



HYDRAPOWER

Earthmoving Attachments



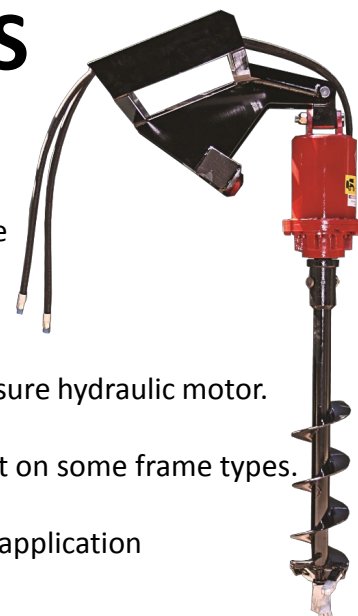
Finer
HYDRAULICS

HYDRAPOWER

AUGER DRIVE UNITS

Power and efficiency are the hallmark of all Hydrapower products and our Auger drive units are no exception to this rule - from the durable gearboxes to the high quality motors.

Ideal for mini excavators, skid steer or backhoe loaders we have an Auger drive unit suitable for your application.



FEATURES AND BENEFITS

High Torque - Incorporates a planetary reduction gearbox driven by a high pressure hydraulic motor.

Frame Hitch - Supplied to suit the carrier machine with the option of a side shift on some frame types.

Output Shafts - Different options, adaptors and extensions to suit any auger or application

Warranty - 24 Months

MODEL	BU1	BU2	NK1	NK2	NK3	NK4
Host Machine Size	1-3t	2-4t	2-4t	4-8t	4-8t	7-14t
Recommended Auger Type	HA-0	HA-1	HA-1	HA-1to 4t HA-2 4-8t	HA-1to 4t HA-2 4-8t	HA-2to 8t HA-3 8-12t HA-4 12t+
Output Shaft Options	65mm dia round	65mm dia round or 50.8mm hex	50.8mm hex or 75mm sq	50.8mm hex or 75mm sq	50.8mm hex or 75mm sq	75mm sq std (50.8mm hex on machines up to 8t)
Max Recommended Auger Size	350	600	600	750	900	1200
Swing Reduction Fitted	Yes	Yes	Yes	Yes	Yes	Yes
Drive Mechanism	Planetary Reduction Gearbox	Planetary Reduction Gearbox	Planetary Reduction Gearbox	Planetary Reduction Gearbox	Planetary Reduction Gearbox	Planetary Reduction Gearbox
Max. Torque	1600Nm 1180ft/lbs	2500Nm 1843ft/lbs	2500Nm 1843ft/lbs	3500Nm 580ft/lbs	4500Nm 3276ft/lbs	7400Nm 5388ft/lbs
Max. Output Speed	80rpm	75rpm	75rpm	95rpm	90rpm	80rpm
Hydraulic Flow	20-40 l/pm	30-75 l/pm	40-75 l/pm	40-95 l/pm	75-115 l/pm	75-150 l/pm
Max. Pressure	207bar	207bar	207bar	241bar	241bar	260bar

HP HYDRAPOWER

PROFILERS & STABILIZERS



ATTRIBUTE	450mm Wide x 200mm Deep	600mm Wide x 200mm Deep	750mm Wide x 200mm Deep	750mm Wide x 250mm Deep	1000mm Wide x 200mm Deep	1000mm Wide x 250mm Deep
PART NO.	92AC450/20	92AC600/20	92AC750/20	92AC750/25	92AC1000/20	92AC1000/25
HYD FLOW	100 – 170 l/pm	100 – 170 l/pm	100 – 170 l/pm	100 – 170 l/pm	100 – 170 l/pm	100 – 170 l/pm
HYD PRESS	207 - 345 bar	207 - 345 bar	207 - 345 bar	207 - 345 bar	207 - 345 bar	207 - 345 bar
MIN HYD POWER HOX MIX MILLING	34kW (45 hp)	48kW (65 hp)	55kW (74 hp)	55kW (74 hp)	63kW (85 hp)	63kW (85 hp)
TRANSMISSION	Planetary Reduction Gearbox with Duo-Cone Seal	Planetary Reduction Gearbox with Duo-Cone Seal	Planetary Reduction Gearbox with Duo-Cone Seal	Planetary Reduction Gearbox with Duo-Cone Seal	Planetary Reduction Gearbox with Duo-Cone Seal	Planetary Reduction Gearbox with Duo-Cone Seal
SIDE SHIFT	710-760mm (28 - 30")	710-760mm (28 - 30")	710-760mm (28 - 30")	710-760mm (28 - 30")	710-760mm (28 - 30")	710-760mm (28 - 30")
TILT	15°	10°	10°	10°	10°	10°
NO. OF PICKS	56	70	70	96	100	110

