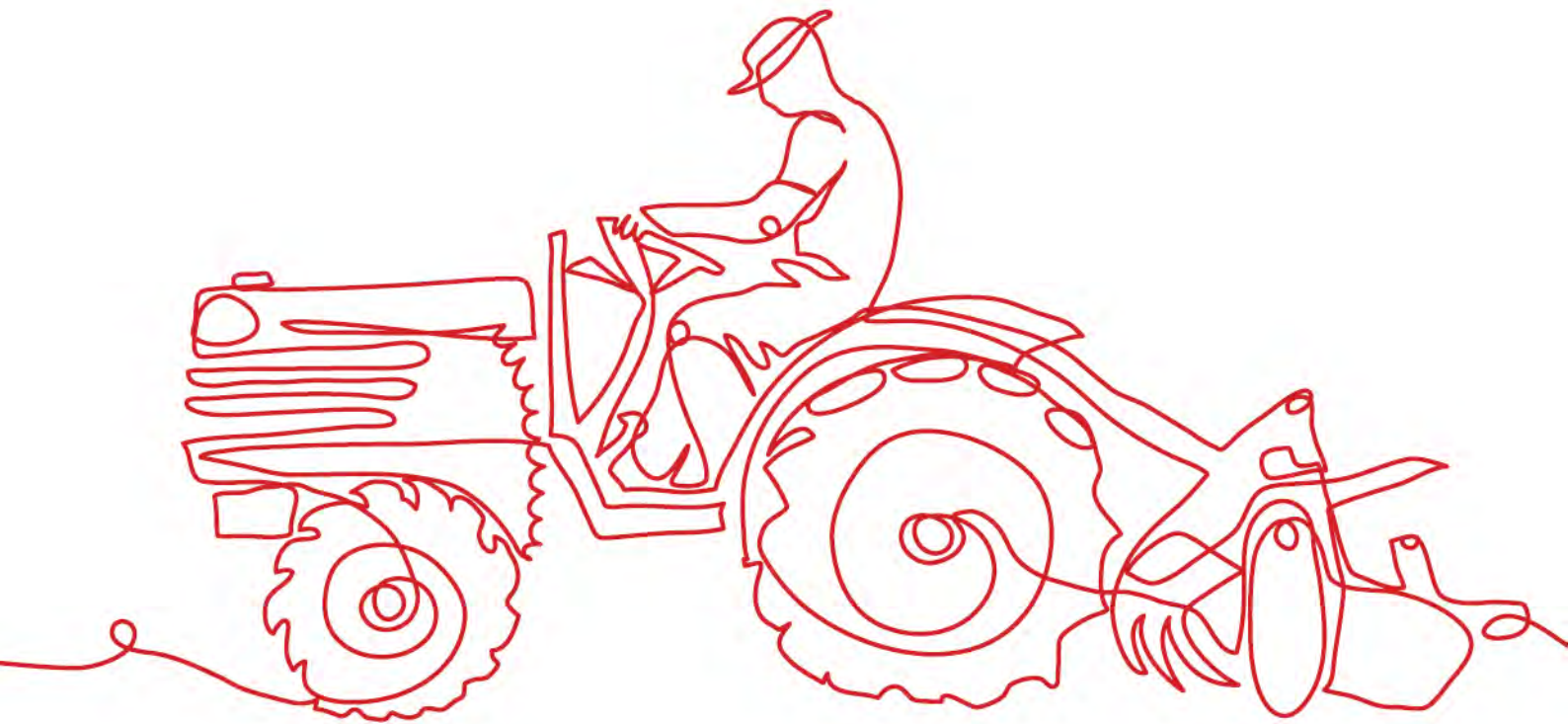
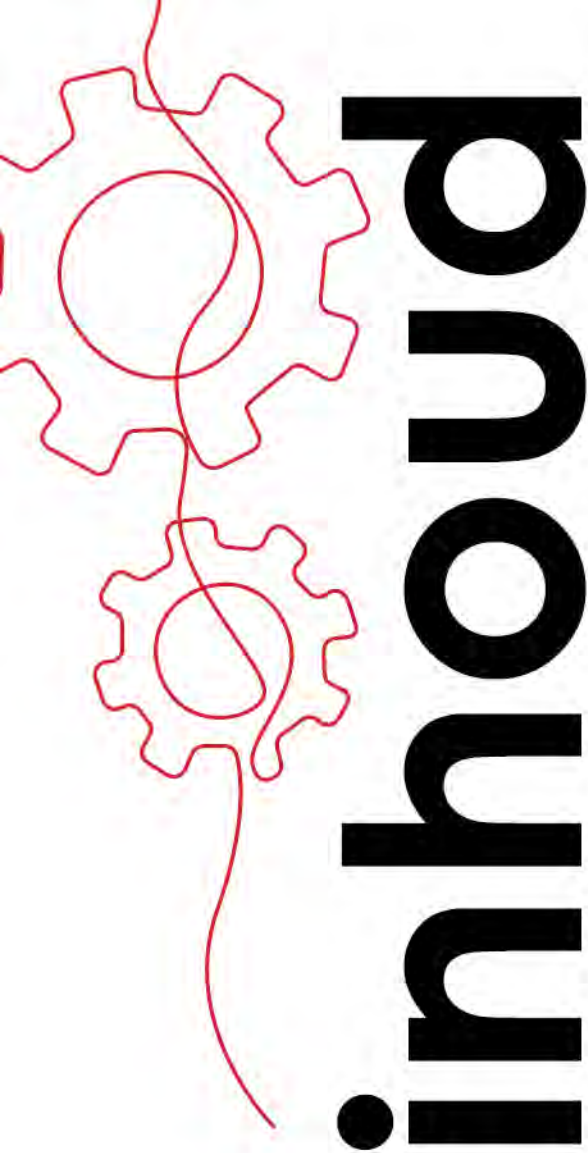


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**bemarker**  
INLIGTING

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# GEOGRAFIESE teenwoordigheid

Limpopo



Hoofkantoor | President CR Swartstraat 31, REITZ, 9810 | Tel. 087 358 8111 | [vkb@vkb.co.za](mailto:vkb@vkb.co.za)  
VKB Landbou (Edms.) Bpk. is 'n Gemagtigde Kredietverskaffer NCRCP 7984

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Agri Farmer 30.7




Mini Agri 37.7



Agri Star 37.7



Samson 45.8

				
	Mini Agri 25.6	Agri Farmer 30.7	Agri Star 37.7	Samson 45.8
Max. Lifting Capacity	2500 kg	3000 kg	3700 kg	4500 kg
Max. Lifting Height	5.78 m	6.35 m	7.35 m	7.90 m
Max. Forward Reach	3.25 m	3.65 m	4.00 m	4.45 m
Engine Brand	Kubota	Kubota	FPT	FPT
Engine Power	55.4 kW	73.4 kW	93 kW	93 kW
Axles	DANA Spicer	DANA Spicer	DANA Spicer	DANA Spicer
Transmission Brand	BOSCH Rexroth	BOSCH Rexroth	BOSCH Rexroth	BOSCH Rexroth
Transmission Type	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
Max. Speed	30 km/h	35 km/h	30 km/h	30 km/h
Length w/o Forks	4125 mm	4765 mm	4950 mm	4940 mm
Width	1850 mm	2000 mm	2290 mm	2310 mm
Cabin Height	1950 mm	2220 m	2310 mm	2460 mm
Weight	4900 kg	6100 kg	7700 kg	8800 kg
Warranty	12 Months / Unlimited Hours	12 Months / Unlimited Hours	12 Months / Unlimited Hours	12 Months / Unlimited Hours
Country of Origin	Italy	Italy	Italy	Italy



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## Model:

## DIAMOND 18 Twin Auger

### Standard Features:

Twin Auger/ 21 rpm @ 540 rpm tractor PTO Speed.  
Heavy Duty Planetary Gearbox 25,89 : 1 ratio  
3CR12 Stainless Steel Liners inside the bin.  
Dinamica Generale DG400 Standard Scale + 4 load cells.  
PTO Drive shaft, A8.  
Anti-Overflow ring.  
385/80 R22.5 Tyres + 127mm Round Axle, 10 Stud.

### Optional Extras:

Dinamica Generale DG500/DG600 Smart Scale.  
75Kw Variable Speed Drive [Stationary].  
75Kw electric 4 pole/ inline reduction pulley drive [Stationary].  
Power pack operating Conveyor & Door (60L with 4Kw Motor) [Stationary].  
Conveyor length 5 Meter OR 8 Meter (Hydraulic or Electric) [Stationary].  
Magnet on discharge conveyor.

### Specifications:

Cubic meter.	18m3
Weight Empty	7700kg
Maximum Load (Dependant on the density of the ration)	8000kg
Recommended Tractor Size with Hydraulics:	90kW

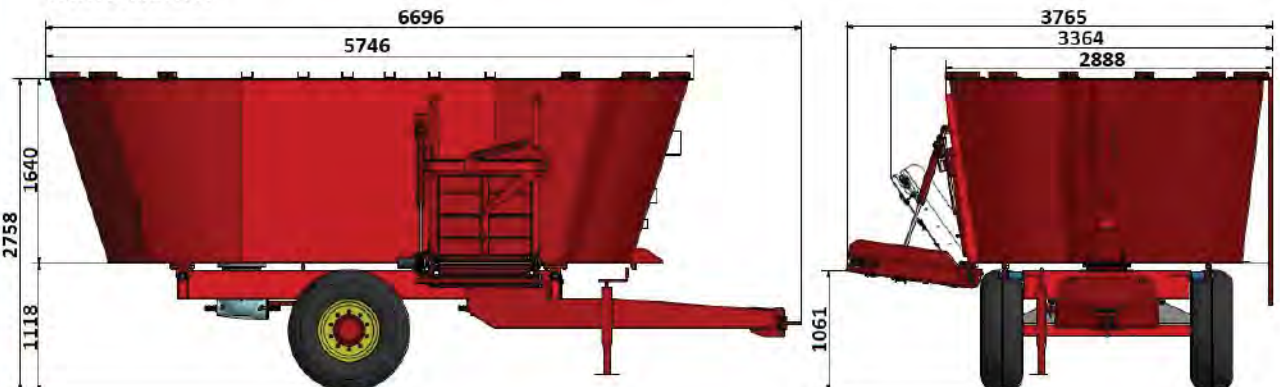
### Material:

Side wall thickness (6mm Mild Steel + 1.6mm Stainless Steel )	7.6mm
Floor thickness	20mm

### Auger:

Cutting Blades (13 per auger)	26
Round Serrated Ninja Blades (5 per auger)	10
Pickup Width	940mm
Flight thickness Middle & Top Flight + S/Steel Roundbar.	12mm
Flight thickness Bottom Flight + S/Steel Rounbar.	16mm

### Dimensions:





#### SECTOR 750 UTILITY VEHICLE

- ELECTRONIC FUEL INJECTION
- LIQUID COOLING
- AUTOMATIC TRANSMISSION
- CVT CLUTCH
- 4-WHEEL INDEPENDENT SUSPENSION
- CARGO DUMP BED
- HIGH / LOW BEAM HEADLIGHTS
- 4-WHEEL DRIVE
- LOCKING DIFFERENTIAL
- NITROGEN ASSISTED SHOCKS



#### FD35RT 4WD FORKLIFT

- SWITCHABLE 4WD / 2WD ROUGH
- TERRAIN FORKLIFT
- 3M DUPLEX MAST WITH SIDE SHIFT
- 1220 MM FORKS
- POWERSHIFT, HYDRAULIC TRANSMISSION



#### VX 930 WHEEL LOADER 3 TON

- HYDRAULIC QUICK HITCH
- STANDARD BUCKET
- 92 kW DEUTZ ENGINE
- 35 KM/H TRAVEL SPEED
- PALLET FORK STANDARD
- NEW ERGONOMIC CAB
- 4x4 AUTOMATIC WITH
- TORQUE CONVERTER



#### VX 920 WHEEL LOADER 2 TON

- ELECTRONIC FUEL INJECTION
- LIQUID COOLING
- AUTOMATIC TRANSMISSION
- CVT CLUTCH
- 4-WHEEL INDEPENDENT SUSPENSION
- CARGO DUMP BED
- HIGH / LOW BEAM HEADLIGHTS
- 4-WHEEL DRIVE
- LOCKING DIFFERENTIAL
- NITROGEN ASSISTED SHOCKS



#### DUAL TRANSFER & FERTILIZER TRAILER

- INCREASED HEADER CAPACITY
- INCREASED HARVEST EFFICIENCY
- ABLE TO HARVEST IN WETTER CONDITIONS
- THE AUGER IS DRIVEN BY A HEAVY-DUTY GEARBOX
- A PRODUCT THAT IS BUILT TO LAST
- CAPACITY SIZES RANGE FROM 18 TO 24 TON





#### VX 912 WHEEL LOADER 1.2 TON

- HYDRAULIC QUICK HITCH
- STANDARD BUCKET
- 42 kW YUNNEI ENGINE
- 35 mm ARM WIDTH
- PALLET FORK STANDARD
- NEW ERGONOMIC CAB
- 4x4 AUTOMATIC WITH TORQUE CONVERTER



#### VX 916 WHEEL LOADER 1.6 TON

- HYDRAULIC QUICK HITCH
- STANDARD BUCKET
- 65 kW YUNNEI ENGINE
- 35 mm ARM WIDTH
- PALLET FORK STANDARD
- NEW ERGONOMIC CAB
- 4x4 AUTOMATIC WITH TORQUE CONVERTER



#### DIGMAX 4x4 TLB / BACKHOE 8.4 TON

- HYDRAULIC QUICK HITCH
- STANDARD BUCKET
- POWER STEERING
- NEW ERGONOMIC CAB
- LED WORKING LIGHTS
- ADVANCED AIR CONDITIONING SYSTEM
- POOL TYPE FLOOR MAT
- AIR SUSPENSION SEAT
- MULTIFUNCTIONAL SINGLE INSTRUMENT CLUSTER PANEL



#### VX 925 WHEEL LOADER 2.5 TON

- HYDRAULIC QUICK HITCH
- STANDARD BUCKET
- 92 kW YUNNEI ENGINE
- 35 KM/H TRAVEL SPEED
- PALLET FORK STANDARD
- NEW ERGONOMIC CAB
- 4x4 AUTOMATIC WITH TORQUE CONVERTER



#### VX 950 WHEEL LOADER 5 TON

- HYDRAULIC QUICK HITCH
- STANDARD BUCKET
- 162 kW WEICHAH ENGINE
- 38 KM/H TRAVEL SPEED
- PALLET FORK STANDARD
- NEW ERGONOMIC CAB
- 4x4 AUTOMATIC WITH TORQUE CONVERTER

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JF Kanguru 270 Grain Bagger

**Bag** 9 feet  
**Capacity - Height without Hopper** 3070 mm  
**Power source** tractor PTO  
**Tractor power (hp)** 25 hp

**Transport width** 2600 mm  
**Wheels** 6.5 x 16  
**Working height** 3570 mm  
**Working scheme** 200 rmp  
**Working width** 4390 mm



**Capacity** Up to 90 ton/h\*  
**Cut sizes** 24 (2-36 mm)  
**Number of rotors** 1  
**Number of blades in each rotor** 12  
**Power source** Tractor P.T.O  
**Number of gathering drums** 4

**Recommended PTO power** 90-140 kW  
**Required PTO revolution** 540 rpm / 1000 rpm  
**Weight** 2150 kg  
**Transmission system** Cardan & gearbox



JF C240 Forage Harvester

**Capacity** Up to 60 ton/h  
**Cut sizes** 24 sizes (2-36 mm)  
**Number of rotors** 2  
**Number of rows** 2  
**Number of blades in each rotor** 12  
**Distance between rows** 700 mm to 950 mm  
**Number of rotor blades** 24  
**Power source** Tractor P.T.O

**Number of gathering drums** 8  
**Recommended PTO power** 80-100 kW  
**Required PTO revolution** 540 rpm  
**Weight** 1350 kg  
**Transmission system** Cardan & gearbox



JF Silage Master

**Petrol engine drive** Honda 3.7 / 5.0 kW  
**Tank capacity** approx. 1.8L  
**Motor rev** 3600 rpm  
**Drum speed** 300 rpm  
**Drum diameter** 300 mm  
**Timber diameter** Max. 65 mm  
**Hammers** 30 pcs.  
**Dimensions (W x H x L)** 1150 x 1500 x 1050 mm  
**Weight** approx. 102 kg  
 Productivity obtained in test conditions and can vary according to the degree of humidity of the forage, specific weight and working conditions.





Rotor Ø 520 mm  
Rotor Shaft 50 mm  
Housing Width 300 mm  
Housing Ø 710 mm  
Milling Sieve 360°  
Motor Speed 2900 rpm  
Rotor Speed 3200 rpm

kW Required 11–22 kW  
Effective Screen area 3760 cm<sup>2</sup>  
Weight with motor 380 kg  
Weight without motor 267 kg



Power requirement 45–70 kW  
PTO speed 540 rpm  
Cutting flails 36  
Flail rotor speed 1655 rpm  
Flywheel diameter 810 mm

Flywheel speed 1258 rpm  
No of drive belts 3  
No of cutting blades 6  
Cutting Bed width 1.6 m  
Cutting Speed 8–10 km/h



Cob Yes  
Green fodder Yes  
Maize grain Yes  
Number of blades 2  
Number of moving hammers 6  
Required electric motor power 2 to 3 hp  
The motors, cyclones, sieves and engines are optional and sold separately. Productivity may vary and depends on factors such as: tractor, motor or engine power, labour availability, type and quality of forage. The grain size/productivity are directly linked to the grain moisture content.



DEL: DR 420 4R  
RAKING WIDTH UP TO: 370/420 cm  
TEDDING WIDTH UP TO: 340/360 cm  
WEIGHT: 500 kg  
NO ARMS 12 + 6  
NO TEETH 24 + 18



Volume 2 m<sup>3</sup>  
Number of spirals 1  
Number of blades 7  
Unloading from right side std.

