

Soil Preparation



Cultivators, Vertical Tillage and Rock Picker

Field Cultivator 800 series



Kongskilde has for many years been well known as a manufacture of "S" tine cultivators designed to prepare a quality seedbed and provide for higher yields. The secret vibrating tines are on a true 4" tine pattern. The "S" tine design ensures depth accuracy. The stirring vibrations provides for a good homogeneous blanket of soil on the seed zone. This layer, on a firm base created by the "S" tines, allows for a good seed to soil contact, ensures even soil temperatures, and maintains soil moisture.

The result is earlier, more even germination and more even plant growth, resulting in higher yields.

The Series 800 frame is easily expanded. Unique special "indented" frame design gives extra strength for future add-on sections.

The Kongskilde Series 800 affords features normally found only in larger one to two pass machines with the maneuverability of popular lighter machines on the market.



Double Spiral Roller

Specifications

*Basic frame units		SPECIFICATIONS - 800 SERIES			*6" spacing as optional
Model	Working widths	# of tines (shanks)	Transport width	Approx wt lbs/kg	Wt w/dbl. spiral
804	4'2"/1.2 m	13	4'2"/1.2 m	469 lbs/213 kg	814 lbs/369 kg
805	4'10"/1.5 m	15	4'10"/1.5 m	509 lbs/230 kg	894 lbs/405 kg
805A	5'6"/1.7 m	17	5'6"/1.7 m	550 lbs/250 kg	965 lbs/438 kg
806	6'2"/1.9 m	19	6'2"/1.9 m	573 lbs/260 kg	1007 lbs/457 kg
807*	6'10"/2.1 m	21	6'10"/2.1 m	712lbs/323 kg	1251 lbs/567 kg
808	7'6"/2.3 m	23	7'6"/2.3 m	782 lbs/355 kg	1374 lbs/623 kg
810	9'6"/2.9 m	29	9'6"/2.9 m	992 lbs/418 kg	1736 lbs/755 kg
811	10'2"/3.1 m	31	10'2"/3.1 m	1061 lbs/481 kg	1857 lbs/842 kg
812	12'2"/3.7 m	37	12'2"/3.7 m	1255 lbs/569 kg	2205 lbs/999 kg
813	12'10"/3.9 m	39	12'10"/3.9 m	1323 lbs/600 kg	2324 lbs/1054 kg
815*	14'10"/4.5 m	45	14'10"/4.5 m	1527 lbs/639 kg	2682 lbs/1217 kg
816	15'6"/5.0 m	47	15'6"/5.0 m	1596 lbs/724 kg	2803 lbs/1271 kg
818	17'6"/5.2 m	53	17'6"/5.2 m	1798 lbs/816 kg	3158 lbs/1433 kg
819	18'2"/5.5 m	55	18'2"/5.5 m	1866 lbs/846 kg	3278 lbs/1487 kg
820	20'2"/6.2 m	61	20'2"/6.2 m	2070 lbs/939 kg	3635 lbs/1647 kg



Oval Beam-Truss frame design for added strength.



Crank Adjustment Gauge Wheel

Vibro Master 3000



Kongsilde Vibro Master 3000 is a fully-mounted seedbed cultivator equipped with vibrating tines in working widths from 21' to 27', for tractors up to 250 hp.

Seedbed preparation

Using a vibrating-tine cultivator for your seedbed preparation has the following advantages:

- Soil is completely worked and re-consolidated in the same pass.
- Optimum seedbed preparation according to different soil types.
- Soil layering effect.
- Small clods lower down for fast germination.
- Bigger clods on the surface to minimise erosion.
- Seed is placed on firm soil for fast germination.
- Optimum access for plant roots to nutrients, water and oxygen.
- Variety of tine types and tine spacing layouts to suit specific soil conditions.

Frame

- 5 rows of tines with a symmetrical pattern, allowing soil and residues to pass without block-ages.
- Construction based on a mix of square tube and flat bar gives an extremely strong but lightweight frame.
- Fully-mounted range makes larger working widths easier to handle.
- 3-section frame allows a degree of terrain following.

