

WOODS

model H-S105/106

data sheet



WOODS Hydraulic-flex-drive ditch bank mowers are available in 5 ft. and 6 ft. cutting swaths for tractors rated 30-60 hp . . . cuts 180° arc, from 90° up to 90° down . . . designed for mowing irrigation and roadside ditchbanks.

Features:

Woods Hydraulic Ditch Bank mowers, models HS105/106, feature Hydraulic-flex-drive. This drive feature allows the mower cutting head to operate in a full 180° pivot, 90° up and down from center. Hydraulic drive offers greater shock load protection for both mower and tractor, lower maintenance and quieter operation.

As an added feature, the HS Series offers hydraulically controlled frame telescoping, which gives the cutting head an additional 16" of horizontal travel. This feature gives the operator additional mowing reach without changing the tractor's position on the bank. Under certain mowing conditions this additional mowing feature is also a safety feature.

Available in two sizes the HS Series offers model HS105 with a 5 ft. cutting head and model HS106 with a 6 ft. cutting head. All other parts are interchangeable.

Hydraulic pump is PTO mounted and supported with chain torque restraint. Hydraulic drive offers more mounting flexibility than conventional drive shaft . . . and greater safety with no moving drive lines.

Hydraulic Motor-Gearbox combination features Woods solid mount design which adds strength to both gearbox and mower frame with four tie-bolts through the gearbox housing. Hardened alloy steel forged gears are especially designed for rotary mower use. Gear ratio of 1.76 to 1 insures hydraulic motor operating speeds that efficiently produce the necessary torque for most effective operation.

Mower deck is twin box type construction made of formed 12 ga. steel plate for HS105 and 10 ga. for HS106, ribbed and reinforced with 5/16" angle front and rear for added strength. Side plates are 7 ga. steel and center frame is 5" x 7" - 7 ga. tube. Mower frame is

electrically welded throughout for maximum structural strength.

Heavy-Duty Free-Swinging Blades are made from Heat-treated alloy steel. Free swinging feature helps to protect both mower and tractor from shock damage and increases blade life. High suction design lifts grass for clean even cutting. For cutting light brush, double edge utility blades with no air lift are available as optional equipment.

Optional Equipment includes tail wheel, counter weight box, gauge skids or gauge wheels, and hydraulic valve that adapts tractor hydraulics to mower hydraulic cylinders. Chain shielding is available and recommended when mower is to be used in populated areas.

Woods Equipment Warranty—The HS Series mowers have a one year limited warranty against defects in material or workmanship, including component parts.

SPECIFICATIONS



	HS105	HS106
Cutting Width	60"	72"
Cutting Height Range,		
Mower gauge wheels	2" to 6"	2" to 6"
Skids (optional)	2" to 6"	2" to 6"
Tailwheel (optional)	2" to 8"	2" to 8"
3-point hitch	1" to 22"	1" to 22"
Blade RPM	680	680
Blade speed FPM	12,500	15,000
Number of Blades	2	2
Stump Jumper	Std.	Std.
Tractor PTO Speed (RPM)	540 only	540 only
Minimum tractor wt.	4000 lbs (min.)	5000 lbs (min.)
Reservoir Capacity	30 gal	30 gal
Relief pressure	2150 psi	2150 psi
Available hp at mower	30 hp	30 hp
Mower Rotation	Away from operator	Away from operator
Construction,		
Mower Frame	12 ga. deck 7 ga. side plates	10 ga. deck 7 ga. side plates