

Shredders

BV Series / BKE Series



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SHREDDERS BV 10 SERIES / BV 100 SERIES / BKE SERIES

SHREDDERS TO MEET YOUR ORCHARD OR VINEYARD NEEDS

The KUHN shredder range features versatile and reliable machines to fit into a wide variety of orchard and vineyard applications, or anywhere else a shredder is required.

KNIVES TO MATCH YOUR NEEDS

Different shredder models feature different knife styles to meet the needs of your operation.

- Hammer knives to power through prunings and branches up to 3" (7.7 cm) in diameter
- Articulated universal knives to shred grass and weeds with flexibility to clear small hidden obstacles

RETURN NUTRIENTS TO THE SOIL

In addition to the knives, many other KUHN shredder features and options help to finely shred material and quickly return nutrients and other organic materials to the soil.

- Rows of counterknives mounted inside the hood to process material
- Rear roller to optimize cutting height
- Collecting rake to catch branches and prunings for processing and re-processing
- Side trimming disc to keep nutrient-robbing weeds from growing between trees or posts

SHREDDERS

BV / BKE in brief

Models	Working Width	Standard Knives	Maximum PTO Power Rating
BV 10	37.8" (0.96 m)	Hammer Knives	90 hp (67 kW)
BV 12	45.3" (1.15 m)		
BV 14	52.8" (1.34 m)		
BV 16	60.2" (1.53 m)		
BV 160	60.2" (1.53 m)	Hammer Knives	110 hp (82 kW)
BV 180	67.7" (1.72 m)		
BV 200	75.2" (1.91 m)		
BV 220	82.3" (2.09 m)		
BV 240	89.8" (2.28 m)		
BKE 150	60" (1.52 m)	Articulated Universal Knives	80 hp (59 kW)
BKE 180	72" (1.83 m)		100 hp (74 kW)
BKE 210	84" (2.14 m)		

FEATURES AND RELIABILITY THAT FIT INTO YOUR ROWS

BV 10 Series shredders finely shred grass, vine shoots and prunings. Ideal for narrow row orchards and vineyards, the BV 10 Series models are available in working widths from 38" to 60" (0.96 m – 1.53 m).



FINE SHREDDING WITH HAMMER AND COUNTERKNIVES

The redesigned hammer knives power through clippings and brush and feature a curved back to reduce damage to the rotor if a hard obstacle is struck. The specially designed retaining pins maintain a firm hold on the knives year after year. An industry leading feature on the BV shredders is the three rows of counterknives located right inside the hood. They help to provide fine processing of material for quick decomposition.



LOW PROFILE FOR MAXIMUM CLEARANCE

These shredders have a hood without protrusions, screw heads, or sharp angles to catch on trellis lines or low lying branches. The reduced hood height allows the BV shredders to slide under even the lowest wires without damaging the vines or the trellises.



VERSATILE REAR ROLLER

The rear roller has been redesigned and features removable ends, allowing a bearing to be replaced without replacing the entire roller. It also features multiple height adjustments that leave the optimal grass height in a variety of situations. In addition to the height adjustment capability, forward and rearward positions are possible.

SHREDDERS BV 100 SERIES

MAINTAIN PRISTINE ORCHARDS AND VINEYARDS

BV 100 Series shredders finely shred grass, vine shoots and prunings. Available in wide working widths from 60" to 90" (1.53 m – 2.28 m) for greater productivity in a large variety of orchard and vineyard applications with wider row spacing.



RELIABLE AND EASY TO SERVICE MAIN GEARBOX

All BV shredders utilize a simple 540 rpm PTO drive. The BV 100 models are rated for tractors up to 110 PTO hp. A shaft transmits power from the main gearbox to the new PowerQuad IV rotor drive belts.

SIDE SHIFT CAPABILITY

BV 100 Series models feature mechanical side shift capability as standard. This allows the operator to offset the unit, relative to the tractor, for shredding underneath plants or other overhanging obstructions.

Hydraulic side shift capability is available as an additional option. As conditions change, the operator can adjust the offset from the comfort of the tractor seat.

