

K KONGSKILDE *VIBRO TILL 2900*



Proper germination starts with the best seedbed

Kongskilde understands optimum germination starts with the best seedbed. Since entering the soil preparation business, Kongskilde has concentrated its efforts in developing equipment that produces a seedbed of the highest quality. Research began with the soil structure and sought the best method to improve it.

Kongskilde's reputation as an industry leader in providing a quality seedbed was a direct result of the development and refinement of the various types of S-tines and field preparation equipment. Drawing upon past experience and success in rendering quality seedbeds for optimum seed germination, Kongskilde has developed a new series of field cultivator, the VT2900, to maximize the full potential of a high quality seedbed.

The agent of change

VT2900 is based on the continual refinement of S-tine technology by Kongskilde. The S-tine consists of 3 pieces: the coil, the stem and the share. Depending on its dimensions and hardening of the slightly oval coil, the movement of the tine may be large or small and slow or aggressive. Furthermore, the dimension of the coil ensures the powerful forward, backward and sideways motion of the tine. With this type of circular motion, the finer soil required for a good seedbed will be covered by the coarser soil, thus limiting the potential crusting resulting from a heavy rain.

In addition, as the S-tine enters the soil, its aggressive circular action begins the shattering the hardened soil creating a loose and mellow soil



for superior seedbed. The integrity of the components of each tine ensures the entire area is treated evenly in depth and width, and that the field is not left with heavy tine tracks. Since it has the most holding power in the industry, the Kongskilde S-tine can go in the hardest clay soil to the lightest sandy soil. It exceeds the holding power of all C-shanks on the market today!

A full series of Kongskilde S-tines have been developed for various applications.

Kongskilde VTM tines

The Heavy – Duty Conser-tine (VTM) is a one-piece S-tine with 20" (50 cm) of under clearance height and is at its best in the grain and bean field. It will mix the residue into the soil making a seedbed worthy of your seeds.

Kongskilde VTH tines

High yield of corn fields are the responsibility of the 24" (60 cm) under clearance 2-piece VTH tine (13 mm x 65mm coil). Its extra 4" (10 cm) of height will break up the corn stocks while

shattering lumps and making a fine, loose seedbed. For even harder soils, a HD VTH with a thicker (16 mm X 65 mm) coil is available.

Kongskilde VFM tines

For extreme case hard soil, the VFM S-tine is the ultimate weapon for breaking hard soil and transforming it into a proper high quality seedbed. With its 6" (15 cm) width coil, the holding power of the 27" (67.5 cm) under clearance 2-piece VFM tine exceeds all cultivator tines and shanks in the market today.

Structure of VT2900

In order to maximize high residue clearance, the S-tines are mounted on a 2 1/2" x 2 1/2" (7 cm x 7 cm) toolbar that extends through the cultivator's deep 6 bar frame construction. Furthermore, the frame is reinforced by 4"x 6" (10 cm x 15 cm) cross members. By using a 6 row tine pattern, the high residue of today's crops can easily flow through the cultivator leaving the residue mixed in the soil with no excessive tine furrows.



Kongskilde VTM tine.



Kongskilde VTH tine.



Kongskilde VFM tine.



Kongskilde VT2900 tine pattern.

Special features

In combination with central placement of the new heavy duty walking tandems, a high capacity hydraulic system, a single point hydraulic control (optional on single fold cultivators) as well as supporting wheels in the wing frames, the S-tines are ensured depth and seedbed

uniformity. 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 with that range.



Single point hydraulic control.



Tandem wheels.



Front gauge wheels.



High capacity hydraulic system.

VT2900 SF Series



The VT 2900 Cultivators Series offers various sizes and options for the different applications and horsepower requirements.

The single fold VT2900 series consists of 7 models working widths between 16'8" (5.1 m) to 33'2" (10.1 m) and horsepower requirements between 100 to 270 hp (57 to 198 kW). The narrow main frame option of the VT2903 equipped with Conser-tines provides a transport width of 12'0" (3.6 m) and is a popular choice where transport

width is an issue. Furthermore, with the exception of the 2903-50 (16'8" - 5.1 m) – crank gauge wheel option, the VT2900 Single Fold series are equipped with hydraulically control walking tandem wheels in the wing section in addition to the main frame for better depth control.

