

DEA Open Frame Weighbelt Feeder

- Open frame design for sanitary washdown applications
- Excellent for weighing and feeding easily damaged materials
- Direct drive system on the tail pulley eliminates potential product contamination
- Tool-less removal of both the belt and sanitary flex connector for quick cleaning and maintenance



Application

Can be used for weight controlled feeding, as a weight indicator and totalizer, or for batching. Excellent for free-flowing materials and low headroom applications.

Feed Rates

DEA 300 up to 660 ft³ (18,690 liters) per hour.
DEA 600 up to 2,660 ft³ (75,320 liters) per hour.
Feed rates are dependent on material characteristics.
Contact us for estimated feed rates.

Feeder Accuracy

± 0.25% to 1% of set rate at 2 Sigma, dependent upon material characteristics.

Material Particle Size

Up to a maximum of 1.5" (38 mm) in diameter.

Temperature Limits

14 °F to 104 °F (-10 °C to 40 °C). Higher temperatures are attainable depending on belt speed and other conditions. Contact us for more information.

Belt Width

DEA 300 is 12 inches (305 mm)
DEA 600 is 24 inches (610 mm)

Belt Types

White polyurethane, FDA approved.

Load Cell

Single point, strain gage type, stainless steel, IP69K, compensated temperature range of +14 °F to 104 °F (-10 °C to 40 °C).

Motor

1/3 or 3/4 HP, 230/460 VAC, 60 Hz, 3 PH, TENV, IP54, washdown.

Materials of Construction

Product contact surfaces are 316 stainless steel. Non-contact surfaces are 304 stainless steel. Non-metal product contact surfaces are FDA-compliant materials.

Inlet Shear Gate

An adjustable low to medium sized flow gate and a high flow gate are available.

Conveyor

Cantilevered stainless steel construction allows for quick belt removal. For easy removal, cam takeup provides slack without loosening tracking adjustments.

Belt Influence Compensation

(BIC) Statistical process which learns and compensates for the inconsistencies in the belt due to manufacturing processes, age, material build-up or temperature. Monitors belt weight, slippage and tracking. See BIC specification sheet for a more detailed explanation.

Automatic Belt Cleaning System

Gravity-assist head pulley scraper and a gravity-assist internal plow automatically clean both sides of the belt.

Automatic Belt Tracking System

Belt V-guide rides in pulley V-grooves to keep belt centered on pulleys.

