

The M9 Tractor Drive (Motoveyor) is a rugged heavy-duty monorail drive unit built to move loads under punishing requirements while providing dependable performance and durability.

SPEEDS:

Standard speeds are 50, 75, 110, 135, 165, 190, and 255 FPM. Single speed control with ACM is standard (in NEMA 3R enclosure). Variable speed (inverter controlled) and two speed units are available.

MOTORS:

Standard motors provided are NEMA C face, TENV, Class F insulation, 30-minute duty and are available for standard commercial power supplies. The motor has a standard NEMA shaft extension. The motors are designed for intermittent reversing crane and trolley drive service. Standard motors are CSA approved.

BRAKE:

An electric motor brake is optional.

GEARING:

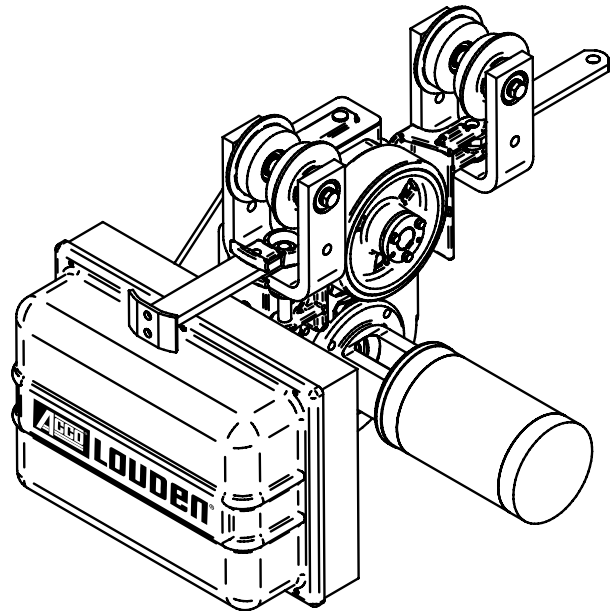
M9 tractor drives are equipped with triple reduction helical gear reducers. All gears are heat-treated alloy steel. Gears are designed to AGMA standards for maximum life and operate in an oil bath. All gear shafts are supported by tapered roller bearings.

CONSTRUCTION:

The gear housing is one-piece high strength cast iron mounted on two formed steel swiveling trolleys. The tractor drive is spring loaded to absorb shock loads and to maintain constant pressure on the drive tire.

DRIVE WHEEL:

The 9" diameter under-rail drive wheel gives positive action, no-slip traction, regardless of the load. The polyurethane tire is molded and bonded to a cast iron wheel, and is supported by roller bearings.