FB BUCKET BROOM



- 73FB1600 (1600mm), 73FB1700 (1700mm), 73FB1800 (1800mm) and 73FB2000 (2000mm) "FB" series forwards/backwards sweep bucket brooms
- All buckets are fitted with solid steel wheels with non-greasable agricultural bearings, to prevent the cutting edge digging into the sweep up area.
- Recommended for general clean-up work and offers the operator the flexibility of either operating the broom in the forwards or reverse direction.
- A 50/50 mixture of 500mm (20") outside diameter poly and wire brush segments are supplied as standard although this ratio can be altered to suit your application. A solid brush can be fitted upon request.
- Optional side broom can be supplied with the bucket broom or at a later date, (the holes for the side broom are pre-drilled on all bucket). No modifications required.
- The main brush is driven directly off the hydraulic motor thereby eliminating chain and sprockets wear parts.

Maximum Intermittent Press

207 bar (3000 PSI)

Operating Flow Rate

35 - 90 l/min (10 - 24 GPM)

Approx Bucket Capacity

0.20 cubic metres

Weight (without side broom)

325 – 360 Kg

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RBH02 BUCKET BROOM



- Hydrapower's forwards/backwards sweep road bucket - broom attachment is designed to give the operator the ability to sweep while driving the loader in either direction. The bucket comes fitted with pick-up points to suit the loader's quick hitch.
- Three sweeping widths are available: 1800mm (73RBH-04), 2000mm (73RBH-03), 2400mm (73RBH-02) and 2700mm(73RBH-05). The main brush shaft is fitted with 860mm x 250mm (34" x 10") individual poly and wire brushes. The standard set-up from our factory is with half poly brushes and half wire brushes. This generally gives the best performance as the poly segments pick up finer particles and the wire segments give support to the poly segments and assist in picking up larger particles. The main brush shaft can be rotated in either direction (for sweeping either forwards or backwards). The pilot operated cross-port relief valve will prevent the brushes from changing the direction of rotation until the brush shaft has come to a complete stop. This relief valve also acts as a motor spool, allowing the main shaft to free wheel if the hydraulic oil to the motor is shut-off without firstly idling down.
- When sweeping forwards the rubber skirting on the sides of the lid directs swept material back into the brush, preventing windrowing. Solid steel wheels fitted with non-greasable agricultural bearings are fitted to each side of the bucket to prevent the cutting edge from dragging or cutting into the sweep-up area.
- The main brush is driven directly via large displacement hydraulic motors (one at each end of the shaft), thereby eliminating the need for chains, sprockets and other wear parts. Fitted onto the motor shafts are large steel drive couplings with a durable polyurethane coating. The hinges on the lid run full length across the top of the bucket to give adequate strength and support to the lid assembly when dumping.

