

BELT CONVEYOR

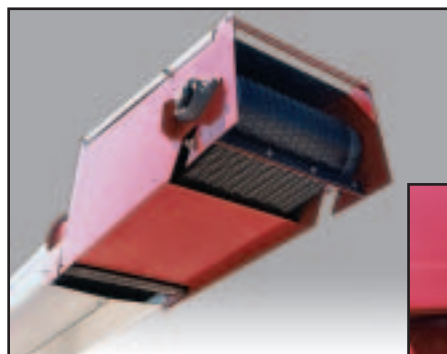
MOVES A WORLD OF GRAIN
Hutchinson
THE WORLD OVER



Complimented by Comparison.

MOVES A WORLD OF GRAIN
Hutchinson *Minimize crop damage. Maximize handling capacity.*
 THE WORLD OVER

ADJUSTABLE BELT DISCHARGE



All pulleys are wider than the actual belt (per CEMA recommendations). The position of the belt can be quickly and simply adjusted using our exclusive pulley angle adjustment



(see inset). Controlling the belt position on the pulley prevents possible edge damage that can be encountered on competitive models.

BELT CONVEYOR STANDARD FEATURES

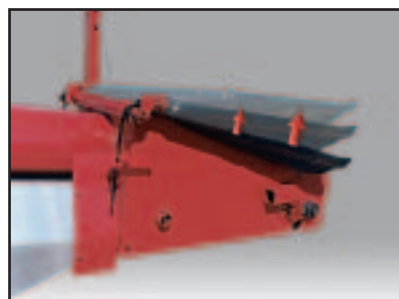
- The unit features a durable powder coat finish. The main housing features a rugged galvanized finish for maximum durability.
- Capacities range from 3,000 BPH to 6,000 BPH depending on elevated angle.
- Belt conveyor system provides gentle handling and higher capacity than the same size screw conveyor.
- 10" diameter galvanized main tube available in 35', 60', 70' and 85' lengths.
- Low-maintenance/long wear. Engineered for long lasting performance with heavy-duty two ply 15" Crescent Top PVC belting with nylon slider back.
- Belt life rated at 3,000 hours.
- Low horsepower-unique design. Requires only half the horsepower of comparable length screw conveyors—greatly reducing energy consumption.

INTAKE/BELT DESIGN



The intake area is designed to provide maximum system capacity. The belt is gently transitioned from the flat position through our exclusive formed intake into the tube. This design maximizes through capacity while gently moving the product.

SPRING LOADED INTAKE HOPPER



The intake design features a spring loaded flexible hopper designed to offer a gentle cushion for all grains. The overall intake is designed to provide maximum capacity and safety.

ADJUSTABLE ANGLE DISCHARGE

The high capacity discharge features five individual settings that enable you to adjust the angle of the discharge to fit any particular application. The rugged single piece formed plastic construction provides years of dependable service.



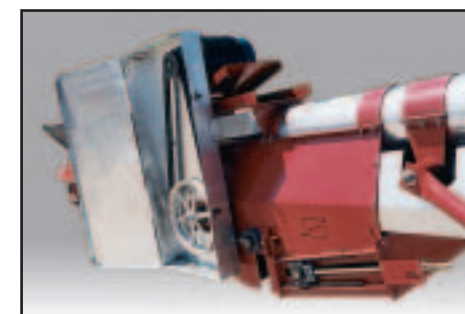
WIDE-BASE UNDERCARRIAGE

Each model features a wide-stance undercarriage that provides safe and convenient construction. Larger 60', 70' and 85' models feature fully hydraulic operation. The 35' model features a manual winch. A series of pulleys (see inset) dramatically reduce the winch load for ease of conveyor elevation.



CHOICE OF DRIVES

Select from your choice of PTO or Electric Drive options. Both are designed to provide smooth, consistent performance. A band-on support provides a convenient method to carry the IID (PTO) during transport. All belts and pulleys on the Electric Drive model are fully enclosed for safe operation. Hydraulic drive available on 35' models only.



