

...Only from Eriez®

ERIEZ **V** 5-DAY **XPRESS**

When you need it!™



5-Day Xpress

- 33 standard models
- Sanitary components
- Tray sizes
 - 4 to 16 inches wide
 - 20 to 60 inches long
- Capacities to 22 tons per hour
- 115 volt/60hz/1-phase operation
- Steel-It Epoxy painted drive

Feeders Fast

XPRESS 5-DAY SHIPMENT

Feeders Fast, an *EriezXpress*™ 5-Day program, offers 33 feeder models using stock components, available for shipment within five days.* Tray sizes range from 4 to 16 inches wide, 20 to 60 inches long with capacities as high as 22 tons per hour (20 mt). These quick-ship, electromagnetic vibratory feeders from Eriez are AC powered making them extremely reliable and energy efficient – ideal for many sanitary, industrial and process applications.

* 5 day shipment conditions based on prior sale.



Eriez' Vibratory Feeders offer:

Reliability

- Low Maintenance - no rotating or moving parts, no lubrication
- Eco-Certified - energy efficient
- Solid-State Controls - compact NEMA 12 type, IP54 enclosures ideal of automation
- Accepts analog signals (4-20 MA of 0-10 VDC)
- Remote on/off

Flexibility

- Accurately Feeds Most Products - models are designed to feed damp, light, dense, heavy, fluffy, sticky, leafy and most difficult to move product
- Fits All Applications - from packaging, batching, metering and more

Versatility

- Easily integrated into feed systems
- Sanitary Construction
 - Trays - 304 Stainless steel, continuously welded with a glass beaded finish
- Drives - 115 Volt / 60 hz / 1-phase operation
- Drive painted with Steel-It epoxy FDA approved

Model A Feeders

The smallest feeder in the line, this economical model will give precise feeding of the most minute amounts of materials. It is ideal for feeding a regulated amount of granular to small lump material from a hopper to a second process, in small packaging operations or laboratory use.

These feeders control material flow from a few pounds per minute to 2 tons per hour.



FEEDER MODEL	TRAY TYPE	TRAY WIDTH		TRAY LENGTH		CAPACITY*	
		in	mm	in	mm	cu ft/hr	cu m/hr
15A	Medium Flat	4	102	20	508	25	0.707
15A	Wide Flat	7	178	14	356	40	1.13

Model C Feeders

Larger than Model A Feeders, these units use the same patented drive that provides the best linearity in the industry. Special construction is also available for Class II, Group F and G installation.



FEEDER MODEL	TRAY TYPE	TRAY WIDTH		TRAY LENGTH		CAPACITY*	
		in	mm	in	mm	cu ft/hr	cu m/hr
26C	Medium Flat	5	127	22	559	65	1.84
26C	Wide Flat	7	178	20	508	80	2.265
36C	Narrow Flat	6	152	36	914	70	1.98
36C	Medium Flat	8	203	30	762	90	2.55
36C	Wide Flat	10	254	24	610	140	3.96
46C	Wide Flat	12	305	30	762	220	6.23
46C	Wide Flat	14	356	24	610	330	9.35
46C	Narrow Flat	10	254	38	965	240	6.80
46C	Medium Flat	14	356	30	762	330	9.35
56C	Narrow Flat	12	305	42	1067	375	10.62
66C	Medium Flat	14	356	60	1524	435	12.32
66C	Wide Flat	16	406	48	1219	460	13.02

* Maximum Material Loads: A and C Feeders - 100lb/cu ft (1600kg/m³)



- 1 304 stainless steel, continuously welded, sanitary construction
- 2 Glass beaded finish
- 3 Steel-It epoxy
- 4 AC electromagnetic drive



Drive Operation

In the diagram below, the poles of the permanent magnet are shown intermeshed in the air gaps of the AC electromagnet. The polarity of the permanent magnet is fixed, while the polarity of the electromagnet alternates creating the vibratory motion.

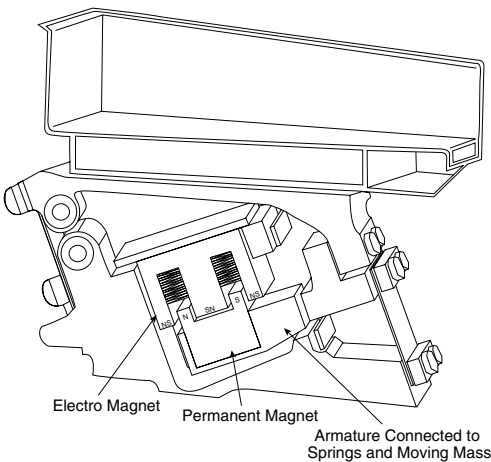
The electromagnet polarity is shown as it exists on one side of the AC sine wave.

When energized, both poles of the permanent magnet are attracted toward the unlike electromagnet poles while being repelled in the same direction by the like poles. This creates four forces acting together to drive the armature and moving mass in the same direction.

On the opposite side of the sine wave, the polarities of the electromagnet are reversed; the armature is driven in the opposite direction completing the vibratory cycle.

Amplitude Control

These drives offer 100% variable feed rate control. The amplitude of the vibration is directly controlled by the amount of AC voltage applied to the poles. Simple variation of the AC voltage results in similar amplitude variation from zero to maximum.



