

**brevi reco**

# Power Harrows



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Harrows**

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## Quality and value you can trust

Proven, robust, efficient and cost-effective agricultural machinery from RECO comes with service and support that will never let you down.

So we are proud to represent Brevi, the Italian brand of farm machinery that in Europe has become synonymous with reliability – as well as outstanding quality and unbeatable value.

As the sole UK distributor of Brevi Power Harrows, we are delighted to offer farmers in this country the opportunity to benefit from machinery which is founded on advanced R&D that responds to the needs of the modern industry. State-of-the-art production facilities, top quality manufacturing and specially sourced steel that combines high tensile strength with elasticity are also key Brevi components.

The highly competitive prices we are able to offer are backed by the rich manufacturing heritage of the Breviglieri (hence Brevi) family. In Italy, the name Breviglieri is associated with 'machines for working the soil'. Since 1949, the company has brought technical innovation to the task of working on the land.

This latest range of power harrows continues that tradition.



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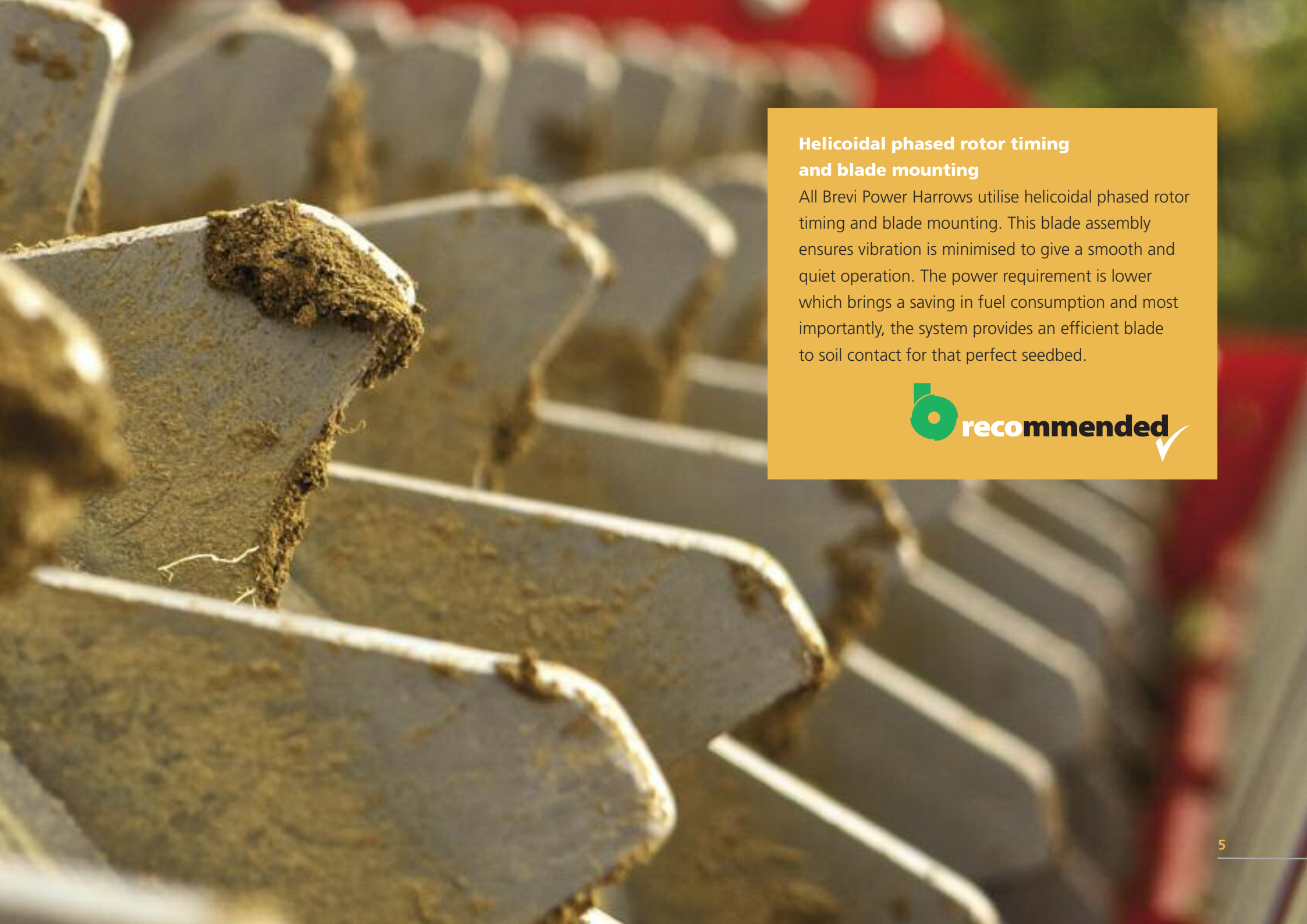
# Brevi Power Harrow

Every farmer understands the importance of a well finished seedbed to the subsequent crop germination and yield.

