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EL 43 / EL 53

Power Tillers



SOIL PREPARATION AT ITS BEST!



KUHN

Power tillers

The KUHN EL 43 and EL 53 Power tillers are versatile tillers that offer efficiency and performance while providing high reliability and adaptability to a wide range of requirements.

The various needs and requirements of vineyards, market gardeners, nursery workers, landscapers, horticulturist and gardeners are met through careful design and construction.

KUHN EL 43 and EL 53 Power tillers provide:

- Optimum seedbed preparation in various working conditions for good germination and vigorous young plant growth.
- Benefit from innovations designed with the operator in mind.
- Equipment from the manufacturer renowned for safety, reliability and longevity
- Choice of working widths and power inputs to meet all requirements.



COSTS REDUCTION



GOOD PRACTICES

KUHN offers solutions for soil preparation while meeting your requirements in terms of:



COMFORT - QUALITY OF LIFE



PROXIMITY - ADVICE



PEACE OF MIND - SERVICES

POWER TILLERS

EL 43 - EL 53

Perfect design for optimal soil preparation

3

The EL 43 Power Tiller has been specially designed for seedbed preparation, gardening, greenhouse operations, ground and landscape maintenance. It is particularly suited for compact and small tractors of 15 (11 kW) to 40 (30 kW) horsepower.



Landscape designs and more

The compact design and low profile of the EL 43 power tiller allows the tiller to work safely under overhanging branches and close to greenhouses.



SPECIFICATIONS	EL 43/105	EL 43/130	EL 43/150	EL 43/190
Working width (m/inch.)	1.07 / 42"	1.27 / 50"	1.48 / 58"	1.89 / 74"
Max. authorised power (kW/hp)	30/40			
PTO speed (rpm)	540			
Gearbox overload protection	Standard friction slip clutch			
Offset capability to the right	0 to 8.46"	0 to 12.4"	0 to 16.5"	-



Flexibility to meet all kinds of soil preparation

POWER TILLER EL 53

Designed for operation in demanding environments on tractors with greater horsepower, the EL 53 meets the needs of contractors, landscapers, and farmers who demand the most from a tiller. Built considerably heavier than the EL43, the EL53 is the ideal tool for the soil preparation needs of vineyards, orchards, landscape contractors, nurseries, market gardeners, and parks.



For optimal seedbed preparation the rear hood is spring loaded with down pressure capability when needed. Down pressure firms the soil and leaves the soil level, smoother and better prepared for planting grass, laying sod, or any application where a firmer soil tilth is required.

SPECIFICATIONS	EL 53/100	EL 53/130	EL 53/155	EL 53/190
Working width (m/inch.)	0.97 / 38"	1.27 / 50"	1.52 / 60"	1.88 / 74"
Max. authorised power (kW/hp)	37/50			
PTO speed (rpm)	540			
Gearbox overload protection	Standard friction slip clutch			
Offset capability to the right	0 to 6.1"	0 to 11.8"	-	-

Common points that make a difference

5



Side chain case

- Heat-treated sprockets,
- Oversized chain, with automatic tension adjustments,
- The chain of an EL 53 has 24% greater resistance to fatigue than competitive models.
- Drive chain protected by an thick-walled chain case and is lubricated in an oil bath.



Central gearbox

- Rugged cast iron gearbox mounted directly to the tiller frame with pinion gears that run in an oil bath for a long service life.
- The drive is protected by a friction slip clutch as standard.

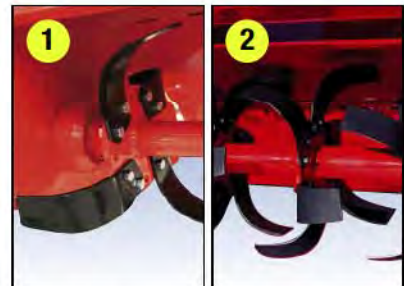
Rear hood for optimal soil crumbling

The adjustable rear hood enables adjustment of the crumbling effect and ensures soil levelling. The shape of the rear hood provides a uniform soil flow and excellent work in a greater range of conditions.