Model HS Feeders

Eriez AC operated Hi-Speed Feeders have been designed for exceptionally high speed feeding of light, bulky materials. They provide greater economy and efficiency in feeding, filling, etc., and are ideal for use in conjunction with many weigh scale and packaging machines.



These feeders operate at speeds up to 75% greater than standard models; however, they do follow many of the basic tried and proven mechanical design and construction features of other Hi-Vi Feeders.

The units are light and functional and can be installed easily in a minimum of space in conjunction with other equipment – operation is virtually silent!

FEEDER MODEL	TRAY TYPE	TRAY WIDTH		TRAY LENGTH		CAPACITY*	
		in	mm	in	mm	cu ft/hr	cu m/hr
HS26	Medium Flat	5	127	22	559	85	2.41
HS26	Wide Flat	7	178	20	508	120	3.40
HS36	Narrow Flat	6	152	36	914	102	2.88
HS36	Medium Flat	8	203	30	762	137	3.88
HS36	Wide Flat	10	254	24	610	170	4.81
HS46	Wide Flat	14	356	24	610	235	6.65
HS46	Wide Flat	12	305	30	762	200	5.66
HS46	Narrow Flat	10	254	38	965	170	4.81
HS46	Medium Flat	14	356	30	762	235	6.65
HS56	Narrow Flat	12	305	42	1067	200	5.66
HS66	Medium Flat	14	356	60	1524	235	6.65
HS66	Wide Flat	16	406	48	1219	460	13.02

Model HD Feeders

“High Deflection” Vibratory Feeders combine the higher deflection 3/16-inch (4.8 mm) and lower frequency (30 cps) advantages of a mechanical feeder with the trouble-free service of an electromagnetic feeder.



The Model HD is designed to handle powders and leafy products that normally could not be fed successfully in an electromagnetic feeder. Feed rates of up to 80 feet

per minute (24 m/min) are possible for products with a bulk density less than 10 lb/ft³ (.16 gm/cc).

FEEDER MODEL	TRAY TYPE	TRAY WIDTH		TRAY LENGTH		CAPACITY*	
		in	mm	in	mm	cu ft/hr	cu m/hr
HD36	Narrow Flat	6	152	36	914	175	4.96
HD36	Medium Flat	8	203	30	762	230	6.51
HD36	Wide Flat	10	254	24	610	290	8.21
HD46	Wide Flat	12	305	30	762	400	11.32
HD46	Wide Flat	14	356	24	610	410	11.60
HD46	Narrow Flat	10	254	38	965	290	8.21
HD46	Medium Flat	14	356	30	762	410	11.32
HD56	Narrow Flat	12	305	42	1067	350	9.91
HD66	Medium Flat	14	356	60	1524	410	11.32
HD66	Wide Flat	16	406	48	1219	460	13.02

* HS Feeders - 50lb/cu ft (800kg/m³), HD Feeders - 25lbs/cu ft (400kg/m³)



Feeders Fast 5-Day Xpress Delivery



Ask Orange™

For solutions to process problems

How To

Choose & Use Vibratory Feeders & Conveyors

This quick reading reference guide provides all the basic information needed to select the proper equipment for different applications. "How to Choose & Use" covers the vibratory motion, drive system basics, process and material considerations, equipment reviews and more.

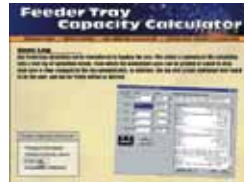
Feeder & Conveyor Selection Guide

Eriez' Vibratory Selection Guide details the complete line of vibratory and magnetic feeders, conveyors, screeners and bin vibrators. This comprehensive guide displays equipment covering twenty different product categories all on one page. Piece details drive systems, descriptions, capacities, applications, sizes and other important features. Request your copy today... online at eriez.com or call toll-free 888-300-3743.



Sizing and Application Software

Eriez has developed two new software application designs to simplify the process of determining the proper vibratory equipment for specific applications. Both programs are available online at eriez.com



Feeder Tray Capacity Calculator

The Feeder Tray Capacity Calculator (FeederCap) determines the appropriate tray size based on the material being fed and desired flow rate. The capacity of a feeder equals the material density X velocity X width X depth of the tray.

The Bin Guide

Bin Guide selects the proper bin vibrator based on the material being fed, desired feed rate and size of the hopper. As the dimensional information is entered, Bin Guide presents a three-dimensional sketch of the bin geometry. The program offers a complete library of material densities allowing users to easily look up and enter this information.



World Authority in Advanced Technology for Magnetic, Vibratory and Inspection Applications

Headquarters: 2200 Asbury Road, Erie, PA 16506-1402 U.S.A.

Telephone: 814/835-6000 • 800/345-4946 • Fax: 814/838-4960 • International Fax: 814/833-3348

Web Site: <http://www.eriez.com> e-mail: eriez@eriez.com

Manufacturing Facilities: AUSTRALIA • BRAZIL • CANADA • CHINA • INDIA • JAPAN • MEXICO • SOUTH AFRICA • UNITED KINGDOM • UNITED STATES

Eriez and Eriez Magnetics are registered trademarks of Eriez Manufacturing Co, Erie, PA

©2012 ERIEZ MAGNETICS

ALL RIGHTS RESERVED