



TRACTOR DRIVES



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Power drive for push-type hoists and underhung crane bridges.

YALE® tractor drives deliver greater productivity with existing push-type underhung crane bridges or push-type monorail hoists with motor-driven travel. Designed for capacities up to 5 tons, YALE® Tractor Drives are easy to install without removing or disturbing existing equipment.

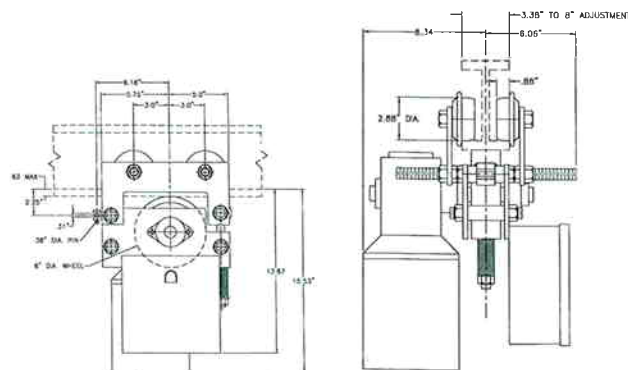
Underhung Crane Bridges

Designed to accommodate any make unit, twin tractor units of the same design as the single unit tractor can be used to convert push-type crane bridges to electric drive. The twin unit synchronized YALE® Tractor Drives are wired to a universal electrical control panel located on the master tractor to provide simultaneous operation.

For monorail trolley suspended hoists

This single, powerful, electrically motorized tractor provides fast horizontal travel while minimizing worker fatigue. A squirrel cage electric motor with torque multiplied by a heavy-duty gear reducer drives a urethane drive wheel. The drive wheel engages the underside of the monorail track, providing positive power drive.

CAPACITY (LBS)	SPEED (FPM)	YALE® CAT. #
2000	35	YTD-235
2000	55	YTD-255
2000	70	YTD-270
2000	105	YTD-2105
3000	35	YTD-335
3000	55	YTD-355
3000	70	YTD-370
3000	105	YTD-3105
5000	35	YTD-535
5000	55	YTD-555
5000	70	YTD-570
6000	35	YTD-635
6000	55	YTD-655
10,000	35	YTD-1035



Motor 1/2 hp @ 1800 rpm (1/4 hp @ 900 rpm for 35 fpm)
Squirrel cage motor with permanently lubricated bearings. Standard NEMA C face 30 minute motor with Class F insulation.

Drive Direct drive with right-angle worm gear reducer. Fully enclosed aluminum housing for lubrication of gears and bearings.

Drive Wheel Drive wheel is 6" diameter, 2" wide with cast iron hub and a urethane thread. Wheel is spring loaded against the bottom of the beam for positive traction. Wheel is supported by permanently lubricated ball bearings.

Construction Steel plate construction with steel tie-rods for easy adjustment. Steel clevis with a 3/8" diameter pin is provided for towbar attachment.

Trolley wheels Cast iron fully machined wheels with universal tread for operation on tapered or flat-flange beams. Each wheel has two permanently lubricated sealed ball bearings.

Beam Adjustment Range Standard unit is adjustable for standard I-beams and flat-flange beams from 3.38" to 8" wide. Maximum flange thickness for standard unit is .62". Minimum curve for standard unit is 36" radius.

Controls Magnetic reversing contractor with mechanical interlock enclosed in a NEMA 1 enclosure with a terminal strip for control connections. Standard tractor is designed for 208-230/460 volt, 3 phase, 60 hertz supply. See options for other power supplies.

Standard Finish Air-dry machinery enamel

Options

- 575 volt, 3 phase, 60 hertz operation
- 2, 4, 6, and 8 button push-button stations
- Additional push-button cable length (10' standard)
- NEMA 12, 4 or 4X control enclosures
- Motor brake
- Soft start (recommended for speeds above 70 fpm)
- Two-speed or variable controls
- Transformer for 115 volt power control
- For other beams, options or custom designs, consult factory

For additional information contact your Yale representative or Yale headquarters direct.



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