Operating Press

150-207 Bar (2175-3000 PSI)

Operating Flow Rate

150-200 l/pm: (40-53 g/pm)

Weight

950-1200 kg (2090 – 2645 lbs)

FS BUCKET BROOM



- A forward sweeping bucket broom versatile enough to be worked in conjunction with a road profiler.
- Unique Floating Bristle design to allow brush to follow contours
- Four sweeping widths are available; 1600mm, 1700mm, 1800mm and 2000mm, and all buckets are fitted with a bolt-on cutting edge.
- Innovative design with the bucket in front of brush, allowing it to be lifted out of the way when necessary to sweep right to the end of a cut.
- Bucket opens hydraulically, making emptying easy.
- A 50/50 mixture poly and wire brush segments are standard although this ratio can be altered to suit your application. If desired a solid brush can be fitted to your bucket broom.
- The main brush is driven directly off the hydraulic motor via a urethane-coated drive coupling, minimizing wear parts.
- Optional dust suppression spray kit available.
- Optional higher capacity bucket available if required.

Maximum Intermittent Press

207 bar (3000 PSI)

Operating Flow Rate

35 - 80 l/min (10 - 21 GPM)

Approx Bucket Capacity

0.20 cubic metres

Weight (unloaded)

390 – 450 Kg

RW BUCKET BROOM



- Reverse Sweeping Bucket Brooms couple to the existing quick hitch on your loader and uses the auxiliary hydraulics to drive the brush.
- Four sweeping widths are available; 1600mm (7301), 1700mm (7302), 1800mm (7303) and 2000mm (7304), and all buckets are fitted with a bolt-on cutting edge.
- Recommended for working with a profiler (also called a cold planer), or in conditions where the material to be collected is thick, heavy or wet.
- It is recommended that you reverse when sweeping. A 50/50 mixture poly and wire brush segments are standard although this ratio can be altered to suit your application. If desired a solid brush can be fitted to your bucket broom.
- The main brush is driven directly off the hydraulic motor via a urethane-coated drive coupling, thereby eliminating chain and sprockets wear parts.

*Optional side broom attachment available

Maximum Intermittent Press	207 bar (3000 PSI)
Operating Flow Rate	35 - 90 l/min (10 - 24 GPM)
Approx Bucket Capacity	0.23 cubic metres
Weight (unloaded)	350 – 390 Kg



HYDRAULIC ANGLE SWEEPERS

AS SERIES

Recommended Host Machine	Skid Steer Loader Tractor 35–50hp. Wheel Loader 3–5t
Drive Option(s)	Hydraulic
Sweeping Widths	1800mm, 2000mm, 2200mm
Brush Diameter	600mm
Number of Jockey Wheels	One as standard, optional dual
Angling	Manual, optional hydraulic
Hydraulic Flow Required	40–90lpm
Max. Pressure	207bar (3000psi)

PTO SERIES

Recommended Host Machine	Tractor 35–50hp
Drive Option(s)	PTO
Sweeping Widths	1800mm, 2000mm, 2200mm
Brush Diameter	600mm
Number of Jockey Wheels	One as standard, optional dual
Angling	Manual, optional hydraulic
Hydraulic Flow Required	N/A
Max. Pressure	207bar (3000psi)



HYDRAULIC ANGLE SWEEPERS

RS SERIES

Recommended Host Machine	Tractor 50–75hp backhoe loader. Wheel Loader 5–8t
Drive Option(s)	Hydraulic
Sweeping Widths	1800mm, 2000mm, 2200mm
Brush Diameter	810mm, 860mm, 910mm
Number of Jockey Wheels	Nil as standard, optional single or dual
Angling	Manual, optional hydraulic
Hydraulic Flow Required	50–90lpm (on hydraulic drive models)
Max. Pressure	207bar (3000psi)

PTO SERIES

Recommended Host Machine	Wheel Loader 8–12t
Drive Option(s)	Hydraulic or PTO
Sweeping Widths	1800mm, 2000mm, 2150mm, 2500mm
Brush Diameter	910mm
Number of Jockey Wheels	Two as standard, supplied with spare wheel
Angling	Manual, optional hydraulic
Hydraulic Flow Required	100–280lpm
Max. Pressure	250bar (3625psi)

