

AN INNOVATION FOR MULCHING HIGH GRASS ON SLOPES

AS-Motor is the preferred manufacturer of professional technology for high grass mowing on steep and difficult-to-access slopes.

Commercial landscapers and municipal and professional operators trust AS-Motor's high grass mowers, both hand-operated and ride-on.

In high grass, flail mowers are particularly impressive due to their high work rates, robustness in the event of unseen foreign objects and uniform cutting results.

After several years of development, AS-Motor now offers a new, unique machine concept: A ride-on flail mulcher engineered for work on slopes, with an extremely low centre of gravity and four-wheel drive for professional use – the **AS 1040 YAK 4WD**.

IN THE WORDS OF A PROFESSIONAL TESTER:

"A total success. I thoroughly tested the new ride-on flail mower and for me the three decisive advantages are: the outstanding cutting results, the robustness, and the extremely high mowing speed."

Harald Ernstberger
 Joes Forstservice,
 Ebermannstadt
 Germany



TECHNICAL SPECIFICATIONS

Mower deck	Cutting device:	Flail mower unit
	Cutting tool:	56 Y-flails, both sides can be used
	Drive, cutting tool:	V-belts
	Cutting width:	100 cm
	Cutting height:	30 - 110 mm
Engine	Transport position:	120 mm
	Transport position surfing:	140 mm
	Number of levels:	7
	Max. growth height:	150 cm
	Design:	2-cylinder, 4-stroke OHV-engine with cyclone filter
Manufacturer:	Briggs & Stratton	
	Type:	Vanguard V-twin 3864 with strong crankshaft (28 mm)
Displacement:	Rated power:	627 cm ³
	Maximum power:	15.5 kW / 21.1 hp
	Engine speed:	17.2 kW / 23.0 hp
	Starting device:	3600 rpm
Drive	Traction drive, type:	Permanent four-wheel drive with cruise-control function
	Drive, rear:	Hydrostatic transmission with limited-slip differential
	Drive front:	Pendulum axle with two hydraulic motors
Dimensions and weights	Speed, forward:	0 - 6,8 km/h
	Speed, reverse:	0 - 6,3 km/h
	Turning radius:	1,40 m
	Weight:	335 kg
Fill quantities	Operating dimensions L/W/H:	199 cm / 122 cm / 159 cm
	with folding rollover bar L/W/H:	199 cm / 122 cm / 108 cm
	Max. trailing load:	100 kg
Work rate	Max. tongue load:	50 kg
	Fuel tank:	15 l / normal petrol
	Engine oil:	1,7 l / 5W-50
Transmission Oil:		6,7 l / 5W-50
Work rate		Max. 6800 m ² /hour

Changes in technology, equipment and price are reserved. Of information or illustrations no claims can be derived.



**THE PROFESSIONAL RIDE-ON FLAIL-MOWER
 STRONG, ROBUST, PERFORMS
 ON DIFFICULT TERRAIN**

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AS 1040 YAK 4WD THE NEW RIDE-ON FLAIL MOWER



ROBUST FLAIL SYSTEM

The AS 1040 YAK 4WD's newly developed 100 cm wide flail mowing unit is a superior alternative to the conventional rotary mowing unit.

MAXIMUM STABILITY AND ROBUSTNESS – the flail mowing unit provides a wider cutting width with maximum stability. Rotary mowers with similar working widths hit their limits in extreme terrain. In the event of unseen foreign objects, the flail mower unit is at significantly less risk of damage and ensures greater operator safety.

UNIFORM CUTTING RESULTS – for visually perfect mowing results across the complete working width. Rather than placing the grass in swaths, like rotary mowers, the flail mowing unit returns tiny particles of grass back to the soil as natural fertiliser.



MADE FOR PROFESSIONALS

HIGHER WORK RATE – since time is money. The flail mowing unit minimises overlap while the professional B&S 2-cylinder Vanguard Commercial OHV horizontal engine delivers power to the flail rotor directly, via a belt drive.

ROBUST AND DURABLE – stable, squared-tube frame with weight-optimized design, low-maintenance hydrostatic transmission and cooling ensure a long service life.



ENGINEERED FOR SLOPES

The new AS 1040 YAK 4WD is a major innovation of ride-on mowers, setting new standards for slope mowing.

LOW CENTRE OF GRAVITY – the engine has been installed deep in the device with the driver seat just a few centimetres above the mowing unit. Four-wheel drive adds crucial safety on slopes.

STABLE LATERAL POSITION – the balanced weight distribution – 45% on the front axle and 55% on the rear axle – ensures outstanding traction and safe work no matter the terrain.



The namesake for the new AS 1040 YAK 4WD is the yak: A long-haired domesticated bovid found throughout the Himalayan region and a much-used pack animal. Yaks are specialists in adapting to their harsh habitat. They also provide top performance under extreme conditions and are the perfect complement to the Sherpa.

Steep slope compatible 15 litre tank for an extended range

On-demand limited slip differential for excellent traction

Foot guard bracket for added safety

Welded lashing eyes for safe transport

Easy-motion, spring-supported cutting height adjustment

Asymmetrically placed flail mower deck for comfortable operation, even under obstacles

Drive lever with cruise control function

Bucket seat with seat spring package for maximum comfort

Stable, folding guard

Durable cyclone air filter

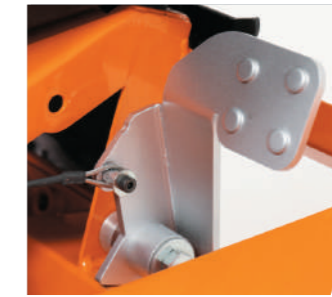
Low back-end for all-round view and optimal weight distribution

Reservoir for hydrostatic transmission oil

Low-pressure tyres filled with AS-Motor tyre sealant

Easily-accessible 12-volt battery, arranged at low position in the mower

SAFETY FIRST



Stable folding rollover bar, integrated safety switch in the driver seat and panic pedal for emergency stop, ensure maximum operator safety. Lashing eyes on the device enable safer transport.

OPTIMAL ERGONOMICS



Upright sitting position, perfect steering wheel placement and legroom for operators up to 6'6" tall. Lateral deflectors protect the operator from dense growth and thorns. Bucket seat with newly developed seat suspension.

EASY MAINTENANCE



Simple replacement of the flails and drive belt thanks to appropriate service cut-outs and openings. Fast access to all maintenance points.

COMFORTABLE TRACTION DRIVE



Variable hydrostatic drive with one-hand drive lever, cruise control and integrated parking brake for fatigue-free work.

EXCELLENT TRACTION



Permanent four-wheel drive with on-demand limited slip differential for the rear axle. Low pressure tyres with aggressive tread and AS-Motor tyre sealant (flat-stop).

SURFING FLAIL MOWER DECK



The surfing mower deck adapts to rough and uneven terrain. Easy height adjustment through spring support.