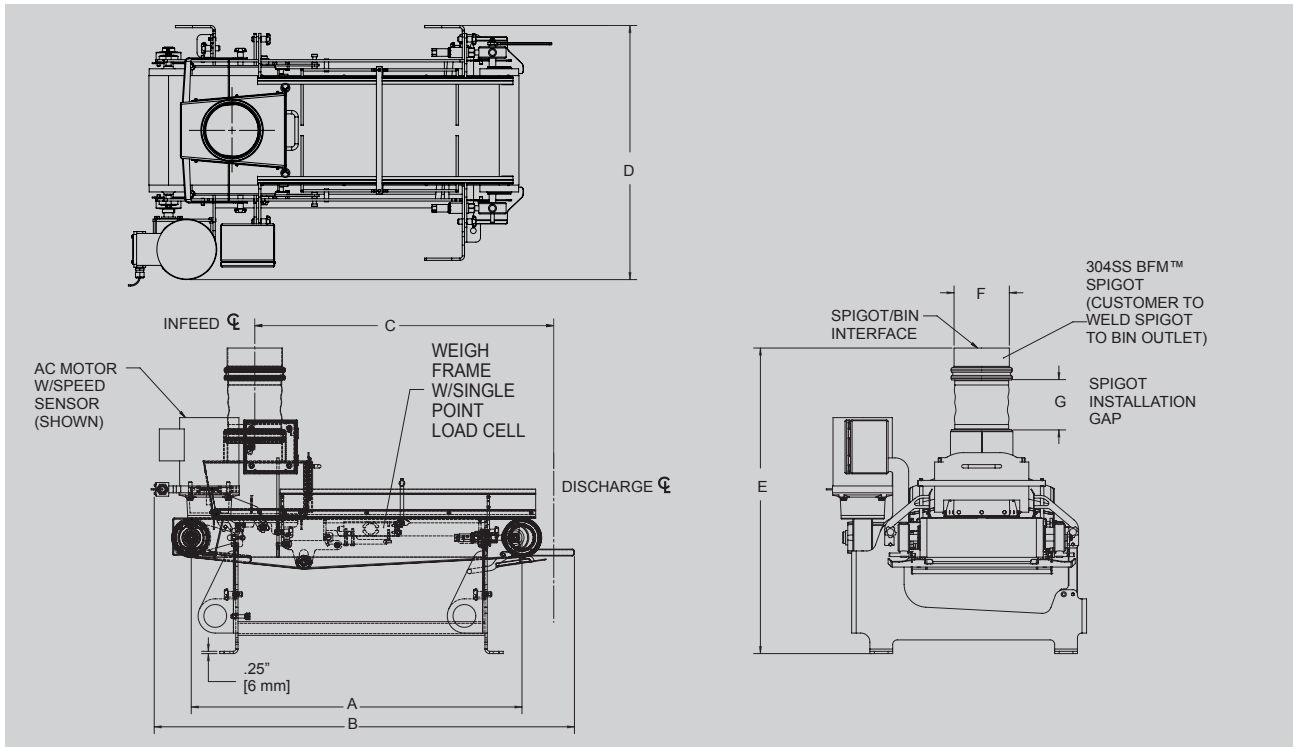
Electrical Power Requirements

230/460 VAC, 3 PH, 60 Hz. 15 amp service recommended.

Options

Flexible connector and extended lengths.

Dimensions



Standard Dimensions 300mm DEA Sanitary Open Frame Weighbelt

Configuration	Dimensions - inches [mm]							Weight lbs. [kg]
	A	B	C	D	E	F	G	
33" Infeed-Discharge	36.25 [920]	46.06 [1,170]	33.00 [838]	27.86 [708]	31.52 [801]	6.06 [154]	3.54 [90]	385 [175]
36" Infeed-Discharge	39.25 [997]	49.06 [1,246]	36.00 [914]	27.86 [708]	31.52 [801]	6.06 [154]	3.54 [90]	388 [176]
48" Infeed-Discharge	51.25 [1,302]	61.06 [1,551]	48.00 [1,219]	27.86 [708]	31.52 [801]	6.06 [154]	3.54 [90]	416 [189]
60" Infeed-Discharge	63.25 [1,607]	73.06 [1,856]	60.00 [1,524]	27.86 [708]	31.52 [801]	6.06 [154]	3.54 [90]	432 [196]
72" Infeed-Discharge	75.25 [1,911]	85.06 [2,161]	72.00 [1,829]	27.86 [708]	31.52 [801]	6.06 [154]	3.54 [90]	447 [203]

Standard Dimensions 600mm DEA Sanitary Open Frame Weighbelt

Configuration	Dimensions - inches [mm]							Weight lbs. [kg]
	A	B	C	D	E	F	G	
33" Infeed-Discharge	36.25 [920]	46.06 [1,170]	33.00 [838]	39.86 [1,012]	34.52 [877]	10.00 [254]	3.54 [90]	481 [218]
36" Infeed-Discharge	39.25 [997]	49.06 [1,246]	36.00 [914]	39.86 [1,012]	34.52 [877]	10.00 [254]	3.54 [90]	485 [220]
48" Infeed-Discharge	51.25 [1,302]	61.06 [1,551]	48.00 [1,219]	39.86 [1,012]	34.52 [877]	10.00 [254]	3.54 [90]	518 [235]
60" Infeed-Discharge	63.25 [1,607]	73.06 [1,856]	60.00 [1,524]	39.86 [1,012]	34.52 [877]	10.00 [254]	3.54 [90]	534 [242]
72" Infeed-Discharge	75.25 [1,911]	85.06 [2,161]	72.00 [1,829]	39.86 [1,012]	34.52 [877]	10.00 [254]	3.54 [90]	549 [249]

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