

DRIVE, BELTING & PULLEY SPECIFICATIONS

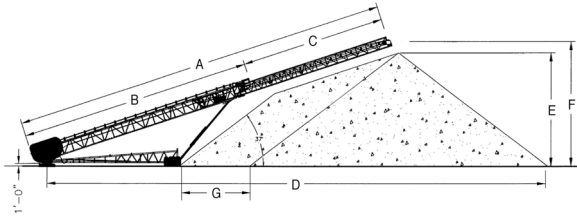
Main (Outer) Conveyor

Model	Capacity	Motor	Reducer	Belting	Belt Speed	Head Pulley	Tail Pulley
T115-5	500 STPH	30 HP	TXT515	36"x154' 330PIW 3 Ply	351 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T115-8	800 STPH	40 HP	TXT615	36"x154' 330PIW 3 Ply	488 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T140-5	500 STPH	30 HP	TXT515	36"x170' 330PIW 3 Ply	351 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T140-8	800 STPH	40 HP	TXT615	36"x170' 330PIW 3 Ply	488 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T140-10	1000 STPH	50 HP	TXT715	36"x170' 330PIW 3 Ply	490 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T150-5	500 STPH	30 HP	TXT515	36"x178' 330PIW 3 Ply	351 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T150-8	800 STPH	40 HP	TXT615	36"x178' 330PIW 3 Ply	488 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T150-10	1000 STPH	50 HP	TXT715	36"x178' 330PIW 3 Ply	490 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T170-5	500 STPH	25 HP	TXT515	36"x203' 330PIW 3 Ply	484 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T170-8	800 STPH	(2) 20 HP	(2) TXT415	36"x203' 330PIW 3 Ply	491 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T170-10	1000 STPH	(2) 25 HP	(2) TXT515	36"x203' 330PIW 3 Ply	484 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T190-5	500 STPH	30 HP	-	36"x227' 330PIW 3 Ply	493 fpm	Ø19½"x39", ½" Dia. Lag.	Ø14"x38"
T135-12	1200 STPH	50 HP	TXT715	42"x175' 375PIW 3 Ply	460 fpm	Ø20"x44", ½" Dia. Lag.	Ø18"x44"
T135-15	1500 STPH	60 HP	TXT815	42"x175' 375PIW 3 Ply	517 fpm	Ø20"x44", ½" Dia. Lag.	Ø18"x44"
T150-12	1200 STPH	(2) 25 HP	(2) TA4207H15	42"x189' 375PIW 3 Ply	517 fpm	Ø20"x44", ½" Dia. Lag.	Ø18"x44"
T150-15	1500 STPH	(2) 30 HP	(2) TA5215H15	42"x189' 375PIW 3 Ply	518 fpm	Ø20"x44", ½" Dia. Lag.	Ø18"x44"
T170-12	1200 STPH	(2) 25 HP	(2) TA4207H15	42"x200' 375PIW 3 Ply	517 fpm	Ø20"x44", ½" Dia. Lag.	Ø18"x44"
T170-15	1500 STPH	(2) 30 HP	(2) TA5215H15	42"x200' 375PIW 3 Ply	517 fpm	Ø20"x44", ½" Dia. Lag.	Ø18"x44"
T150-20	2000 STPH	(2) 40 HP	(2) TA6307H15	48"x194' 400PIW 4 Ply	543 fpm	Ø20"x51", ½" Dia. Lag.	Ø18"x51"

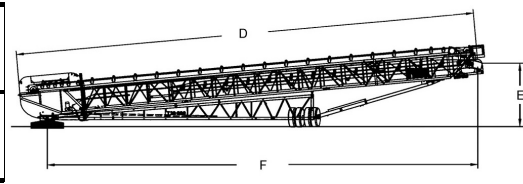
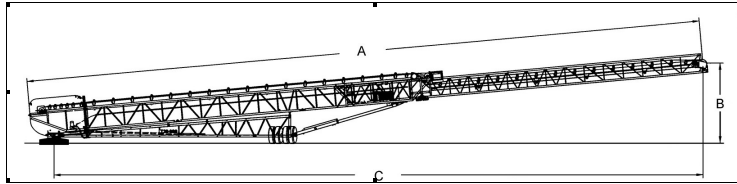
Telescopic (Inner) Conveyor