Depth control

- 4 large rubber wheels mounted inside the frame behind the front beam ensure accurate depth control.
- Easy depth adjustment by spindles with clear indicators.

Road transport

- 10' transport width allows easy passage on narrow roads.
- Hydraulic or mechanical wing lock system operated from the tractor cab.

Rear harrows

- Special roller attachment system allows pressure to be adjusted and transferred to the rear rollers for re-consolidation.
- The attack angle and pressure of the rear rollers can easily be adjusted to suit different conditions.

Levelling

- Spring-loaded levelboard with or without spikes.
- Soil is levelled before entering the cultivator section.
- Choice of 2 different working modes: Crushing or levelling.



5 rows of tines in a symmetrical pattern ensuring a blockage-free passage of soil and residues.



Levelboard with or without spikes for crushing and levelling the soil surface before entering the cultivation zone. Can be set to crushing or leveling mode.



Lower linkage Cat. 2 and 3. Linkage pins are protected from rotation and wearing.



Slotted hole in the topmast helps the cultivator follow the soil surface in hilly conditions.



Tines

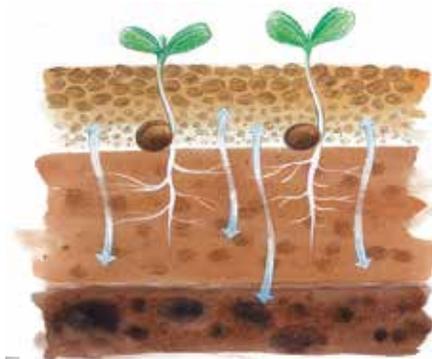
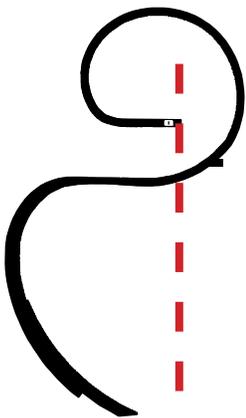
- Genuine Kongskilde vibrating tines manufactured in own factory, carrying Kongskilde mark of quality.
- Tine patterns with 3" , 4" or 6" spacing.
- With 4 different types of genuineKongskilde vibrating tines available,the cultivator can work in a wide variety of soil conditions.
- Attack point of the share is directly below the connection point to the frame, ensuring an even working depth even when the tine is under load.



Hydraulic or mechanical wing lock system for safe road transport and convenient operation from the tractor cab.



Vertical folding to maximum 10' transport width.



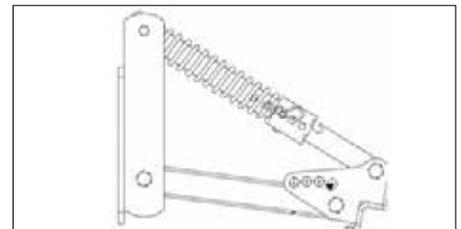
Model	Working width, ft	Transport width, ft	Transport height, ft *)	Tine spacing, inches	Number of tines	Number of wheels	Power requirements, HP	Weight excl. accessories, lbs
VM 3065 - S	21	10	10.5	4	65	4	140-180	3,363
VM 3065 - SQ	21	10	10.5	3.5	81	4	140-180	3,583
VM 3065 - SS	21	10	10.5	4	65	4	140-180	3,583
VM 3065 - VTM	21	10	10.8	6	43	4	140-180	3,363
VM 3075 - S	24.5	10	10.8	4	75	4	155-205	3,693
VM 3075 - SQ	24.5	10	10.8	3.5	93	4	155-205	3,914
VM 3075 - SS	24.5	10	12	4	75	4	155-205	3,914
VM 3075 - VTM	24.5	10	12.4	6	51	4	155-205	3,693
VM 3083 - S	27	10	13.4	4	83	4	170-250	4,024
VM 3083 - SQ	27	10	13.4	3.5	103	4	170-250	4,245
VM 3083 - SS	27	10	13.4	4	83	4	170-250	4,245
VM 3083 - VTM	27	10	13.7	6	55	4	170-250	4,024



Tines Options	S - Tine	VTM - Tine
		
Attack angle	44°	50°
Frame height, inches	15.3	19.7
Dimensions, inches	1.26 x 0.4	2 x 0.4
Tine spacing, inches	4	6
Working depth, inches	1-3.5	2-4.7
Standard Shares		
Dimensions inches (mm)	1.38" x .24" (35 x 6 mm)	2.75" x .24" (70 x 6 mm)

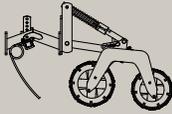


4 large rubber wheels running in front of the tines on firm soil for even depth control.