Weight 400 kg  
Power required 30 hp  
Hydraulic pressure Tractor  
Thickness of spiral 8 mm



Power source  
Height  
Lead capacity  
Length  
Width  
Working width (range)  
Required power at PTO  
Required revolution at PTO  
Weight  
Capacidade de levante do tractor

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## FARM TRAILER DOUBLE AXLE



## FARM TRAILER SINGLE AXLE



## DICLA SLASHER



## TIPPER TRAILER DOUBLE AXLE



### FEATURES

Slashers are manufactured locally to the highest quality standards. A reinforced steel deck with side profiles adds rigidity and strength throughout the construction of the body and also ensures a longer life span while encouraging more versatility in operation.

The floating hitch allows the slasher to cut evenly and constantly over uneven terrain.

The adjustable side skids with pre-set holes allows the machine to be set at an optimum cutting height quickly and easily and assists with the cutting and operational depth of the machine.

Robust rear protection doors prevent dangerous objects from exiting the safety zone and causing injury to bystanders. They are adjustable and can be opened to allow material to exit the work zone faster or closed to continue mulching.

Replaceable wear skids protect the main skid from wearing - they are easily replaced and are split into 2 pieces, making the wear skids more cost effective.

Universal hitch pins make it easy to swap tractors with different hitch categories, accommodating Category I and II hitches.

Imported European gearboxes are carefully paired with the cutting system ensuring the correct ratios and balance of input torque and power versus the output torque and power.

The dynamic new spinner plate design is more robust than a conventional spinner plate system and also reduces drag.

All Slashers can be converted to Haymakers with an attachment that is compatible with all 3 models.



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## BOOM SPRAYER



On demand, balance springs on both sides of the boom, not only keep the balance of the sprayer boom but are also working as a marker.

There is a filling system that fills into the spraying tank by taking water from a dam or any source with the suction hose.

## AGROMASTER CHISEL PLOUGH



### FEATURES

Manufactured with extremely durable material.

Replaceable chisel points (in stock).

Chisels are used to break the hard bottom layer of soil which forms by repeated ploughing and processing of soil without tilling or airing.

In case of sudden pressure, safety pins come into action and prevent tractor and chassis from damage.

## HYDRAULIC DISC HARROW



### FEATURES

Used in open fields for superficial ploughing, breaking of clods, preparation of soil for sowing and for burial of organic crop residue.

It is designed to work in extreme conditions.

Effectively breaks up heavy clods because of sturdy design and weight.

High quality Boron discs.

Bearing Spools for better lubrication and less load on tractor.

Easily transportable as it can be mounted on the tyres using hydraulic system.

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# FIELDKING

## FIELDKING DISC PLOUGH



### FEATURES

The Disc Plough can handle the toughest ploughing conditions. For extremely hard ground and soil with large roots and other obstructions, one can obtain outstanding penetration performance. For soft sticky ground and sandy soil, depth can be controlled through the built-in depth control. The under frame and unit-to-unit clearances are adequate to cope with trashy conditions. Perfect alignment of the sub-beams carrying the Disc bottoms are maintained by virtue of the frame construction. An adjustable and spring-loaded furrow wheel takes care of the side draft and the implement moves smoothly. Disc tilt angle can be varied in three stages to perform on various types of soils.

## DISC RIDGER



### FEATURES

- It has a heavy duty box type frame.
- High quality steel discs.
- Size and depth of the ridge can be adjusted.

Disc Ridger consists of heavy duty tubular box frame, hitch system and discs. It is used for making irrigation banks of up to 500 - 600 mm height and 600 - 800 mm width for effective control of flood irrigation or ridges of the size and shape to match crop and soil conditions. The Discs are adjustable along the frame to vary ridge width and height. Disc angle is also adjustable.

## HEAVY DUTY RIPPER



### FEATURES

The HD Rippers are deep tillage implements specially designed for breaking up hard pan layers and loosening the subsoil allowing better drainage, root growth and mineral osmosis.

It can be safely used for heavy duty applications, as the shear bolt arrangement protects the implement from getting damaged due to hidden obstacles like underground stones & roots.

It increases soil turnover by reaching deeper organic matter layers.

High quality wear-resistant steel used for the shovel, which gives it a long life in the toughest conditions.

The heavy duty pointed chisel shatters the soil well below the surface, thus increasing the water holding capacity.

Specially designed tyne is capable of penetrating up to 700mm deep. Tyne edge to reduce wear & tear of tyne.

Also available with roller.



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# BOK.I

## IR076-reeks Inlyn Skeurploëë

Tand Implemente vir minimum bewerking.  
Vaste Raam Implement



Model	IR476	IR576	IR676	IR776	IR876	IR976
Werks Wydte	3.040 m	3.800 m	4.560 m	5.300 m	6.080 m	6.840 m
Tandspasieëring	762 mm	762 mm	762 mm	762 mm	762 mm	762 mm
Onderbalkhoogte	750 mm	750 mm	750 mm	750 mm	750 mm	750 mm
Aantal Tande	4	5	6	7	8	9
Werkdiepte	400 mm	400 mm	400 mm	400 mm	400 mm	400 mm
Coultergrootte	∅535 mm	∅535 mm	∅535 mm	∅535 mm	∅535 mm	∅535 mm
Gewig	1275kg	1450kg	1830kg	1980kg	2430kg	2690kg
Trekkergröote	110-120 kW	135-150 kW	165-180 kW	185-210 kW	220-240 kW	250-270 kW
Werkspoed	5-8 Km/h	5-8 Km/h	5-8 Km/h	5-8 Km/h	5-8 Km/h	5-8 km/h
Driepunt	KAT III	KAT III	KAT III	KAT III	KAT III/IVn	KAT III/IVn



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# BOK.I

## KD20/300-reeks

Hoë Spoed Kompakte Skottel Eg.  
Vaste Raam Implement



Model	KD20/200	KD20/250	KD20/300
Werkswydte	2.000 m	2.500 m	3.000 m
Skottelspasiëëring	125 mm	125 mm	125 mm
Skottelgrootte	∅535 mm	∅535 mm	∅535 mm
Hoeveelheid Skottels	16	20	24
Swaardiensroller	∅510 mm	∅510 mm	∅510 mm
Gewig (Enkel Roller)	1150 Kg	1300 Kg	1550 Kg
Trekkergrootte	60 kW	70 kW	80 kW
Driepunt	KAT II	KAT II	KAT II



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# BOK.I

## KD20/400-reeks

Hoë Spoed Kompakte Skottel Eg.  
Vaste Raam Implement



Model	KD20/350	KD20/400	KD20/450	KD20/500
Werkswydte	3.500 m	4.000 m	4.500 m	5.000 m
Skottelspasiëëring	125 mm	125 mm	125 mm	125 mm
Skottelgrootte	ø535 mm	ø535 mm	ø535 mm	ø535 mm
Hoeveelheid Skottels	28	32	36	40
Swaardiensroller	ø510 mm	ø510 mm	ø510 mm	ø510 mm
Gewig (Enkel Roller)	1850 Kg	2050 Kg	2350 Kg	2550 Kg
Trekker grootte	95 kW	110 kW	125 kW	140 kW
Driepunt	KAT III	KAT III	KAT III	KAT III



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# BOK.I

## KD20/600-reeks

Hoë Speed Kompakte Skottel Eg.  
Hidroulies Opvoubaar.



Sleep



Driepunt

Model	KD20/600-3PT	KD20/600SL
Werkswydte	6.000 m	6.000 m
Skottelspasieëring	125 mm	125 mm
Skottelgrootte	ø535mm	ø535 mm
Hoeveelheid Skottels	48	48
Swaardiensroller	ø510 mm	ø510 mm
Gewig - Driepunt	3750 Kg	4750 Kg
Trekkergrootte	200 kW	185 kW
Driepunt	KAT III/IV	—



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# BOK.I

## KD20/800-reeks

Hoë Spoed Kompakte Skottel Eg.  
Hidroulies Opvoubaar.



Model	KD20/800
Werkswydte	8.000 m
Skottelspasiëëring	125 mm
Skottelgrootte	ø535 mm
Hoeveelheid Skottels	64
Swaardiensroller	ø510 mm
Gewig met enkelroller	6750 Kg
Trekker grootte	250 kW



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## TurboJet 8

Basise Mini-lugsaaikas

Saai van voer, fynsaad of deksgewas.



## TurboJet 8

3.0 m Tot 5.0 m Saaiwydte.

Monteer op enige  
werktuig

- 500 liter Plastiese tenk.
- Geseelde deksel
- 8 Uitlate



### Elektriese Sentrifigale waaier

- 5600 rpm
- 2 x Dubbele sentrifigale waaiers (4 in totaal)
- Tot en met 5.0 m werks wydte



### Elektroniese beheer.

- Aan/Af
- Veranderlike verstelling van saad roller spoed
- Aan/af sensor & saad roller sensor
- In trekker kajuit.
- 7.0 m Draad



### Ekstra ingesluit.

- Spreiplate x 8
- 25 m  $\varnothing$ 30 mm Pyp
- Kalabrasie bak.







# BOK.I

## VR076-reeks Voor Ripper

Tand Implemente vir Kombinasie bewerking.  
Met KD reeks Kompakte Skottel Eg

One Pass

2.25 m tot 3.80 m  
Werkswyde



Model	VR376	VR476	VR576
Werkswyde	2.280 m	3.040 m	3.800 m
Tandspasieëring	762 mm	762 mm	762 mm
Onderbalkhoogte	750 mm	750 mm	750 mm
Aantal Tande	3	4	5
Werkdiepte	400 mm	400 mm	400 mm
Gewig met Skottel Eg	1900 Kg	2650 Kg	2850 Kg
Trekkergroute	165 kW+	200 kW+	235 kW+
Werkspoed	8-10 Km/h	8-10 Km/h	8-10 Km/h
Driepunt	KAT III/4N	KAT III/4N	KAT III/4N
Skottel Eg Benodig	2.50 m	3.50 m	4.0 m



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# ERDVARK ENGINEERING (PTY) LTD

## TIP TRAILER - ST & TT

Ideal for removing rocks out of lands, roadbuilding, moving soil over longer distances and general farm tipper use.



Model No	Description	Load Body		Side mm	Load Body Material mm	Tyres
		Width m	Length m			
ST 3	3 Ton heavy-duty	1.80	2.50	400	6.0	10.5/65-16
ST 5	5 Ton heavy-duty	2.00	3.00	500	6.0	10.5/80-18
ST 8	8 Ton heavy-duty	2.30	3.50	600	6.0	12.0-18
STF 8	8 Ton heavy-duty	2.30	3.50	600	6.0	560/60R22.5 Flotation
STF10	10 Ton heavy-duty	2.30	4.00	600	6.0	560/60R22.5 Flotation

### Stone Trailer - ST

Manually operated support leg.  
65 mm Wheel Axle  
Floor and side made of 6 mm material.  
Run-in brakes for farms use are optional extra available.  
2-Stage Tipping Cylinder.



### Tip Trailer with Drop sides - TT

Manually operated support leg.  
65 mm Wheel Axle  
2-Stage Tipping Hydraulic Cylinder  
Removable drop sides.  
Adjustable drawbar on Standard Duty.



Model No	Description	Load Body		Side mm	Load Body Material mm	Tyres
		Width m	Length m			
TTE 3	3 Ton Economic	2.00	2.45	300	2.0	10.5/65-16
TTE 5	5 Ton Economic	2.00	3.00	400	2.0	10.5/80-18
TT 3	3 Ton Standard	2.00	2.50	300	3.0	10.5/65-16
TT 5	5 Ton Standard	2.00	3.00	400	3.0	10.5/80-18
TT 8	8 Ton Standard	2.30	3.50	500	4.0	12.0-18
TTH 3	3 Ton heavy-duty	2.00	2.50	300	4.5	10.5/65-16
TTH 5	5 Ton heavy-duty	2.00	3.00	400	4.5	10.5/80-18



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# ERDVARK ENGINEERING (PTY) LTD

## IN-LINE MINIMUM TILL RIPPER – IMTCG 820

No of Tine	Working Width T-Spacing 0.760m	Working Width T-Spacing 0.910m	Working Width T-Spacing 1.500m	Working Width T-Spacing 1.600m	Working Width T-Spacing 1.700m	Working Width T-Spacing 1.800m	Average Tractor Req. kW
4	3.04m	3.64m					80 - 120
6	4.56m	5.46m					120 - 180
8	6.08m	7.28m					160 - 240
12	9.12m	10.92m					240 - 360
2			3.00m	3.20m	3.40m	3.60m	50 - 60
4			6.00m	6.40m	6.80m	7.20m	80 - 120



The In-Line Minimum Till Ripper is available in mounted and trailed models. The Three Point Hitch attachment is suitable for CAT II, CAT III and CAT IV Narrow. Under frame clearance of 820 mm and working depth is 350mm and 450mm.

The shanks are manufactured out of solid high strength steel.

Hardwearing ripper tips with carbide tungsten tiles.

Each shank has an auto hydraulic reset with a breakaway force of 8kN.

Auto-reset is ideal for minimum till operations.

The tine reset jump height is 400mm

Tractor kW requirement per tine is 20 to 30kW depending on soil conditions.

Mounted units can be fitted with manual depth control wheels (optional extra).

Trailed unit are fitted with hydraulic depth control wheels.

A Tine with an 70mm wings is also available for more lift.

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# ERDVARK ENGINEERING (PTY) LTD

## SCRAPER TURN BLADE TBP - TRACTOR DRAWN

GPS/LASER COMPATABLE

Model No	Description	Working Width meter	Average Tractor Req. kW
TBP 3500	Finishing Grader Turn Blade 3.500m	3.5	190 - 220
TBP 4000	Finishing Grader Turn Blade 4.000m	4.0	218 - 252
TBP 4500	Finishing Grader Turn Blade 4.500m	4.5	245 - 284
TBP 5000	Finishing Grader Turn Blade 5.000m	5.0	272 - 316
TBP 5500	Finishing Grader Turn Blade 5.500m	5.5	299 - 348
TBP 6000	Finishing Grader Turn Blade 6.000m	6.0	327 - 379
TBP 6500	Finishing Grader Turn Blade 6.500m	6.5	354 - 410
TBP 7000	Finishing Grader Turn Blade 7.000m	7.0	381 - 442
TBP 7500	Finishing Grader Turn Blade 7.500m	7.5	408 - 474
TBP 8000	Finishing Grader Turn Blade 8.000m	8.0	435 - 505
TBP 9000	Finishing Grader Turn Blade 9.000m	9.0	490 - 568



Cup and Ball Hitch



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# ERDVARK ENGINEERING (PTY) LTD

## GRADER TRAILED

Erdvark Trailed Graders overcomes the toughest grading conditions.

The heavy blade case ensures that blade penetration is effective on tough surfaces.

The cutting edges of the blade can be mechanically operated from the tractor seat. The controls are easy and the driver does not have to spend hours optimizing the performance of these graders.

The grader can be set to incline without wasting time.

Cutting edges are easily replaceable.

The Erdvark Grader is ideal for maintenance and building of roads and contours.

Also ideal for making new and maintaining fire breaks.

The Erdvark is an ideal Grader for municipalities to do maintenance on dirt roads.

The Grader can also dig trenches, level irrigation fields and make airplane landing-strips.

### Models Available:

Model Description	Hyd. Pipes To Tractor	G25 - 1.0 Ton		G40 - 1.5 Ton		G50 - 2.2 Ton		Industrial Grader G57 - 2.3 Ton		G60 - 4.0 Ton		Industrial Grader G67 - 4.3 Ton	
		Work-ing Width m	Average Tractor Req. kW	Work-ing Width m	Average Tractor Req. kW	Work-ing Width m	Average Tractor Req. kW	Work-ing Width m	Average Tractor Req. kW	Work-ing Width m	Average Tractor Req. kW	Work-ing Width m	Average Tractor Req. kW
A - Standard Grader	4	2.4	20-60	3.1	30-100	3.1	50-130	3.1	50-150	3.8	80-180	3.8	80-200
B - With Control Valve	2	2.4	20-60	3.1	30-100	3.1	50-130	3.1	50-150	3.8	80-180	3.8	80-200
C - With Hydraulic Blade Turn	6	2.4	20-60	3.1	30-100	3.1	50-130	3.1	50-150	3.8	80-180	3.8	80-200
D - With Control Valve & Seat	2	2.4	20-60	3.1	30-100	3.1	50-130	3.1	50-150	3.8	80-180	3.8	80-200
E - With Control Valve, Seat & Hydraulic Blade Turn	2	2.4	20-60	3.1	30-100	3.1	50-130	3.1	50-150	3.8	80-180	3.8	80-200
F - With Control Valve, Seat, Hydr. Turn and Hydr. Steering	2	2.4	20-60	3.1	30-100	3.1	50-130	3.1	50-150	3.8	80-180	3.8	80-200
G - With Level Attachment	4	2.4	20-60	3.1	30-100	3.1	50-130	3.1	50-150	3.8	80-180	3.8	80-200
H - With Lever Attachment & Control Valve	2	2.4	20-60	3.1	30-100	3.1	50-130	3.1	50-150	3.8	80-180	3.8	80-200
J - With Hydraulic Blade turn & Control Valve	2	2.4	20-60	3.1	30-100	3.1	50-130	3.1	50-150	3.8	80-180	3.8	80-200

G60C Grader



G50A Grader



G25A Grader



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# ERDVARK ENGINEERING (PTY) LTD

## GRADER 3 POINT

The Erdvark 3 Point Grader is ideal for maintenance of farm roads fire breaks, contours and for the build of new roads. It is also used for levelling of irrigation fields and manure grading. The blade can rotate 180° for backwards pushing. Ideal for manure grading and pushing manure together.

