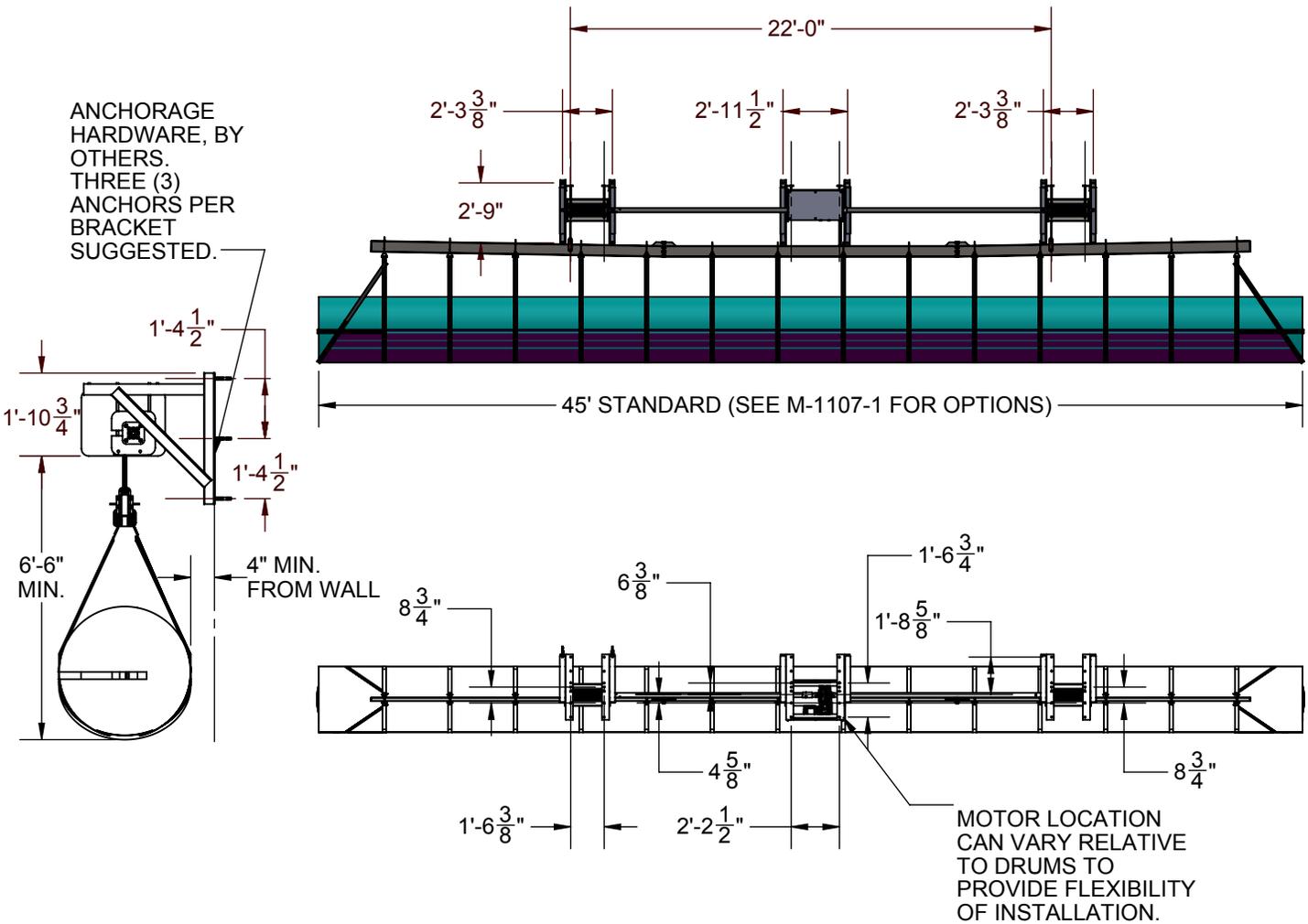


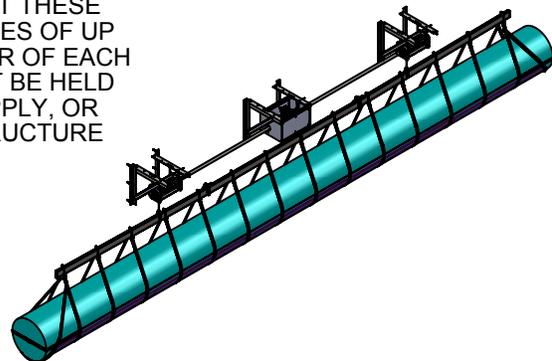
# 91107050 MAT MOVER

## WALL-MOUNTED STATIONARY MAT MOVER



DESIGN LOADS		
PART DESCRIPTION	DEAD LOAD (LBS)	LIVE LOAD (LBS)
MOTOR ASSEMBLY	275	
(2) DRUM ASSEMBLIES	200	
40FT LOAD BAR	450	
SLING	84	
(2) 45'x45' MATS (at 1LB/SQFT)		2025
15% IMPACT		455
<b>LOAD TOTALS:</b>	1009	2480

WALL ATTACHMENT HARDWARE SHALL BE PROVIDED BY OTHERS. STRUCTURE SHALL BE DESIGNED AT A MINIMUM TO ACCOMODATE DESIGN LOADS NOTED ON CHART TO THE LEFT. NOTE THAT THESE LOADS MAY HAVE ECCENTRICITIES OF UP TO 12 INCHES FROM THE CENTER OF EACH ASSEMBLY. PORTER SHALL NOT BE HELD RESPONSIBLE FOR DESIGN, SUPPLY, OR INSTALLATION OF SUPPORT STRUCTURE OR ATTACHMENT HARDWARE.



- \_\_\_\_\_ - 91107050 WALL-MOUNTED MAT MOVER
- \_\_\_\_\_ - CONTROL PANEL SELECTION (208V OR 460V)
- \_\_\_\_\_ - SLING SELECTION (SEE M-1107-1)

# 91107050 MAT MOVER

## WALL-MOUNTED MAT MOVER

### SPECIFICATIONS MAX ONE 45'x45' MAT

Hoist construction shall consist of a motor drive unit and at least two lifting drum units. All units shall be connected by 2 3/8" OD line shaft. Hoist shall be capable of lifting and supporting one standard 45' x 45' wrestling mats weighing one pound per square foot.

Motor drive unit shall consist of a 3 HP motor operating on 208V or 480V 3-phase power. Motor shall have an integrated brake and automatic overload protection. Motor shall operate in conjunction with a 187.5:1 ratio gearbox assembly. Under no load conditions, RPM of motor is 1725; RPM of drum is 9.2. Approximate hoist speed shall be 9 ft/min. The motor shall be controlled by a momentary switch that cannot be instantly reversed. The placement of the motor and gearbox assembly shall be flexible.