Model	Capacity	Motor	Reducer	Belting	Belt Speed	Head Pulley	Tail Pulley
T115-5	500 STPH	(2) 7.5 HP	(2) TXT315	36"x103' 330PIW 3 Ply	411 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T115-8	800 STPH	(2) 10 HP	(2) TXT315	36"x103' 330PIW 3 Ply	528 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T140-5	500 STPH	(2) 7.5 HP	(2) TXT315	36"x124' 330PIW 3 Ply	411 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T140-8	800 STPH	(2) 10 HP	(2) TXT315	36"x124' 330PIW 3 Ply	528 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T140-10	1000 STPH	(2) 15 HP	(2) TXT415	36"x124' 330PIW 3 Ply	519 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T150-5	500 STPH	(2) 7.5 HP	(2) TXT315	36"x136' 330PIW 3 Ply	411 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T150-8	800 STPH	(2) 10 HP	(2) TXT315	36"x136' 330PIW 3 Ply	528 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T150-10	1000 STPH	(2) 15 HP	(2) TXT415	36"x136' 330PIW 3 Ply	519 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T170-5	500 STPH	(2) 10 HP	(2) TXT315	36"x154' 330PIW 3 Ply	528 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T170-8	800 STPH	(2) 15 HP	(2) TXT315	36"x154' 330PIW 3 Ply	528 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T170-10	1000 STPH	(2) 20 HP	(2) TXT415	36"x154' 330PIW 3 Ply	519 fpm	Ø16"x38", ½" Dia. Lag.	Ø14"x38"
T190-5	500 STPH	20 HP	-	36"x178' 330PIW 3 Ply	512 fpm	Ø15¾"x39", ½" Dia. Lag.	Ø14"x38"
T135-12	1200 STPH	(2) 15 HP	(2) TXT415	42"x117' 375PIW 3 Ply	479 fpm	Ø18"x44", ½" Dia. Lag.	Ø16"x44"
T135-15	1500 STPH	(2) 20 HP	(2) TXT515	42"x117' 375PIW 3 Ply	524 fpm	Ø18"x44", ½" Dia. Lag.	Ø16"x44"
T150-12	1200 STPH	(2) 20 HP	(2) TA3203H15	42"x133' 375PIW 3 Ply	535 fpm	Ø18"x44", ½" Dia. Lag.	Ø16"x44"
T150-15	1500 STPH	(2) 20 HP	(2) TA4207H15	42"x133' 375PIW 3 Ply	538 fpm	Ø18"x44", ½" Dia. Lag.	Ø16"x44"
T170-12	1200 STPH	(2) 20 HP	(2) TA3203H15	42"x150' 375PIW 3 Ply	535 fpm	Ø18"x44", ½" Dia. Lag.	Ø16"x44"
T170-15	1500 STPH	(2) 25 HP	(2) TA4207H15	42"x150' 375PIW 3 Ply	535 fpm	Ø18"x44", ½" Dia. Lag.	Ø16"x44"
T150-20	2000 STPH	(2) 30 HP	(2) TA4207H15	48"x140' 500PIW 4 Ply	587 fpm	Ø18"x51", ½" Dia. Lag.	Ø16"x51"

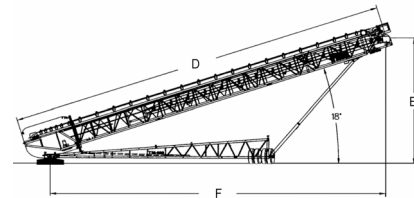
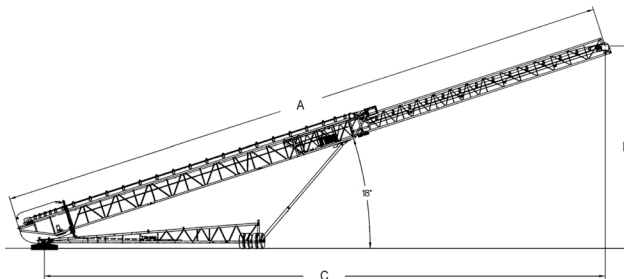
CONVEYOR DIMENSIONS