Rear harrow attachment system gives varying roller pressure and attack angle options.

Where to use:		
Light soil	x	-
Medium soil	-	-
Heavy soil	-	x
Ploughed field	x	x
With residues	-	x

Options	RL-VM3	RD-VM3	RDL-VM3	FL-VM	LB-VM / LBS-VM
					
Stony conditions	+	+	+	++	+
Soil compaction	++	++	++	-	-
Crumbling	++	++	++	+	-
Levelling	++	++	++	++	++
Field residue	++	+	++	-	-

+ = recommended ++ = highly recommended

Vibro Till 8200 SF - Field Cultivator



Kongskilde's Model 8200 cultivator series has 6 rows of shanks which allows for unmatched residue clearance with tines in 4" (10 cm) or 6" (15 cm) centers. The framework is 4" (10 cm) x 4" (10 cm) x 1.4" (0.635 cm) wall thickness. The framework is extruded through all frame members for added strength. The frame is 162" (4.115 m) from the front tine bar to the rear tine bar.

The 8200 is using "S" tine technology that Kongskilde is known for. The S-tine consists of 3 pieces: the coil, the stem, and the share. There are 2 different size coils being used on the 8200: .524" thick (13.3 mm) for use on 4" spacing and .624" thick (16.3 mm) for use on 6" spacing. The dimension of the coil ensures the powerful forward, backward and sideways motion of the tine. The S-tine is

strong enough for first pass tillage yet vibrant enough to create an excellent seedbed.

In addition, as the S-tine enters the soil, its aggressive circular action begins shattering the hardened soil creating a loose and mellow soil for a superior seedbed. The integrity of the components of each tine ensures the entire area is treated evenly in depth and width, and the field is not left with heavy tine tracks. Since it has the most holding power in the industry, (110 lb point pressure on the 13 mm tine and 160 lb point pressure on the 16 mm tine) the Kongskilde S-tine can go in the hardest clay soil to the lightest sandy soil. S-tines can cultivate the soil from a very shallow depth of 1/2" (1.3 cm) up to 4" (10 cm) deep while providing a superior quality seedbed at all depths within that range.



S-tine



C-Shank

The 8200 is also available with a heavy-duty C-Shank option. The C-Shank has a point pressure of 195 lbs

Specifications - Single Fold

Sizes	26-1/2' (8.1 m), 28-1/2' (8.7 m), 30-1/2' (9.3 m), 32-1/2' (9.9 m)		
Transport Height	26-1/2': 11' 3" (3.4 m), 28-1/2': 12' 10" (3.9 m), 30-1/2': 13' 8" (4.2 m), 32-1/2': 10' 0" (4.3 m)		
Transport Width	16' 4" (4.98 m)		
Number of Tines	4" Spacing	6" Spacing	
	26-1/2':	78	52
	28-1/2':	84	56
	30-1/2':	90	60
	32-1/2':	96	64
Tires & Wheels:	Single Fold:		
	<ul style="list-style-type: none"> Main frame - 11L x 15 tires, 12 ply, 8 bolt wheels Wings - 9.5 L x 15 tires, 12 ply, 6-bolt wheels 		
Hydraulics	<ul style="list-style-type: none"> Main Frame Wheel Lift Cylinders - 3-3/4" x 8" (9.4 cm x 20 cm) Wing Wheel Lift Cylinders - 3-1/2" x 8" (8.8 cm x 20 cm) Wing Fold Cylinders <ul style="list-style-type: none"> 26-1/2', 28-1/2' & 30-1/2' - 4" x 30" (10 cm x 76 cm) 32-1/2' - 4-1/2" x 30" (11.43 cm x 79 cm) 		



Front Gauge Wheel

Vibro Till 8200 DF - Field Cultivator



The Single Fold and Double Fold 8200 comes standard with heavy duty walking tandems on the mainframe and wings, front gauge wheels, single point hydraulic adjustment, drop leg jack, and a safety light kit.