Mats shall be contained within a sling of 19oz vinyl of a color chosen by the customer (SEE M-1107-2 for sling selection). Sling shall be attached to load bar by 2" wide nylon straps, encompassing the full sling perimeter, terminating at the load bar with a load-rated ring at each end. Breaking strength of each ring shall be a minimum of 5,000lbs. The load bar shall be a 2"x6" heavy wall tube with welded hooks at regular spacing intervals.

Control panel shall be mounted within close proximity of the Mat Mover(R) unit for ease of wiring and effectiveness of the motion alarm system. Panel shall provide the following:

- A steel enclosure, complete with lock and keys
- A cover-mounted main disconnect switch (specify 208V, or 480V)
- Control circuit transformer with primary and secondary protection
- Audible motion alarm that activates when unit is raising or lowering

Hoisting shall be accomplished by means of at least two 5/16" dia, 6-strand, 37 wires per strand, fiber core, 4.26 ton breaking strength steel cables, each secured to a 4" diameter drum, and terminating at the load bar.

Structural support members shall be designed and specified by the project architect or engineer to accommodate given dimensions and shall comply with all applicable codes and standards while providing sufficient capacity for given design loads. The owner or qualified representative shall provide adequate structure and necessary attachments to support equipment, which shall be installed by a qualified contractor. Porter does not design or provide support structure.

Wiring of all electrical components shall be in accordance with national and local electrical 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

1 year limited warranty

### ACCESSORIES

Saf-Strap for Mat Mover: (2) XSAF79750002 + (4) XCLP79702

### LEED(R) SUBMITTAL INFORMATION

Credit	Measure
MRc4-Recycled Content	Post Consumer Average 0% 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.

ISSUED JULY 24, 2019, SUBJECT TO CURRENT MANUFACTURING PROCEDURES AND CHANGES

COPYRIGHT 2019 - PORTER ATHLETIC - ALL RIGHTS RESERVED

PORTER@PORTERATHLETIC.COM