Quick Hitch Compatible

With a simple optional adaptor the hitches of the EL 43 and EL 53 are compatible with the North American Category 1 Quick Hitch for faster attachment and removal.



C-blades

The special curved design of the Kuhn tiller blade has been intensively tested and provides:

- Optimum chopping and incorporation of plant residue
- Aggressive entry into hard soil while requiring less horsepower
- Intensive crumbling effect on soil clods
- Long service life

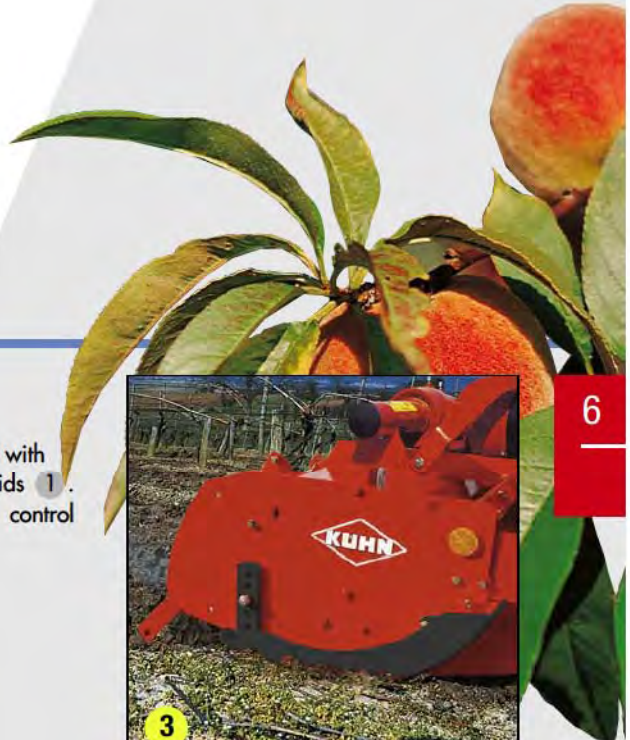
The EL 43 is fitted with 4 blades per flange 1 with the possibility to fit 6 blades/flange for increased crumbling efficiency while the EL 53 is fitted with 6 blades per flange 2. For shallow work, L-blades can be fitted on the EL 53 (available as spare parts).



Offset hitch capability

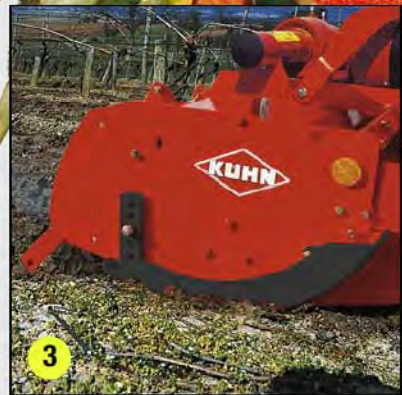
Offset hitch capability normally allows a tiller that are narrower than the tractor to remove the tractor wheel track on the right side. The amount of offset varies depending on model with the EL 43-150 featuring to 16" (42 cm) of offset. Offsetting the hitch is easily accomplished and the gearbox moves with the hitch to retain proper PTO shaft alignment.

Controlling the working depth



EL 43

All EL43's are fitted as standard with easily adjustable depth control skids 1. Where desired optional depth control wheels are available.



EL 53

Three choices in depth control are available:

- Standard depth control wheels 2
- Optional depth control skids 3
- Optional heavy-duty depth control skids with larger diameter wheels and more robust wheel column for demanding applications 4.



SPECIFICATIONS

Exclusive features

Hitch frame with a wide base mounted on a sliding frame	Stronger attachment to the sub-frame increases strength even when the tiller is set for maximum offset.
Triangulated headstock.	Solid attachment without play between hitch frame and sub-frame. Secure assembly with less hardware.
Sturdy side chaincase with heat-treated sprockets running oversized ASA-80 (EL 43) and ASA-80HV (EL 53) chains running in an oil bath.	Longer service life of the power tiller
Automatic chain tensioner	Automatic adjustment of the drive chain tension avoids wear caused by incorrect chain tension adjustment.
High strength rotors fitted with anti-wrap protection.	Long life in difficult conditions. Rotor bearing seals normally protected from damage caused by wrapping from grass or twine.
Rear hood easily adjusted.	Easy adjustment by means of check chains (EL 43) or pins (EL53) allows adaptation of the final soil tilth to match conditions.
Substantial thickness to the top and rear hood.	Resists dents from stone impacts. Added weight provides more stable operation and improved levelling.
Central gearbox set rearward for increased PTO shaft length and reduced operating angles.	Reduced vibration and longer service life of the PTO shaft components.

