

SERIES 12

Portable Feed Conveyor



Hopper

- Capacity - 10 cu. yd. [7.65 cu. m]
- Top Opening - 12' [3.7 m] x 6' [1.8 m]
- Manual Adjust Radial Discharge Gate

Belt Feeders

- Channel Frame
- Drive – electric motor gear reducer drive
- Pulleys – grooved rubber lagged head pulley; steel drum tail pulley
- Idlers- CEMA B5, 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
- Undercarriage – manual telescoping pin lock, single axle with dual 11:00 x 22.5 tires, king pin style gooseneck, air brakes, travel lights – brake and directional, mudflaps
- Drive – Head End; electric motor; 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

Conveyor Continued

- Take up – 12" [305 mm] screw
- 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

Options

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

Physical and Operating Characteristics

	12-3060		12-3660		12-3070		12-3670	
	Standard	Metric	Standard	Metric	Standard	Metric	Standard	Metric
Conveyor Length (A)	60'	18.3m	60'	18.3m	70'	21.3 m	70'	21.3 m
Belt Feeder Width	30"	762 mm	36"	914 mm	30"	762 mm	36"	914 mm
Belt Feeder Drive	5 HP	3.7 kw	7.5 HP	5.6 kW	5HP	3.7 kW	7.5 HP	5.6 kW
Conveyor Width	30"	762 mm	36"	914 mm	30"	762 mm	36"	914 mm
Max Discharge Height (Bmax)	21' 2"	6.5 m	21' 2"	6.5 m	23' 7"	7.2 m	23' 7"	7.2 m
Min Discharge Height (Bmin)	13' 8"	4.2 m	13' 8"	4.2 m	12' 7"	3.8m	12'7"	3.8m
Travel Length (kingpin to tire)	47' 2"	14.4 m	47' 2"	14.4 m	49' 2"	15.0 m	49' 2"	15.0 m
Overall Travel Length (kingpin to rear)	72' 3"	22.0 m	72' 3"	22.0 m	67' 9"	20.7m	67' 9"	20.7m
Travel Width	9' 11"	3.0m	9' 11"	3.0m	9' 11"	3.0m	9' 11"	3.0m
Capacity	450 TPH	409 MTPH	600 TPH	545 MTPH	450 TPH	409 MTPH	600 TPH	545 MTPH
Conveyor Drive	15 HP	11.18 kW	20 HP	14.9 kW	20 HP	14.9 kW	25 HP	18.6 kW
Conveyor Head Pulley Diameter	16"	406 mm	16"	406 mm	16"	406 mm	18"	457 mm
Conveyor Tail Pulley Diameter	14"	356 mm	14"	356 mm	14"	356 mm	16"	406 mm
Kingpin Travel Weight	5,880lb	2,667 kg	5,910lb	2,681 kg	5,900 lb	2,676 kg	5,720 lb	2,595 kg
Axle Travel Weight	10,190lb	4,622 kg	13,000lb	5,897 kg	14,220 lb	6,450 kg	16,190 lb	7,344 kg

