Offset Mowers

TBE 22 / RSM SERIES







SIMPLE AND COMPACT ROADSIDE MOWERS

KUHN OFFSET MOWERS ARE SPECIALLY DESIGNED FOR MOWING ROADSIDES, DITCHES, AND HEDGES. FEATURES SUCH AS PIVOTING HEADSTOCKS AND BREAKAWAY RESET SYSTEMS MAKE MOWING AROUND OBSTACLES EASY AND EFFICIENT IN GOVERNMENT/MUNICIPAL, COMMERCIAL, AND FARM APPLICATIONS.







SHRED & MULCH
The shredding heads of KUHN offset mowers shred grass and material into fine mulch for quick decomposition. In addition, the design deposits the shredded material immediately behind the rear roller, reducing flying debris. Other styles of mowers can launch hard objects hidden in the grass, potentially causing damage or injury.

SIMPLE & EASY MAINTENANCE
Simple shaft and belt rotor drives are easy to keep in peak performance condition. A minimum number of grease zerks and daily checkpoints will help operators complete more mowing per day.

Models	Working Width	Standard Knives	Maximum PTO Power Rating
TBE 22	7'0" (2.1 m)	Universal Knives or Articulated Hammer Knives	110 hp (81 kW)
RSM Series	6' & 7' (1.8 & 2.1 m)	Universal Knives or Articulated Hammer Knives	90 hp (67 kW)

Summary

TBE 22 ..... **4-5**

RSM Series **6**

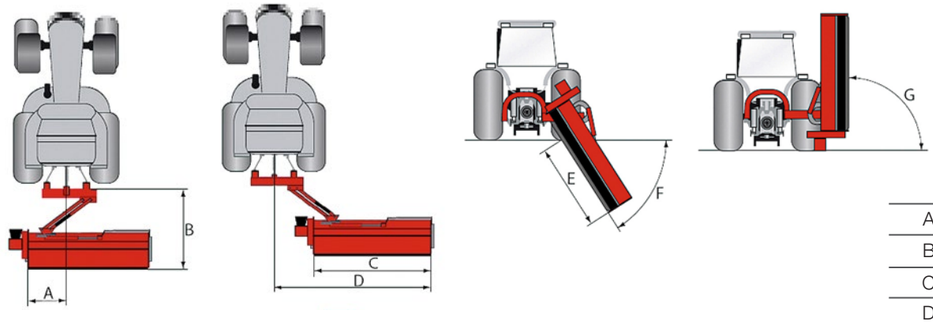
Specifications **7**

VERSATILE BY DESIGN

Whether it's the fight against weeds on field edges or road maintenance – there is a solution available for everyone. In multiple conditions, KUHN TBE 22 mower provides you with versatility. These mowers are also supported by their sturdy design and safety features to avoid damage.

Maintenance mowing has to be done in a variety of environments, but will usually take place in grassy areas with a high chance of hidden foreign objects. The TBE 22 has been designed specifically for these types of operations. These mowers will easily meet your offset mowing needs. The design is suited for hedge work with operating angles from -65° to +90°.





TBE 22	
A	27.4" (70 cm)
B	72.8" (185 cm)
C	84.4" (214 cm)
D	119.3" (30.3 cm)
E	62.8" (160 cm)
F	-65 degrees
G	+90 degrees

MORE MOWING OPTIONS, MORE MOWING POSSIBILITIES

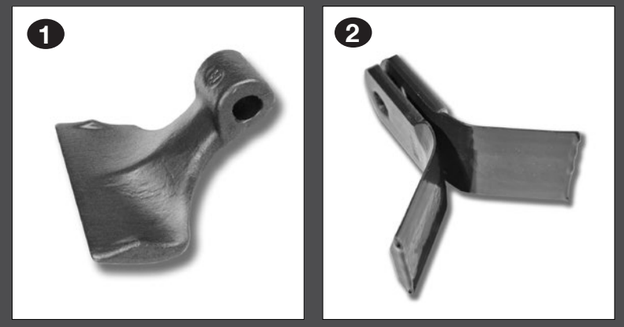
A wide angle PTO shaft is standard. This is one of the most important features on the machine, especially if you spend a large amount of time in the field with the machine in an offset or vertical position. Look at the diagram and chart above to see examples of how a TBE mower can be more versatile by working in multiple positions.