### SPECIFICATION:

Cutting Angles: 15°, 30°, 45°, 60°, 75°, 90°, 180°  
Grader Blade is 200 mm high  
Tyres: 185R14

Model No	Description	Mass kg	Working Width Meter	Transport Width Meter	Mouldboard Height Meter	Average Tractor Req. kW
G1 A	Standard Grader	250	1.75	0.900	0.500	25 - 35
G1 B	Standard Grader with Ski-Pads	260	1.75	0.900	0.500	25 - 35
G2 A	Standard Grader	300	2.02	0.900	0.500	25 - 35
G2 B	Standard Grader with Ski-Pads	310	2.02	0.900	0.500	25 - 35
G2 C	Standard Grader with Back Wheel	350	2.02	0.900	0.500	25 - 35
G5 A	Standard Grader	330	2.40	0.900	0.500	25 - 35
G5 B	Standard Grader with Ski-Pads	340	2.40	0.900	0.500	25 - 35
G5 C	Standard Grader with Back Wheel	390	2.40	0.900	0.500	25 - 35
G15 A	Standard Grader	800	2.40	1.100	0.575	35 - 60
G15 B	Standard Grader with Back Wheel	900	2.40	1.100	0.575	35 - 60
G15 AH	Standard Grader with Hydraulic Blade Turn	850	2.40	1.100	0.575	35 - 60
G15 BH	Standard Grader with Back Wheel & Hydraulic Blade Turn	950	2.40	1.100	0.575	35 - 60

G5C



G1B



G15BH



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# ERDVARK ENGINEERING (PTY) LTD

## OFFSET DISC TRAILED 26" OR 28" - SKSN

### NORMAL DUTY 11" SPACING

Model No	Disc	Mass Per Disc Kg	Working Width m	Number of Bearing Units	Average Tractor Req. kW
SKSN 11-14	14	±110	2.03	6	45 - 56
SKSN 11-16	16	±110	2.29	6	52 - 64
SKSN 11-18	18	±110	2.56	6	58 - 72
SKSN 11-20	20	±110	2.81	6	64 - 80
SKSN 11-22	22	±110	3.07	6	70 - 88
SKSN 11-24	24	±110	3.33	8	77 - 96
SKSN 11-26	26	±110	3.59	8	83 - 104
SKSN 11-28	28	±110	3.85	10	90 - 112
SKSN 11-30	30	±110	4.11	10	96 - 120
SKSN 11-32	32	±110	4.37	10	102 - 128
SKSN 11-34	34	±110	4.63	12	109 - 136
SKSN 11-36	36	±110	4.89	12	115 - 144
SKSN 11-38	38	±110	5.15	12	120 - 150
SKSN 11-40	40	±110	5.41	12	127 - 160
SKSN 11-42	42	±110	5.67	12	133 - 168
SKSN 11-44	44	±110	5.93	14	140 - 176
SKSN 11-46	46	±110	6.18	14	147 - 185
SKSN 11-48	48	±110	6.45	16	153 - 193
SKSN 11-50	50	±110	6.71	16	150 - 201
SKSN 11-52	52	±110	6.97	16	166 - 209
SKSN 11-54	54	±110	7.23	16	173 - 217
SKSN 11-56	56	±110	7.49	16	179 - 225
SKSN 11-58	58	±110	7.75	18	185 - 232
SKSN 11-60	60	±110	8.01	18	192 - 241
SKSN 11-62	62	±110	8.27	18	198 - 249

### NORMAL DUTY 9" SPACING

Model No	Disc	Mass Per Disc Kg	Working Width m	Number of Bearing Units	Average Tractor Req. kW
SKSN 9-16	16	±110	1.75	6	42 - 52
SKSN 9-18	18	±110	1.95	6	47 - 58
SKSN 9-20	20	±110	2.10	6	52 - 64
SKSN 9-22	22	±110	2.30	6	58 - 72
SKSN 9-24	24	±110	2.50	8	64 - 80
SKSN 9-26	26	±110	2.70	8	70 - 88
SKSN 9-28	28	±110	2.90	10	77 - 96
SKSN 9-30	30	±110	3.10	10	83 - 104
SKSN 9-32	32	±110	3.30	10	85 - 105
SKSN 9-34	34	±110	3.50	12	88 - 110
SKSN 9-36	36	±110	3.70	12	95 - 115
SKSN 9-38	38	±110	3.90	12	98 - 125
SKSN 9-40	40	±110	4.10	12	102 - 130
SKSN 9-42	42	±110	4.30	12	109 - 136
SKSN 9-44	44	±110	4.60	14	115 - 144

The Erdvark Normal Duty 9" Offset Disc is ideal for cultivated lands without solid objects whereas the Erdvark Normal Duty 11" Offset Disc is ideal for all soil types.

These Disc Harrows are perfect for the preparation of seed beds, weed control, cutting of vegetable lands and stubble after harvesting.

Disc Harrows are fitted with 45 mm high tensile disc axle and 26" (660mm) or 28" (710mm) discs.

The disc spacing on these disc harrows is 9" or 11".



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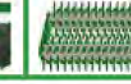



# ERDVARK ENGINEERING (PTY) LTD

## CHISEL PLOUGH HYDRAULIC RESET - CSH & CST

This Chisel Plough is developed to break compaction up to 500 mm deep with minimal soil mixing

Model No	Tines	Working Width T-Spacing 0.275 m	Working Width T-Spacing 0.300 m	Working Width T-Spacing 0.350 m	Working Width T-Spacing 0.400 m	Working Width T-Spacing 0.450m	Working Width T-Spacing 0.500 m	Average Tractor Req. kW
CSH825-5	5	1.38	1.50	1.75	2.00	2.25	2.50	80 - 150
CSH825-7	7	1.93	2.10	2.45	2.80	3.15	3.50	112 - 210
CSH825-9	9	2.48	2.70	3.15	3.60	4.05	4.50	144 - 270
CSH825-11	11	3.03	3.30	3.85	4.40	4.95	5.50	176 - 330
CSH825-13	13	3.58	3.90	4.55	5.20	5.85	6.50	208 - 390
CSH825-15	15	4.13	4.50	5.25	6.00	6.75	7.50	240 - 450
CSH825-17	17	4.68	5.10	5.95	6.80	7.65	8.50	272 - 510
CSH825-19	19	5.23	5.70	6.65	7.60	8.55	9.50	304 - 570
CSH825-21	21	5.78	6.30	7.35	8.40	9.45	10.50	336 - 630

### Different models options available

Tines Only	Tine Coulter	Tine G-Roller	Tine D-Roller	Tine S-Roller	Tine Coulter G-Roller	Tine Coulter D-Roller	Tine Coulter S-Roller
							
							

It is manufactured with a rugged two row frame and is available in 3-point mounted and trailed models.

The frame is built from 100x100 mm structural tubing.

The 3-point hitch attachment is suitable for CAT II & III.

Under frame clearance of 825 mm and working depth is 500 mm.

The tines are manufactured out of solid high strength steel, not hollow tubing.

The tines are fitted with hard wearing tine protector with reversible shear points.

The hydraulic tine tip breaks away force is standard 9.3 kN and the jump height is 500 mm (higher breakaway force is available on special request).

The auto-reset is ideal in heavily compacted soil and rocky conditions.

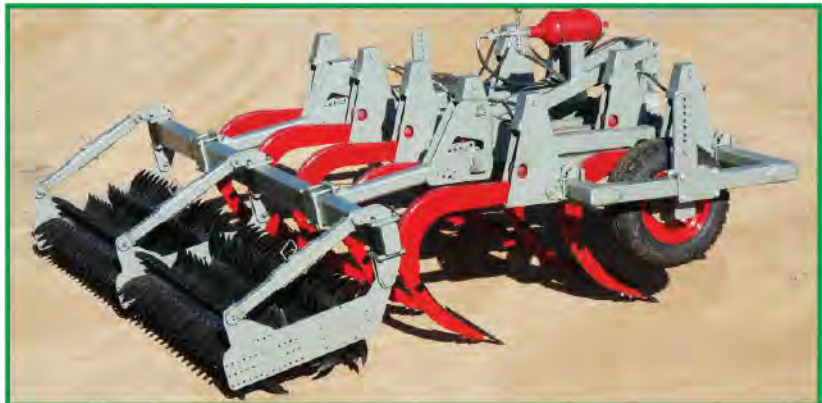
The tine support is on self-aligning bearings with long service life, easy and cost-effective maintenance.

Average tractor kW requirement per tine is between 16 to 40 kW depending on soil condition.

Any tine spacing between 275 mm and 500 mm is available with the unique frame support system.

Optional extra: Manual depth control wheels available on the 3-point mounted units.

Trailed unit is fitted with hydraulic depth control.



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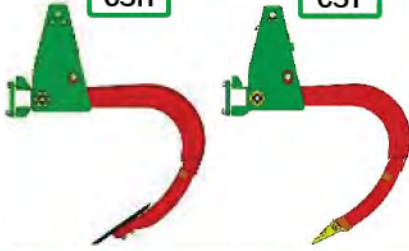
# ERDVARK ENGINEERING (PTY) LTD

## CHISEL PLOUGH HYDRAULIC RESET - CSH & CST

Tine options available:

CSH

CST

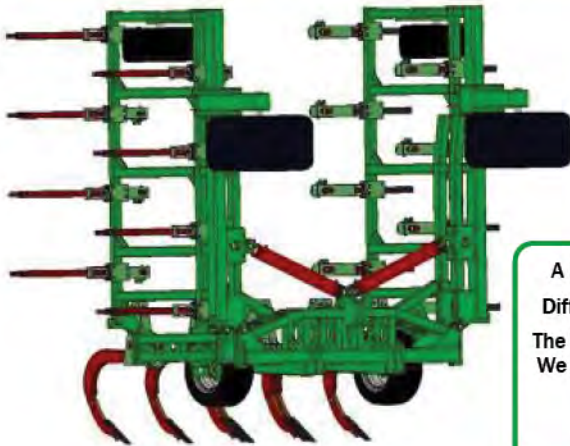
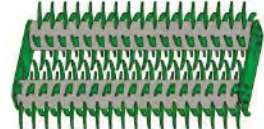
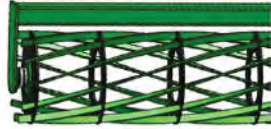


Different roller options available:  
Cage Roller, Drum Roller or Double Spike Roller.

Cage Roller  
(G-Roller)

Drum Roller  
(D-Roller)

Double Spike Roller  
(S-Roller)



A hydraulic under frame coulters system is available with easy depth control settings. Different roller options are available: Cage Roller, Drum Roller or Double Spike Roller. The bearings on the rollers are the proven Erdvark maintenance-free taper roller system. We guarantee that no dust or sand can enter the unit under normal working conditions. The hydraulic down force on the rollers is adjustable up to a force of 450 kg. You can choose from 8 different variations to suite your soil prep operations.



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**CASE II**  
AXIAL-FLOW

**WE ARE** defined



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The world is powered by agriculture. Farmers produce the food, fiber and fuel that supports nearly every aspect of life. Our mission at Case IH is to support these men and women with innovative, reliable and efficient solutions to meet the demands of modern farming. We are the brand for professional producers — a partner in their productivity, anticipating their needs to help them achieve more than they ever imagined possible.

Our philosophy is simple: Think and act like a farmer. So, we work harder to make sure everything we produce can withstand the rigors of the toughest jobs. We work smarter — innovation and evolution are central to our DNA. We refine, adapt and develop new technologies to partner with our agronomically superior products, all to maximize farmers' productivity. We are collaborative, working with our customers and other industry leaders to make sure our solutions are designed for farming's challenges.

Our approach is timeless, because it's inspired by a vocation as old as mankind — and as long as people need to eat, dress and travel, they can count on farmers and farmers can count on Case IH.

# by farming



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## Our Vision

To be the preferred partner in bringing innovative products and market-leading agricultural solutions and services to our customers around the world.

Our mission: Provide expertise in solutions that are agronomically and technologically designed to meet the challenges of today and the future. Everything we do is defined by how it best serves our customers, communities and their mission.

To that end, we are committed to innovation. To constantly evolve technology not only in terms of products but also in data collection, connectivity, farm management and agronomics – all so we can ensure that farmers around the world have the tools they need to maximize productivity on every hectare they farm.

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# Brand Identity Map

This graphic contains current perceptions our dealers and customers have of our brand along with the future aspirations we strive to have it represent.

## 2. RATIONAL BENEFITS

- Uptime
- Enterprise Connectivity
- Ease of Use
- Proactive, Reliable Service
- Ease of Doing Business
- Better Decision-making



### 3. EMOTIONAL BENEFITS

Confidence  
Trust  
Pride  
Support

### 5. PURPOSE

Empowering  
Professional  
Producers

### 6. ESSENCE

Productivity  
Enhancing  
Partner

Feeding  
the World

Driving  
Innovative  
Technology

### 4. CHARACTER & SYMBOLS

Straightforward  
Authentic  
Approachable  
Partner  
Red/Legacy  
Advanced Technology  
Boots on the Ground

### 1. OFFERING

Customer-driven Products  
Agronomic Design and Technological Innovation  
Superior Quality  
Responsive, Competent Dealers  
Dependable Aftermarket Support  
Flexible Financing Options

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# Innovation Is in Our DNA

Case IH traces its history back to the 1842 founding of the J.I. Case Threshing Machine Company in Racine, Wisconsin, USA, and the 1902 formation of International Harvester in Chicago, Illinois, USA. From its very beginnings, Case IH has been a leader in agricultural innovation.

As part of our long history of innovation, we were among the first large-scale producers of steam-powered tractors. We developed the first reaper and the original rotary combine. We also introduced Advanced Farming Systems (AFS) and developed one of the first fully functional autonomous concept tractors.

Our history is built on collaboration. We stand on the shoulders of some of the greatest legacies in farming. And with our legacy of innovation in mind, we will continue to evolve the technology of agriculture to new heights – to serve our farmers today and in the years to come.



**1869**

J.I. Case Company produces the first steam engine tractor. It is wheel-mounted, but still drawn by horses and used only to power other machines.

**1842**

Jerome Increase Case sets out for Wisconsin, eventually starting Racine Threshing Machine Works.

**1865**

J.I. Case Company adopts Old Abe the eagle as its mark and uses the registered mark of Old Abe on the Globe on Case machinery, parts, literature and dealerships from 1894 to 1969.



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**1886**  
J.I. Case Company becomes the world's largest producer of steam engines.

**1936**  
Harvester Red #50 is adopted for all International Harvester tractors, crawlers and power units in November 1936.



**1892**  
J.I. Case Company develops its first gasoline-powered tractor.

**1902**  
J.P. Morgan brokers the merger of McCormick Harvesting Machine Company, Deering Harvester Company and three others into International Harvester.

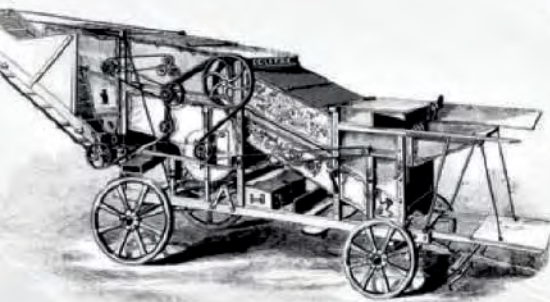


**1923**  
International Harvester introduces the first Farmall®, which redefined the role of a tractor as an all-purpose implement.

**1878**  
J.I. Case wins first place at the 1878 Paris Exposition in France for his thresher. This is to be the first thresher sent abroad by J.I. Case Company and is the first of thousands, which will later be exported internationally.

**1904**  
J.I. Case Company introduces the first all-steel thresher machine.

**1932**  
Farmall F-20 tractors are the first to introduce foot-to-floor pedal control, with left-foot clutch and 2 right-foot brakes.



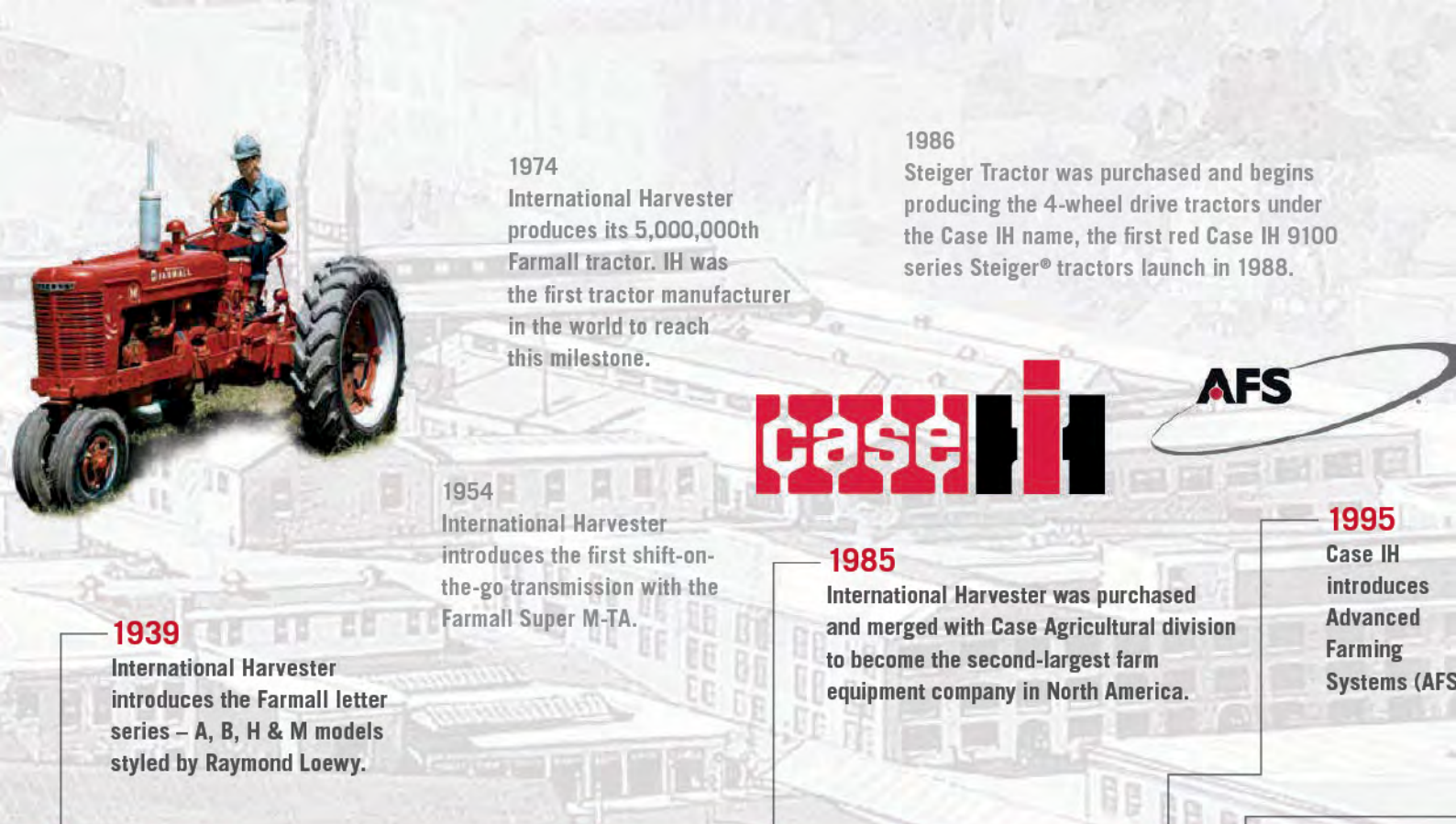
**1935**  
International Harvester introduces the USA's first production wheeled diesel tractor, the McCormick-Deering WD-40.