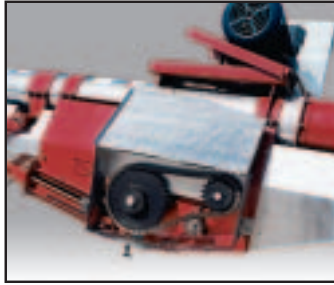
AUTOMATIC BELT TENSIONER



A spring loaded belt tensioner on the take-up pulley along with 200 degrees of belt wrap on the lagged drive pulley allows use of lower belt tensions and reduces the chance of belt slippage.

CHAIN REDUCTION DRIVE

Drive pulley has a guarded chain reduction drive from a jack shaft. Jack shaft is either belt driven from an electric motor or directly connected to a 540 rpm PTO. Pivoting motor base makes belt adjustment easy on electric models.



BELT CONVEYOR GENERAL DIMENSIONS

	10' x 35'	10' x 60'	10' x 70'	10' x 85'
SIZE	10' x 35'	10' x 60'	10' x 70'	10' x 85'
TUBING	14 ga. galvanized	14 ga. galvanized	14 ga. galvanized	14 ga. galvanized
BELT WIDTH	15"	15"	15"	15"
BELT TYPE	PVC	PVC	PVC	PVC
PSI REQ. LIFT	N/A	1,500	1,500	1,500
PTO DRIVE	14 R Series w/ 5/16" Shear Bolt	14 R Series w/ 5/16" Shear Bolt	14 R Series w/ 5/16" Shear Bolt	14 R Series w/ 5/16" Shear Bolt
HP REQ. (PTO)	20	30	40	60
HP REQ. (ELEC.)	7.5	10	15	20
HUBS & WHEELS	4 bolt	4 bolt	5 bolt	5 bolt
WHEEL TREAD	9'	10' 4"	11' 2"	12' 8"
HYD. LIFT CYL.	N/A	4" x 24"	4" x 36"	(2) 4" x 24"

BELT RETURN ROLLERS



The conveyor belt return features strategically located rollers that reduce the friction and reduce wear on the belt. Wind guards are provided standard for belt protection and safety.

TRANSPORT POSITION

MAXIMUM RAISED POSITION

CONVEYOR SIZE	A	B	C	D	E				F				G				H				OVERALL TREAD WIDTH	HP ELEC.
					30'	25'	20'	15'	30'	25'	20'	15'	30'	25'	20'	15'	30'	25'	20'	15'		
35'	8'-3"	6'-3"	14'-3"	4'-9"	16'-8"	15'-10"	10'-10"	7'-10"	16'-3"	16'-9"	17'-1"	17'-4"	8'-3"	7'-0"	5'-7"	4'-1"	32'-2"	33'-6"	34'-7"	35'-5"	9'-0"	7.5
60'	11'-3"	9'-3"	28'-11"	5'-9"	29'-2"	24'-5"	19'-5"	14'-3"	25'-7"	26'-9"	27'-6"	28'-4"	16'-0"	13'-5"	10'-10"	8'-2"	53'-10"	56'-2"	58'-1"	59'-7"	10'-4"	10
70'	11'-10"	9'-3"	33'-11"	5'-8"	34'-2"	28'-7"	22'-10"	16'-10"	25'-7"	30'-7"	31'-11"	32'-11"	19'-4"	15'-11"	12'-8"	9'-5"	62'-6"	65'-3"	67'-6"	69'-3"	11'-2"	15
85'	15'-9"	13'-0"	46'-8"	6'-9"	41'-8"	34'-11"	27'-11"	20'-9"	40'-4"	43'-0"	44'-7"	45'-10"	20'-0"	16'-5"	13'-2"	9'-11"	75'-5"	78'-9"	81'-6"	83'-8"	12'-8"	20

IMPORTANT: Keep all shields and safety devices in place at all times. Observe all safety signs and warnings shown on the product and in the operator's manual. Mayrath reserves the right to change design and/or specifications without notice or obligation.



P.O. Box 629 • Clay Center, KS 67432
 Ph. (785) 632-2161 • FAX (785) 632-5964
www.hutchweb.com

Call Toll-Free
1-800-523-6993
 For more information.

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