Thanks to continuous product development, Brevi Power Harrows have earned an excellent reputation on small, medium and large farms not only for their performance but also for their time saving and power efficiency. The range includes a number of models in both fixed and folding configurations with working widths ranging from 1.10 to 7.00m and to suit tractors from 30 to 350 horsepower.

Further savings in operating costs are also possible by coupling the power harrow to a seed drill and enabling the two operations in a single pass.





### **Helicoidal phased rotor timing and blade mounting**

All Brevi Power Harrows utilise helicoidal phased rotor timing and blade mounting. This blade assembly ensures vibration is minimised to give a smooth and quiet operation. The power requirement is lower which brings a saving in fuel consumption and most importantly, the system provides an efficient blade to soil contact for that perfect seedbed.



# MekFarmer 220 SF/ 240 SF Doublekonic

## MekFarmer 220 SF

Available in 3.0, 3.5, 4.0 and 4.5m working widths, the MekFarmer 220 SF model is rated up to 220hp.

Supplied as standard with a 550mm ø packer roller\*, the combined weight of the harrow and packer results in a good consolidation of the seedbed. The increased diameter of the roller ensures the soil is not over-compacted but the surface is sufficiently pressed to ensure good moisture retention.

This model is supplied as standard with SF blades (see page 19).

\*or 450mm ø crumbler roller

## MekFarmer 240 SF Doublekonic

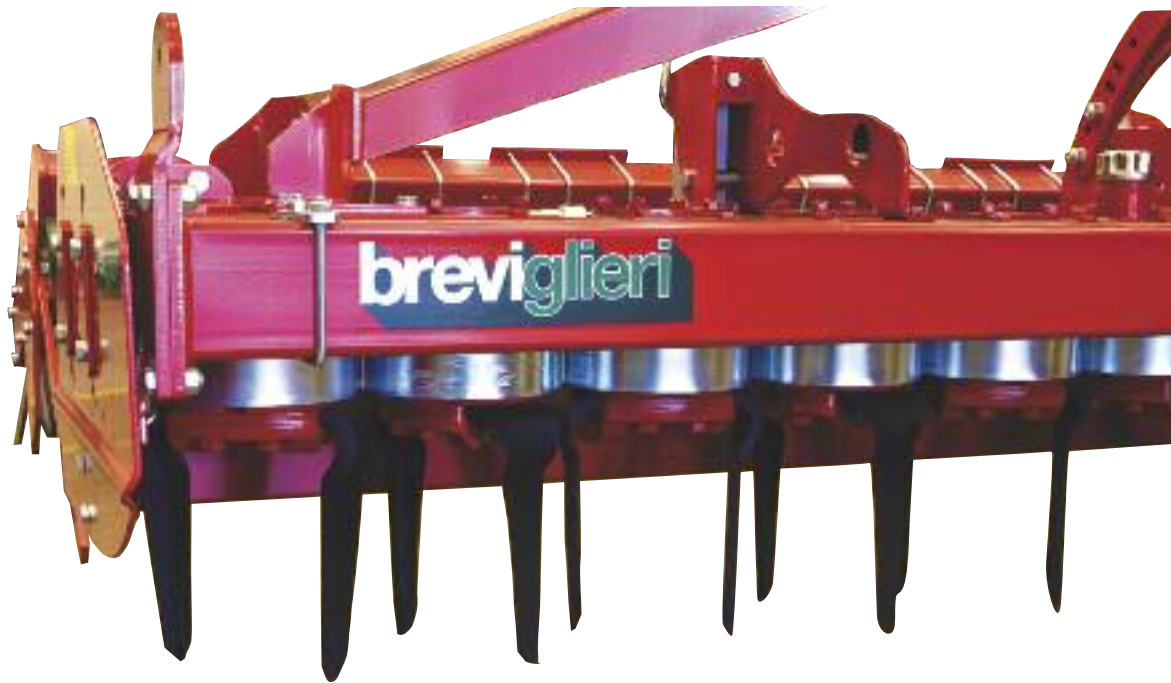
Rated up to 240hp, this model is available in 3.0 and 4.0m versions. Both are equipped with the 'Doublekonic' bearing arrangement which ensures protection from high shock loads, stones and debris. The 'Doublekonic' arrangement is completely maintenance-free (see page 18 for more details).