HT2 TRENCHER STD SIDE SHIFT



- 900mm or 1200mm maximum digging depth.
- The trencher chain has a pitch of 1.654", with a 33,000lbs breaking strain.
- Trenching widths range from 100mm up to 350mm wide (50mm increments).
- All trenchers are supplied with a crumber, twin clearing augers, quick attach frame and hydraulic couplings.
- A robust hydraulic motor drives the trencher via a drive sprocket and drive shaft. This type of set-up reduces wear parts (eg. gearboxes), requires no on-going servicing, and achieves high start-up torque.
- The nose sprocket, idler sprocket and auger clearing sprocket bearings are all triple sealed to help achieve as long a service life as possible.
- Trencher can be offset to one side (usually the left), for trenching close to wall, fences etc.
- The overall length of the 900mm dig depth trencher (with the crumber bar folded back) is 2200mm, making it possible to fit the trencher width way across the back of a truck.
- The side shift trencher is solidly constructed and can also run a rock chain.

*Digging depths are calculated with the boom at a 50° angle to the ground.

Operating Press

165-260 bar (3,770 psi)

Operating Flow Rate

40 - 100 lpm

Weight (with 150mm chain)

350 kg (770 lbs)

HT3 TRENCHER – HEAVY DUTY



- Trencher utilises a 2" pitch chain with a 50,000 lbs breaking strain. Trenching widths range from 150 mm – 350 mm (50 mm increments)
- All Trenchers are supplied with a crumber, twin clearing augers, quick attach frame and hydraulic breakaway couplings.
- 900* or 1200* mm digging depths are available.
- A robust, high quality motor drives the chain via a drive shaft and drive sprocket. This type of set-up reduces wear (eg, gearboxes), requires no on-going service (hydraulic oil lubricates the internals of the motor), and achieves high start-up torque.
- The nose sprocket, idler sprocket and auger clearing sprocket bearings are all triple sealed to help achieve as long a service life as possible.
- All sprockets are manufacture from 360 grade wear plate for extended service life.
- The trencher can be offset to one side (usually the left), for trenching close to walls and fences etc.
- The overall length of the 900 mm dig depth trencher (with crumber bar folded back) is 2200 mm, making possible to fit the trencher width way across the back of a truck.

* Digging depths are calculated with the boom at a 50° angle into the ground, it is not the boom length.

Operating Press	260 bar (3,770 psi)
Operating Flow Rate	40 – 130 lpm
Weight (with 150mm chain)	350 kg (770 lbs)

GRADER ATTACHMENT



FEATURES:

- Attachment fits readily to your loader's quick hitch and utilizes the loader's standard flow hydraulic system.
- Electric over Hydraulic control of Left/Right Blade Raise/Lower, Slew (angling) and Sideshift (600mm) as well as manual Blade Crowd (Roll) for finishing work. Optional proportional valving for laser, GPS or UTS.
- Laser Pole Mounts on both ends of the blade for easy adapting to Laser control.
- 2100 mm or 2400 mm blade width are available.
- The bolt on Grader blade cutting edge is reversible.
- The grader blade can angle a maximum of 45° left or right and has a maximum cutting depth of 250mm.
- The front axles are free floating to follow the ground's contours, and the two pneumatic tyres are able to swivel a full 360°.

Weight (with 150mm chain)

350 kg (770 lbs)

PALLET FORKS



FEATURES:

- Load rating of 1200 kg (2645 lbs) on the 7201-L Forks, and 1600 kg(3525 lbs) on the 7202-L forks at a load centre of 600 mm (24").
- Tyne length is 1060mm (42").
- Distance between the tynes ranges from 350mm to 1350mm (14" – 53) to accommodate various lifting loads.
- Supplied with a heavy duty load guard, which helps to protect the operator against material falling into the cab.

Weight

160 kg

SINGLE HEAD SLASHER



Hydrapower's 1500mm cut, 7601 Hydraulic Slasher Attachment is provided with quick attach frame to suit the carrier machine. The quick attach frame pivots on two bosses, allowing you to crowd the quick hitch forward when slashing to let the slasher deck follow the contours of the ground.

