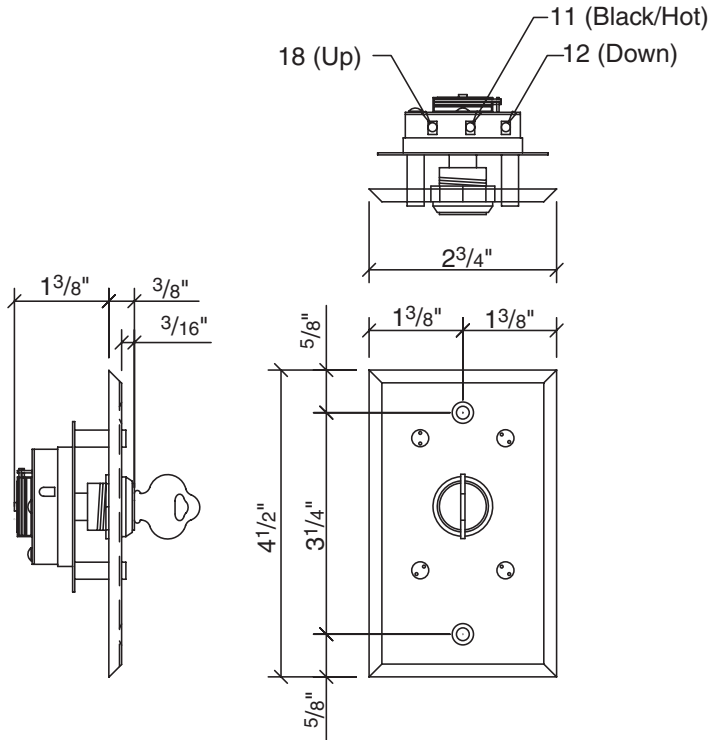
**Options:**

**Smart Gym Control System.** For group control of Basketball Backstops with Electric Winches, Electric Divider Curtains, Electric Height Adjusters and other Auxiliary Devices. See separate sheet.

**503060 EZ Power Wireless Remote Control.** For remote control operation of electric winch. See separate sheet.

**503091 Plug Kit.** Consists of twist-on plug, receptacle and box cover.

**Key Switch**



**Wiring Diagram**