Spike), 3-Bar Flex Drag Spike, and a 5-Bar Flex Drag Spike.

Horsepower requirements for the 8200 ranges from 7 to 10 horsepower (5.15 to 7.36 kW) per foot.

There are also 5 styles of harrows available for the 8200: Double Spiral Roller/Double Spike, Double Spiral Roller, Combi Harrow (Single Spiral Roller with 3-bar Flex Drag



Heavy Duty Walking Tandems

Specifications - Double Fold

Sizes	36-1/2' (11.1 m), 38-1/2' (11.7 m), 40-1/2' (12.3 m), 42-1/2' (13 m), 44-1/2' (13.6 m), 46-1/2' (14.2 m), 48-1/2' (14.8 m)																								
Transport Height	36-1/2': 11' 4" (3.4 m), 38-1/2': 12' 9" (3.9 m), 40-1/2': 13' 5" (4.1 m), 42-1/2': 13' 5" (4.1 m), 44-1/2': 13' 5" (4.1 m), 46-1/2': 14' (4.3 m), 48-1/2': 14' (4.3 m)																								
Transport Width	18' 7" (5.65 m)																								
Number of Tines	<table border="1"> <thead> <tr> <th></th> <th>4" Spacing</th> <th>6" Spacing</th> </tr> </thead> <tbody> <tr> <td>36-1/2':</td> <td>106</td> <td>72</td> </tr> <tr> <td>38-1/2':</td> <td>112</td> <td>76</td> </tr> <tr> <td>40-1/2':</td> <td>118</td> <td>80</td> </tr> <tr> <td>42-1/2':</td> <td>124</td> <td>84</td> </tr> <tr> <td>44-1/2':</td> <td>130</td> <td>88</td> </tr> <tr> <td>46-1/2':</td> <td>136</td> <td>92</td> </tr> <tr> <td>48-1/2':</td> <td>144</td> <td>96</td> </tr> </tbody> </table>		4" Spacing	6" Spacing	36-1/2':	106	72	38-1/2':	112	76	40-1/2':	118	80	42-1/2':	124	84	44-1/2':	130	88	46-1/2':	136	92	48-1/2':	144	96
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Tires & Wheels:	Single Fold: <ul style="list-style-type: none"> Main frame - 12.5L x 16.5 tires, 14 ply, 8 bolt wheels Inner & Outer Wings - 9.5 L x 15 tires, 12 ply, 6-bolt wheels 																								
Hydraulics	<ul style="list-style-type: none"> Wheel Lift Cylinders <ul style="list-style-type: none"> Main Frame - 4-1/4" x 8" (10.8 cm x 20 cm) Inner Wing - 4" x 8" (10 cm x 20 cm) Outer Wing - 3-3/4" x 8" (9.4 cm x 20 cm) Wing Fold Cylinders <ul style="list-style-type: none"> Inner Wing - 4 cylinders - 4-1/2" x 30" (11.43 cm x 76 cm) Outer Wing - 4 cylinders - 4" x 30" (10 cm x 76 cm) 																								



Depth Gauge



Single Point Hydraulic Adjustment



Double Spiral/Double Spike Harrow

9100 Vertical Tillage System



Gang Angle Adjustment

What sets the Kongskilde Model 9100 apart from its competition is the ability to adjust the gang angle. The angle can be set at 5 different settings - 0, 4, 8, 12, and 16 degrees. This adjustment allows for a minimal cutting action for Spring use to a very aggressive cutting action for Fall use.

In addition to the adjustable gangs, the Kongskilde Model 9100 uses a 20" (18" on the outside) Soil Razor VT disk blade to cut the trash and mix with the soil to help in the decomposing of the residue. The saw tooth design remains sharp as it wears and makes for a perfect cutting action to suit all soil types and residue management.

