

Series 1400

Portable Surge Bin



Hopper

- Capacity - 20 cu. yd. [15.3 cu m]
- Top Opening - 16' [4.9 m] x 7'-9" [2.4 m]
- Manual Adjust Radial Discharge Gate

Belt Feeder

- Channel Frame
- Drive – electric motor gear reducer drive
- Pulleys – grooved rubber lagged head pulley; steel drum tail pulley
- Idlers - CEMA C5, steel roll
- Belt – 2 ply, 220 PIW with 3/16" [4.8 mm] top x 1/16" [1.6 mm] bottom covers; vulcanized splice
- Take up – 6" [153 mm] screw

Conveyor

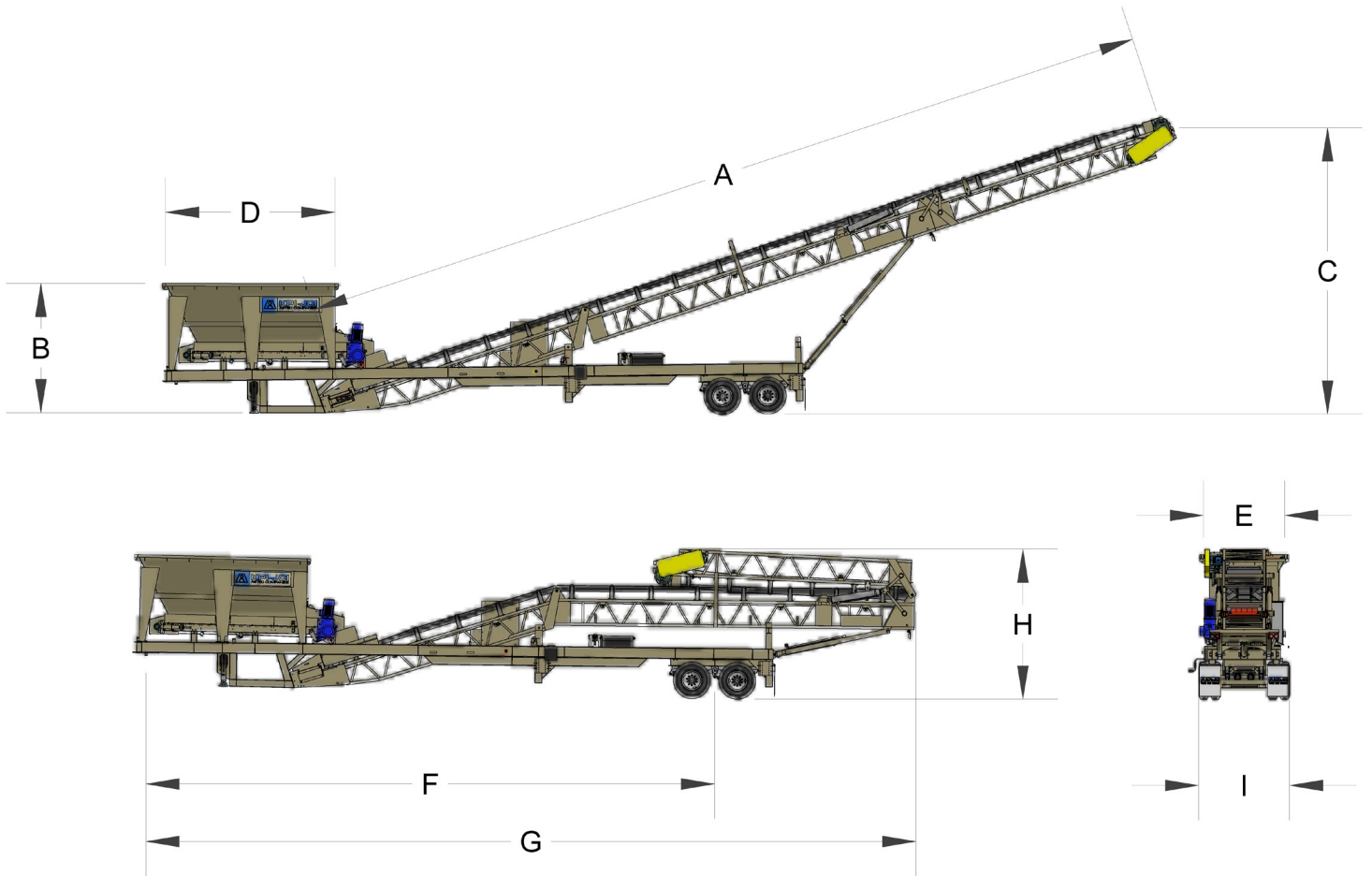
- Lattice Frame
- Drive – Head End; 3/60/460 TEFC electric motor; Class I Dodge shaft mount reducer with backstop; v-belt drive motor mounts and guards; belt speed is 350 fpm [1.8 m/s]
- Pulleys – grooved rubber lagged head pulley with Dodge bearings; self-cleaning steel wing tail pulley with Dodge bearings
- Idlers - CEMA B5, steel roll
- Belt – 2 ply, 220 PIW with 1/8" [3.2 mm] top x 1/16" [1.6 mm] bottom covers; mechanical fasteners
- Take up – 12" [305 mm] screw