Model	A	B	C	D	E	F	G
T115-5/8	115' - 0"	78' - 3"	36' - 10"	153' - 5"	34' - 2"	37' - 8"	20' - 7"
T140-5/8/10	140' - 0"	86' - 2"	53' - 10"	192' - 11"	43' - 0"	45' - 7"	26' - 5"
T150-5/8/10	150' - 0"	90' - 2"	59' - 10"	212' - 0"	51' - 6"	54' - 0"	16' - 10"
T170-5/8/10	170' - 0"	102' - 3"	67' - 4"	232' - 8"	51' - 8"	54' - 6"	29' - 4"
T190-5	190' - 0"	114' - 1"	75' - 9"	260' - 11"	58' - 11"	61' - 6"	31' - 0"
T135-12/15	135' - 0"	87' - 11"	47' - 2"	182' - 2"	40' - 9"	44' - 5"	22' - 0"
T150-12/15	150' - 0"	95' - 2"	54' - 11"	207' - 7"	46' - 10"	49' - 8"	24' - 3"
T170-12/15	170' - 0"	102' - 6"	65' - 7"	232' - 8"	51' - 8"	54' - 7"	29' - 4"
T150-20	150' - 0"	94' - 6"	55' - 9"	207' - 7"	46' - 10"	49' - 0"	24' - 3"



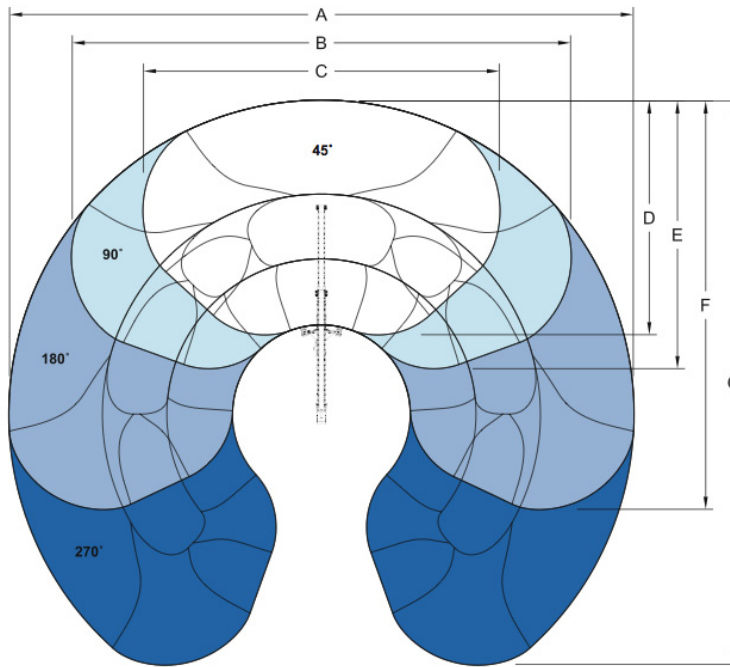
Model	A	B	C	D	E	F
T115-5/8	115' - 0"	17' - 4"	109' - 3"	76' - 9"	12' - 6"	71' - 3"
T140-5/8/10	140' - 0"	16' - 5"	134' - 7"	84' - 8"	11' - 6"	79' - 5"
T150-5/8/10	150' - 0"	16' - 5"	144' - 8"	88' - 8"	11' - 4"	83' - 6"
T170-5/8/10	170' - 0"	16' - 3"	164' - 4"	102' - 6"	11' - 6"	97' - 4"
T190-5	190' - 0"	16' - 3"	184' - 9"	114' - 5"	11' - 5"	109' - 3"
T135-12/15	135' - 0"	16' - 3"	129' - 7"	86' - 10"	12' - 0"	81' - 6"
T150-12/15	150' - 0"	15' - 8"	144' - 9"	93' - 10"	11' - 5"	88' - 8"
T170-12/15	170' - 0"	15' - 7"	162' - 10"	102' - 7"	11' - 5"	97' - 6"
T150-20	150' - 0"	15' - 3"	145' - 9"	94' - 6"	11' - 2"	89' - 7"



