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ALAMO[®]
INDUSTRIAL

Interstater[®]

BUILT SHARPER[™]

Unique In-Frame Cooling

A unique feature of the Interstater® mowing wing is the in-frame cooling system which is used to maintain the proper oil temperature while providing a constant power flow. Heated hydraulic oil is passed through tubes on top of the wing units. Forced air, from the spinning knives, flows over these tubes to cool the oil inside. A 25-gallon hydraulic reserve oil tank is front-mounted for improved operator vision.



Mowing Units

Top decks are made of strong 10-gauge steel while the end plates are 1/2" thick steel for the inboard and 5/16" thick steel for the outboard. The units have a 6" full-length rear roller that is adjustable from 1/2" to 6". This roller is adjustable in 1/2" increments. The full-length skid shoes are replaceable. The units are standard equipped with 3-ounce coarse-cut knives.



Hydraulic Pump

The front-mounted hydraulic pump is driven from the crankshaft of the tractor. Twin piston pumps provide the power for the wing mowing units. Each hydraulic circuit has its own pressure relief and the oil is fully filtered by a return line filter.



Specifications

Frame:

The Interstater's full-length frame is mounted to the front of the tractor's bolster housing and pads at the rear of the tractor and includes a positive transport lockup position. The frame is not mounted to the bell-housing. Some frames may require offset mounting.

Hydraulics:

The hydraulics are driven by the tractor's crankshaft. Twin piston pumps, operated at 24 GPM at 4000 PSI and 53 HP, power the cutter heads. The 25-gallon hydraulic reservoir tank is front-mounted. The hydraulic oil is fully filtered by a return line filter, rated at 12 microns and an ISO cleanliness rating of 18/13. A pressure relief is used on every hydraulic circuit. The unit features an in-frame cooling system to maintain proper oil temperature.

Wings:

The mowing wings are hydraulically-driven. (See separate section for cutting widths for various mowing wing sizes). The top deck is made of sturdy 10-gauge steel and the end-plates are 1/2" thick for the inboard and 5/16" thick for the outboard, and have bearing guards. The unit has full-length replaceable skid shoes and a 6" full-length rear roller that is adjustable in 1/2" increments from 1/2" to 6" high. The rear roller bearings are hex shaped, 1-5/32" across the corners, self-aligning with steel cap outboard and a neoprene seal inboard.

Cutter Shaft:

The unit uses a balanced 4-1/2" diameter, 3/8" thick cutter shaft with four rows of knives. The knife tip speed is 8900 FPM. Anti-wrap guarding is provided to reduce material getting into the bearing. The cutter shaft bearings are greaseable, sealed, self-aligning, 1-15/16", and rated at 3300 lbs. The cutter shaft is attached to the housing with 6, grade 5, 3/8" bolts.

Optional Equipment

Cutting knives:

- Coarse cut – Standard mounted on heat-treated clevis rings
- Extreme Service Heavy Duty – 1/4" thick
- Fine Cut
- Fine Cut, Rock & Trash

Rubber covered rollers

- Special paint
- Reverse rotation cutter shaft
- Remote control wing for raising and lowering on cab tractors

Warranty: One year limited parts and labor. Non-governmental users are subject to modified policy. Only genuine Alamo Industrial parts should be used for warranty replacement.

This information is intended to be of a general nature only; specifications are subject to change without notice as we continue to improve our products.

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Control Valve:

Precision control of this mowing unit is gained by using a 4-spool valve, open-center system, with a main pressure relief and detent position on all four sections.

Cylinders:

Lift: 3" bore, 8" stroke, capable of 14" horizontal lift. Tilt: 3-1/2" bore, 9" stroke, capable of cutting 40° downward and 57° upward without leaving a strip of grass between the side and rear mowers.

Rear Mower:

The rear unit is mechanically-driven. The mower deck is constructed using the same material as the wings. All rear Interstater units have a cutting width of 88", replaceable skid shoes and 6" full-length rear roller and bearings (same as wing).

Knives:

All units come standard equipped with coarse-cut knives each weighing 3-ounces. The knives are mounted to the cutter shaft by heat-treated clevis rings. These rings are held in place by a 3/8" diameter pins with a cotter pin keeper.

Safety Equipment:

Front metal foot-guard will deflect trash and serve as an anti-foot probe. Rubber/fabric trash deflectors are attached to the rear of all mower decks. Automatic cutoff switches that disengage the wing mowers when raised above a preset vertical angle are included. Also included is a starter switch safety lockout when the wing mowers are engaged.

Wing Mower Cutting Widths:

- 20' 9" Interstater, 88" Rear Flail, 88" Left & Right Wings
- 18' 5" Interstater, 88" Rear Flail, 74" Left & Right Wings
- 16' 5" Interstater, 88" Rear Flail, 60" Left & Right Wings
- 13' 2" Single-Side Interstater, 88" Rear Flail & 88" Right Wing
- 12' 2" Single-Side Interstater, 88" Rear Flail & 74" Right Wing



BUILT SHARPER™

1502 East Walnut St. • Seguin, Texas 78155

1-800-882-5762

www.alamo-industrial.com