



Technical Specification



VH Series Single Shaft Shredder

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VH Series Single Shaft Shredder

Application:

The VH Series Rotary Grinder is designed especially for size reduction of vinyl siding, PVC fencing, plastic extrusion profiles, and other scrap materials.

Benefits:

- Horizontal vibratory feed conveyor allows full length profiles, pipe, siding, and composite lumber to be ingested safely at a low infeed height.
- Aggressive “clamp on” feedroll design positively holds the feedstock and forces the material into the cutter head. The feedrolls eliminate the material from bouncing or being forced back out the feed opening, enhancing the throughput and improving safety.
- 2 or 4 blade “cutting insert” style rotors are ideal for producing high quality chips when processing profiles, paper, and cardboard.
- Standard staggered rotor with reversible cutters for processing trim scraps, baled or loose film, synthetic fiber, wood processing scrap, medical waste, cardboard, paper, and carpet.

Specifications:

Model	VH-14	VH-18	VH-22	VH-25	VH-34	VH-50
Infeed opening, in. (mm)	14 x 3.5 (102x89)	18 x 5 (457x127)	21.5 x 6 (546x152)	25 x 5 (635x127)	34 x 5 (864x127)	50 x 6 (1270x150)
Rotor diameter	12 (305)	15 (381)	20 (508)	15 (381)		
Number of cutters	18	24	30	34	44	64
Rotor speed	350-400 RPM					
Drive motor, HP (kW)	40 (29.8)	50 – 60 (37.2 – 44.7)	75 (55.9)	60 – 75 (44.7 – 55.9)	75 (55.9)	125 (93.2)
Machine weight, lbs	4000	5500 – 5600	6000	6800	7600	9500
Voltage, V/PH/Hz	460/3/60					
Infeed conveyor, ft (m)	16' (4.9) vibratory conveyor					
Feed rollers	(2) positioned on top & bottom					
Throughput, lbs/hr (kgs/lb)	200 – 2000 (90.7 - 907)	300 – 3000 (136 – 1360)		400 – 4000 (181 – 1814)	1000 – 6000 (454 – 2722)	2000 – 15000 (907 – 6804)

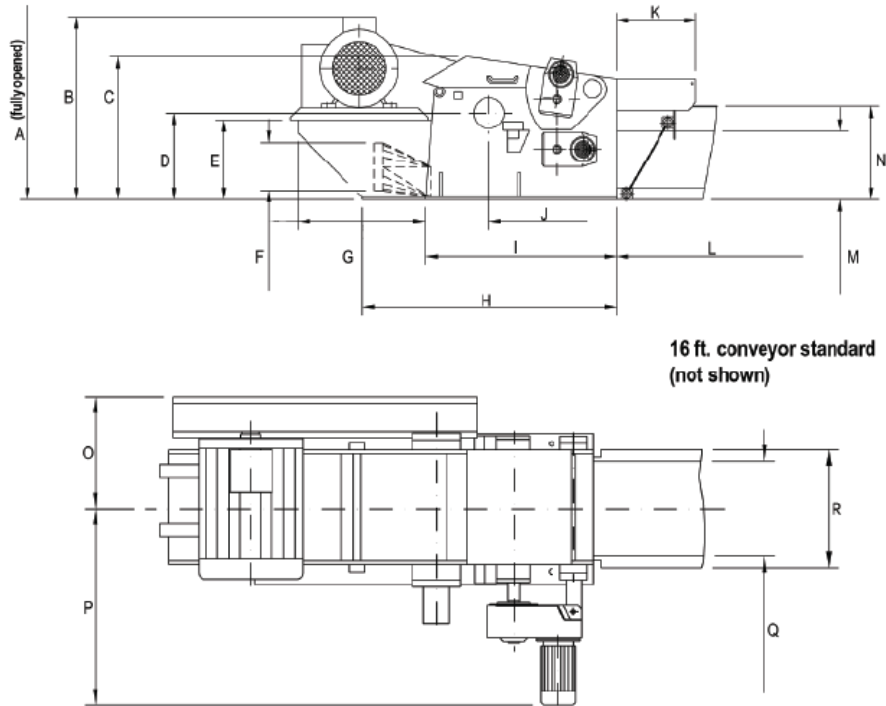
Standard Features:

- Low speed/high torque design
- Easy accessibility
- Equity “buyback” guarantee
- 4-way, indexable cutting inserts
- Lifetime limited warranty on cutting rotor
- Oversized drivetrain
- Powerbelt rotor drive
- Heavy, spherical roller bearings
- High output “torsion point” cutting rotor
- Severe duty construction
- Built-in pneumatic discharge port
- Stress-free frame, robotically welded

— See Page 2 For VH Series Drawings —



Cumberland VH Series Drawing



Model	A, in.(mm)	B, in.(mm)	C, in.(mm)	D, in.(mm)	E, in.(mm)	F, in.(mm)	G, in.(mm)	H, in.(mm)	I, in.(mm)
VH-14	42 (1067)	37 (940)	26 (660)	21 (533)	14 (356)	8 (203)	25 (635)	45 (1143)	40 (1016)
VH-18	51 (1295)	49 (1247)	35 (899)	21 (533)	20 (508)	12 (305)	32 (813)	63 (1600)	47 (1194)
VH-22									
VH-25									
VH-34	65 (1651)	49 (1245)	44 (1118)	29 (137)	21 (533)	N/A	33 (838)	59 (1499)	N/A
VH-50									

Model	J, in.(mm)	K, in.(mm)	L, in.(mm)	M, in.(mm)	N, in. (m)	O, in.(mm)	P, in.(mm)	Q, in.(mm)	R, in.(mm)
VH-14	16 (406)	N/A	197 (5004)	16 (406)	22 (559)	18 (457)	26 (660)	13 (330)	17 (432)
VH-18	16 (406)	20 (508)		17 (432)	23 (584)	21 (533)	37 (940)	18 (457)	22 (559)
VH-22						29 (737)	44 (1118)	34 (864)	38 (965)
VH-25			25 (635)			41 (1041)	26 (660)	30 (792)	
VH-34	22 (559)	N/A	79 (2007)	19 (483)	26 (660)	N/A	N/A	N/A	N/A
VH-50									