**1919**  
International Harvester incorporates the first commercial power take off (PTO) on the 8-16 tractor.

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**1974**  
International Harvester produces its 5,000,000th Farmall tractor. IH was the first tractor manufacturer in the world to reach this milestone.

**1986**  
Steiger Tractor was purchased and begins producing the 4-wheel drive tractors under the Case IH name, the first red Case IH 9100 series Steiger® tractors launch in 1988.



**1939**  
International Harvester introduces the Farmall letter series – A, B, H & M models styled by Raymond Loewy.

**1954**  
International Harvester introduces the first shift-on-the-go transmission with the Farmall Super M-TA.

**1985**  
International Harvester was purchased and merged with Case Agricultural division to become the second-largest farm equipment company in North America.

**1995**  
Case IH introduces Advanced Farming Systems (AFS)

**1947**  
International Harvester introduces the block IH logo.

**1977**  
The launch of the Axial-Flow® combine revolutionizes the industry with the simplicity, grain quality, grain savings, crop adaptability, matched capacity and added resale value.

**1988**  
Case IH introduces the Magnum™ series tractor, the first product engineered by the joint Case IH team.



**1941**  
International Harvester introduces Farmall MD, the first diesel row crop tractor.



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2009  
Case IH launches continuously variable transmission (CVT) technology on tractors.



2016  
Case IH unveils its new autonomous concept vehicle.

**1996**

Case IH introduces the Steiger Quadtrac® tractor.

Steyr Landmaschinentechnik AG of Austria and Austoft Sugarcane Harvesters of Brazil are purchased and incorporated into the Case IH line.



**2006**

The Puma® series tractors are re-introduced as a powerful multipurpose machine. The brand was originally introduced by Steiger as the Puma 1000 row-crop tractor 20 years earlier.



**2018**

Case IH introduces the AFS Connect™ Magnum tractor and AFS Harvest Command™ on the Axial-Flow 250 series combines.



**2003**

Case IH announces the return of the Farmall brand name with the D and DX series.

Case IH produces the 100,000th Magnum series tractor.



**2019**

Case IH enhances two-way data sharing with AFS Connect and third-party provider partnerships.



**2021**

The Case IH AFS Connect Optum® series tractors are introduced with the technology and horsepower needed for tillage, haulage and the heaviest-mounted implements.



**2015**

The Magnum Rowtrac™ tractor is introduced.



**2017**

Case IH launches the Trident™ 5550 liquid/dry combination applicator, the industry's fastest-converting combination applicator.



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# The Foundation for Future Farm Management Platforms

In 1995, we introduced our Advanced Farming Systems (AFS) platform. AFS was developed as a cornerstone of our brand and based on our vision for a future when technology offers professional farmers a complete end-to-end ecosystem that connects everything that happens on their farm.

AFS is continually evolving from its early days as a yield-monitoring platform and now offers leading-edge guidance capabilities as well as remote monitoring and service systems. Each phase of its evolution incorporates aspects of our Agronomic Design™ philosophy so farmers can make every input during every season as efficient and productive as possible. Today, with the introduction of AFS Connect™ Magnum™ and Steiger® and AFS Harvest Command™ products, we provide management and monitoring of fleet, farm and field across harvest, crop production, planting and automation.

And as we build toward the future, AFS continues to grow into an all-encompassing farm, field and fleet management solution. One that tracks activity, productivity and costs across not just growing seasons but also the life of an operation – giving our producers a central platform to visualize, manage and track farm data in a way that gives them more freedom and productivity.



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# TRACTORS



<h3>JXT Compact</h3>  <table border="1"> <thead> <tr> <th>2019</th> </tr> </thead> <tbody> <tr><td>JX35T ✓</td></tr> <tr><td>JX39T ✓</td></tr> <tr><td>JX40T ✓</td></tr> <tr><td>JX45T ✓</td></tr> </tbody> </table> <p>Tier 2</p> <p>FdP's: TLV, TNG (2019)</p> <p>Greater Noida</p>	2019	JX35T ✓	JX39T ✓	JX40T ✓	JX45T ✓	<h3>JXT Series</h3>  <table border="1"> <thead> <tr> <th>2019</th> </tr> </thead> <tbody> <tr><td>JX55T ✓</td></tr> <tr><td>JX75T ✓</td></tr> <tr><td>JX55T** ✓</td></tr> <tr><td>JX75T** ✓</td></tr> <tr><td>JX50T* ✓ (New)</td></tr> <tr><td>JX70T* ✓ (New)</td></tr> </tbody> </table> <p>* Tier 1 ** Tier 3</p> <p>FdP's: TIAP, TYP</p> <p>Greater Noida</p>	2019	JX55T ✓	JX75T ✓	JX55T** ✓	JX75T** ✓	JX50T* ✓ (New)	JX70T* ✓ (New)	<h3>Farmall JXM</h3>  <table border="1"> <thead> <tr> <th>2019</th> </tr> </thead> <tbody> <tr><td>JXM55 ✓</td></tr> <tr><td>JXM65 ✓</td></tr> <tr><td>JXM75 ✓</td></tr> <tr><td>JXM80 ✓</td></tr> <tr><td>JXM90 ✓</td></tr> </tbody> </table> <p>Tier 3</p> <p>FdP's: TLY</p> <p>Greater Noida</p>	2019	JXM55 ✓	JXM65 ✓	JXM75 ✓	JXM80 ✓	JXM90 ✓				
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<h3>JX Straddle &amp; HC</h3>  <table border="1"> <thead> <tr> <th>2019</th> </tr> </thead> <tbody> <tr><td>JX70 ✓</td></tr> <tr><td>JX80 ✓</td></tr> <tr><td>JX85 ✓</td></tr> <tr><td>JX95 ✓</td></tr> <tr><td>JX95HC* ✓</td></tr> </tbody> </table> <p>Tier 2 *Cab only</p> <p>FdP's: T1HE</p> <p>Erenler</p>	2019	JX70 ✓	JX80 ✓	JX85 ✓	JX95 ✓	JX95HC* ✓	<h3>Farmall JX</h3>  <table border="1"> <thead> <tr> <th>2019</th> </tr> </thead> <tbody> <tr><td>JX70 ✓</td></tr> <tr><td>JX75 ✓</td></tr> <tr><td>JX80 ✓</td></tr> <tr><td>JX90 ✓</td></tr> <tr><td>JX100 ✓</td></tr> <tr><td>JX110 ✓</td></tr> </tbody> </table> <p>Tier 3</p> <p>FdP's: T1CV</p> <p>Erenler</p>	2019	JX70 ✓	JX75 ✓	JX80 ✓	JX90 ✓	JX100 ✓	JX110 ✓	<h3>Quantum F</h3>  <table border="1"> <thead> <tr> <th>2019</th> </tr> </thead> <tbody> <tr><td>75F ✓</td></tr> <tr><td>85F ✓</td></tr> <tr><td>95F ✓</td></tr> </tbody> </table> <p>Tier 3</p> <p>FdP's: T1FD</p> <p>Jesi</p>	2019	75F ✓	85F ✓	95F ✓	<h3>Maxxum Value / Limited</h3>  <table border="1"> <thead> <tr> <th>2019</th> </tr> </thead> <tbody> <tr><td>110 hp ✓</td></tr> <tr><td>125 hp ✓</td></tr> <tr><td>140 hp ✓</td></tr> </tbody> </table> <p>Tier 3</p> <p>FdP's: T1AB</p> <p>Basildon</p>	2019	110 hp ✓	125 hp ✓	140 hp ✓
2019																								
JX70 ✓																								
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JX85 ✓																								
JX95 ✓																								
JX95HC* ✓																								
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<h3>Puma SWB</h3>  <table border="1"> <thead> <tr> <th>2019</th> </tr> </thead> <tbody> <tr><td>140 ✓</td></tr> <tr><td>155 ✓</td></tr> </tbody> </table> <p>Tier 3</p> <p>FdP's: T1MY</p> <p>St Valentin</p>	2019	140 ✓	155 ✓	<h3>Magnum T2</h3>  <table border="1"> <thead> <tr> <th>2019</th> </tr> </thead> <tbody> <tr><td>250 FPS/CVX ✓</td></tr> <tr><td>280 FPS/CVX ✓</td></tr> <tr><td>310 FPS/CVX ✓</td></tr> <tr><td>340 FPS/CVX ✓</td></tr> <tr><td>360 FPS/CVX ✓</td></tr> <tr><td>380 CVX ✓</td></tr> <tr><td>420 ✓</td></tr> </tbody> </table> <p>Tier 2</p> <p>FdP's: T1RF</p> <p>Racine</p>	2019	250 FPS/CVX ✓	280 FPS/CVX ✓	310 FPS/CVX ✓	340 FPS/CVX ✓	360 FPS/CVX ✓	380 CVX ✓	420 ✓	<h3>Steiger T2</h3>  <table border="1"> <thead> <tr> <th>2019</th> </tr> </thead> <tbody> <tr><td>480 FPS/CVT ✓</td></tr> <tr><td>480 FPS/CVT ✓</td></tr> <tr><td>500 FPS/CVT ✓</td></tr> <tr><td>550 FPS/CVT ✓</td></tr> <tr><td>600 ✓</td></tr> </tbody> </table> <p>Tier 2</p> <p>FdP's: T4TM</p> <p>Fargo</p>	2019	480 FPS/CVT ✓	480 FPS/CVT ✓	500 FPS/CVT ✓	550 FPS/CVT ✓	600 ✓	<h3>Puma LWB Multicontroller</h3>  <table border="1"> <thead> <tr> <th>2019</th> </tr> </thead> <tbody> <tr><td>180 ✓</td></tr> <tr><td>210 ✓</td></tr> <tr><td>225 CVT ✓</td></tr> </tbody> </table> <p>Tier 3</p> <p>FdP's: T1KM</p> <p>Basildon</p>	2019	180 ✓	210 ✓	225 CVT ✓
2019																								
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# CROP PROTECTORS

<h3>Patriot 50 Range</h3>  <table border="1"> <thead> <tr> <th>Boom width</th> <th>2018</th> </tr> </thead> <tbody> <tr><td>30M (100 ft) ✓</td></tr> <tr><td>30.5 m (100 ft) ✓</td></tr> </tbody> </table> <p>Aim Command Flex ready</p> <p>3028 litres (800 gal)</p> <p>250 Hp / Tier 3</p> <p>FdP: P9SR</p> <p>Benson</p>	Boom width	2018	30M (100 ft) ✓	30.5 m (100 ft) ✓	<h3>Patriot 4430</h3>  <table border="1"> <thead> <tr> <th>Boom width</th> <th>2018</th> </tr> </thead> <tbody> <tr><td>36,5 m (120 ft) ✓</td></tr> </tbody> </table> <p>Aim Command Flex ready</p> <p>4542 litres (1200 gal) and 6000 liters (1600 gal) Australia Only</p> <p>335 Hp / Tier 2</p> <ul style="list-style-type: none"> <li>36,5 m (120 ft) boom width can be reduced to 27,4 or 18,3 m (90 / 60 ft) by folding in outer sections.</li> </ul> <p>FdP: P2SS</p> <p>Benson</p>	Boom width	2018	36,5 m (120 ft) ✓
Boom width	2018							
30M (100 ft) ✓								
30.5 m (100 ft) ✓								
Boom width	2018							
36,5 m (120 ft) ✓								



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# HARVESTERS



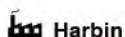
## AF 4000 Series Class IV



2023
AF4088 210 hp
Tier 3



FdP: CCMR



## AF 150 Series Class V



2023
AFS 5150
AFS 6150 275hp
Afs 7150 275hp***
*Tier 3



FdP: CEMR



FdP: CEMR



## AF 250 Series Class IX



FdP's: CEMR, CSFS



FdP: CSFS



FdP: CSFS

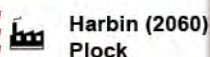


## Rigid

2018
2060 ✓
2030 ✓
3050 ✓



«2060» FdP: C9GH  
«2030» FdP: C1GH  
«3050» FdP: C2GH



## Flex

2018
3020 ✓



«3020» FdP: C1FH

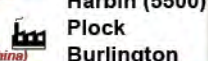


## Corn

2018
5500 ✓
4400 ✓
3408 ✓



«5500» FdP: C8CH  
«4400» FdP: C7CH  
«3408» FdP: C3CH (Stock China)



## Draper

2018
3152 ✓
3162* ✓ (Flex)
* Soy – 3162 only



«3152/3162» FdP: C9DH



## Pick-up

2018
3016 ✓








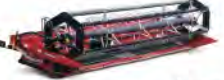












«3016» FdP: C2WP



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<p><b>WD1204</b></p> <p>2019</p> <p>WD1204 - 126 hp</p> <p>Tier 3 4.5 l / 4 Cyl. Mech. Engine</p>  <p>F&amp;P: HT2V  Grand Island</p>	<p><b>WD1904</b></p> <p>2019</p> <p>WD1904 - 190 hp</p> <p>Tier 3 6.7 l / 6 Cyl. Electr. Engine</p>  <p>F&amp;P: HT2V  Grand Island</p>	<p><b>WD2304</b></p> <p>2019</p> <p>WD2304 - 226 hp</p> <p>Tier 3 6.7 l / 6 Cyl. Electr. Engine</p>  <p>F&amp;P: HT2V  Grand Island</p>	<p><b>Sickle Header: HS series</b></p> <p>2019</p> <p>HS16 - 16 feet ✓ HS18 - 18 feet ✓</p> <p>Rubber Conditioner Steel Conditioner</p>  <p>F&amp;P: HT2P  Grand Island</p>
<p><b>Discbine Header: RD series</b></p> <p>2019</p> <p>RD163 - 16 feet ✓</p> <p>Rubber Conditioner Steel Conditioner Flail Conditioner</p>  <p>F&amp;P: HT2N  Grand Island</p>	<p><b>Draper Header: DH series</b></p> <p>2019</p> <p>DH213 - 21 feet ✓ DH253 - 25 feet ✓ DH303 - 30 feet ✓ DH353 - 35 feet ✓ DH403 - 40 feet ✓</p>  <p>F&amp;P: HT2L  Grand Island</p>	<p><b>RB344</b></p> <p>2019</p> <p>RB344P ✓ RB344C ✓</p> <p>F= Rotor Feeder C= Rotor Cutter Bale Size (WxD): 120x125 cm</p>  <p>Wrapping system: net or net/twine</p> <p>F&amp;P: B8RB  Plock</p>	
<p><b>RB544 SP HD</b></p> <p>2019</p> <p>RB544 SP HD ✓</p> <p>Rotor Cutter Bale Size (WxD): 122x125 cm</p>  <p>Wrapping system: net/plastic</p> <p>F&amp;P: B3RB  Plock</p>	<p><b>RB545</b></p> <p>2019</p> <p>RB545 ✓</p> <p>Rotor Cutter Bale Size (WxD): 122x125 cm</p>  <p>Wrapping system: net only</p> <p>F&amp;P: B3RB  Plock</p>	<p><b>RB545 SP</b></p> <p>2019</p> <p>RB545 SP ✓</p> <p>Rotor Cutter Bale Size (WxD): 122x125 cm</p>  <p>Wrapping system: net/plastic</p> <p>F&amp;P: B3RB  Plock</p>	
<p><b>RB455</b></p> <p>2019</p> <p>RB455A ✓ RB455F ✓ RB455C ✓</p> <p>A= Overshot F= Rotor Feeder C= Rotor Cutter Bale Size (WxD min/max): 120x90/150 cm</p>  <p>Wrapping system: net, twine or net/twine</p> <p>F&amp;P: B1BH  Plock</p>	<p><b>RB465</b></p> <p>2019</p> <p>RB465A ✓ RB465F ✓ RB465C ✓</p> <p>A= Overshot F= Rotor Feeder C= Rotor Cutter Bale Size (WxD min/max): 120x90/180 cm</p>  <p>Wrapping system: net, twine or net/twine</p> <p>F&amp;P: B1BH  Plock</p>	<p><b>SB521 &amp; SB531</b></p> <p>2019</p> <p>SB521 ✓ SB531 ✓</p> <p>Bale Size (WxH): 36x46 cm Bale Length: 30/130 cm Pickup: 165 cm 2 knotters</p>  <p>SB521: 79 SPM SB531: 93 SPM</p> <p>F&amp;P: B2AB  SPM - Plunger Strokes Per Minute  Pennsylvania</p>	
<p><b>SB541 &amp; SB551</b></p> <p>2019</p> <p>SB541 ✓ SB551 ✓</p> <p>Bale Size (WxH): 36x46 cm / 41x46 cm Bale Length: 30/130 cm Pickup: 190 cm 2 knotters</p>  <p>SB541: 93 SPM SB551: 93 SPM</p> <p>F&amp;P: B2AB  SPM - Plunger Strokes Per Minute  Pennsylvania</p>	<p><b>LB324XL</b></p> <p>2019</p> <p>LB324 ✓</p> <p>Bale Size (WxH): 80x70 cm Bale Length: 100/260 cm 4 knotters</p>  <p>Three models: Standard Packer, Packer Cutter &amp; Rotor Cutter</p> <p>F&amp;P: B1LB  Zedelgem</p>	<p><b>LB334XL</b></p> <p>2019</p> <p>LB334 ✓</p> <p>Bale Size (WxH): 80x90 cm Bale Length: 100/260 cm 4 knotters</p>  <p>Three models: Standard Packer, Packer Cutter &amp; Rotor Cutter</p> <p>F&amp;P: B1LB  Zedelgem</p>	
<p><b>LB424XL</b></p> <p>2019</p> <p>LB424XL ✓</p> <p>Bale Size (WxH): 120x70 cm Bale Length: 100/260 cm 6 knotters</p>  <p>Two models: Standard Packer &amp; Rotor Cutter</p> <p>F&amp;P: B1LB  Zedelgem</p>	<p><b>LB434XL</b></p> <p>2019</p> <p>LB434XL ✓</p> <p>Bale Size (WxH): 120x90 cm Bale Length: 100/260 cm 6 knotters</p>  <p>Two models: Standard Packer &amp; Rotor Cutter</p> <p>F&amp;P: B1LB  Zedelgem</p>	<p><b>Disc Mower</b></p> <p>2019</p> <p>Mounted</p> <p>MDX1 - 1.8 m ✓ MDX3 - 2.0 m ✓ MDX4 - 2.4 m ✓ MD73 - 2.0 m ✓ MD83 - 2.4 m ✓ MD83 - 2.8 m ✓</p> <p>Trailed</p> <p>TD103 - 3.2 m ✓</p> <p>Seven models: Mounted MDX (value-line) &amp; MD (heav-duty), and Trailed</p> <p>F&amp;P's: HTYL, HTSA  Pennsylvania Sitrex</p>	