Technical Information

Model	2903-50	2903-60	2903-70	2903-80	2904-70	2904-80	2904-90	2904-100
Working width ft/m	16'8" / 5.1	20'0" / 6.1	23'4" / 7.1	26'8" / 8.1	23'4" / 7.1	26'8" / 8.1	29'10" / 9.1	33'2" / 10.1
Transport width ft/m	12'0" / 3.6	12'0" / 3.6	12'0" / 3.6	12'0" / 3.6	15'4" / 4.7	15'4" / 4.7	15'4" / 4.7	15'4" / 4.7
Transport height ft/m*	7'5" / 2.3	9'1" / 2.8	10'9" / 3.3	12'6" / 3.8	9'1" / 2.8	10'9" / 3.3	12'6" / 3.8	13'10" / 4.2
Number of S-tines								
4" (10 cm) spacing	51	61	71	81	71	81	91	101
6" (15 cm) spacing	33	39	47	53	47	53	59	65
Wheels								
Center frame	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15
Wings	2 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15
Gauge wheels	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Weight lbs/kg								
- VT2900SF, 4"(10 cm) spacing	4950 / 2250	5720 / 2600	6490 / 2950	7260 / 3300	6490 / 2950	7260 / 3300	8030 / 3650	8800 / 4000
- 300 series Double Harrow	1140 / 655	1600 / 727	1995 / 907	2160 / 982	1995 / 907	2160 / 982	2420 / 1100	2680 / 1218
- 300 series Combi Harrow	1610 / 732	1810 / 823	2165 / 984	2435 / 1107	2165 / 984	2435 / 1107	2550 / 1159	2665 / 1211
- 5 bar Spike-flex	986 / 448	1101 / 500	1181 / 537	1524 / 693	1181 / 537	1524 / 693	1584 / 720	1678 / 763
hp (kW) requirement** with VTM and VTH tines on 4" (10 cm) spacing	100-120 (74-88)	120-145 (88-107)	145-170 (107-125)	170-190 (125-140)	140-170 (103-125)	170-190 (125-140)	190-210 (140-154)	210-230 (154-169)

* All transport height do not include harrow overlap.

** Suggested hp/kW requirements are based on average conditions. Actual requirements depend on working speed and soil condition

VT2900 DF Series



VT2900 DF Series cultivator

For tractors from 230 to 360 hp (169 to 265 kW), the double fold VT2900 DF series offers 5 models with sizes ranging from 36'5" (11.1 m) to 49'7" (15.1 m). The largest unit of the series, the VT2904-150 at 49'7" (15.1 m), has

a transport width of 15'10" (4.8 m) and transport height is 14' (4.3 m). These transport dimensions provide a very compact unit when travelling and storing.

Technical Information

Model	2904-110	2904-120	2904-130	2904-140	2904-150
Working width ft/m	36'5" / 11.1	39'8" / 12.1	43'0" / 13.1	46'3" / 14.1	49'7" / 15.1
Transport width ft/m	15'10" / 4.8	15'10" / 4.8	15'10" / 4.8	15'10" / 4.8	15'10" / 4.8
Transport height ft/m*	10'11" / 3.3	12'6" / 3.8	12'6" / 3.8	14'0" / 4.3	14'0" / 4.3
Number of S-tines					
4" (10 cm) spacing	111	121	131	141	151
6" (15 cm) spacing	70	76	84	90	96
Wheels					
Center frame	4 - 12.5x16.5	4 - 12.5x16.5	4 - 12.5x16.5	4 - 12.5x16.5	4 - 12.5x16.5
Wings	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15
Gauge wheels	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15
Weight lbs/kg					
- VT2900DT, 4"(10 cm) spacing	12500 / 5682	13300 / 6045	14200 / 6455	15000 / 6818	15800 / 7182
- 300 series Double Harrow	2800 / 1273	2930 / 1332	3060 / 1391	3200 / 1455	3300 / 1500
- 300 series Combi Harrow	2980 / 1355	3280 / 1491	3580 / 1627	3880 / 1764	4180 / 1900
- 5 bar Spike-flex	1830 / 832	1980 / 900	2130 / 968	2280 / 1036	2430 / 1105
hp (kW) requirement** with VTM and VTH tines on 4" (10 cm) spacing	230-280 (169-206)	250-300 (183-220)	270-320 (198-235)	290-340 (213-250)	310-360 (228-265)

* All transport height do not include harrow overlap.

** Suggested hp/kW requirements are based on average conditions. Actual requirements depend on working speed and soil condition

VT2900 RT Series



VT2900 RT Series cultivator

Kongskilde also offers a special series of cultivators with cushion disc gangs called Res-till or the VT2900 RT. Straight 20" (50 cm) blades on the disc gangs cut the residue before it reaches the 6 rows tines frame, where it is aggressively mixed with the soil to offer a high quality seedbed. The depth of the disc gang is control by the optional mechanical/

hydraulic disc adjuster kit. The Res-till series is offered in a heavy-duty single fold with all of the features of the VT2900 Single Fold series such as the heavy-duty walking tandems, the standard single hydraulic point depth control and the high capacity hydraulic system.