Vertical Tillage System

Spiral Rollers

The 14" spiral rollers assure the desired leveling and firming of the soil. The use of the rollers make for a suitable seedbed in a single pass. There is a separate roller for each section of the unit and each section can be pinned up for fall tillage. The mounting

arms of the spiral rollers have an adjustable spring to control the amount of downpressure on the rollers. Each roller has a heavy duty flange type greaseable bearing.

Tandem Wheels

Heavy duty tandem wheels are on the mainframe and wings. The mainframe has 12 x 16.5 - 12 ply tires with 8-bolt wheels. The wings have 11L x 15 - 12 ply tires with 6-bolt wheels.

Framework

The framework consists of 6" x 6" for the mainframe (150 mm x 150 mm) - 1/2" (12.5 mm) wall thickness. The cross members are 6" x 4" (150 mm x 100 mm) - 1/2" (12.5 mm) wall thickness. The cross members are threaded through the front to back mainframe tubes for added strength. Because of the size of the framework, the Kongskilde Model 9100 is the heaviest (without the use of suitcase weights) vertical tillage machine in the industry, thus assuring the desired penetration even in the heaviest of soils and residue. All tubes are capped for a finished look.



Adjustable Gang Angle



Soil Razor blade



15' model



Spiral Rollers



Tandem Wheels



Framework



Specifications

Working Widths	15', 25' & 32'
Main Frame	6" x 6" (150 mm x 150 mm) – ½" (12.5 mm) wall thickness.
Cross Members	6" x 4" (150 mm x 100 mm) – ½" (12.5 mm) wall thickness. Cross members are threaded through front to back tubes for added strength. All tubes are capped for finished look.
Transport Width	15' Unit – 16' 5" w/rollers - 25' Unit – 17' 6" w/rollers - 32' Unit - 17' 6" (5.18 m)
Transport Height	15' Unit - N/A 25' Unit - 11' 0" (3.35 m) 32' Unit - 14' (4.27 m)
Weight	15' - Approx 12,000 lbs (5500 kg) 25' - Approx 18,400 lbs (8346 kg) 32' - Approx 21,000 lbs (9525 kg)
Tires & Wheels	Walking Tandems on Mainframe andWings - 12 x 16.5 12 ply tires w/8-bolt rims onmainframe - 11L x 15 12 ply tires w/6-bolt rims on wings
Gangs	Adjustable gang angles of 0, 4, 8, 12, & 16 degrees SoilRazor VT Saw Tooth design low-concavity disk blades 8" (200 mm) blade spacing
Spiral Roller	14" (336 mm) diameter spiral for leveling and firming. Separate roller for each section of the unit. Adjustable spring pressure mounting arms. Heavy duty flange type greaseable bearings. Roller can be pinned for fall fillage.
Hydraulic System	Rephase lift system. Single point hydraulic system adjustment Designed to keep maximum pressure below 2000 psi.



The Kongskilde Stonebear is specially designed for the removal and collection of stones from cultivated land in one operation.

Removing stones the easy way

The Kongskilde Stonebear is specially designed for the removal and collection of stones from cultivated land in one operation. It can also be used in the construction industry to clean sites, golf courses, sport fields, turf sod operations etc.

The Stonebear is designed to collect stones from approx. 28 mm (1") to 30 cm (12"). A working width of 4m (13.1') or 5.2m (17') provides for a one-man operation, with greater capacity and efficiency.

The Stonebear is equipped with wide low-pressure tires, to reduce compaction and tracks in the field.

This wide, low-pressure tire design allows the Stonebear to be used effectively before drilling and planting operations.

Rake and Collect in one operation

Utilizing adjustable depth control wheels, the Stonebear rakes are designed to follow the contours of uneven fields. The rakes rotate in the opposite direction to forward travel. The heavy duty spikes, made of high tensile steel in a spiral arrangement, draw the stones to the center of the machine onto the sieve.

The depth of the sieve is controlled hydraulically through an articulating drawbar. The stones are sieved by tines in a rotor over the exchangeable

sieve. The tines then throw the stones into the hopper. Extra soil and smaller stones go through the sieve and back onto the ground.

