



# 1205, 1605, & 1608 BELT FEEDERS



## SIMPLE, RELIABLE, & FLEXIBLE

- ✓ High capacity for fast feeding.
- ✓ Customize to fit your needs.
- ✓ Economical way to automate feeding

**INVESTMENT FLEXIBILITY**

*Ask Dealer for Financing Details*



# 1205, 1605, & 1608 Livestock Belt Feeders MODELS

# 1205, 1605, & 1608 Livestock Belt Feeders FEATURES

## 1205



Shown: 2-MOTOR, 1 WAY PLOW DRIVE FEEDER

- 4 Belt Speeds
- Forward: ≤120' (36.58m)  
(material moving toward drive end)
- 5" Drive Pulley
- 12" Conveyor Width
- Drive Options: Double V-Belt, Direct Drive, or Hydraulic Motor
- Adjustable elbow or straight-line one-way conveying
- Options: Idler end and central loading hopper, belt wiper, stand

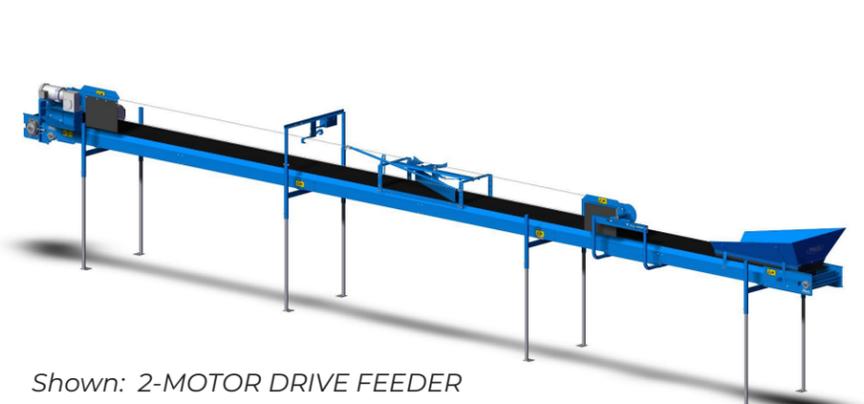
## 1605



Shown: 1-MOTOR, CHAIN DRIVE FEEDER

- 4 Belt Speeds
- Forward: ≤100' (30.48m)  
(material moving toward drive end)
- 5" Drive Pulley
- 16" Conveyor Width
- Drive Options: Double V-Belt or Direct Drive
- Adjustable elbow or straight-line one-way conveying and plow-off
- Options: Idler end and central loading hopper, belt wiper, stand

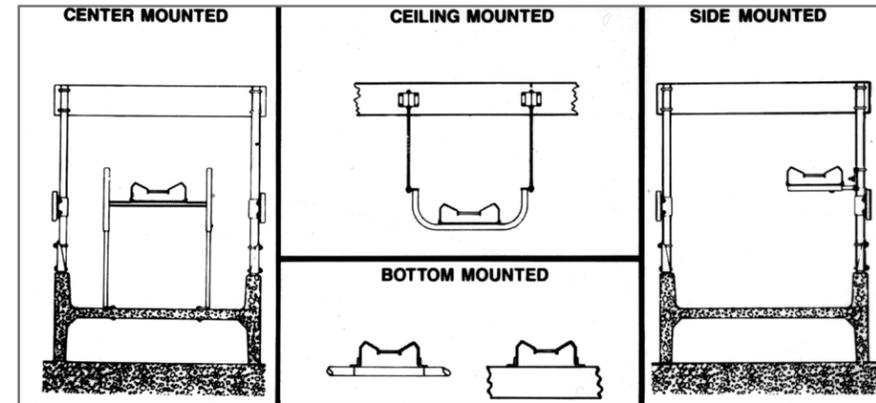
## 1608



Shown: 2-MOTOR DRIVE FEEDER

- 2 Belt Speeds
- Forward: ≤200' (60.96m)  
(material moving toward drive end)
- 8" Drive Pulley
- 16" Conveyor Width
- Heavy-duty 8" steel drive pulley is crowned and rubber lagged for positive traction
- Adjustable elbow or straight-line one-way conveying and plow-off
- Options: Idler end and central loading hopper, belt wiper, and stand

## MOUNTING OPTIONS: Center, Bottom, Ceiling, Sides



## PLOWS



One-way Floating Plow drops feed off one side of feeder only. A 2-motor drive allows different rations to be fed to two lots.

## STANDARD FEATURES



Open pan design provides for extra capacity and reduces belt friction for lower power requirements. Fin pulley helps avoid feed build-up.



Return wheels carry belt on return bottom to reduce friction for longer belt life and less strain on the drive system.



Precision bearings are sealed and greasable, ensuring a long-life and trouble-free, continuous duty.