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### Disc Mower Conditioner



Side-Pull	2019
DC131 - 4.8 m	✓
DC133 - 4.9 m	✓

Center-Pivot	2019
DC133 - 4.0 m	✓
DC163 - 4.9 m	✓

Four models:  
Side-Pull and Center-Pivot  
Rubber, Steel and Flail conditioner

Fdp: HT3B, HT3K  
Pennsylvania

### Sickle Mower Conditioner



Trailed	2019
SD101 - 4.3 m	✓
SD101 - 4.9 m	✓
SD101 - 5.5 m	✓

Fdp: HT2U  
Pennsylvania

### Merger



	2019
CM109 - 2.7 m	✓
CM209 - 2.7 m	✓
CM210 - 3.7 m	✓

Two 2.7 m pickup models:  
CM109 (center-pull) & CM209 (side-pull)

Fdp: HT3B  
H & S

### Trailed Wheel Rake



	2019
WR201 - 5.3 m	✓
WR302 - 8.7 m	✓
WR401 - 9.2 m	✓

Fdp: HT2Q  
H & S  
Sitrex

### Carted Wheel Rake



	2019
WR102A - 5.5 m	✓
WR102B - 5.4 m	✓
WR102C - 7.5 m	✓

Fdp: HT2D  
Sitrex

### Pull Type Forage Harvester



	2019
PH3-300	✓
PTO - 180 hp	✓

Fdp: PH1D  
Pennsylvania

### Pull Type Forage Harvester Headers



Pick-up	2019
HDX10P - 2.15 m	✓
HDX20P - 2.6 m	✓

Corn	2019
HDX5R - 2 frows	✓

Fdp: PH1G  
Pennsylvania

## TILLAGE

### Ecolo Till 2500 Ripper



No#. Shanks	Work Width
3 Shanks (30-40IN)	5 ft.
4 Shanks (30-40IN)	10 ft.
5 Shanks (30IN)	10 ft.
7 Shanks (30IN)	15 ft.
9 Shanks (30IN)	20 ft.
3&4 shanks @ 30" or 40"	
5-7-9 shanks @ 30" SPACING	

Fdp: P1AJ  
Goodfield

### Ecolo Tiger Disk Ripper



ET 875	Work Width
7 Shanks	14 ft.
9 Shanks	18 ft.
11 Shanks	22 ft.
13 Shanks	26 ft.

24" shank spacing  
24" or 26" Blade diameter  
15" or 12" Blade Spacing  
Blades at 15° angle

Fdp: P1DS  
Goodfield

ET 30C	Work Width
ET530C 5 Shanks	12,5 ft.
ET730C 7 Shanks	17,5 ft.

30" shank spacing  
Lead Shanks  
24" Blade Diameter  
15" Blade Spacing & 18° angle

Fdp: P1EF  
Premier  
Fabrication

### Heavy Offset 790 Disc Harrow



790 Offset	Work Width
Plowing	11 ft.
Plowing	14 ft.
Plowing	17 ft.
Plowing	21 ft.
Plowing	24 ft.
32" blade diameter 12" blade spacing	

Fdp: P1DK  
Modern Ag

790 Offset	Work Width
All Purpose	11 ft.
All Purpose	14 ft.
All Purpose	17 ft.
All Purpose	20 ft.
All Purpose	21 ft.
All Purpose	24 ft.
All Purpose	27 ft.
28" blade diameter 10.5" blade spacing	

### True Tandem 335 Disc Harrow BARRACUDA & TT335 VT



Frame type	Work Width
Single Fold Barracuda	22 ft.
Single Fold Barracuda	25 ft.
Single Fold Barracuda	28 ft.
Single Fold Barracuda	31 ft.
Single Fold Barracuda	34 ft.
Double Fold TT335VT	42 ft.
Double Fold TT335VT	47 ft.

22" aggressive blade diam.  
7.5" blade spacing  
Cushion Gang

Fdp: P1EJ Barracuda  
Fdp: P1DQ TT335 VT  
Goodfield

### True Tandem TT375 Disc Harrow

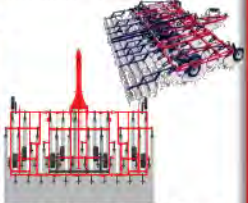


Frame type	Work Width
Single Fold	22 ft.
Single Fold	28 ft.
Single Fold	31 ft.
Single Fold	34 ft.
Single Fold	37 ft.
Double Fold	42 ft.
Double Fold	47 ft.

24" blade diameter  
9" blade spacing  
Cushion Gang all sizes  
Rigid Gang available on 42ft

Fdp: P1DX Single Fold  
Fdp: P1DQ Double Fold  
Goodfield

### Tiger Mate TM255 Field Cultivator



Frame type	Work Width
Single Fold	22.2 ft.
Single Fold	25.5 ft.
Single Fold	32.0 ft.
Single Fold	35.2 ft.
Double Fold	37.4 ft.
Double Fold	40.6 ft.
Double Fold	51.5 ft.
Double Fold	60.1 ft.
Floating	37.4 ft.
Double Fold	40.6 ft.
Floating	51.5 ft.
Double Fold	60.1 ft.

Split the Middle Sweep Pattern on 5 bars frame

Fdp: P1DT  
Goodfield



# TILLAGE



## EARLY RISER Precision Planter



Model	n. of Rows	Model	n. of Rows
Early Riser 2140	31 rows @ 15"	Early Riser 2130	12 rows @ 40"
Seed Only PIVOT FOLD Split-Row Lift System			

Fdp: P1LD Saskatoon Fdp: P1LC

## Air Cart (40 Series)



Model	Capacity
PA2230	230 bu.
2 Tanks – TBH only* Single & Double Shoot	

Saskatoon

Fdp: P1BS  
(only inventory)

## Air Cart (50 Series)



Model	Capacity
PA3360	380 bu.
PA3430	430 bu.
3 Tanks – TBH only* Single & Double Shoot	

Fdp: P1BT  
(only inventory)

## Air Cart (60 Series)



**flexi**coil

Model	Capacity
FC3560 2 Tanks	350 bu.
FC4460 3 Tanks	440 bu.
2 & 3 Tanks. Single & Double Shoot TBH & TBT*	

Saskatoon  
Fdp: P1EA (inventory); P1EK

## Precision Disc Drill PD500T

**flexi**coil



Model	Work Width	Saskatoon
FC 6100/6200 – P1EL	30-40-50-60 ft.	Fdp: P1DM & P1DP (inventory)
PD 500T – P1DL (mounted seed tank)	25 & 30 & 40 ft.	
P1EL	- 7.5" & 10" Row Spacing - SS** & DS**	Fdp: P1EL new production
P1DL	- 7.5" Row Spacing - SS**	Fdp: P1DL
TBH* & TBT* - true parallel linkage		

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## PARTS AND SERVICE

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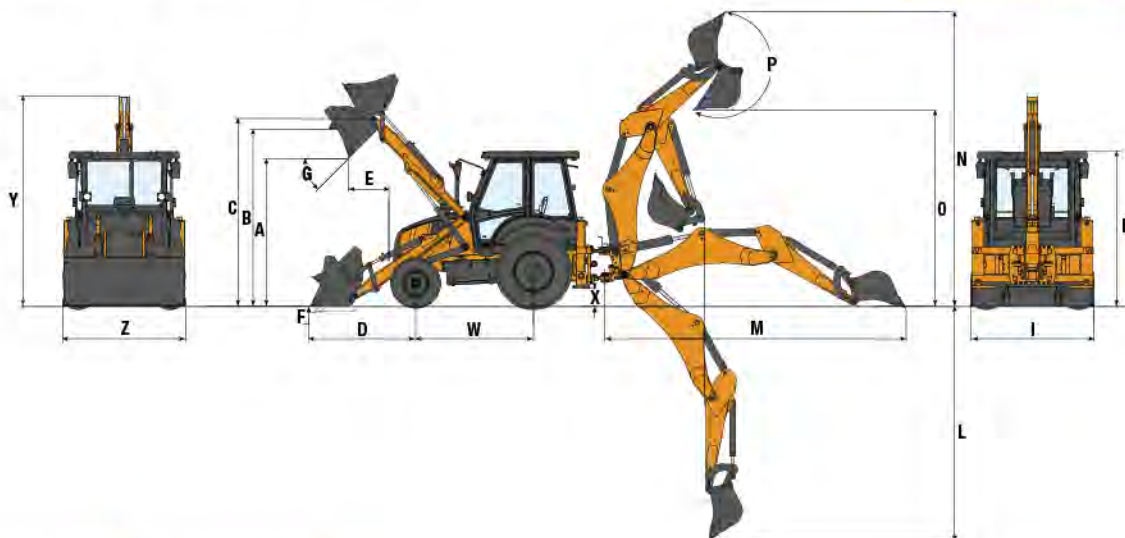
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# BACKHOE LOADERS



## GENERAL DIMENSIONS

	570T (2WD/4WD)	570ST (2WD/4WD)
A Dump height	2650/2720 mm	2650/2720 mm
B Load over height	3205/3275 mm	3205/3275 mm
C Hinge pin height	3510/3580 mm	3510/3580 mm
D Reach at ground	1980 mm	1980 mm
E Reach at full height-bucket dumped	800/760 mm	800/760 mm
F Below ground level-dig depth	94/98 mm	94/98 mm
G Dump angle	47°/45°	47°/45°
Maximum lifting capacity @ max height	3425 kg	3425 kg

## OVERALL DIMENSIONS AND WEIGHTS

	570T (2WD/4WD)	570ST (2WD/4WD)
H Cab height	2850/2870 mm	2850/2870 mm
I Overall width	2277 mm	2277 mm
Overall operating weight	7350 kg	7350 kg
W Wheel base	2175 mm	2175 mm
X Minimum ground clearance	400 mm	400 mm
Y Overall height (Transport)	3820/3800 mm	3820/3800 mm
Z Width over bucket (Transport)	2277 mm	2277 mm

## BACKHOE - STANDARD DIPPER

	570T(14')	570ST(15')
L Max.dig depth	4399 mm	4700 mm
M Reach ground level to swing center	5657 mm	5927 mm
N Max working height	5489 mm	5675 mm
O Max load over height	3644 mm	3726 mm
P Bucket rotation	204°	204°
Bucket breakout force	5630 kg	5630 kg
Dipper digging force	4300 kg	4300 kg

## BACKHOE - EXTENDAHOE DIPPER

	570T(14')	570ST(15')
L Max.dig depth	5584 mm	5892 mm
M Reach ground level to swing center	6739 mm	7024 mm
N Max working height	6220 mm	6405 mm
O Max load over height	4387 mm	4459 mm
P Bucket rotation	204°	204°
Bucket breakout force	5630 kg	5630 kg
Dipper digging force (retracted)	4300 kg	4300 kg



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# SPECIFICATIONS

## OPTIONAL BUCKETS

	Capacity (SAE L)
Loader GP	1000
Loader GP	1100
Loader	1200
4 x 1 Loader	1000
12" (300 mm) backhoe trenching	80
18" (450 mm) backhoe trenching	120
24" (600 mm) backhoe trenching	180
30" (760 mm) backhoe trenching	260
36" (910 mm) backhoe trenching	300

## SPECIFICATIONS

	570T 2WD/4WD	570T 2WD/4WD
<b>ENGINE</b>		
Model	8045.45.745	8045.45.748
Type	Turbocharged aftercooler	Turbocharged aftercooler
Displacement / Compression ratio	3.9 l / 18.3:1	3.9 l / 18.3:1
Bore/Stroke	104 x 115mm	104 x 115mm
Horsepower - rated at 2200 rpm	86 hp	96 hp
Maximum torque at 1300 rpm	393 Nm	420 Nm
Engine speeds	2200 rated speed, full load	2200 rated speed, full load
<b>POWER TRAIN</b>		
Transmission	CARRARO 2WD TLB1 or 4WD TLB1	
Type	Power Shuttle with 4 forward and 4 reverse travel gears	Power Shuttle with 4 forward and 4 reverse travel gears
Gear	Forward - Reverse (speed kmph)	Forward - Reverse (speed kmph)
1st - 2nd - 3rd -4th Speed	6.2/7.4 - 10/12 - 20.7/24.8 - 39.2/NR	6.2/7.4 - 10/12 - 20.7/24.8 - 39.2/NR
<b>FRONT AXLE</b>		
2 Wheel Drive (Standard)	Model CNH PS1300	Model CNH PS1300
Type - Oscillation	+/- 10.5°	+/- 10.5°
4 Wheel Drive (Optional)	Model CARRARO 26.17	Model CARRARO 26.17
Type - Oscillation	+/- 8°	+/- 8°
<b>REAR AXLE</b>		
Model	CARRARO 28.32M	CARRARO 28.32M
Type	Rigid	Rigid
<b>BRAKES</b>		
Services brakes	Type: wet multi-disc / Nr. of discs: 6	Type: wet multi-disc / Nr. of discs: 6
Parking Brakes	Type: Manual, with lever	Type: Manual, with lever
<b>TYRE SIZE RECOMMENDED</b>		
2WD	9.0 x 16 - 16 PR front	16.9 x 28 - 12PR or 12 x 25 - 20 PR rear
4WD	12.5 x 18 - 12 PR front	16.9 x 28 - 12 PR front
<b>HYDRAULIC SYSTEM</b>		
Type	Open center with double gear pump	Open center with double gear pump
Flow rate	123 lpm @ 2200rpm	145 lpm @ 2200rpm
Pressure	210 bar	210 bar
<b>STEERING</b>		
Type	Power Steering	Power Steering
System pressure / Displacement	140 bar / 125cc	140 bar / 125cc
Turning radius (outside of the bucket)	4600 mm with brake	5550 mm with brake
Tread width	1884 mm front	1697 mm front
<b>CABIN</b>		
Certification	ROPS/FOPS	ROPS/FOPS
Air conditioning	Optional	Optional
<b>SERVICE CAPACITIES</b>		
Engine oil	9.1 ltr	9.1 ltr
Transmission oil	19/21 ltr	19/21 ltr
Front axle oil	-/9 ltr	-/9 ltr
Rear axle oil	17 ltr	17 ltr
Hydraulic oil	110 ltr	110 ltr
Fuel tank	129 ltr	129 ltr
Coolant	24 ltr	24 ltr

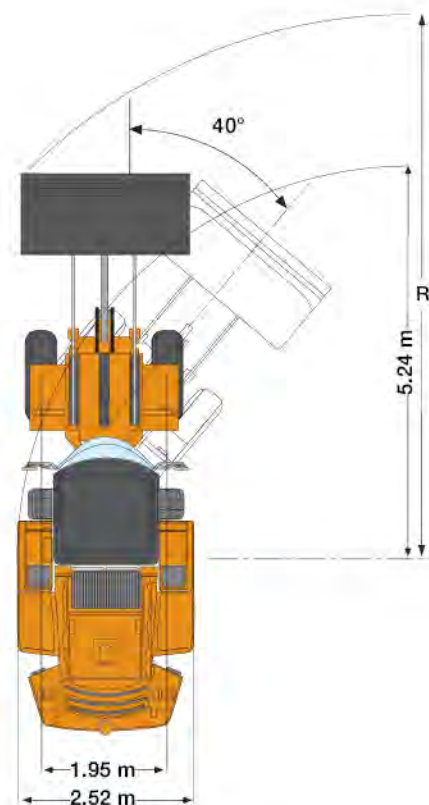
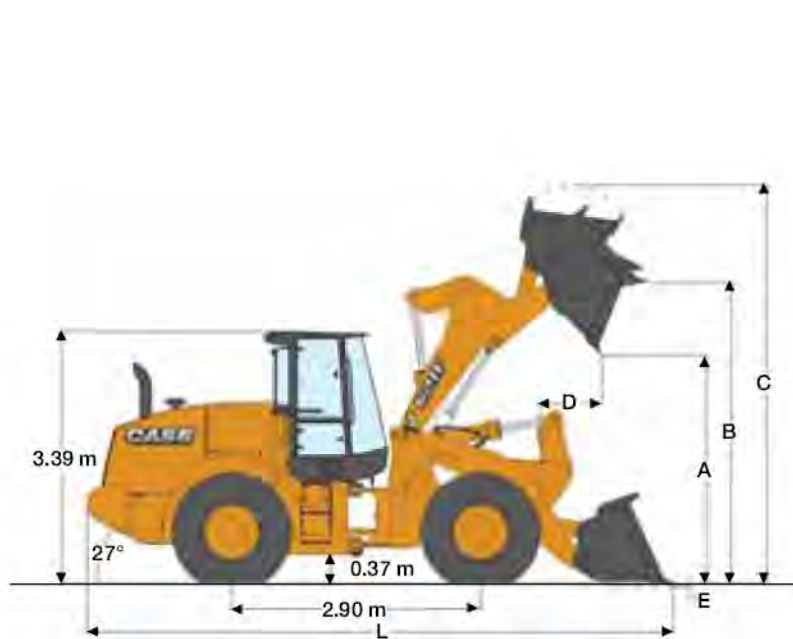
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# 621F

# SPECIFICATIONS



### LOADER SPEED:

Raising time (loaded)	6.3 sec
Dump time (loaded)	1.2 sec
Lowering time (empty, power down)	4.4 sec
Lowering time (empty, float down)	4.4 sec