**TROLLEY WHEELS:**

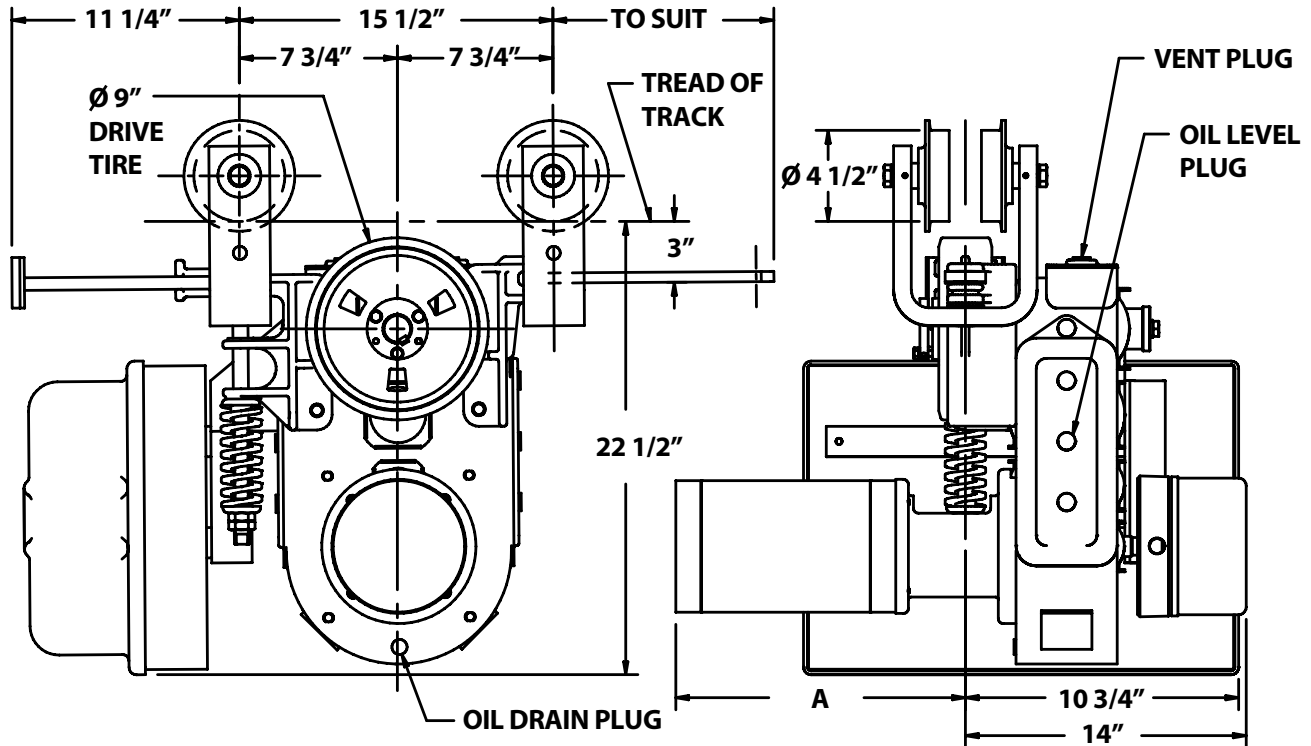
The M9 tractor drive is equipped with 4-1/2" diameter flanged steel wheels with hardened tread and flange. Optional flangeless wheels and side guide rollers are available. The wheel axle is equipped with grease fitting for refreshing lubricant under abnormal conditions.

BEARINGS:

Each wheel includes a heavy-duty double row, pre-lubricated tapered roller bearing.

OPERATION:

The M9 tractor drive is designed to operate on 3.25" or 3.33" flange Louden and Trambeam track. Unit will negotiate electrified SuperTrack and TrojanTrack switches as well as curves with a 29" or larger radius. The tractor drive will also navigate through 505.7824, 505.7825, 505.7830, and 505.7831 latches and latch blocks. Contact the factory to discuss applications not listed.



SHOWN WITH
OPTIONAL BUMPER

"A" DIMENSION FOR SINGLE SPEED MOTORS	
UP TO 1 1/2 HP	12 1/8"
2 HP	13 1/8"
3 HP & 5 HP	17 1/4"

SHOWN WITH
OPTIONAL BRAKE

NOMINAL SPEED (FPM)	MAXIMUM TOW LOADS (LBS)					
	3/4 HP	1 HP	1 1/2 HP	2 HP	3 HP	5 HP
50	28,500	38,000	40,000	-	-	-
75	19,000	25,300	38,000	40,000	-	-
110	13,000	17,300	25,900	34,500	40,000	-
135	10,600	14,100	21,100	28,100	40,000	-
165	6,400	8,500	12,700	17,000	25,500	40,000
190	5,500	7,400	11,100	14,700	22,100	36,800
255	-	5,500	8,200	11,000	16,500	27,500

AVAILABLE OPTIONS:

Options available for this tractor drive include construction for hazardous locations, bronze trolley wheels, flangeless wheels with side guide rollers, motor brake, motor brake with manual release, quick tire release, control pendant, special motor & control options, air motor and epoxy paint. This tractor can also be provided to operate on 4" patented track, 4 1/2" patented track or structural steel.