Convenient adjustment for belt tension and tracking. A 5/8" screw provides up to 20" of belt take-up. The pulley is finned for clean-out.



Two-way Floating Plow drops feed off both sides of feeder one side at a time. A 2-motor drive and plow drive assembly allows different rations to be fed to four lots.

## OPTIONAL FEATURES



Elevate material and then convey level. When passing the elbow, the belt stays concave with a deep trough for maximum capacity.



Belt wiper urethane blade cleans the top surface of smooth belting.



Loading hopper controls material loading and helps prevent spillage. Available for idler end and central hopper.



Covers available to protect material and conveyor from wind, rain and contaminants.



One-way V-Plow drops feed off both sides of feeder simultaneously. Available on 1605 & 1608 models.

# 1205, 1605 & 1608 Belt Feeders

## SPECIFICATIONS

STANDARD Equipment	1205	1605	1608
<b>Direction</b>	Forward (material moving toward drive end)		
<b>Overall Lengths</b> Max length of individual bed section: 10' (3.05m); Bolt sections together for lengths > 10' (3.05m); Intermediate lengths are possible by field cutting	20' - 120' (6.1 - 36.57m) 10" (3.05m) increments	20' - 100' (6.1 - 30.48m) 10" (3.05m) increments	20' - 200' (6.1 - 60.96m) 10" (3.05m) increments
<b>Frame</b> concave, open center, 16 ga., powder coated steel	Depth: 6-1/2" (165mm) Width: 13" (330mm)	Depth: 6-1/2" (165mm) Width: 17" (435mm)	Depth: 6-1/2" (165mm) Width: 17" (435mm)
<b>Belt Width</b>	12" (305mm)	16" (406mm)	
<b>Belt</b> Black, PVC, 120 COS *ask about other options	Smooth; Standard or cold temp		
<b>Belt Speed</b> dependent on drive selected	65-370 FPM		260-390 FPM
<b>Drive Mount</b>	Mount in various positions to match installation requirements		
<b>Drive Motors</b>	2 - 3 HP - 1 or 3 phase electric motor drive		3 - 5 HP - 1 or 3 phase electric motor drive
<b>Drive Pulley (diameter)</b> Crowned, steel, rubber lagged	5" (127mm)		8" (203mm)
<b>Tail Pulley (diameter)</b> Finned, steel	5" (127mm)		
<b>Bearings</b> Long-life, sealed, prelubricated, greasable	1-1/4" (31.75mm) - Idler and Drive End		
<b>Belt Take-up</b>	Screw-type take-up at tail pulley		
<b>Load Capacity</b>	<56 ft <sup>3</sup> /min (1.58m <sup>3</sup> /min) 1000 lb/min (454 kg/min)	<90 ft <sup>3</sup> /min (2.55m <sup>3</sup> /min) 1600 lb/min (726 kg/min)	<95 ft <sup>3</sup> /min (2.69m <sup>3</sup> /min) 1690 lb/min (767 kg/min)
<b>Support Span</b>	≤ 20' (6.096m) conveying portion; ≤ 10' (3.05m) between supports when used as feeder		
<b>Electrical Controls</b>	Customer supplied, except optional equipment		
<b>Assembly</b>	Conveyor is shipped unassembled		
OPTIONAL Equipment	1205	1605	1608
<b>Covers</b>	10' (3.05m) lengths; 20 ga. powder coated		
<b>Loading Hoppers</b>	Material is funneled into conveyor trough		
<b>End Spout</b>	Directs material discharge		
<b>Belt Wipers</b>	Urethane wiper blade for cleaning tops of belt		
<b>Magnets</b>	Ferrous metals are captured as it travels over the magnets		
<b>Adjustable Elbow</b>	0 - 30°		
<b>Convey Sides</b>	Positions material and seals edges to prevent material from getting under belt		
<b>Plow-Off (stationary)</b>	n/a	Designate location on conveyor to plow-off in one direction	
<b>Plow-Off (moveable)</b>	One-way & Two-way straight blade	One-way & Two-way straight blade; One-way V-Plow	
<b>Electrical Control</b>	Multi-Lot tripper for 2-way plow control. Plow drive control box		



**CAUTION:** Never operate Patz equipment without all shields and guards in place. *Safety is No Accident.* Before operating any piece of equipment, be sure to read and understand the operator's manual. This manual should be kept with the machine at all times. Additionally, make sure all safety shields and devices are functioning properly and are securely in place.

For some photos in this brochure, guards were removed for photographic purposes only to allow viewing of the equipment features. Before operating equipment, all guards must be in place. Because Patz continually improves and updates products, Patz reserves the right to change the construction of machines or attachments or any part thereof without incurring any obligation to make like changes on Patz machines, or attachments previously delivered. Specifications and prices subject to change without notice.