Model	A	B	C	D	E	F
T115-5/8	115' - 0"	37' - 8"	104' - 4"	76' - 9"	25' - 9"	67' - 11"
T140-5/8/10	140' - 0"	45' - 7"	128' - 1"	84' - 8"	28' - 9"	75' - 6"
T150-5/8/10	150' - 0"	54' - 0"	135' - 8"	88' - 8"	33' - 0"	78' - 0"
T170-5/8/10	170' - 0"	54' - 6"	156' - 3"	102' - 6"	34' - 1"	92' - 4"
T190-5	190' - 0"	61' - 6"	175' - 4"	114' - 5"	38' - 2"	103' - 6"
T135-12/15	135' - 0"	44' - 5"	123' - 2"	86' - 10"	29' - 8"	77' - 3"
T150-12/15	150' - 0"	49' - 8"	137' - 4"	93' - 10"	32' - 3"	83' - 10"
T170-12/15	170' - 0"	54' - 6"	154' - 6"	102' - 7"	34' - 8"	92' - 3"
T150-20	150' - 0"	49' - 0"	137' - 9"	94' - 6"	31' - 11"	84' - 11"

* Dimensions for T150-5/8/10 based on 20° incline

STOCKPILE SPECIFICATIONS



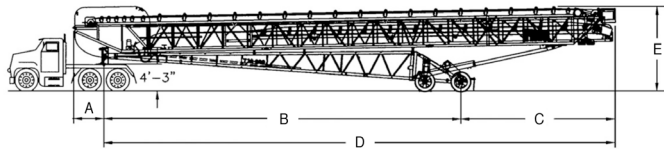
Model	A	B	C	D	E	F	G
T115-5/8	312' - 2"	246' - 5"	174' - 3"	116' - 0"	132' - 2"	201' - 4"	279' - 3"
T140-5/8/10	385' - 10"	301' - 8"	212' - 11"	145' - 6"	165' - 0"	249' - 0"	343' - 9"
T150-5/8/10	424' - 1"	351' - 5"	258' - 5"	162' - 4"	186' - 5"	285' - 0"	387' - 9"
T170-5/8/10	465' - 4"	378' - 11"	272' - 6"	174' - 6"	199' - 1"	304' - 10"	422' - 0"
T190-5	522' - 0"	436' - 1"	318' - 6"	197' - 8"	225' - 6"	346' - 11"	479' - 1"
T135-12/15	362' - 5"	308' - 6"	230' - 6"	137' - 3"	158' - 8"	247' - 2"	335' - 5"
T150-12/15	414' - 3"	331' - 0"	236' - 4"	154' - 7"	177' - 1"	270' - 0"	372' - 7"
T170-12/15	465' - 4"	378' - 11"	272' - 6"	174' - 6"	199' - 1"	304' - 10"	422' - 0"
T150-20	414' - 3"	331' - 0"	236' - 4"	154' - 7"	177' - 1"	270' - 0"	372' - 7"

STOCKPILE CAPACITIES

Model	Belt Width	45°	90°	180°	270°	For Each Additional 1°
T115-5/8	36"	254,820 ft ³	425,019 ft ³	765,421 ft ³	1,105,825 ft ³	3,782 ft ³
		12,741 Tons	21,251 Tons	38,271 Tons	55,291 Tons	189 Tons
T140-5/8/10	36"	496,164 ft ³	824,593 ft ³	1,481,487 ft ³	2,138,387 ft ³	7,233 ft ³
		24,808 Tons	41,230 Tons	74,074 Tons	106,919 Tons	362 Tons
T150-5/8/10	36"	759,004 ft ³	1,216,197 ft ³	2,130,553 ft ³	3,044,913 ft ³	10,156 ft ³
		37,950 Tons	60,810 Tons	106,528 Tons	152,246 Tons	508 Tons
T170-5/8/10	36"	886,745 ft ³	1,456,243 ft ³	2,594,833 ft ³	3,734,134 ft ³	12,645 ft ³
		44,337 Tons	72,812 Tons	129,742 Tons	186,707 Tons	632 Tons
T190-5	36"	1,300,730 ft ³	2,114,563 ft ³	3,742,157 ft ³	5,369,706 ft ³	18,084 ft ³
		65,037 Tons	105,728 Tons	187,108 Tons	268,485 Tons	904 Tons
T135-12/15	42"	467,340 ft ³	738,455 ft ³	1,280,680 ft ³	1,822,926 ft ³	6,025 ft ³
		23,367 Tons	36,922 Tons	64,034 Tons	91,146 Tons	301 Tons
T150-12/15	42"	629,598 ft ³	1,037,106 ft ³	1,852,115 ft ³	2,667,127 ft ³	9,047 ft ³
		31,480 Tons	51,855 Tons	92,606 Tons	133,356 Tons	452 Tons
T170-12/15	36"	886,745 ft ³	1,456,243 ft ³	2,594,833 ft ³	3,734,134 ft ³	12,645 ft ³
		44,337 Tons	72,812 Tons	129,742 Tons	186,707 Tons	632 Tons
T150-20	48"	629,598 ft ³	1,037,106 ft ³	1,852,115 ft ³	2,667,127 ft ³	9,047 ft ³
		31,480 Tons	51,855 Tons	92,606 Tons	133,356 Tons	452 Tons