When the storage hopper is full. A unique hydraulic dumping system allows easy discharge directly into a dump trailer, truck or pile in the corner of the field.

Quality and Durability

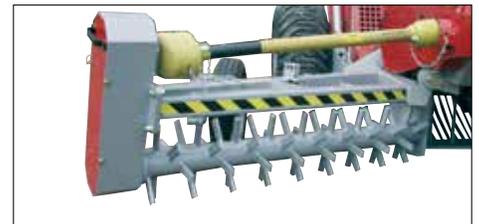
The Kongskilde Stonebear is a solid structure of high quality material, designed for a long working life.

The power transmission consists of V-belts to protect against overload and absorb shock forces when the drum or rakes engage a large stone.

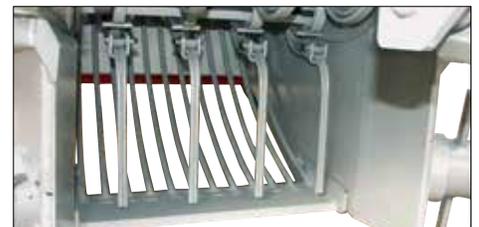
The heavy duty vibrant Kongskilde tines, engage the drum sieve and throw stones into the hopper. The unique Kongskilde tine is made from convex steel, with a specially developed shape for optimal strength. A helperspring supports the tine to assist movement of large stones from the collecting drum.



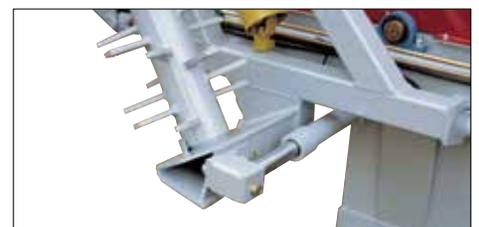
The depth is controlled by an articulating drawbar.



The Stone rake collects the stones to the drum.



The collecting drum of SB4000 has a rotor with 18 and SB5200 24 Kongskilde tines.



Separate hydraulic folding cylinders are standard equipment.



The hopper design on the Stonebear is with a 1.8 cu. m capacity. The hopper has small holes in front to indicate the level and inform the operator for emptying.

Transport

The stone-rakes on the Stonebear are raised either mechanically or hydraulically in one smooth operation by single acting hydraulic cylinders. Upon completion to the folded position, with lock pins in place, a narrow transport width of 2.6m (8.5') is achieved for convenient and safe road transportation. The Stonebear tows smoothly at rated tractor road speeds.

Tractor requirements

Unlike many conventional stone picking machines, the Stonebear operates with a low tractor power requirement; SB 4000: 55 kW (72 hp) and SB 5200: 60kW (80 hp). An operation speed of 350 rpm is recommended for proper field operation. Minimum hydraulic requirements are two single acting outlets. Tractors equipped with two pairs of outlets provide for the convenience of dumping and folding rakes.

Large Hopper

The new hopper design on the Stonebear is 20% larger with a 1.8 cu. m (64 cu. Ft. = 2.4 cu Yds) capacity. The hopper has small holes in front to indicate the level and inform the Operator for emptying. The inside rear section is covered with a heavy-duty replaceable mat for protection and sound reduction.

The hopper pivots on replaceable bushings on a heavy shaft across the full width of the tank. Smooth, convenient tipping is achieved at a height of 2.3 m (7.7').

Versatile Machine

The Stonebear can be used for many applications. Most popular for agricultural use, to save labor, machine operations and protection against damage to harvesting machinery. The Stonebear is also popular in construction and recreational applications for collection of stones, trash, small roots etc. It is often used for turf sod, golf course, sports arenas and road preparations.

Best results are achieved when the soil is dry and cultivated. The Kongskilde Stonebear as a oneman operation, pays its investment. Stones can also be sold for roadside protection and landscaping. A V-belt pulley powers the stone rakes.



The hopper has a tipping height of 2.3 metre.



Adjustable double wheels control the depth of the SB 5200 stone rakes.



The rotor is powered by a reversing gearbox and a straight V-belt pulley.



A V-belt pulley powers the stone rakes.