TECHNICAL SPECIFICATIONS		EL 43/105	EL 43/130	EL 43/150	EL 43/190*
Working width (m/ft)		1.07 / 42"	1.27 / 50"	1.48 / 58"	1.89 / 74"
Overall width (m/ft)		1.21 / 3'11"	1.41 / 4'7"	1.62 / 5'4"	2.02 / 6'8"
Minimum PTO power requirement (depends on soil conditions) (kW/hp)		10 / 14	11 / 16	13 / 18	14 / 19
Max. allowable engine power (kW/hp)		30/40			
PTO speed (rpm)		540			
Rotor speed at 540 (rpm)		211			
Drive chain protection		Friction slip clutch as standard			
Rotor diameter (mm/(in.))		390 / 15.3'			
Number of mulch blades per flange/total	4 blades/flanges	4/20	4/24	4/28	4/36
	6 blades/flanges	6/30 (Opt)	6/36 (Opt)	6/42 (Opt)	6/54 (Opt)
Min./Max. working depth (mm/in.)		50-150 / 2"-6"			
Working depth control		Skids are standard - Depth control wheels are optional			
Tiller offset to the right (mm/in.)		22/8.4"	32/12.4"	42/16.5"	N/A - fixed
Attachment		Category 1 and 1 N standard			
Weight (kg/lbs.)		210 / 463	225 / 496	240 / 529	265 / 585

* Not available in some countries.

TECHNICAL SPECIFICATIONS		EL 53/100	EL 53/130	EL 53/155	EL 53/190*
Working width (m/ft)		0.97 / 38	1.27 / 50"	1.52 / 60"	1.88 / 74"
Overall width skids/wheels (m/ft)		1.12 (3'8") / 1.10 (3'7")	1.42 (4'8") / 1.37 (4'6")	1.67 (5'6") / 1.62 (5'4")	2.03 (6'8") / 1.98 (6'6")
Minimum PTO power requirement (depending on soil conditions) (kW/hp)		13/18	18/24	21/28	24/32
Max. allowable engine power (kW/hp)		37/50			
PTO speed (rpm)		540			
Rotor speed at 540 (rpm)		244			
Drive chain protection		Friction slip clutch as standard			
Rotor diameter (mm/in.)		430/17"			
Number of mulch blades per flange/total		6/24	6/30	6/36	6/48
Min./Max. working depth (mm/in.)		50-150/2"-6"			
Working depth control		Depth control wheels as standard - Skids and HD wheels are optional			
Tiller offset to the right (mm/in.)		155/6"	300/12"	300/12"	N/A - fixed
Attachment		Category 1 and 1 N			
Weight (kg/lbs.)		250 / 550	275 / 605	295 / 649	330 / 726

* Not available in some countries.

Kuhn offers power tillers for tractors from 25 hp to more than 200 hp. Literature available on request.

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YOUR KUHN DEALER:

Kuhn North America
Corporate Headquarters
1501 West Seventh Avenue - P.O. Box 157
Brookfield, WI 53520-0157 USA
Tel: (608) 897-2131 Fax: (608) 897-2561
www.kuhnorthamerica.com

KUHN FARM MACHINERY PTY. LTD.
7 Manorwood Pl., MITCHAM, 3132 VIC.
Fax: 03 9874 3462
www.kuhn.com

United Kingdom:
KUHN FARM MACHINERY (U.K.) LTD
Stafford Park 7,
TELFORD - SHROPSHIRE TF3 3 BQ
Phone: TELFORD (01952) 239300/1/2
Fax: (01952) 290091
www.kuhn.co.uk



KUHN S.A. - F 67706 Saverne Cedex
www.kuhn.com