

QUOTE



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Marshall, IL 62441
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DATE	QUOTE #
1/31/2014	Q2593

Name / Address
City of O'Fallon Illinois Frank Shewmaker O'Fallon, IL 62269

Ship To

Date	Rep
1/31/2014	TCC

Item Number	Description	Qty	Each	Total
KC2470SSP/SS	KIMCO KC2470SSP (24" WIDE 70' LONG) CONVEYOR WITH 304 STAINLESS STEEL UNDERCARRIAGE AND PTO POWERED	1	41,463.75	41,463.75T
KH3TSS/MS	KIMCO KH3TSS 3-TON 304 STAINLESS STEEL SALT HOPPER WITH MILD STEEL GRATES		0.00	0.00T
			0.00%	0.00
Total				\$41,463.75

**KIMCO USA PORTABLE CONVEYOR
MODEL KC 2470SSP
(304 Stainless Steel Undercarriage)**

GENERAL:

- Length: – 70 feet (Center of Head Roller to Center of Tail Roller)
- Width: – 24 inch (Belt Width)
- Conveyor Capacity: – 300 TPH (based on salt at 70 lbs. per cubic ft. and an angle of 32 degrees)
- Maximum Transport Height: – 13 feet 6 inches
- Maximum Transport Length: – 75 feet
- Maximum Transport Speed: – Safe up to 50 MPH
- Operating Height: – Adjustable up to 35 feet
- Slider Pad: – $\frac{5}{8}$ UHMW in lieu of rollers
- Return Idlers: – Pobco with stainless steel shaft
– Length – 26" x diameter – $2\frac{7}{8}$ "

CONVEYOR CONSTRUCTION:

- Conveyor Sides and Bracing: – 10 gauge 304 stainless steel bracing
– 2" x 2" x $\frac{1}{4}$ " angle cord and $1\frac{1}{2}$ " x $\frac{3}{16}$ " webbing in 304 stainless steel
- Undertruss: – 2" x 6" x $\frac{3}{16}$ " 304 stainless steel formed angle web support with $\frac{3}{16}$ " plate reinforcement for hydraulic cylinder support
- Dust Covers: – 18 gauge 304 stainless steel
- Deflector: – 10 gauge 304 stainless steel
– $\frac{1}{2}$ " x 1" 304 stainless steel adjusting handle with multiple settings
– $\frac{5}{32}$ " dual stainless steel cables
– Deflector Fins
- Hitch: – 2" x 6" x $\frac{1}{4}$ " 304 stainless steel rectangular tube hitch frame
– 3" I.D. Pintle Eye Hitch painted with anti-corrosive paint (4,500 lbs. maximum vertical tongue weight, 22,000 lbs. maximum gross tongue weight)

DRIVE SYSTEM:

- Belt Speed: – 800 to 900 FPM (as required to cast salt 10–12 feet beyond discharge point)
- Power Source: – PTO No. 35 Drive Shaft
- Drive Roller: – Vulcanized rubber lagging, 10" diameter x 26" with 1¹⁵/₁₆" shaft (turned down to 1 7/16" on one end to accept PTO shaft, and (2) 1¹⁵/₁₆" Pillow Block Bearing
- Tail Roller: – 8" diameter x 26" Wing Roller with 1 7/16" shaft and (2) 1⁷/₁₆" Four Bolt Bearing
- Head Roller: – 8" diameter x 26" Wing Roller with 1⁷/₁₆" shaft and (2) 1⁷/₁₆" Four Bolt Bearing
- Belt Track Roller: – 6" Diameter x 26" Steel–smooth face roller with 1⁷/₁₆" shaft and (2) 1⁷/₁₆" Pillow Block Bearing
- Take–up Roller: – 8" Diameter x 26" Steel–smooth face Roller with 1⁷/₁₆" shaft and (2) 1⁷/₁₆" Take–up Bearing

BELTING:

- Width: – 24" Minimum
- Type: – PVC 200# Crescent Top
- Splice: – #3 stainless steel laced

CHARGE HOPPER:

- Type: – 10 gauge 304 stainless steel 36" W x 32" L x 30" H

UNDERCARRIAGE REQUIREMENTS:

- Undercarriage: – 3" x 6" x 3/16" 304 stainless steel tube
- 2" x 2" x 1/4" 304 stainless steel tube support stand
- Axle: – 8,000 lb. – oil hub with 5/8" studs
- Tires: – 215/75R – 17.5 (4,500# radial tires)
- Wheels: – 17.5 x 6.75 – 8 stud, heavy–duty conventional 6,200# steel wheels
- Wheel Nuts: – 5/8" – #18 Flange nut
- Hydraulic Lifting System: – Vertical hydraulic telescopic 3–stage cylinder 120"-123" stroke, Nitride Coating for corrosion

KIMCO KC2470SSP Conveyor

resistance, with safety relief valve (adjustable to heights 13' 6" – 35'), hydraulic requirements of 2000 PSI / 20 GPM, hoses, and hardware

Safety Chains:

- (2) safety chains to lock into operating position
3/8" alloy steel chain, 1/2" stainless steel aircraft cable, Crosby alloy safety shackles and hooks (operating support chains and cables for conveyor)
- (2) 3/8" alloy steel chain (for tow chains)

Lift Jack:

- Heavy-duty 10,000# dropleg jack
- Dual 12" (4.10/6) diameter 1,350# swivel wheel with solid rubber or urethane tires

Grease Tubes:

- Stainless steel grease tubes for head roller (for easy access from ground)

**KIMCO USA STAINLESS STEEL HOPPER
MODEL KH 3TSS**

3 Ton Hopper Dimensions:	- 5' x 10' - 10 gauge - 304 stainless steel
Hopper Legs:	- $\frac{3}{16}$ " plate - 304 stainless steel (formed channel)
Door Handle:	- 1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " - 304 stainless steel (square tubing)
Door Rail:	- 1" x $\frac{1}{2}$ " - 304 stainless steel (flat bar)
Adjustable Door Assembly:	- $\frac{1}{4}$ " plate - 304 stainless steel
Lift Pads:	- $\frac{3}{16}$ " plate - 304 stainless steel
Skids:	- $\frac{3}{16}$ " plate - 304 stainless steel (formed channel)
Screen:	- $\frac{1}{2}$ " round vertical bar on 5" centers (mild steel) - 1 $\frac{1}{2}$ " x $\frac{1}{4}$ " flat horizontal bar on 5" centers (mild steel) - 2" x $\frac{3}{8}$ " flat bar border (mild steel)
Ladder:	- 304 stainless steel angle 16" W x 5' H
Vibrator	-- Single phase, 115V/60HZ, w/control box -- Strobe light
Channel for Vibrator	-- Formed 304 stainless steel



KIMCO USA
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INC.

