

ALAMO INDUSTRIAL®
Specifications
74"GRASS KING® Offset Flail Mower

These specifications are intended to describe a rear-mounted, hydraulically powered, offset flail mower that may be mounted on a 50-horsepower tractor. The Grass King flail mower was designed for roadside, ditch bank, and governmental grounds mowing. The unit bid shall be the manufacturer's current production that meets or exceeds the following minimum specifications. Only a standard production machine can be bid on these specifications and a supplier will not be allowed to modify his standard production in order to meet these specifications.

MOUNTING:

The mower shall be mounted to a tractor using an A-frame that is full floating, adjustable and CAT I or II. The installation shall allow offset mounting to the right rear. _____

CUTTING HEAD:

The unit shall have a 74" cutting swath. _____

Cutting height shall be adjustable from 0" to 6" in 1/2" increments. _____

The mower housing shall be constructed of 10-gauge steel with inboard end-plates made of 1/2" steel and the outboard end-plates made of 5/16" steel. _____

The mower shall be adjustable from 55-5/8" to 70-5/8" from the centerline of the tractor to the inside edge of the head. _____

SKID SHOES:

The skid shoes shall be full-length, rounded, and replaceable. _____

CUTTERSHAFT:

The cuttershaft shall be balanced with a 4-1/2" outside diameter with a 3/8" steel wall. _____

The 74" unit shall have 92-pair of fine cut or 36-pair of coarse cut knives. _____

Power shall be delivered through two "B" section belts with automatic tension adjustment. _____

The bearings shall be 1-15/16", greaseable, and self-aligning. _____

MOTOR:

The motor shall be piston type rated at 74-horsepower at 4,000 psi. _____

The motor shall use a double "V" groove "B" section belt, with an automatic spring-tensioned idler to drive the cuttershaft. _____

REAR ROLLER:

The unit shall have a full-width roller that is greaseable with self-aligning bearings and end caps for protection. _____

SAFETY SHIELD:

A full-width rubber deflector shall be mounted on the rear of the cutting head. _____

HYDRAULIC SYSTEM:

A piston pump and motor, rated at 30 gpm and 4,000 psi at 540 PTO rpm, shall be used. _____

The mower shall have a CAT 4 driveline and shall use a 1 to 4 speed increaser. _____

The unit shall have an automatic relief valve to protect the system from overload. _____

A 14-gallon hydraulic oil reserve shall be used while the entire hydraulic system shall use 19-gallons of hydraulic oil. _____

Four-wire braid shall be used on the hoses to give them a 16,000 psi burst pressure. _____

TAIL WHEEL:

A 20-ply tire shall be used for the tail wheel, which shall be full swinging (360-degrees) and will be used to support the mower during work and transportation. The caster wheel shall be a minimum tire size of 25.5 x 8 x 14 20 ply.

The tail wheel shall use a minimum of 1-1/2" ID inboard and 1-1/4" ID outboard, greaseable, tapered, roller bearings.

WEIGHT:

The approximate weight, complete with the 74" flail head, shall be 1,870 lbs.

OPTIONAL EQUIPMENT:

Check chains to relieve three-point hitch.

Roller scraper to keep roller cleaner.

Extreme service knives for cutting overgrown areas.

WARRANTY:

The Grass King Flail shall be warranted for one year for parts and labor. Non-governmental users are subject to a modified policy.
