

VIBRATORY FEEDERS

High Speed (HS) Range



Eriez' High Speed (HS) range of Vibratory Feeders is ideally suited to the high feed rates associated with packaging and filling applications.

Designed for frequent start/stop duties, these models incorporate a unique elastomeric torsion spring which not only allows the feeder to operate at an amplitude of 2.3 mm but also ensures extremely rapid decay times.

These unique characteristics make the HS range sought after in industries, such as:

- Packaging
- Food
- Chemicals
- Pharmaceuticals

Features

- Accurate handling of materials.
- Simple controls.
- Enclosed drive IP 54.
- Low power consumption.
- Low maintenance.
- All units are enclosed - dust and moisture resistant.
- Dust tight and epoxy coated units are available.
- The electro-magnetic drive requires no rectifier.
- Epoxy-encapsulated coil and magnet eliminates coil movement, extending trouble-free coil life.
- Fibreglass springs give long life and are not subject to corrosion.
- Feeder base comes with rubber isolation mounts.
- Trays are available in mild steel or stainless steel.

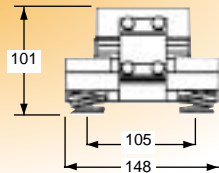
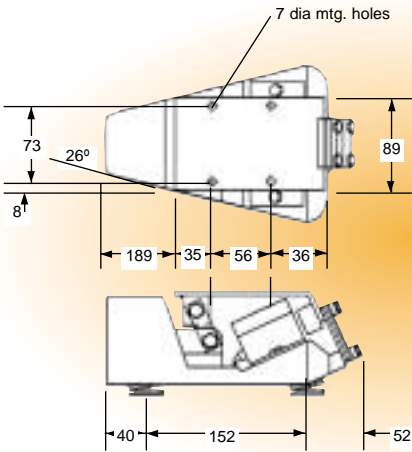
Model HS-3

This specialist model was designed specifically for use on automatic, carousel type weight scale machines. The triangular tray and base form a complete circle when multiple units are used.

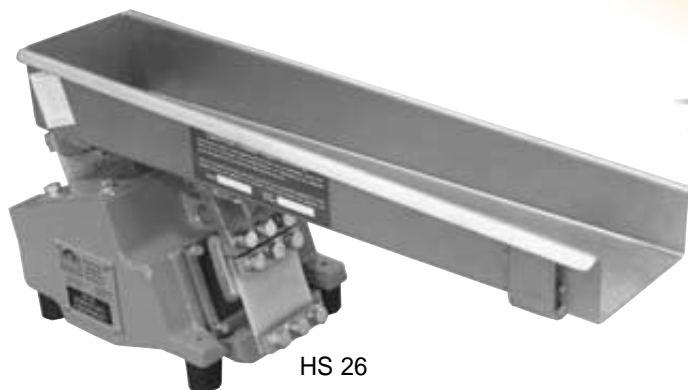
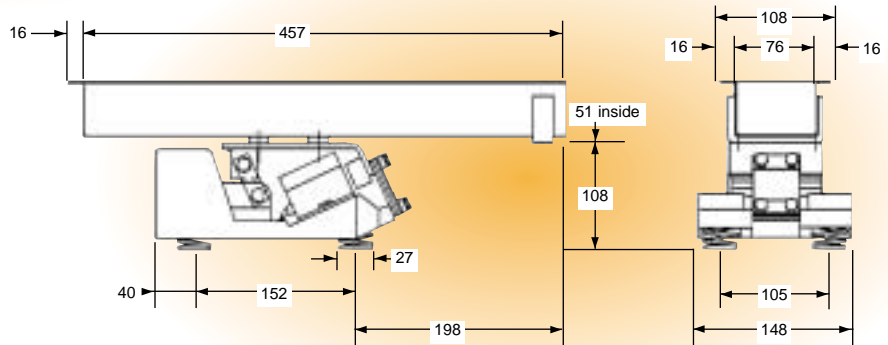


Drive Specifications

Model	Power supply	Power input	Nominal weight
HS 3	110V/240V Single Phase 50/60 Hz	1.13 Amps at 110V	11 kg



All dimensions are in mm



Drive Specifications

	HS 10	HS 26	HS 36	HS 42	HS 46	HS 56	HS 66
Power Supply	110V/240V 50/60 Hz Single Phase	110V/240V 50/60 Hz Single Phase	110V/240V 50/60 Hz Single Phase	110V/240V 50/60 Hz Single Phase	110V/240V 50/60 Hz Single Phase	110V/240V 50/60 Hz Single Phase	110V/240V 50/60 Hz Single Phase
Power Input	1.0 Amp at 110V	1.2 Amps at 110V	2.2 Amps at 110V	2 Amps at 110V	2.4 Amps at 110V	2.4 Amps at 110V	3.2 Amps at 110V
Nominal Weight	10 kg	23 kg	27 kg	30 kg	42 kg	70 kg	109 kg



