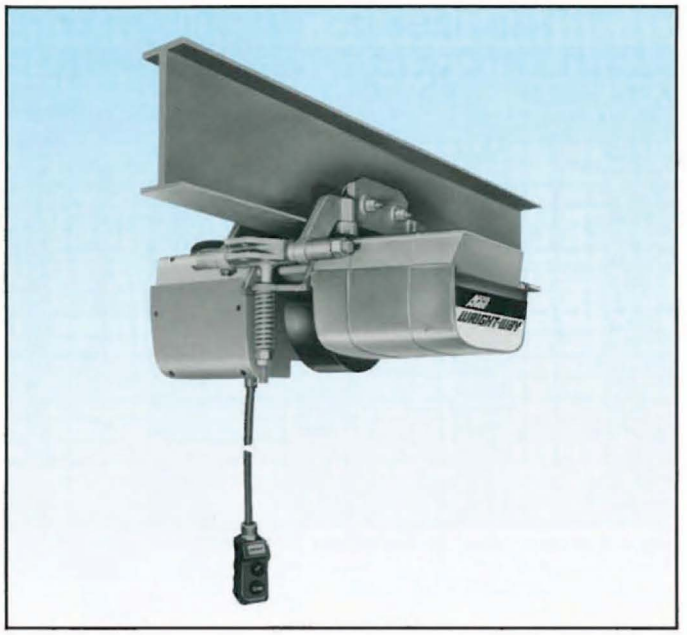
Tractor Drives

WRIGHT®



The *Wright-Way* electric tractor is a highly efficient powered auxilliary drive unit for horizontal movement of hoist or other equipment along standard "I", "WF" or patented track beams.

Other applications are to provide power for operating doors or acting as drive units for conveyor lines and cranes.

Through a speed reduction, the drive action of the motor is transmitted to a rubber tire wheel which is spring loaded to provide steady traction as it rolls against the underside of the track.

One standard unit runs on standard "I" beams and "WF" beams with flange widths of 3 inches minimum, 7 inches maximum. Another standard unit will operate on patented track with 2, 3¼, or 3.33 inch flange. Both models will negotiate a 30 inch curve. In addition, the patented track model will operate through switches and turntables.

Specifications

Capacity (tons)	Product Number	Phase	Speed (FPM)	HP	Net Weight (lbs.)
Standard "I" or "WF" Beam — Single Speed					
1-3	2300020	Single	30, 40, 60 & 80	½	140
	2300050	Three			
4-5	2300020	Single	30, 40, & 60	½	140
	2300050	Three			
	2300030	Single	80	1	
	2300060	Three			
Patented Track — Single Speed					
1-3	2300080	Single	30, 40, 60 & 80	½	140
	2300110	Three			
4-5	2300080	Single	30, 40, & 60	½	140
	2300110	Three			
	2300090	Single	80	1	
	2300120	Three			
Standard "I" or "WF" Beam — Two Speed					
1-3	2300130	230V-3	30-10 40-13 60-20 80-27	½-⅙	155
	2300140	460V-3			
	2300150	575V-3			
4-5	2300160	230V-3	30-10	½-⅙	155
	2300170	460V-3	40-13		
	2300180	575V-3	60-20		
	2300190	230V-3	80-27	1-⅓	155
	2300200	460V-3			
	2300210	575V-3			
Patented Track — Two Speed					
1-3	2300220	230V-3	30-10 40-13 60-20 80-27	½-⅙	155
	2300230	460V-3			
	2300240	575V-3			
4-5	2300250	230V-3	30-10	½-⅙	155
	2300260	460V-3	40-13		
	2300270	575V-3	60-20		
	2300280	230V-3	80-27	1-⅓	155
	2300290	460V-3			
	2300300	575V-3			

Construction Features

Motor Brake

Direct acting, short stroke, AC magnet actuated disc type with a minimum torque rating of 150% of the full load motor torque. Provides accurate spotting and control of the load by quickly stopping the motor when power is interrupted.

Frame

Rugged malleable iron construction.

Motor

Standard NEMA C face, Class F insulation, TENV motors are provided for standard commercial power supplies. The motor has a standard NEMA shaft extension.