Undercarriage

- Adjustable height pin lock undercarriage
- Single or tandem axle with dual 11:00 x 22.5 tires
- King pin style gooseneck
- Manual landing jacks
- Air brakes
- Travel lights – brake and directional
- Mud flaps

Options

- Belt Cleaners - Martin with tensioner
- Undercarriage Lift Cylinder
- 7.5 HP [5.6kW] electric/hydraulic power pack
- CEMA C Idlers for Conveyor
- Impact Idlers for feeder
- Impact Idlers for conveyor
- Rubber Disc Return Idlers
- Grade 2, 3 ply 330 PIW, 3/16" [4.8 mm] x 1/16" [1.6 mm] Belt
- Vulcanized Belt Splice - on conveyor
- Sloped Grizzly – Manual or Hydraulic Dump
- Remote Control for Hydraulic Grizzly Dump
- Hydraulic Top Fold for conveyor
- Discharge Hood for conveyor
- Control Panel – includes across the line starter for conveyor, variable frequency drive for feeder and starter for grizzly power pack (if applicable); also includes motor cables wired to the panel



Dimensions

	1430-60-20		1436-60-20		1430-70-20		1436-70-20		1430-80-20		1436-80-20	
	Std.	Metric	Std.	Metric	Std.	Metric	Std.	Metric	Std.	Metric	Std.	Metric
Conveyor Length (A)	60	18.3 m	60	18.3 m	70	21.3 m	70	21.3 m	80	24.4 m	80	24.4 m
Feed Height (B)	12'-1"	3.7 m	12'-1"	3.7 m	12'-1"	3.7 m	12'-1"	3.7 m	12'-2"	3.7 m	12'-2"	3.7 m
Maximum Discharge Height (Cmax)	19'-10"	6.0 m	19'-10"	6.0 m	23'-8"	7.2 m	23'-8"	7.2 m	26'-10"	8.2 m	26'-10"	8.2 m
Minimum Discharge Height (Cmin)	17'-2"	5.2 m	17'-2"	5.2 m	20'-10"	6.4 m	20'-10"	6.4 m	23'-7"	7.2 m	23'-7"	7.2 m
Hopper Length (D)	16'-0"	4.9 m	16'-0"	4.9 m	16'-0"	4.9 m	16'-0"	4.9 m	16'-0"	4.9 m	16'-0"	4.9 m
Hopper Width (E)	7'-9"	2.4m	7'-9"	2.4m	7'-9"	2.4m	7'-9"	2.4m	7'-9"	2.4m	7'-9"	2.4m
Travel Length - King Pin to Center of Axle (F)	48'-2"	14.7 m	48'-2"	14.7 m	48'-1"	14.7 m	48'-1"	14.7 m	53'-3'	16.2 m	53'-3'	16.2 m
Travel Length - King Pin to Rear (G)	60'-11"	18.6 m	60'-11"	18.6 m	61'-9"	18.8 m	61'-9"	18.8 m	72'-1"	22.0 m	72'-1"	22.0 m
Travel Height (H)	13'-6"	4.1 m	13'-6"	4.1 m	13'-6"	4.1 m	13'-6"	4.1 m	14'-1"	4.3 m	14'-1"	4.3 m
Travel Width (I)	9'-3"	2.8 m	9'-3"	2.8 m	9'-3"	2.8 m	9'-3"	2.8 m	8'-6"	2.6 m	8'-6"	2.6 m

Physical/Operating Characteristics

	1430-60-20		1436-60-20		1430-70-20		1436-70-20		1430-80-20		1436-80-20	
	Std.	Metric	Std.	Metric	Std.	Metric	Std.	Metric	Std.	Metric	Std.	Metric
Capacity	500 stph	455 mtph	750 stph	681 mtph	500 stph	455 mtph	750 stph	681 mtph	500 stph	455 mtph	750 stph	681 mtph
Axle	single		single		tandem		tandem		tandem		tandem	
Conveyor												
Width	30"	762 mm	36"	914 mm	30"	762 mm	36"	914 mm	30"	762 mm	36"	914 mm
Drive	15 HP	11.2 kW	20 HP	14.9 kW	20 HP	14.9 kW	25 HP	18.6 kW	20 HP	14.9 kW	30 HP	22.7 kW
Reducer	TA3203		TA3203		TA3203		TA4207		TA3203		TA4207	
Belt Feeder												
Width	36"	914 mm	42"	1,066 mm	36"	914 mm	42"	1,066 mm	36"	914 mm	42"	1,066 mm
Drive	15 HP	11.2 kW	20 HP	14.9 kW	15 HP	11.2 kW	20 HP	14.9 kW	15 HP	11.2 kW	25 HP	18.6 kW
Travel Weight												
Kingpin	20,000 lbs	9,070 kg	20,000 lbs	9,070 kg	21,400 lbs	9,700 kg	21,400 lbs	9,700 kg	17,600 lbs	7,980 kg	17,600 lbs	7,980 kg
Axle	20,000 lbs	9,070 kg	20,000 lbs	9,070 kg	29,000 lbs	13,200 kg	29,000 lbs	13,200 kg	27,300 lbs	12,300 kg	27,300 lbs	12,300 kg



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NOTE: CONSULT FACTORY FOR EXACT DIMENSIONS, specifications are subject to change without notice.

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