Technical Information

Model	2903-50	2903-60	2903-70	2904-70	2904-80	2904-90	2904-100
Working width ft/m	16'8" / 5.1	20'0" / 6.1	23'4" / 7.1	23'4" / 7.1	26'8" / 8.1	29'10" / 9.1	33'2" / 10.1
Transport width ft/m	12'0" / 3.6	12'0" / 3.6	12'0" / 3.6	15'4" / 4.7	15'4" / 4.7	15'4" / 4.7	15'4" / 4.7
Transport height ft/m*	7'5" / 2.3	9'1" / 2.8	10'9" / 3.3	9'1" / 2.8	10'9" / 3.3	12'6" / 3.8	13'10" / 4.2
Number of S-tines							
4" (10 cm) spacing	51	61	71	71	81	91	101
6" (15 cm) spacing	33	39	47	47	53	59	65
Wheels							
Center frame	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15
Wings	2 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15	4 - 9.5x15
Weight lbs/kg							
- VT2900RT, 4"(10 cm) spacing	6530 / 2968	7450 / 3386	8720 / 3964	9150 / 4159	9950 / 4523	10950 / 4977	11850 / 5386
- 300 series Double Harrow	1440 / 655	1600 / 727	1995 / 907	1995 / 907	2160 / 982	2420 / 1100	2680 / 1218
- 300 series Combi Harrow	1610 / 732	1810 / 823	2165 / 984	2165 / 984	2435 / 1107	2550 / 1159	2665 / 1211
- 5 bar Spike-flex	986 / 448	1101 / 500	1181 / 537	1181 / 537	1524 / 693	1584 / 720	1678 / 763
hp (kW) requirement** with VTM and VTH tines on 4" (10 cm) spacing	120-145 (88-107)	145-170 (107-125)	170-190 (125-140)	170-190 (125-140)	190-210 (140-154)	210-230 (154-169)	230-250 (169-184)

* All transport height do not include harrow overlap.

** Suggested hp/kW requirements are based on average conditions. Actual requirements depend on working speed and soil condition

The Finishing Touch

To ensure a seedbed of the highest quality, Kongskilde has developed a series of five (5) soil leveling and finishing attachments for various soil types. The attachments consist of S-rollers, spike flex bars or in combination.

The S-rollers are made with durable spiral bars that have a high degree of "twist". The twist ensures the reduction of lumps and a greater inversion of the soil in a more homogeneous blend. Therefore, when planted, the seed will be located in the finer soil while being protected by coarser soil particles on the surface.

Furthermore, the attachments are split into narrow sections to work independently and follow the soil surface

with a greater degree of accuracy. Each S-roller is uniformly supported with spring loaded arms to ensure equal pressure on all sections. Double S-rollers are also mounted independently to ensure the small irregularities of one roller will not disturb the work of the other. All S-rollers are equipped with heavy-duty bearings for long working life.

The spike flex bar option ensures equal mixing of the soil and residue while providing a level surface. The spikes are heat-treated for a durable long life.



Heavy Duty Double Spiral Roller Harrow.



Heavy Duty Double Spiral Roller Harrow w/ Single Spike Bar.



3 Spike Bar Unit with Single Row of Rolling Harrow.



Heavy Duty Double Spiral Roller Harrow in action.

Through years of study and experimentation, Kongskilde has developed an integrated system of options to make the finest seedbed cultivator on the market, the VT2900. From the S-tines to the leveling attachment, the VT2900

offers the possibilities and potential of creating a seedbed of the highest quality, which in turn, offers the best possibility of financial returns each and every growing season.

Options

Feature	VT2900 SF	VT2900 RT	VT2900 DF
Deep 133" (3.4 m) 6-bar modular frame	●		
Deep 139" (3.5 m) 6-bar modular frame		●	●
2 1/2" x 2 1/2" (7 cm x 7 cm) toolbar extended throughout the frame	●	●	●
4" x 6" (10 cm x 15 cm) cross members	●	●	●
High capacity master-slave hydraulic system	●	●	●
Single point hydraulic depth control	○	●	●
Self leveling hitch	●	●	●
5000 lbs 2" x 4" (5 cm x 10 cm) center frame tandem wheel hub	●	●*	
8000 lbs 2" x 4" (5 cm x 10 cm) center frame tandem wheel hub		●**	●
Gauge wheel (9.5 x 15)	○		●
5000 lbs (2273 kg) drop-leg tongue jack	●	●	●
Cushioned disc gang with 20" (50 cm) straight blades		●	
SMV sign and safety chains	●	●	●
VTM tines	○	○	○
VTH tines	○	○	○
VFM tines	○	○	○
Shares	○	○	○
300 Series Heavy Duty Double Spiral Roller Harrow leveling attachments	○	○	○
300 Series Combi Single Spiral Roller Harrow with spike flex bar leveling attachments	○	○	○
301 Series Heavy Duty Double Spiral Roller Harrow with spike flex bar leveling attachments	○	○	○
5 spike-flex bar leveling attachments	○	○	○
3 spike-flex bar levelling attachments	○	○	○

● Standard Equipment

○ Optional Equipment

* Standard on VT2903 RT

** Standard on VT2904 RT



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