TRANSPORTATION SPECIFICATIONS

Transport Dimensions

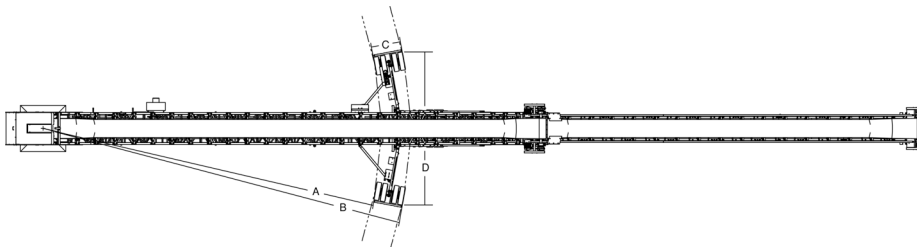


Model	A	B	C	D	E	Transport Width
T115-5/8	5' - 4"	50' - 8"	22' - 10"	73' - 6"	13' - 9"	11' - 6"
T140-5/8/10	5' - 4"	56' - 11"	24' - 7"	81' - 6"	13' - 7"	11' - 6"
T150-5/8/10	5' - 4"	62' - 8"	22' - 10"	85' - 6"	13' - 9"	11' - 6"
T170-5/8/10	5' - 4"	70' - 7"	28' - 1"	98' - 8"	13' - 11"	11' - 6"
T190-5	5' - 4"	78' - 5"	32' - 0"	110' - 6"	13' - 10"	11' - 6"
T135-12/15	5' - 4"	56' - 11"	26' - 5"	83' - 4"	13' - 11"	12' - 0"
T150-12/15	5' - 4"	63' - 11"	26' - 8"	90' - 7"	13' - 9"	12' - 0"
T170-12/15	5' - 4"	70' - 7"	28' - 2"	98' - 10"	14' - 0"	12' - 0"
T150-20	5' - 4"	64' - 5"	26' - 10"	91' - 3"	13' - 9"	12' - 8"

Transport Weights (Approx. Weights Only)

Model	At Kingpin	At Axles	Total Weight
T115-5/8	15,150 lbs.	28,000 lbs.	43,150 lbs.
T140-5/8/10	17,000 lbs.	28,600 lbs.	45,600 lbs.
T150-5/8/10	17,900 lbs.	28,650 lbs.	46,550 lbs.
T170-5/8/10	16,000 lbs.	35,600 lbs.	51,600 lbs.
T190-5	19,700 lbs.	37,300 lbs.	57,000 lbs.
T135-12/15	17,400 lbs.	33,600 lbs.	51,000 lbs.
T150-12/15	16,500 lbs.	39,200 lbs.	55,600 lbs.
T170-12/15	20,800 lbs.	41,400 lbs.	62,200 lbs.
T150-20	21,953 lbs.	43,998 lbs.	65,951 lbs.