The cutting height can be set between 40mm and 125mm, and set by skids on the slasher deck. A jockey wheel on the front of the slasher helps support the attachment. Debris chains fitted to the front and rear of the deck assist in protecting the operator and other personnel from flying debris.

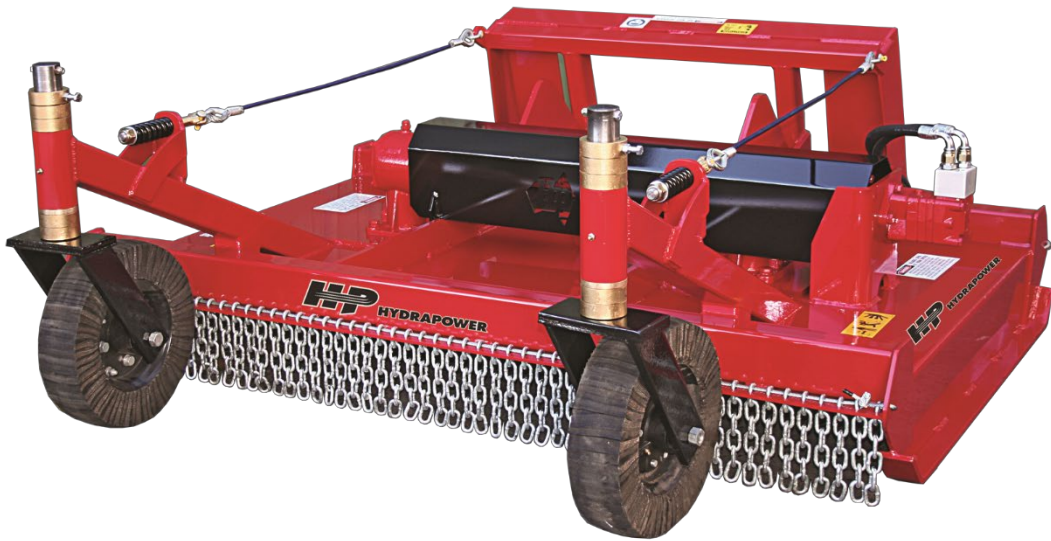
The cutter bar is driven via the hydraulics of the skid steer loader through a hydraulic motor and right-angle drive gearbox. A cross port relief valve is fitted directly to the motor to protect it and the gearbox against sudden stops if the cutting blade should abruptly stop or slow down. The step-on ratio of the gearbox is 1:19, which gives an output speed of 360 rpm at 65 l/min. The tip speed at this rpm is 56 metres/sec (11000 feet/min).

The cutter bar has a 20mm top plate that is shaped to act as "stump jump" so that impact from hidden objects in the grass is reduced. 16mm thick double edge blades are fitted.

Operating Press	138 - 207 bar (2000 - 3000 PSI)
Operating Flow Rate	60 - 75 l/min (16 - 20 GPM)
Weight	375 kg

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DOUBLE HEAD SLASHER



- Two cutting heads slash an area 1800mm wide (the deck is approximately 1800mm x 900mm).
- Able to cut through small saplings and lantana up to 50mm thick. 16mm thick cutting blades.
- Provided with a quick attach frame to suit the host machine which pivots on two bosses, allowing the slasher deck follow the contours of the ground.
- A hydraulic motor drives two right-angle drive (high horsepower) gearboxes – no belts which can jam with debris.
- A cross-port relief valve acts as a clutch should the cutter bars stop suddenly, protecting the hydraulic motor.
- The two jockey wheels supporting the slasher deck are puncture proof.
- Chains are fitted to the front and rear of the deck to contain flying debris.

Operating Press

138 - 207 bar (2000 - 3000 PSI)

Standard Flow Rate

60 - 90l/min (16 - 24 GPM)

High Flow Rate

80 – 160 l/min (21 – 42 GPM)

Weight

475 kg (1047 lbs)