621F		Z-bar				Long Reach				TC	
		2.4 m <sup>3</sup> bucket		2.0 m <sup>3</sup> bucket with quick coupler		2.2 m <sup>3</sup> bucket		2.0 m <sup>3</sup> bucket with quick coupler		2.0 m <sup>3</sup> bucket with quick coupler	
		edge	teeth	edge	teeth	edge	teeth	edge	teeth	edge	teeth
	Bucket with bolt on :										
	Bucket volume (heaped)	m <sup>3</sup>	2.38	2.36	2.00	2.00	2.18	2.14	2.00	2.00	2.00
	Bucket Payload	kg	4371	4367	4519	4570	3707	3704	3708	3757	4092
	Maximum material density	ton/m <sup>3</sup>	1.84	1.85	2.26	2.29	1.70	1.73	1.85	1.88	2.05
	Bucket outside width	m	2.49	2.54	2.49	2.49	2.49	2.54	2.49	2.49	2.49
	Bucket weight	kg	941	968	1242	1168	890	916	1242	1168	1242
	Tipping load - straight	kg	9964	9962	10325	10426	8488	8485	8527	8624	9360
	Tipping load - Articulated at 40°	kg	8741	8735	9038	9139	7414	7407	7416	7514	8185
	Breakout force	kg	9819	10097	9472	9272	11233	11591	9503	9310	10595
	Lift capacity from ground	kg	9857	9956	13068	13175	11411	11410	11348	11436	14642
A -	Dump height at 45° at full height	m	2.75	2.68	2.71	2.69	3.24	3.17	3.19	3.18	2.65
B -	Hinge pin height	m	3.83	3.83	3.83	3.83	4.24	4.24	4.24	4.24	3.96
C -	Overall height	m	5.04	5.04	5.05	5.05	5.45	5.45	5.46	5.46	5.23
D -	Bucket reach at full height	m	1.08	1.16	1.12	1.16	1.01	1.01	1.22	1.25	1.23
E -	Dig depth	cm	9	9	9	8	9	9	10	9	18
L -	Overall length with bucket on the ground	m	7.47	7.57	7.53	7.56	7.75	7.86	7.93	7.97	7.78
	Overall length without bucket	m	6.28	6.28	6.28	6.28	6.69	6.69	6.69	6.69	6.20
R -	Turning radius to front corner of the bucket	m	5.7	5.8	5.7	5.7	5.9	6.0	5.9	5.9	5.8
	Bucket rollback in carry position		44°	44°	49°	49°	46°	46°	51°	51°	58°
	Dump angle at full height		51°	51°	46°	46°	46°	46°	41°	41°	55°
	Machine operating weight	kg	12191	12218	12492	12418	12336	12362	12688	12614	12569



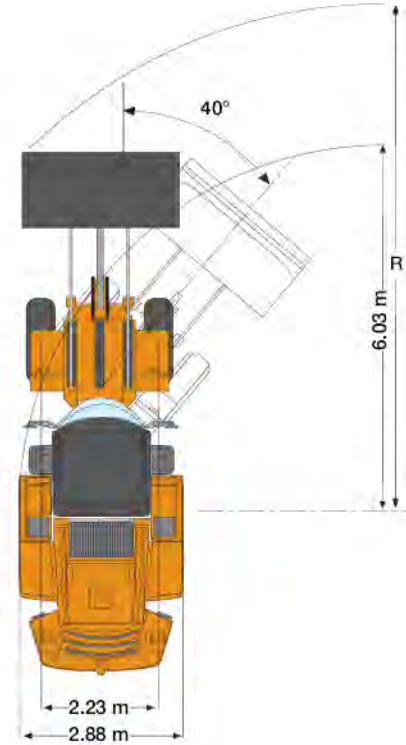
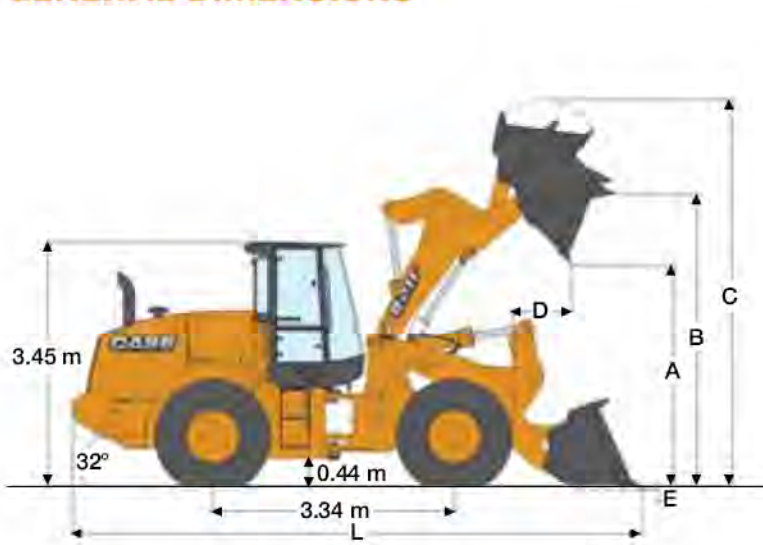
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# 721F-821F

# SPECIFICATIONS

## GENERAL DIMENSIONS



### LOADER SPEED

Raising time (loaded)	6.2 sec
Dump time (loaded)	1.2 sec
Lowering time (empty, power down)	2.9 sec
Lowering time (empty, float down)	2.5 sec

821F	Z-BAR BUCKETS						XR BUCKETS (EXTRA REACH)				
	3.4 m³		3.2 m³		2.8 m³		3.2 m³		2.8 m³		
	edge	teeth	edge	teeth	edge	teeth	edge	teeth	edge	teeth	
Bucket with bolt on:											
Bucket volume (heaped)	m³	3.42	3.24	3.20	3.10	2.8	2.5	3.2	3.1	2.8	2.5
Bucket Payload	kg	6146	6268	6184	6295	6274	6478	4878	4970	4968	5123
Maximum material density	ton/m³	1.80	1.94	1.93	2.03	2.24	2.59	1.53	1.60	1.77	2.05
Bucket outside width	m	2.95	2.95	2.94	2.94	2.95	2.94	2.95	2.94	2.95	2.94
Bucket weight	kg	1550	1460	1520	1430	1366	1276	1520	1430	1366	1276
Tipping load - straight	kg	14203	14465	14284	14523	14465	14917	11366	11562	11547	11889
Tipping load - Articulated at 40°	kg	12293	12536	12367	12590	12547	12955	9756	9941	9936	10246
Breakout force	kg	15076	16133	15473	16676	17751	19180	15721	16953	18032	19496
Lift capacity from ground	kg	17976	18137	18055	18201	18263	18559	13725	13885	13938	14237
A Dump height at 45° at full height	m	2.94	2.86	2.96	2.88	3.06	2.99	3.34	3.33	3.50	3.43
B Hinge pin height	m	4.12	4.12	4.12	4.12	4.12	4.12	4.56	4.56	4.56	4.56
C Overall height	m	5.49	5.49	5.45	5.45	5.29	5.29	5.89	5.89	5.73	5.73
D Bucket reach at full height	m	1.17	1.13	1.15	1.27	1.02	1.14	1.26	1.38	1.14	1.26
E Dig depth	cm	7	5	7	5	7	5	14	11	14	11
L Overall length with bucket on the ground	m	7.94	8.06	7.90	8.03	7.74	7.86	8.39	8.52	8.23	8.35
Overall length without bucket	m	6.78	6.78	6.78	6.78	6.78	6.78	7.24	7.24	7.24	7.24
R Turning radius to front corner of the bucket	m	6.6	6.7	6.6	6.6	6.6	6.6	6.9	6.9	6.8	6.8
Bucket rollback in carry position	°	44	44	44	44	44	44	43	43	43	43
Dump angle at full height	°	55	55	55	55	55	55	49	49	49	49
Machine operating weight	kg	17694	17604	17664	17574	17510	17420	18046	17956	17892	17802

Note: bucket specification can slightly differ according to plant source. More bucket choice is available, please contact your local dealer.

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# 845B-685B-885B



## SCARIFIER, RIPPER, AND DOZER BLADE

Series 800B graders offer a collection of attachments that provide greater operational versatility. The scarifier is mounted on the front and offers a choice an option of 5 or 11 teeth versions. The parallelogram shaped dozer blade is interchangeable with the scarifier.

Series 800B graders offer the following rear attachments:

- Model 845B: 5-tooth rear ripper.
- Models 865B and 885B: 3 or 5 tooth rear ripper and 5 or 9 tooth rear scarifier.

	845B	865B	885B
Power output (SAE J1995 /Gross)	(FPT Tier3) 173 hp (129 kW)	(FPT Tier3) 220 hp (164 kW)	(FPT Tier3) 234 hp (175 kW)
Operating weight	14605 kg	15587 kg	17210 kg
Moldboard (standard)	3658 mm	3962 mm	4267 mm



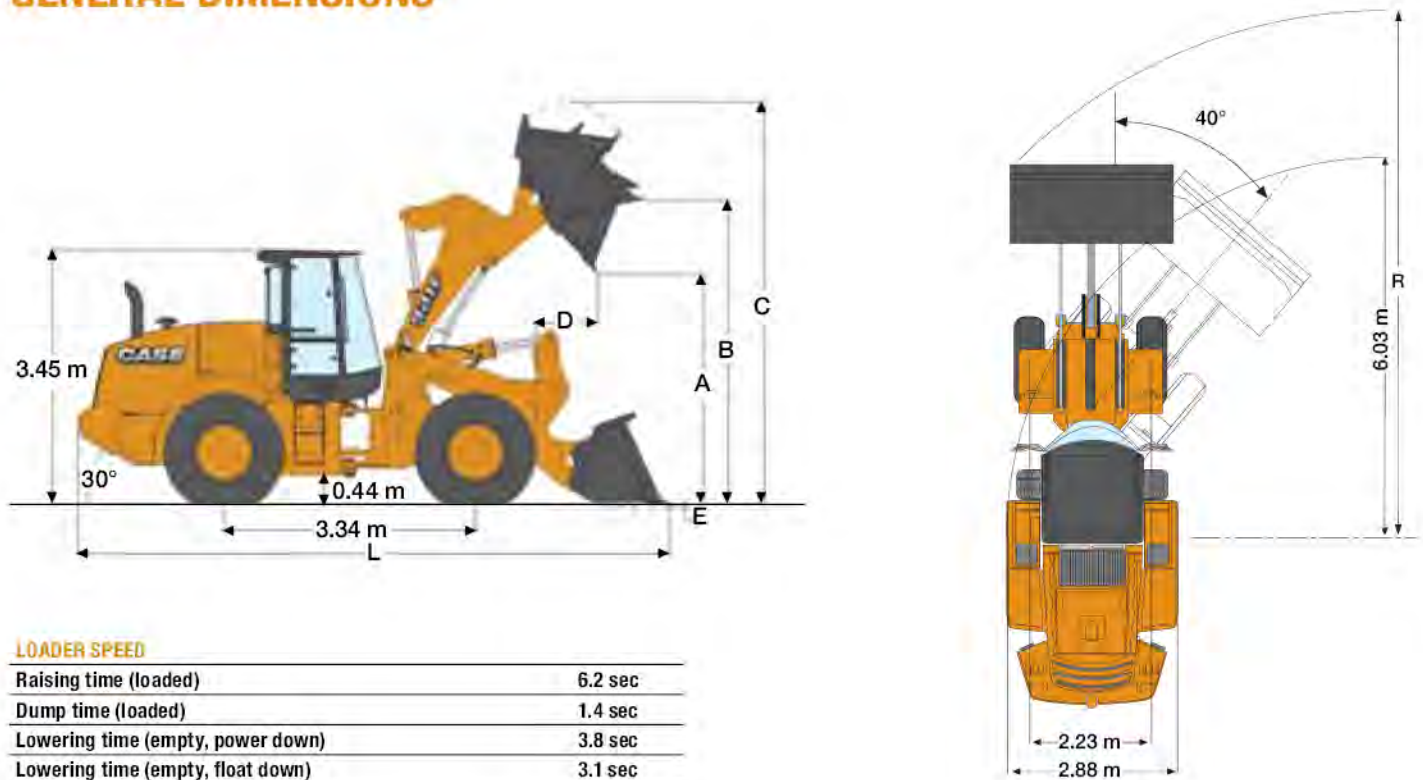
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# 921F

# SPECIFICATIONS

## GENERAL DIMENSIONS



### LOADER SPEED

Raising time (loaded)	6.2 sec
Dump time (loaded)	1.4 sec
Lowering time (empty, power down)	3.8 sec
Lowering time (empty, float down)	3.1 sec

921F		Z-RIAR 3.6 m³		LONG REACH 3.6 m³	
		edge	teeth	edge	teeth
Bucket with bolt on:					
Bucket volume (heaped)	m³	3.63	3.51	3.63	3.51
Bucket Payload	kg	7123	7233	5649	5737
Maximum material density	ton/m³	2.0	2.1	1.6	1.6
Bucket outside width	m	3.03	3.03	3.03	3.03
Bucket weight	kg	1783	1715	1783	1715
Tipping load - straight	kg	16579	16820	13258	13448
Tipping load - Articulated at 40°	kg	14245	14465	11298	11473
Breakout force	kg	17034	18203	17324	18511
Lift capacity from ground	kg	21148	21739	16527	16685
A - Dump height at 45° at full height	m	2.9	2.81	3.34	3.25
B - Hinge pin height	m	4.12	4.12	4.56	4.56
C - Overall height	m	5.58	5.58	6.02	6.02
D - Bucket reach at full height	m	1.19	1.30	1.3	1.4
E - Dig depth	cm	8	8	14	14
L - Overall length with bucket on the ground	m	7.98	8.12	8.5	8.6
Overall length without bucket	m	6.78	6.78	7.24	7.24
R - Turning radius to front corner of the bucket	m	13.34	13.42	13.85	13.95
Bucket rollback in carry position	°	44	44	43	43
Dump angle at full height	°	47	51	49	49
Machine operating weight	kg	19857	19789	20000	19930

Note: bucket specification can slightly differ according to plant source. More bucket choice is available, please contact your local dealer.

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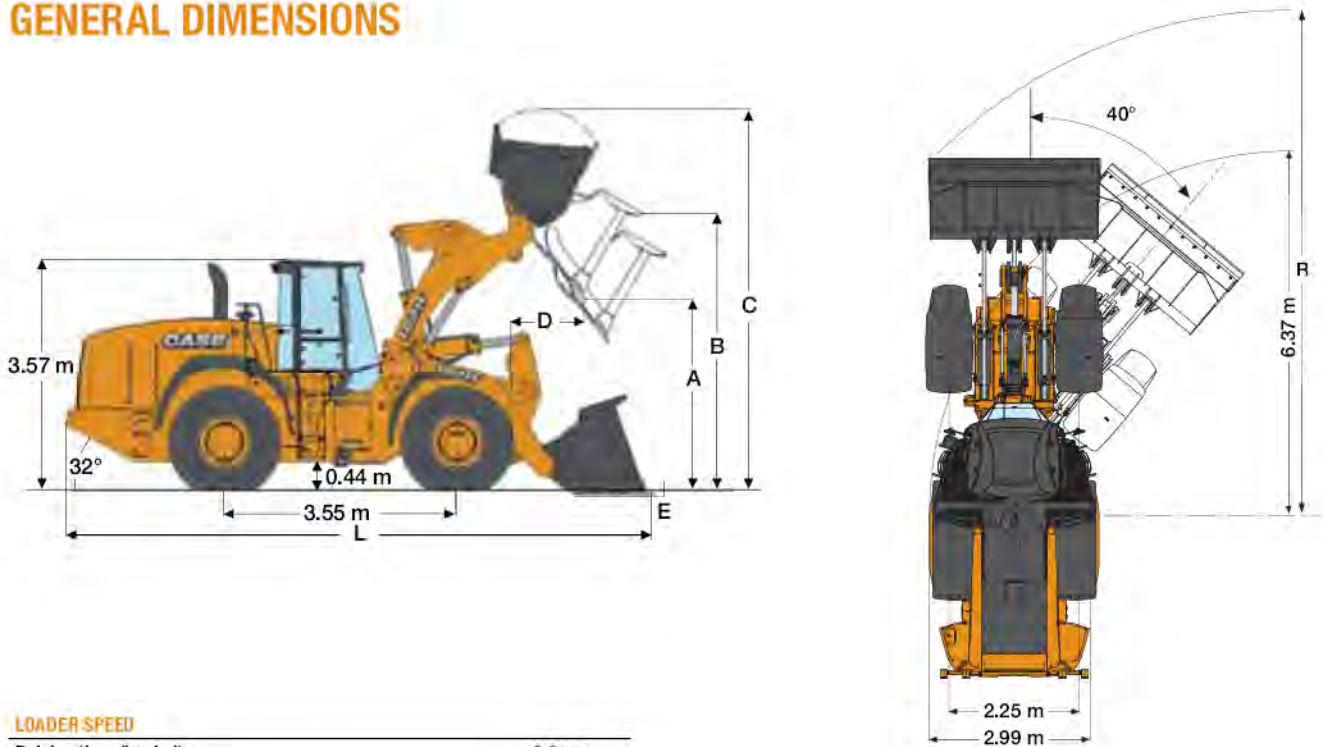




# 1021F

# SPECIFICATIONS

## GENERAL DIMENSIONS



### LOADER SPEED

Raising time (loaded)	6.2 sec
Dump time (loaded)	1.3 sec
Lowering time (empty, power down)	2.8 sec
Lowering time (empty, float down)	2.6 sec

### 1021F

	Z-BAR				LONG REACH				
	4.4 m <sup>3</sup> FLAT BOTTOM BUCKET*		4.2 m <sup>3</sup> BUCKET		4.4 m <sup>3</sup> FLAT BOTTOM BUCKET*		4.2 m <sup>3</sup> BUCKET		
	edge	teeth	edge	teeth	edge	teeth	edge	teeth	
Bucket with bolt on:									
Bucket volume (heaped)	m <sup>3</sup>	4.40	4.23	4.20	4.06	4.40	4.23	4.20	4.06
Bucket Payload (SAE)	ton	7.9	8.0	7.9	8.0	6.6	6.8	6.7	6.8
Maximum material density (SAE)	ton/m <sup>3</sup>	1.8	1.9	1.9	2.0	1.5	1.6	1.6	1.7
Bucket outside width	m	2.98	2.98	3.20	3.20	2.98	2.98	3.20	3.20
Bucket weight	kg	2480	2321	2286	2268	2480	2321	2286	2268
Tipping load - straight (SAE)	kg	18857	19219	19046	19193	15943	16267	16178	16298
Tipping load - Articulated at 40° (SAE)	kg	15682	16018	15876	16002	13229	13530	13454	13556
Breakout force	kg	19092	20963	20456	21922	19282	21170	17362	17401
Lift capacity from ground	kg	23000	23479	23413	23659	18497	18888	12616	12612
A - Dump height at 45° at full height	m	3.02	2.92	3.08	2.96	3.6	3.5	3.66	3.54
B - Hinge pin height	m	4.24	4.24	4.24	4.24	4.82	4.82	4.83	4.83
C - Overall height	m	5.94	5.94	5.80	5.80	6.52	6.52	6.38	6.38
D - Bucket reach at full height	m	1.33	1.45	1.27	1.4	1.34	1.46	1.28	1.41
E - Dig depth	cm	13	13	13	13	13	13	13	13
L - Overall length with bucket on the ground	m	8.98	9.13	8.89	9.07	9.50	9.65	9.41	9.59
Overall length without bucket	m	6.91	6.91	6.91	6.91	7.37	7.37	7.37	7.37
R - Turning radius to front corner of the bucket	m	7.0	7.1	7.1	7.1	7.3	7.3	7.3	7.4
Bucket rollback in carry position	°	49°	49°	49°	49°	48°	48°	48°	48°
Dump angle at full height	°	53°	53°	53°	53°	50°	50°	50°	50°
Machine operating weight	kg	24593	24434	24399	24381	25882	25723	25688	25670

Note: bucket specification can slightly differ according to plant source. More bucket choice is available, please contact your local dealer.  
\*4.4m<sup>3</sup> flat bottom bucket is available only from Lecce (IT) plant.