SHREDDING TO FIT YOUR NEEDS

Choose from either:

1. Hammer knives are much heavier and more desirable in applications that encounter a significant number of small branches or woody twigs.
2. Universal knives feature a “Y” shape, idea for powering through thick grass.

Other knife styles are available through KUHN Parts to match a wide range of specific applications.



PROTECTED AGAINST IMPACT

When meeting an obstacle, the machine frame is protected by a non-stop, spring-loaded safety system. After the obstacle is cleared, the machine will automatically return to working position. The mechanical parts that are exposed to impact are all protected and the hood features a welded, 4-mm thick sheet metal lining for increased resistance to impacts and wear.





NON-STOP SAFETY SPRING

A non-stop safety spring protects the structure against impacts. In order to not exceed the strength of the springs, a mechanical stop is standard.



TOUGH IN AND OUT OF THE FIELD

This machine has a number of strong features including:

- High-strength steel construction with an excellent weight:strength ratio
- Strong 4" x 4" (10 x 10 cm) hitch frame
- Welded sheet metal lining
- Vented drive belt cover to reduce heat buildup
- Hard steel skid shoes



TRIED AND TESTED STRENGTH

Designed for intensive use, the frame of the KUHN TBE offset mower is unmatched with its reliability and longevity. This machine includes self-lubricating bushings on all-pivot points.

SIMPLE AND COMPACT

Quality of work and adaptability are the two main characteristics of roadside mowers. Suitable for tractors with 65–90 hp (49–67 kW), the RSM models are at ease in a wide variety of conditions. The models in the RSM range are designed to meet local municipality needs for mowing with increased safety over conventional rotary mowers.





ROCK-SOLID DRIVE SYSTEM

The drive system is comprised of four automatically tensioned, high-capacity V-belts.





CHOOSE YOUR TOOL

The rotor can be equipped with two types of knives:

1. Universal knives for mowing in heavy grass conditions.
2. Articulated hammer knives for mowing in tough conditions that may include rocks and foreign objects.



HYDRAULIC SIDE SHIFT

The RSM can be fitted with a hitch frame incorporating a horizontal offset. This reduces overhang and limits stress in the structure during offset maneuvers. With the 23" (58 cm) offset, obstacles can be quickly and easily avoided.





A MACHINE YOU CAN TRUST

In the event of a collision with an obstacle, the mechanical safety device will protect the machine's structure. Hydraulic non-stop breakaway with automatic reset is available as an option.

Technical Specifications — TBE 22

	TBE 22
Working width	7'0" (2.1 m)
Transport width	7'10" (2.4 m)
Rotor speed	2,325 rpm
Knife linear speed	116 mph (52 m/s)
Number of hammer knives	24
Number of universal knives	48
Working height adjustment	Roller with fixed ends
Inner protection cover	0.16" (4 mm) welded liner
Mechanical breakaway system	Standard
Curved skid shoes	Standard
Free wheel integrated in the central gearbox	Standard
Wide angle PTO shaft	Standard
Hitch type	Cat. 2, 3-point
Required tractor hydraulic connections	1 SA and 1 DA
Machine net weight, approx. with roller	1,773 lbs (804 kg)
PTO speed (rpm)	540
Rotor diameter	16.7" (425 mm)
Minimum PTO power requirement	80 hp (59 kW)
Maximum PTO power recommended	110 hp (81 kW)

Technical Specifications — RSM Series

	RSM 180	RSM 210
Working width	6' (1.8 m)	7' (2.1 m)
Number of articulated hammer knives	20	24
Hydraulic control of inner and outer cutting head position	Standard	
Inner protection cover	Standard	
Mechancial breakaway system	Standard	
Height adjustment by roller with removable ends	Standard	
Curved skid shoes	Standard	
Free wheel integrated in the central gearbox	Standard	
Hitch type	3-point, Cat. 2 (quick hitch compatible)	
Required tractor hydraulic connections	2 SA - with float required	
Machine net weight, approx. with roller	1,565 lbs (710 kg)	1,785 lbs (810 kg)
PTO speed (rpm)	540	
Rotor drive	4 - SPB belts	
Minimum PTO power requirement	65 hp (49 kW)	
Maximum PTO power requirement	90 hp (67 kW)	



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