RADIAL DIMENSIONS



Model	A	B	C	D
T115-5/8	39' - 7"	44' - 9"	5' - 2"	
T140-5/8/10	45' - 9"	50' - 11"	5' - 2"	
T150-5/8/10	51' - 6"	56' - 8"	5' - 2"	
T170-5/8/10	59' - 7"	64' - 9"	5' - 2"	
T190-5	67' - 5"	72' - 7"	5' - 2"	
T135-12/15	45' - 9"	50' - 11"	5' - 2"	
T150-12/15	52' - 10"	58' - 0"	5' - 2"	
T170-12/15	59' - 7"	64' - 9"	5' - 2"	
T150-20	53' - 8"	58' - 10"	5' - 2"	

NOTE: The radial zone must be kept clear of build-up and debris and must be level and smooth. **DIMENSIONS MAY VARY, VERIFY ALL DIMENSIONS ON SITE**

STANDARD EQUIPMENT OVERVIEW

STEEL WORK

Standard Component	Information
Guarding	Safety guards at all pinch points and galvanized steel meshing are standard. Local requirements, if any, are to be made by the customer.
Hydraulic Undercarriage	The forward support frame is constructed of HSS structural steel tubing. This is used to raise and lower the conveyors hydraulically.
Load Equalizing System (L.E.S.)	This patented system is exclusive to Thor conveyors and is designed to handle the constantly changing loads as the inner conveyor extends and retracts.
Loading Hopper	Stone box, or tapered chute, fabricated from 1/4" plate with flashing of UHMW Polypropylene plastic that "floats" on the belt to eliminate spillage.
Radial Transport Axle	A wheelbase of 27' in radial position offers great stability during operation and safe transportation in travel position. The axle uses an outrigger style framework with 8 tires mounted to a standard 10-stud hub. Wheels are equipped with air-actuated brakes for transport. An optional auxiliary (tag) axle can be supplied when required by law for road restrictions.
Radial Axle Wheel Drive	Wheel drive utilizes a 1.5 HP SEW Eurodrive Parallel Helical Gear Motor assembly (15,600lb-in torque) and is controlled with a Movitrac 07 variable frequency drive.
Surface Coating	Surface Preparation: SP3 (wire brush and solvent cleaning). Sand blasting is optional. Primer and Topcoat System: Allcure 331- 2 component high solids EPOXY. Extreme salt/chemical corrosion resistance. Min. DFT 4-6 mils.
Truss Frame	Main "outer" truss frame is constructed from heavy structural angle iron. The extendible telescopic "inner" truss frame is manufactured using rectangular tubing and hollow structural steel (HSS).
Transport Hitch	King-pin, counterweight and side plate assemblies are designed to allow ample turning clearance for most 5 th wheel tractors.

COMPONENTRY

Standard Component	Information
Belt Scraper	Manufactured from longwearing, tough 3/4" thick 10" wide urethane blade c/w extension spring.
Conveyor Belting	Premium quality and high tensile strength. Standard covers with hot vulcanized splice .
Idlers (Troughing)	The main conveyor utilizes STRONGCO modified CEMA C , Ø5" steel or titanium enriched PVC idlers with 20° (loading) and 35° (regular) troughs.
Idlers (Return)	CEMA C Ø5" rubber disc returns.

STANDARD EQUIPMENT OVERVIEW

COMPONENTRY

Standard Component	Information
Winch Safety Braking System	Braking pin is manually engaged in the unlikely event of winch cable failure. System includes a trip-switch and alarm to notify the operator.
Winch Telescopic Extend/Retract	Telescopic action utilizes a 1.5 HP or 3.0 HP SEW Eurodrive Parallel Helical Gear Motor driving an Ø8-5/8" drum with a Ø9/16", 6 x 26 fibercore wire cable winch package, which moves the conveyor approximately 9.4 fpm.
Winch Ratchet System	This system utilizes the PLC to constantly monitor the tension of the winch cables to ensure proper function.

ELECTRICAL

Standard Component	Information
Automation	The unit comes fully automated or manually operated with the use of an Allen Bradley SLC 500 series processor, ultrasonic sensors and inductive proximity sensors. A Cutler Hammer touch screen allows the operator to input all variables and parameters for the desired stockpile.
Electrical Panel	NEMA 4 (weather-proof) enclosure with 575V/460V, 3 phase, 60 Hz, Allen Bradley starters. NEMA rated starters are optional
Pulleys	All pulleys are crown faced, secured by X.T.H. weld-free hubs. All drive pulleys are high strength, distortion free, precision ground steel shafts.