LARGE HOOD OPENING

To help the machine pass easily under low-hanging plants and vines, the 100 Series was designed with an especially low profile in mind. The hood opening has been increased to 12.6" (32 cm) on the BV 100, which is among the best in the industry. These large clearances increase throughput with easy feeding of branches and prunings, especially in windrows.

A SHREDDER THAT WILL MEET ALL YOUR NEEDS!

- Central position behind tractor (in/cm)
- Lateral offset (in/cm)



BV 160	30.1" (76.5 cm)	15.9" (40.5 cm)	30.1" (76.5 cm)	44.3" (112.5 cm)
BV 180	33.9" (86 cm)	16.1" (41 cm)	33.9" (86 cm)	51.6" (131 cm)
BV 200	37.6" (95.5 cm)	19.9" (50.5 cm)	37.6" (95.5 cm)	55.3" (140.5 cm)
BV 220	41.1" (104.5 cm)	23.4" (59.5 cm)	41.1" (104.5 cm)	58.9" (149.5 cm)
BV 240	44.9" (114 cm)	27.2" (69 cm)	44.9" (114 cm)	62.6" (159 cm)

Tractor centerline

RAISING THE BAR TO MAINTAIN GRASSY AREAS

With articulated universal knives fitted as standard equipment, the BKE Series machines are well suited to shredding wide-row orchards and vineyards, as well as other areas where the ground cover is primarily grass with the potential for small hidden obstacles.



DON'T LET WEEDS, PESTS OR DISEASES INTO YOUR FIELD

Many weeds migrate from the border into the field and spread if not held in check. An effective precautionary measure is to shred grass strips on the field's borders to lock out invasive species.



SUPPORTING SOIL FERTILITY

Improving soil fertility by incorporating organic matter into the soil is the most important aspect of shredding. The finer the residue is shredded the bigger the surface area for microorganisms to attack and transform the organic matter into humus. Benefits of high humus content include improved soil structure and stability, and increased biological activity.



EFFECTIVE DESTRUCTION OF AN INTERMEDIATE CROP

Shredding intermediate crops to weaken and destroy them before seeding the next crop is an effective alternative to chemical treatment.



ARTICULATED UNIVERSAL KNIVES

All BKE shredders feature heavy, articulated universal knives as standard. The "Y" shape effectively shreds grass, weeds, and small residue into fine pieces for quick breakdown. If small obstructions are hidden in the grass, the articulation provides enough flexibility to clear them without major damage to the knife or machine.



HITCH

Two types of hitch options are available and can be used on the BKE shredder:

- Hitch with a hydraulic offset
- A fixed two-position coupling (centered and offset)



LESS WEAR WITH IMPROVED PROTECTION

1. An optional bolted 4 mm thick sheet metal lining is available for inside the hood. This liner minimizes wear and provides additional protection against foreign objects.
2. For intensive work, the standard roller and removable ends (fitted with reinforced roller bearings) are ideal. These bearings only require minimum maintenance and are easy to replace without having to replace the entire rotor.
3. Optional skirts, combined with the roller, protect the side walls, improve the machine's stability, and provide additional guidance to better follow irregular ground.



OPTIONAL EQUIPMENT



SIDE SKIDS

Optional side skids (circled) help protect the machine in rough ground conditions by preventing contact between the knives and the soil below.

Available on all KUHN shredder models.



SIDE TRIMMING DISC

The optional side trimming disc is especially well suited for orchards or other applications with trees planted in rows. The spring-loaded disc reaches between the trees to mow down any stray grass or weeds. When the outer bumper of the disc contacts a tree trunk or other obstacle, the spring system breaks back to avoid damage and then springs back into work as soon as it has passed the obstacle.

BV 10 and 100 Series only.



PNEUMATIC WHEELS

These optional wheels mount to the rear of the shredder and help smooth the ride and reduce stress on the machine. They can be easily adjusted and are a great choice for uneven terrain.

BKE Series only.



COLLECTING RAKE

The optional collecting rake is perfect for operations that shred large amounts of prunings and small branches. The adjustable tines keep the material close to the rotor for finer processing to return nutrients to the soil faster.