HS 56



HS 56

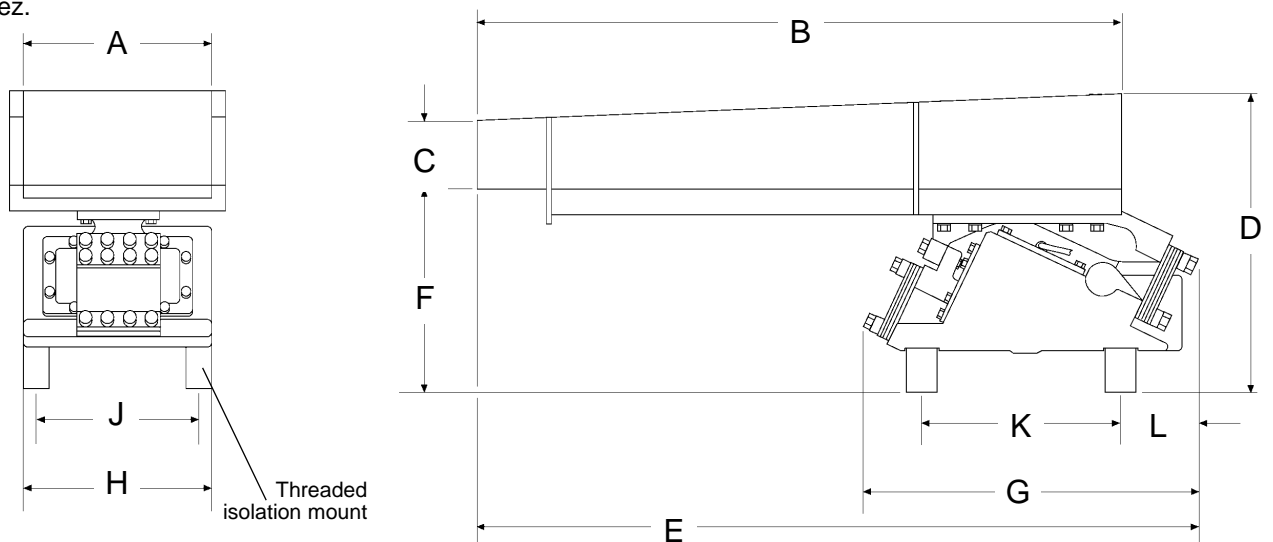
Weights and Dimensions

Model	Tray	Width	Length	Tray Depth Front	Overall Dimensions		Height Under Tray	Drive Footprint		Fixing Centres			Approx Weight kg	Nominal Capacity m ³ /hr *
		A	B	C	D	E	F	G	H	J	K	L		
HS 10	Narrow	75	450	25	184	465	159	172	102	73	135	37	12.0	1.0
	Medium	125	400	25	184	465	159	172	102	73	135	37	12.0	1.7
	Wide	150	300	25	184	465	159	172	102	73	135	37	12.0	2.0
HS 26	Narrow	100	650	25	210	650	159	258	165	140	175	41	25.6	1.70
	Medium 1	125	550	45	226	610	159	258	165	140	175	41	25.7	2.03
	Medium 2	150	450	45	226	510	159	258	165	140	175	41	25.7	2.13
	Wide	175	350	45	226	410	159	258	165	140	175	41	25.7	2.35
HS 36	Narrow	150	900	76	344	925	229	372	181	127	160	134	32.1	2.4
	Medium 1	200	750	76	344	860	229	372	181	127	160	134	32.4	3.2
	Medium 2	250	600	76	344	720	229	372	181	127	160	134	32.5	4.0
	Wide	300	500	76	344	660	229	372	181	127	160	134	32.7	4.8
HS 42	Narrow	200	900	69	311	950	242	403	238	133	230	92	36.0	3.5
	Medium 1	250	850	69	311	900	242	403	238	133	230	92	36.2	4.38
	Medium 2	300	750	69	311	785	242	403	238	133	230	92	37.0	5.25
	Wide	350	600	69	311	720	242	403	238	133	230	92	37.5	6.13
H6 46	Narrow	200	900	76	373	1017	259	480	191	152	262	140	49.0	3.8
	Medium 1	250	850	76	373	900	259	480	191	152	262	140	50.0	4.5
	Medium 2	300	750	76	373	966	259	480	191	152	262	140	50.5	5.4
	Wide	350	600	76	373	820	259	480	191	152	262	140	51.0	6.3
HS 56	Narrow	250	950	100	416	1075	276	494	241	178	262	141	84.9	6.0
	Medium 1	300	850	100	416	1025	276	494	241	178	262	141	84.5	7.2
	Medium 2	350	750	100	416	975	276	494	241	178	262	141	84.0	8.4
	Wide	400	650	100	416	906	276	494	241	178	262	141	83.5	9.6
HS 66	Narrow	300	1050	100	488	1200	348	549	311	260	330	117	128.0	12.3
	Medium 1	350	950	100	488	1150	348	549	311	260	330	117	127.8	14.35
	Medium 2	400	850	100	488	1100	348	549	311	260	330	117	127.3	16.5
	Wide	450	750	100	488	1050	348	549	311	260	330	117	126.7	18.56

Other tray designs and shapes available on request such as enclosed, tubular, vee, half round, etc.

Dimensions in millimetres but subject to change without notice. Request a certified drawing when ordering.

* Capacities are a guide only, based on dry sand at 1.6 T/m³ with 50Hz supply, specific applications should be checked with Eriez.



Also available:

- The **High Speed (HS)** range of Vibratory Feeders can be supplied as multi-drive units for wider tray sizes. Enclosed tray designs are also available for dust suppression.
- The **High Control (HC)** range of Vibratory Feeders for standard light to medium duty applications where variable flow rates may be needed.
- The **High Deflection (HD)** range of Vibratory Feeders combines the high deflection properties of a mechanical feeder with the reliability of an electromagnetic feeder for use on low bulk density materials, such as fine powders or leafy products.

VARIABLE CONTROLS

Phase Angle Thyristor Control Unit to suit the full range of Vibratory Feeders.

Standard Specification

Input: Either
110 or 240V
50 or 60 Hz

Protection: IP54

Features

- Mains switch.
- Internal fuse.
- Minimum and maximum trimmers for control optimisation.
- Mains cable.
- Connector for feeder.



Eriez Magnetics Europe Limited also supplies a comprehensive range of magnetic separation, metal detection and sampling equipment.

For advice on individual applications, contact our engineers at:

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