Automatic reset thermostats protect both single speed and two speed motor. This complies with applicable NEC requirements and relieves the user from providing motor running overcurrent protection.

Single Speed Motors

Single phase motors are capacitor start, induction-run, and reconnectable for 115 volt or 230 volt, 60 hertz applications rated 15 minute duty with a ± 10% voltage variation. Single phase motors are not recommendable. **Three Phase** motors are induction type, reconnectable for 230 volt or 460 volt, 60 hertz power supply, rated at 30 minute duty with ± 10% voltage variation.

Two Speed Motors

Two speed, 1800/600 RPM, motors are three phase, induction type, not reconnectable, rated at 30 minute duty with ± 10% voltage variation.

Gear Train

Combination of helical and spur gears, with all contact surfaces hardened for wear resistance and designed in accordance with AGMA standards. All gears and pinion shafts supported on both ends by anti-friction ball bearings. Gears operate in a sealed oil bath.

Push Button Station

Pushbutton stations are NEMA types 4, 4X & 5, molded impact resistant thermoplastic units with momentary contact type buttons. Push button operating voltage is 115 volts. The thermoplastic enclosure is designed for one hand operation and is supported by a strain relief chain.

Drive Wheel

Rubber tire 9 inches in diameter with 3 inch face, supported by prelubricated and sealed ball bearings.

Trolley Wheels

For Standard "I" or "WF" beams — Flangeless, ball bearing, steel wheels, 3¼ inch tapered tread diameter for "I" beam, 2⅞ inch flat tread diameter for "WF" beam.

For Patented Track — Flanged, ball bearing, steel wheels, 4 inch flat tread diameter.

Control

Choose from single or two speed. Completely enclosed controls are 3 pole magnetic reversing type, mechanically interlocked with 115 volt control circuit and rated at 600 volts, includes control transformer. Two speed controls are also electrically interlocked. All wiring conforms to applicable NEC and CSA requirements. Housed in a NEMA type 3R enclosure with lightweight, impact resistant *Lexan* resin cover, deep molded.

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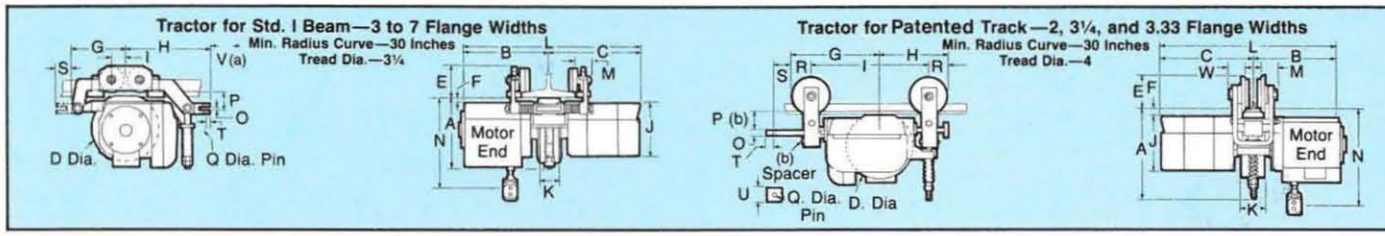

Dimensions (Inches)

Capacity (tons)		A	B	D	E	F	G	H	I	J	K	M	N	O	P	Q	R	S	T	U	V	W
1-5	Std. Beam	10	12	9	3¾	⅝	6¾	11¼	1⅞	7¼	3	2⅛	7′6″	9/16	2½	⅝	—	2⅛	⅝	—	3	—
1-5	Pat. Track	12	12	9	4½	⅝	11½	9	15½	7¼	3	2⅛	7′6″	½	2⅝	⅝	2½	7½	⅝	2	—	1⅝

Var. by Motor

	Motor HP	C	L
Single Speed	½	11¾	23¾
	1	13¾	25¾
Two Speed	½⅛	13¾	25¾
	1⅓	14¼	26¼

(a) Shows minimum clearance to hoist extremity when used on curved track. Tow clevis is furnished on side shown by solid lines. For shortest tow bar for curved track application, attach clevis where shown by dotted lines.
(b) Spacer required when beam flange is less than 7/16 inch thick. Add ½ inch when spacer is not used.