BV 10 and 100 Series only.

Model Specifications

	BV 10	BV 12	BV 14	BV 16
DIMENSIONS				
Working width	37.8" (0.96 m)	45.3" (1.15 m)	52.8" (1.34 m)	60.2" (1.53 m)
Overall width	42.5" (1.08 m)	50.0" (1.27 m)	58.3" (1.48 m)	65.7" (1.67 m)
Outer rotor diameter	15.7" (398 mm)			
Tool linear speed	112 mph (50 m/s)			
Number of heavy hammer knives	12		16	
Working height adjustment	Roller with removable ends			
Roller diameter	5.5" (14 cm)			
PTO speed	540 rpm			
Number of belts	2		3	
Rotor speed	2,404 rpm			
Minimum PTO power requirement	35 hp (26 kW)	40 hp (29 kW)	45 hp (33 kW)	50 hp (37 kW)
Maximum PTO power	90 hp (67 kW)			
Maximum diameter of prunings or brush	2" (51 mm)			
Hitch Type	3-point - Cat. 1			
Hitch offset	None			
Machine net weight	661 lbs (300 kg)	794 lbs (360 kg)	860 lbs (390 kg)	970 lbs (440 kg)

Model Specifications

	BV 160	BV 180	BV 200	BV 220	BV 240
DIMENSIONS					
Working width	60.2" (1.53 m)	67.7" (1.72 m)	75.2" (1.91 m)	82.3" (2.09 m)	89.8" (2.28 m)
Overall width	65.7" (1.67 m)	73.2" (1.86 m)	81.5" (2.07 m)	88.6" (2.25 m)	96.0" (2.44 m)
Outer rotor diameter	16.7" (423 mm)				
Tool linear speed	115 mph (51.5 m/s)				
Number of heavy hammer knives	16	18	20	22	24
Working height adjustment	Roller with removable ends				
Roller diameter	6.3" (16 cm)				
PTO speed	540 rpm				
Number of belts	3			4	
Rotor speed	2,325 rpm				
Minimum PTO power requirement	50 hp (37 kW)	60 hp (44 kW)	65 hp (48 kW)	70 hp (51 kW)	75 hp (55 kW)
Maximum PTO power	110 hp (82 kW)				
Maximum diameter of prunings or brush	3" (76 mm)				
Hitch type	3-point - Cat. 1			3-point - Cat. 2	
Hitch offset	Mechanical - up to 13.8" (35 cm) to the right				
Machine net weight	1,146 lbs (520 kg)	1,235 lbs (560 kg)	1,367 lbs (620 kg)	1,499 lbs (680 kg)	1,609 lbs (730 kg)

Model Specifications

	BKE 150	BKE 180	BKE 210
DIMENSIONS			
Working width	60" (1.52 m)	72" (1.83 m)	84" (2.14 m)
Overall width	66" (1.65 m)	80" (2.03 m)	93" (2.36 m)
Outer rotor diameter	16.7" (425 mm)		17.7" (450 mm)
Tool linear speed	110 mph (49 m/s)		
Number of heavy Y knives	36	40	48
Working height adjustment	Roller with removable ends		
Roller diameter	6.3" (16 cm)		
PTO speed	540 rpm		
Number of belts	3		4
Rotor speed	2,203 rpm		
Minimum PTO power requirement	40 hp (29 kW)	60 hp (44 kW)	65 hp (48 kW)
Maximum PTO power	80 hp (59 kW)	100 hp (74 kW)	
Hitch type	3-point - Cat. 1 & 2		3-point - Cat. 2
Hitch offset	11" (27.9 cm)		18" (45.7 cm)
Machine net weight	1,168 lbs (530 kg)	1,345 lbs (610 kg)	1,455 lbs (660 kg)

COMPLEMENTARY PRODUCTS

MORE PRODUCTS TO MEET YOUR NEEDS

With over 700 models of equipment, we have the most complete implement line in the industry. Whether you have a small or large operation, we have a broad range of models and options to help fit your diverse needs.



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4. Power Harrows
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6. Fertilizer Spreaders

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