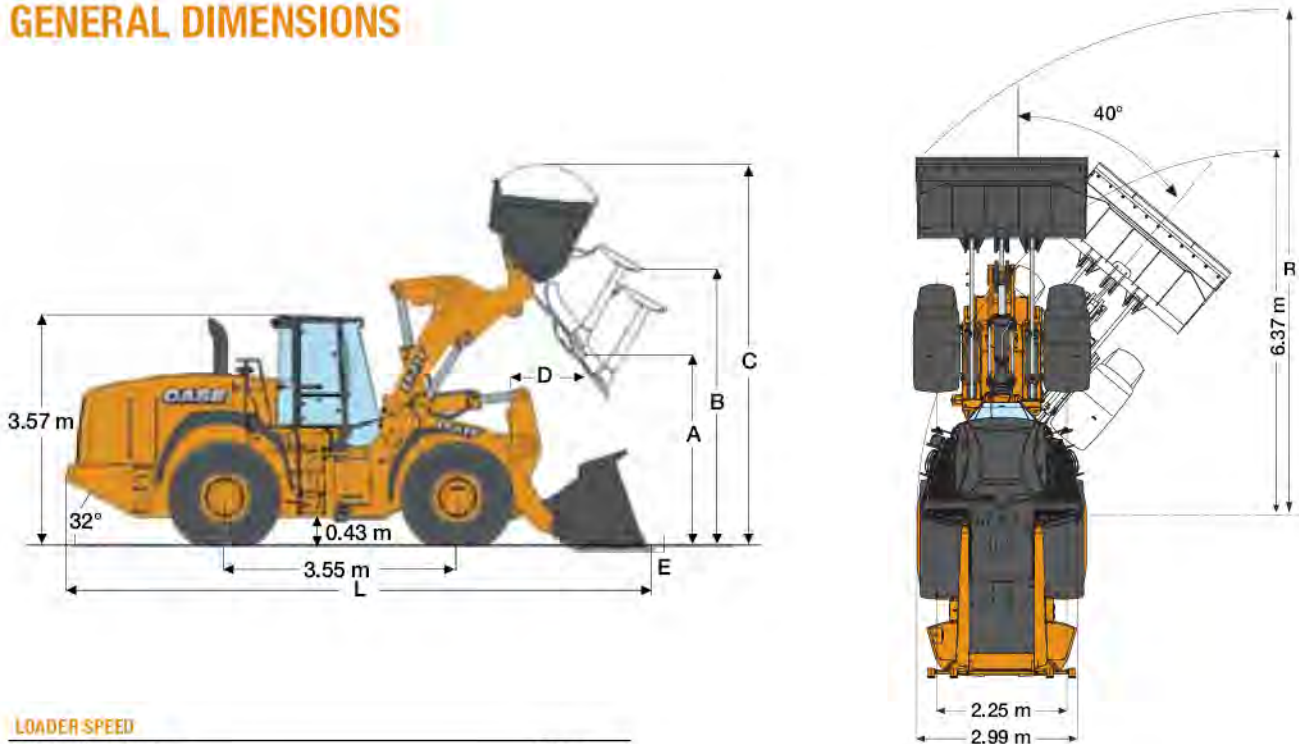
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# 1121F

# SPECIFICATIONS

## GENERAL DIMENSIONS



### LOADER SPEED

Raising time (loaded)	6.5 sec
Dump time (loaded)	1.4 sec
Lowering time (empty, power down)	2.8 sec
Lowering time (empty, float down)	2.6 sec

1121F	5 m³ FLAT BOTTOM BUCKET*		Z-BAR		4.0 m³ BUCKET		5 m³ FLAT BOTTOM BUCKET*		LONG REACH		4.0 m³ BUCKET		
	edge	teeth	edge	teeth	edge	teeth	edge	teeth	edge	teeth	edge	teeth	
Bucket with bolt on:													
Bucket volume (heaped)	m³	5.0	4.8	4.8	4.6	4.0	3.9	5.0	4.8	4.8	4.6	4.0	3.9
Bucket Payload (SAE)	ton	8.7	8.9	8.9	8.9	9.0	9.0	7.6	7.8	7.8	7.8	7.9	7.9
Maximum material density (SAE)	ton/m³	1.8	1.9	1.9	1.9	2.2	2.2	1.5	1.6	1.6	1.7	2.0	2.1
Bucket outside width	m	3.18	3.18	3.20	3.20	3.20	3.20	3.18	3.18	3.20	3.20	3.20	3.20
Bucket weight	kg	2643	2469	2414	2397	2239	2221	2643	2469	2414	2397	2239	2221
Tipping load - straight (SAE)	kg	20735	21123	20949	21099	21150	21310	18100	18456	18319	18449	18596	18732
Tipping load - Articulated at 40° (SAE)	kg	17495	18857	17713	17843	17923	18062	15286	15620	15506	15616	15765	15881
Breakout force	kg	24269	24443	22661	24151	25542	27431	24508	24682	22883	24387	25790	27698
Lift capacity from ground	kg	25502	25984	25732	25970	26363	26620	21368	21782	21598	21783	22150	22350
A Dump height at 45° at full height	m	3.09	3.09	3.20	3.09	3.30	3.18	3.51	3.51	3.62	3.5	3.72	3.60
B Hinge pin height	m	4.44	4.44	4.44	4.44	4.44	4.44	4.86	4.86	4.86	4.86	4.86	4.86
C Overall height	m	6.20	6.20	6.12	6.12	5.96	5.96	6.62	6.62	6.54	6.54	6.38	6.38
D Bucket reach at full height	m	1.4	1.4	1.27	1.41	1.16	1.30	1.45	1.45	1.32	1.45	1.20	1.34
E Dig depth	cm	12	12	12	12	12	12	12	12	12	12	12	12
L Overall length with bucket on the ground	m	9.83	9.83	9.12	9.30	8.97	9.14	9.70	9.70	9.53	9.71	9.37	9.55
Overall length without bucket	m	7.70	7.70	7.70	7.70	7.70	7.70	8.24	8.24	8.24	8.24	8.24	8.24
R Turning radius to front corner of the bucket	m	7.2	7.2	7.2	7.2	7.1	7.2	7.4	7.4	7.4	7.4	7.3	7.4
Bucket rollback in carry position	°	51°	51°	51°	51°	51°	51°	49°	49°	49°	49°	49°	49°
Dump angle at full height	°	50°	50°	50°	50°	50°	50°	50°	50°	50°	50°	50°	50°
Machine operating weight	kg	27253	27079	27024	27007	26849	26831	28017	27843	27788	27771	27613	27595

Note: bucket specification can slightly differ according to plant source. More bucket choice is available, please contact your local dealer.

\*5m³ flat bottom bucket is available only from Lecce (IT) plant.

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# BLACKHOE LOADERS

## SPECIFICATIONS

	510T	580ST	590ST	605ST
<b>ENGINE</b> Conform to 97/68/CE Tier 3 standards for reduced pollution - 4 cylinders Turbocharged 4,5 liter				
Injection system	Direct Mechanical	High pressure Common Rail	High pressure Common Rail	High pressure Common Rail
Make	CNH 445TA/ML5	CNH 445TA\EEA	CNH 445TA\EGH	CNH 445TA\EGH
Power (according to ISO 14396)	72 kW / 97 hp	72 kW / 97 hp	82 kW / 110 hp	82 kW / 110 hp
Maximum torque (according ISO 14963)	400 Nm @ 1400 1/min	453 Nm @ 1400 1/min	516 Nm @ 1400 1/min	516 Nm @ 1400 1/min
<b>TRANSMISSION</b>				
Powershuttle				
Forward speeds	6-10-21-40 Km/h	6-10-21-40 Km/h	6-10-21-40 Km/h	-
Reverse speeds	7-12-25-47 Km/h	7-12-25-47 Km/h	7-12-25-47 Km/h	-
Powershift				
Forward speeds	-	6 - 10 - 22 - 39 Km/h	6 - 10 - 22 - 39 Km/h	6 - 10 - 22 - 39 Km/h
Reverse speeds	-	7 - 12 - 26 Km/h	7 - 12 - 26 Km/h	7 - 12 - 26 Km/h
<b>HYDRAULICS</b>				
Type of pump and flow	Twin Gear Pump 151 l/min @ 2200 rpm	Variable Displ. 6 to 156 l/min @ 2200 rpm Twin Gear Pump 151 l/min @ 2200 rpm	Variable Displacement 6 to 165 l/min @ 2200 rpm	Variable Displacement 6 to 165 l/min @ 2200 rpm
Maximum pressure level	205 bars	205 bars	205 bars	205 bars
<b>BATTERY</b> 12 Volts / 12V 95Ah, 900A (SAE) / 120 A				
<b>OPERATING WEIGHT</b> In sideshift version, with the standard tooth loader bucket, 610 mm rear bucket, full fuel tank and 75 kg operator				
4 WD, standard dipper/Ext.	7950 Kg	7950 Kg	8020 Kg	8740 Kg
4 WD, extendible dipper/Ext	8050 Kg	8050 Kg	8120 Kg	8840 Kg
<b>TURNING RADIUS</b>				
Front tires 12.5/80-18, wheel not braked, 4WD engaged		4300 mm at ext. edge of front tires - 5600 mm at bucket corner		
Turning radius 4WD (external radius)	With 18" tires: 4300 mm with brakes off 3600 mm with brakes on		With 28" tires: 8180 mm in 2WS mode with brakes off 6820 mm in 2WS mode with brakes on 4810 mm in 4WS mode with brakes off	
<b>AXLES, TIRES &amp; BRAKE</b>				
Brake	Power braking: brake with friction area of 2472 cm <sup>2</sup>			
Tires	Tires must be multi-purpose, or industrial for hard terrain, or agricultural for loose terrain			
- Front tires	18" front with 26" or 28" rear	18" front with 26" or 28" rear	18" front with 26" or 28" rear	26" front with 26"
- Rear tires	20" front with 30" rear	20" front with 30" rear	20" front with 30" rear	24" front with 24"
Front axle: oscillation of +/- 11°	Differential lock	Differential lock	Differential lock	Limited-slip differential
<b>CAPACITIES</b>				
Fuel tank	145 l	145 l	145 l	145 l
Cooling system	24 l	24 l	24 l	24 l
Hydraulic oil	122 l	122 l	122 l	126 l
Gear box oil: Power Shuttle 4 WD	20.8 l	20.8 l	20.8 l	20.8 l
PowerShift: Front axle 4WD Differential	6.5 l	6.5 l	6.5 l	6.5 l
Output stage	0.7 + 0.7 l	0.8 l + 0.8 l	0.8 l + 0.8 l	0.8 l + 0.8 l
Rear axle 4WD Total	21.2 l	21.2 l	21.2 l	21.2 l
<b>EMISSIONS (g/kWh)</b>				
CO2 emission	773	790	744	744
NOx emission	4.1	4.4	3.6	3.6
HC emission	0.1	0.1	0.1	0.1
CO emission	1.8	1.8	0.9	0.9
PM emission	0.26	0.25	0.13	0.13
NOx + HCNM emission	4.2	4.5	3.7	3.7
<b>NOISE</b>				
Internal dB(A)	77			
External dB(A)	102	102	103	103
<b>VIBRATION LEVELS</b> Upper limbs 2.5 m/s <sup>2</sup> - Abdomen 0.5 m/s <sup>2</sup>				



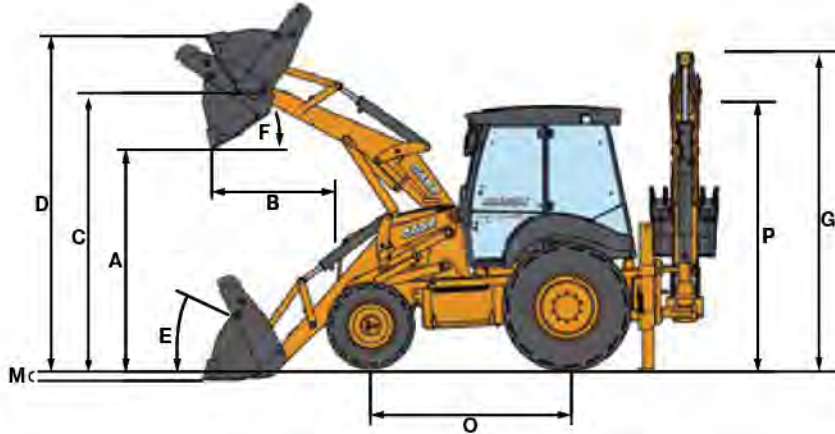
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# T-SERIES BACKHOE LOADERS



## GENERAL DIMENSIONS



LOADER	580T		580ST TOOL CARRIER	
	STRAIGHT	TOOL CARRIER		
A	Maximum dump height under bucket at 45°	2780 mm	2685 mm	2685 mm
B	Maximum reach with bucket at 45°	785 mm	830 mm	830 mm
C	Maximum height pin	3500 mm	3460 mm	3460 mm
D	Maximum bucket height	4405 mm	4250 mm	4250 mm
M	Horizontal bucket digging depth	75 mm	120 mm	120 mm
E	Bucket angle (on ground)	43°	43°	43°
F	Bucket angle (in the transport position)	46°	46°	46°
	Lift capacity (at bucket load centre of gravity)	4970 kg	4830 kg	4830 kg
	Maximum height lifting capacity	3550 kg	3450 kg	3450 kg
	Lift force (boom cylinders)	3625 daN	4050 daN	4050 daN
	Breakout force (bucket cylinders)	6340 daN	6545 daN	6545 daN

BACKHOE	EXTENDED	STD/RETRACTED	EXTENDED	STD/RETRACTED	
	Swinging angle	180°	180°	180°	180°
L	Maximum digging depth	5435 mm	4369 mm	5435 mm	4369 mm
I	Maximum reach from swing centre	6238 mm	5229 mm	6238 mm	5229 mm
	Maximum reach at rear axle	7563 mm	6554 mm	7563 mm	6554 mm
J	Maximum operating height	6789 mm	5875 mm	6789 mm	5875 mm
K	Load height	4834 mm	3923 mm	4834 mm	3923 mm
	Central offset	0.62 m	0.62 m	0.62 m	0.62 m
	Lift capacity at max outreach	1049 kg	1393/1296 kg	1049 kg	1393/1296 kg
	Breakout force (bucket)	5323 daN	5323 daN	5323 daN	5323 daN
	Breakout force (dipperstick)	2441 daN	3352 daN	2441 daN	3352 daN
R	Bucket rotation	200°/195° hyd. QC	200°/195° hyd. QC	200°/195° hyd. QC	200°/195° hyd. QC

DIMENSIONS			
G	Boom height (transport position)	3455 mm	3455 mm
	Overall length - with standard bucket	5560 mm	5560 mm
O	Wheelbase	2175 mm	2175 mm
P	Cab height	2950 mm	2950 mm
Q	Overall width - with standard bucket	2430 mm	2430 mm
	Width outside tires	2230 mm	2230 mm
S	Stabilizer leveling compensation angle	14°	14°

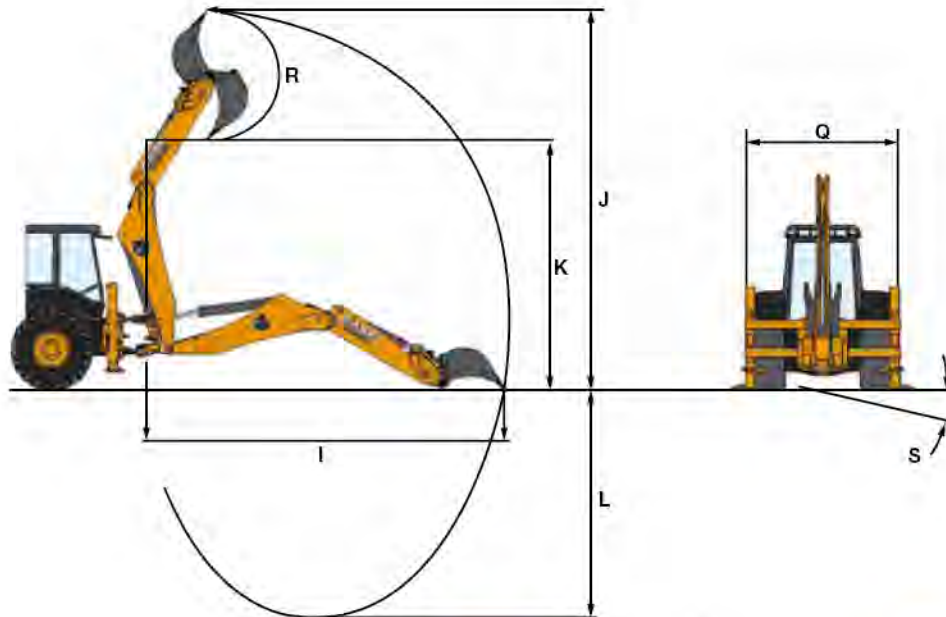
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# BLACKHOE LOADERS

