

**Dynamic One™ Retrieval Drive Unit**  
**Models DLT2000, DLN2000, DNT2000, DNN2000**



## **TECHNICAL DATA**

### **AT A GLANCE**

- *Contains all control and drive components for target retrieval*
- *Mounts to starter section of the Accutrac™ Carrier Track System*
- *All major components are plug-and-play*
- *Vacuum-formed cover has positive pressure fan*

### **DESCRIPTION:**

*The Dynamic One™ Drive Unit is the motion control unit for the Mancom Target Retrieval System. It houses the industrial grade CPU, the drive motor, the variable speed drive, the power supplies and the main interface circuit board. The drive has a data connection to the Master Control Screen and the Local Control Screen. LED's allow visual monitoring of the system status. Plug-and-play connections make servicing the system quick and easy. The variable speed drive provides ramped acceleration and deceleration of the carrier as well as electronic braking for accurate carrier positioning.*

### **SIZE:**

*20.37"L x 24.25"W x 9.50"H*

### **WEIGHT:**

*53 lbs*

### **FINISH:**

*Mounting Plate: Pebbled Black Powder Coat  
Cover: Pebbled Black ABS*

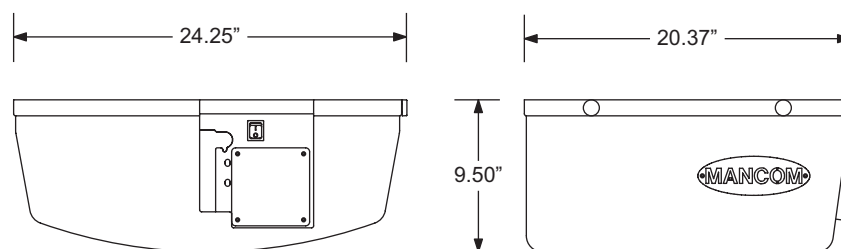
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## **ARCHITECTS' & ENGINEERS' SPECS**

The Dynamic One™ Drive Unit shall have a low profile and mount to the shooter's end of the Accutrac™ Carrier Track System. The drive components shall be mounted on an 11-gauge steel platform and be enclosed in an ABS-hinged removable molded cover. The drive unit shall house the following components: motor, variable frequency drive, CPU, power supplies and main interface printed circuit board. Service required shall be 208/220VAC single phase, complete with neutral and ground at 8 amps. The drive unit shall have a filtered fan to provide a positive internal pressure to keep out range debris. The drive shall use electronic braking for greater accuracy and longevity. The drive unit shall incorporate a communications module when used in conjunction with a Control Cabinet and Master Control Screen. The major components shall be plug-and-play for ease of maintenance. The drive shall use a rotary encoder to keep track of the carrier position and shall automatically recalibrate the carrier position each time the carrier returns to the home position. The drive shall have the ability to move the carrier at different speeds including a high-speed mode for knife attack simulation. The drive unit shall not require any downrange sensors.



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