### MekFarmer 220 SF Technical data

	Tractor power	PTO speed	Width (work)	Width (transport)	Tine no.	Tine depth	Weight (crumbler roller)	Weight (packer roller)
Model	HP	rpm	cm	cm	n.	cm	KG	KG
							Ø 450	Ø 550
220 SF-3.0m	140-220	1000	295	300	24	10-32	1285	1570
220 SF-3.5m	150-220	1000	345	350	28	10-32	1430	1730
220 SF-4.0m	170-220	1000	395	400	32	10-32	1580	1860
220 SF-4.5m	180-220	1000	445	450	36	10-32	1730	2010





**Options available**

- \_\_\_\_\_ Mechanical roller adjustment
- \_\_\_\_\_ Hydraulic roller adjustment
- \_\_\_\_\_ Hydraulic drill linkage
- \_\_\_\_\_ Eradicator tines
- \_\_\_\_\_ Reflective rear panels



**MekFarmer 240 SF Technical data Doublekonic**

	Tractor power	PTO speed	Width (work)	Width (transport)	Tine no.	Tine depth	Weight (crumbler roller)	Weight (packer roller)
Model	HP	rpm	cm	cm	n.	cm	KG Ø 450	KG Ø 550
240 SF – 3.0m	140-240	1000	298	300	24	10-32	1520	1800
240 SF – 4.0m	170-240	1000	398	400	32	10-32	1670	1950

# Technical specification

## Bearing specification

MekFarmer 150/150 SF/220 SF use a one piece, 'en-bloc' rotor shaft and blade holder support flange.

With support bearings top and bottom, the rotors are able to withstand difficult and demanding working conditions.

The MekFarmer 220 SF has a special plate under the top bearing to retain the bearing components in the unlikely event of failure.

Extra support is supplied from the gear tray manufactured using a special 'Domex' steel – this provides strength with flexibility for long-term reliability.

The stone collar protectors and double labyrinth protect the bottom rotor shaft seals and bearings from soil contamination. The round blade holders and collar protections also prevent stones and clods from damaging the underside of the flat-bottomed gear tray.

The geartray underside profile has been proven for its strength and reliability over many years.

## Doublekonic

The MekFarmer 240 SF Doublekonic and MekFold 350 SF Doublekonic both feature the special 'Doublekonic' bearing system.

This is a double tapered roller bearing enclosed in a one-piece cartridge, offering greater strength and support at higher horsepowers.

Model	Thickness of flat plan steel steel	Diameter of tine holder with shaft	Main PTO shaft protection
MekFarmer 80	5mm	45mm	shear-bolt
MekFarmer 100	5mm	45mm	shear-bolt
MekFarmer 120	5mm	50mm	disc-clutch
MekFarmer 150	5mm	50mm	disc-clutch
MekFarmer 150 SF	5mm	50mm	disc-clutch
MekFarmer 220 SF	7mm	55mm	cam-clutch
MekFarmer 240 SF Doublekonic	7mm	55mm	cam-clutch
MekFold 180	5mm	45mm	disc-clutch
MekFold 220 SF	5mm	50mm	cam-clutch
MekFold 260 SF	5mm	50mm	cam-clutch
MekFold 300 SF	7mm	50mm	cam-clutch
MekFold 350 SF Doublekonic	7mm	50mm	cam-clutch

### Standard bearing



### Doublekonic bearing



### Blades

### Blade detail (mm)

MekFarmer 80	260x12
MekFarmer 100	260x12
MekFarmer 120	300x15
MekFarmer 150	300x15
MekFarmer 150 SF	300x15
MekFarmer 220 SF	320x16
MekFarmer 240 SF	320x16
MekFold 180	270x12
MekFold 220 SF	320x16
MekFold 260 SF	300x15
MekFold 300 SF	320x16
MekFold 350 SF Doublekonic	320x16



## Blade assembly

Brevi Power Harrows feature a special configuration of blade mounting and phased rotor timing. Phased rotor timing ensures that the blades' leading (striking) edge is staggered across the bed width (see diagram A) producing the following benefits:

Eliminated vibrations – resulting in a smooth and quiet operation

Reduced absorption of power – increased savings in fuel consumption

Efficient blade-soil contact – for a perfect seedbed.



Diagram A



## Super-Fast Blades

This system makes replacing blades a breeze! Brevi were the first power harrow manufacturer to introduce quick-release blades and today, their Super-Fast system is one of the quickest and easiest on the market. The Super-Fast blade system is completely tool-free and simply involves the removal of a single lynch pin.

## Main gearbox speed ratios

	Gears	540 RPM	1000 RPM	
MekFarmer 80	-	-	324	Standard
MekFarmer 100, 120	17	16	311	Standard
	16	17	275	Standard
	18	15	352	Option
	15	18	244	Option
	12	21	-	309
	13	20	-	352
MekFarmer 150, 150 SF	32	24	348	Standard
	24	32	-	362
	30	26	301	Option
	33	23	374	Option
	25	31	-	389
	22	34	-	312
MekFarmer 220 SF,	18	19	-	332
240 SF Ultrakonic	19	18	-	371
	16	21	-	267
	21	16	-	461
	17	20	-	298
	20	17	-	413
MekFold 180	-	-	-	310
MekFold 220 SF, 260 SF	12	21	-	310
	13	20	-	252
MekFold 300 SF,	17	18	-	324
350 SF	18	17	-	363
	16	19	-	288
	19	16	-	407



**reco**

agricultural & groundcare machinery

brampton road, huntingdon, cambs, pe29 3bs

01480 455151

sales@reco.co.uk

**www.reco.co.uk**