## SPECIFICATIONS



LOADER	590ST TOOL CARRIER	685ST TOOL CARRIER
A Maximum dump height under bucket at 45°	2685 mm	2750 mm
B Maximum reach with bucket at 45°	830 mm	750 mm
C Maximum height pin	3460 mm	3520 mm
D Maximum bucket height	4250 mm	4350 mm
M Horizontal bucket digging depth	120 mm	85 mm
E Bucket angle (on ground)	43°	45°
F Bucket angle (in the transport position)	46°	46°
Lift capacity (at bucket load centre of gravity)	4830 kg	4770 kg
Maximum height lifting capacity	3450 kg	3550 kg
Lift force (boom cylinders)	4050 daN	7400 daN
Breakout force (bucket cylinders)	6545 daN	5520 daN

BACKHOE	EXTENDED	STD/RETRACTED	EXTENDED	STD/RETRACTED
Swinging angle	180°	180°	180°	180°
L Maximum digging depth	5887 mm	4670 mm	5810 mm	4595 mm
I Maximum reach from swing centre	6655 mm	5497 mm	6645 mm	5185 mm
Maximum reach at rear axle	7960 mm	6510 mm	7960 mm	6510 mm
J Maximum operating height	7141 mm	6111 mm	7215 mm	6192 mm
K Load height	5196 mm	4166 mm	5271 mm	4249 mm
Central offset	0.62 m	0.62 m	0.62 m	0.62 m
Lift capacity at max outreach	1097 kg	1472/1369 kg	1097 kg	1472/1369 kg
Breakout force (bucket)	6111 daN	6111 daN	6111 daN	6111 daN
Breakout force (dipperstick)	2488 daN	3482 daN	2488 daN	3482 daN
R Bucket rotation	198°/195° hyd. QC	198°/195° hyd. QC	198°/195° hyd. QC	198°/195° hyd. QC

DIMENSIONS		
G Boom height (transport position)	3682 mm	3647 mm
Overall length - with standard bucket	5560 mm	5499 mm
O Wheelbase	2175 mm	2200 mm
P Cab height	2950 mm	2900 mm
Q Overall width - with standard bucket	2430 mm	2480 mm
Width outside tires	2230 mm	-
S Stabilizer leveling compensation angle	14°	14°



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# C- SERIES HYDRAULIC EXCAVATORS

## CX210C/ CX220C

### ENGINE

Model \_\_\_\_\_ GF-4HK1X  
 Type \_\_\_\_\_ Water-cooled, 4-cycle diesel, 4-cylinder in line, electronically controlled, high pressure common rail system, variable geometry turbocharger, air cooled intercooler.  
 Number of cylinders/displacement \_\_\_\_\_ 5.19 l  
 Bore/Stroke \_\_\_\_\_ 115 x 125 mm  
 Rated flywheel horse power  
 Horsepower ISO 9249 (Net) \_\_\_\_\_ 117.3 kW at 1800 min<sup>-1</sup>  
 Horsepower ISO 14396 (Gross) \_\_\_\_\_ 122 kW at 1800 min<sup>-1</sup>  
 Maximum torque ISO 9249 (Net) \_\_\_\_\_ 608 Nm at 1600 min<sup>-1</sup>  
 Maximum torque ISO 14396 (Gross) \_\_\_\_\_ 624 Nm at 1600 min<sup>-1</sup>

### HYDRAULIC SYSTEM

Main pumps \_\_\_\_\_ 2 variable displacement axial piston pumps with regulating system  
 Max oil flow \_\_\_\_\_ 2 x 211 l/min at 1800 min<sup>-1</sup>  
 Working circuit pressure  
 Boom/Arm/Bucket circuit \_\_\_\_\_ 34.3 MPa  
 Boom/Arm/Bucket circuit (with auto power up) \_\_\_\_\_ 36.8 MPa  
 Swing circuit \_\_\_\_\_ 29.4 MPa  
 Travel circuit \_\_\_\_\_ 34.3 MPa

### SWING

Maximum swing speed \_\_\_\_\_ 11.5 min<sup>-1</sup>  
 Swing torque \_\_\_\_\_ 64,000 N-m

### FILTERS

Suction filter \_\_\_\_\_ 105 µm  
 Return filter \_\_\_\_\_ 6 µm  
 Pilot line filter \_\_\_\_\_ 8 µm

### PERFORMANCE DATA

		CX210C		CX220C	
		Arm 2.40 m	Arm 2.94 m	Arm 2.40 m	Arm 2.94 m
Boom length	mm	5700	5700	5700	5700
Bucket radius	mm	1450	1450	1450	1450
Bucket wrist action	°	177	177	177	177
A Maximum reach at GRP	mm	9240	9730	9240	9730
B Maximum reach	mm	9420	9900	9420	9900
C Max. digging depth	mm	6110	6650	6110	6650
D Max. digging height	mm	9410	9610	9410 </td <td>9610</td>	9610
E Max. dumping height	mm	6590	6810	6590	6810
Arm digging force with auto power up	kN	132	110	132	110
Bucket digging force with auto power up	kN	152	152	152	152

### WEIGHT AND GROUND PRESSURE

2.94 m arm, 0.9 m<sup>3</sup> bucket, 800mm grouser shoe, operator, lubricant, coolant and full fuel tank.

	CX210C	CX220C
<b>OPERATING MASS</b>		
Cambodia, Laos, Indonesia, Philippines, Malaysia*	21,500 Kg	21,900 Kg
Myanmar, Thailand	21,200 Kg	21,700 Kg
Malaysia	21,400 Kg	-
<b>GROUND PRESSURE</b>	0.036 MPa	0.047 MPa

\* CX220C only

### TRAVEL

Travel motor \_\_\_\_\_ Variable displacement axial piston motor (Automatic travel speed shifting)  
 Max travel speed \_\_\_\_\_ 5.6 km/h  
 Low travel speed \_\_\_\_\_ 3.4 km/h  
 Gradeability \_\_\_\_\_ 70% (35°)  
 Drawbar pull \_\_\_\_\_ 188 kN

### ELECTRICAL SYSTEM

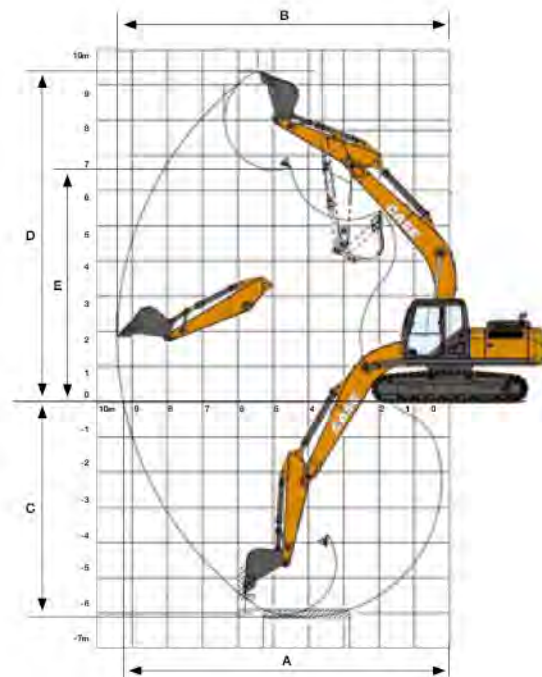
Circuit \_\_\_\_\_ 24V  
 Alternator \_\_\_\_\_ 50 Amp  
 Starter motor \_\_\_\_\_ 5.0 kW  
 Batteries  
 Indonesia, Malaysia, Philippines \_\_\_\_\_ 2x12V 88 Ah/5HR  
 Indonesia, Malaysia, Philippines \_\_\_\_\_ 2x12V 92 Ah/5HR

### UNDERCARRIAGE

Number of carriers rollers (each side) \_\_\_\_\_ 2  
 Number of track rollers (each side) \_\_\_\_\_ 7  
 Number of shoes (each side) \_\_\_\_\_ 46  
 Type of shoe \_\_\_\_\_ Triple grouser shoe

### CAPACITIES

Fuel tank \_\_\_\_\_ 410 lt  
 Hydraulic system \_\_\_\_\_ 240 l  
 Cooling system \_\_\_\_\_ 29.8 l  
 Engine Crank Case \_\_\_\_\_ 23.1 l

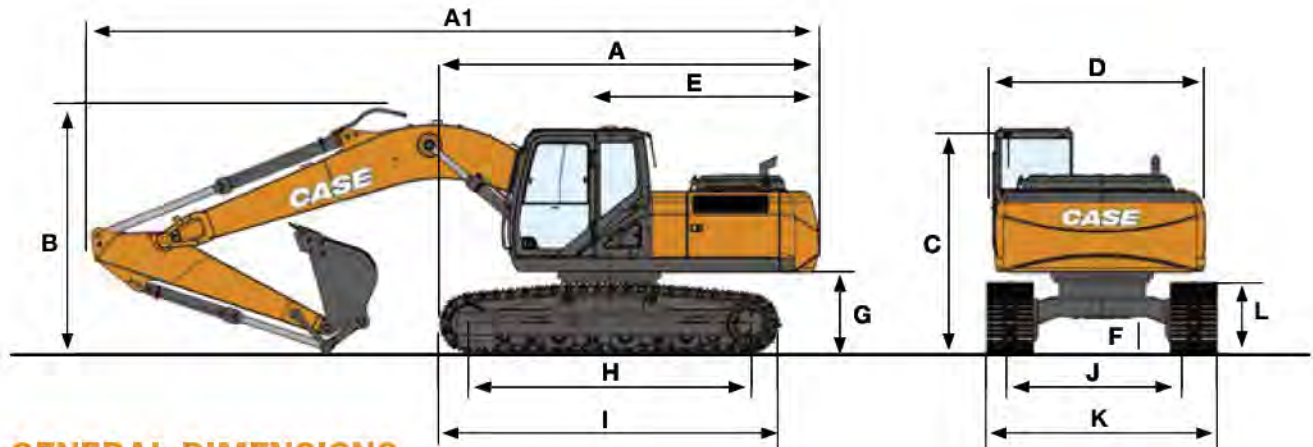


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# GENERAL DIMENSIONS AND LIFTING CAPACITY



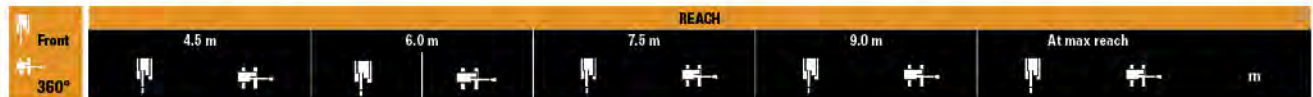
## GENERAL DIMENSIONS

		CX210C		CX220C		
		Arm 2.40 m	Arm 2.94 m	Arm 2.40 m	Arm 2.94 m	
A	Overall length (without attachment)	mm	4810	4810	4950	4950
A1	Overall length (with attachment)	mm	9480	9400	9480	9400
B	Overall height (with attachment)	mm	3190	2970	3190	2970
C	Cab height	mm	2950	2950	2950	2950
D	Upper structure overall width	mm	2770	2770	2770	2770
E	Swing (rear end radius)	mm	2750	2750	2750	2750
G	Clearance height under upper structure	mm	1040	1040	1040	1040
F	Minimum ground clearance	mm	440	440	440	440
H	Wheel base (Center to center of wheels)	mm	3370	3370	3660	3660
I	Crawler overall length	mm	4180	4180	4470	4470
L	Crawler tracks height	mm	920	920	920	920
J	Track gauge	mm	2200	2200	2390	2390
K	Undercarriage overall width (with 800 mm shoes)	mm	3000	3000	3190	3190



CX210C - Standard arm 2.40 m, 800 mm shoes, 0.80 BUCKET (650 kg)

REACH	4.5 m	6.0 m	7.5 m	At max reach
7.5 m		4310*	4310*	3860*
6.0 m		4570*	4500*	3560*
4.5 m	6890*	6720*	5390*	3480*
3.0 m		6220*	4030	3340
1.5 m		5950	3770	3250
0 m		5790	3630	3360
-1.5 m	5580*	5580*	5760	3750
-3.0 m	8390*	5750*	5840	4680



CX210C - Standard arm 2.94 m, 800 mm shoes, 0.80 BUCKET (650 kg)

REACH	4.5 m	6.0 m	7.5 m	9.0 m	At max reach
7.5 m			4000*	3080	2500*
6.0 m			4360*	2970	2340*
4.5 m	5970*	5970*	4870*	4410	2300*
3.0 m	8300*	6310	5940*	4080	2360*
1.5 m	7180*	5730	5960	3780	2520*
0 m	5850*	5530	5750	3590	2800*
-1.5 m	6690*	5510	5680	3520	3270*
-3.0 m	8410*	5600	5720	3560	4010



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# LIFTING CAPACITY

Front 360°	REACH				m
	4.5 m	6.0 m	7.5 m	At max reach	

## CX220C - Standard arm 2.40 m, 800 mm shoes, 0.8Q BUCKET (650 kg)

7.5 m		4250*	4250*			3840*	3840*	6,72
6.0 m		4510*	4510*	4430*	3340	3540*	3090	7,75
4.5 m	6810*	6810*	5310*	4790	4680*	3260	2620	8,4
3.0 m			6310*	4460	4920	3110	3540*	8,73
1.5 m			6790	4190	4760	2970	3690	8,77
0 m			6620	4040	4660	2870	3820	8,52
-1.5 m	5580*	5580*	6590	4010	4640	2860	4270	7,94
-3.0 m	8390*	6450	6510*	4100			5220*	6,95

Front 360°	REACH					m
	4.5 m	6.0 m	7.5 m	9.0 m	At max reach	

## CX220C - Standard arm 2.94 m, 800 mm shoes, 0.8Q BUCKET (650 kg)

7.5 m							2500*	2500*	7,34		
6.0 m						4000*	3450	2340*	2340*	8,3	
4.5 m	5970*	5970*	4870*	4810*		4360*	3340	2300*	2300*	8,9	
3.0 m	8300*	7120	5940*	4580	3420*	2270	4890*	3180	2360*	2170	9,22
1.5 m	7180*	6520	6820*	4270	3560	2200	4810	3010	2520*	2090	9,25
0 m	5850*	5850*	6670	4080	2900*	2150	4680	2890	2800*	2140	9,01
-1.5 m	6690*	6290	6590	4010			4630	2850	3270*	2360	8,48
-3.0 m	8410*	6380	6640	4050			4690	2910	4130*	2870	7,57
-4.5 m	7150*	6620	5080*	4260					4920*	4160	6,1

## STANDARD AND OPTIONAL

### STANDARD EQUIPMENT

#### ENGINE

Std configuration for temperatures -25° +50° c  
 Turbocharger with air cooled intercooler  
 Double element air cleaner  
 Pre fuel filter  
 Fuel filter w/ water separator  
 Automatic/manual engine return to idle  
 Neutral safety start  
 Emergency stop  
 Warm up mode  
 Dial type throttle control  
 Glow-plug pre-heat  
 Tropical package  
**HYDRAULIC SYSTEM**  
 2 variable flow piston pumps  
 Auto/heavy/super power working modes  
 Auto power boost  
 Swing priority (swing+arm)  
 Travel speed change  
 Selectable working modes  
 Pre-set auxiliary pump settings

Iso pattern controls  
 Arm and boom regeneration  
 Straight travel valve  
 100% return oil filtration  
**CAB AND OPERATOR COMPARTMENT**  
 Pre-disposal for the optional cab protection  
 Pressurized cab ac/heat/defrost w/ auto climate control  
 Tilting consoles - 4-position  
 Low-effort controls (short) length to be removed  
 Sliding cockpit  
 Mechanical suspended seat  
 Arm rest  
 Color lcd monitor display  
 Auxiliary select system  
 Aux-in port for personal electronics (12v)  
 Rubber floor mat  
 One-piece right hand window  
 Windshield wiper / washer  
 Storage compartments  
 On-board diagnostic system  
 Standard handrails

Sliding front window - storable  
 Anti-theft device  
 Cool box  
 Cab top lights  
 High band am/fm radio  
 Rh front console w/ clock and cell phone holder  
 Rear mirror (mounted on cab)  
 Rear mirror (mounted on tool box)  
**EQUIPMENT AND UNDERCARRIAGE**  
 5,70 meter boom  
 Boom mounted work light (70 watt)  
 Bucket linkage  
 Centralized lube bank  
 Attachment cushion valve  
 Tool box  
 Ems (extended maintenance system) pins and bushings as standard  
 Sealed and lubricated tracks  
 Lower under cover

### OPTIONAL EQUIPMENT

#### CAB AND OPERATOR COMPARTMENT

Rops/fops protection  
 Iron roof window  
 Sun visor & rain deflector  
 Sun shade  
 Case telematics

#### EQUIPMENT AND UNDERCARRIAGE

Arm 1.90m  
 Arm 2.40m  
 Arm 2.94m

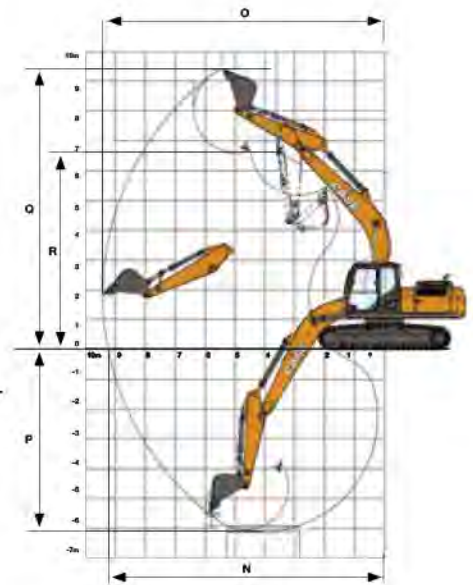
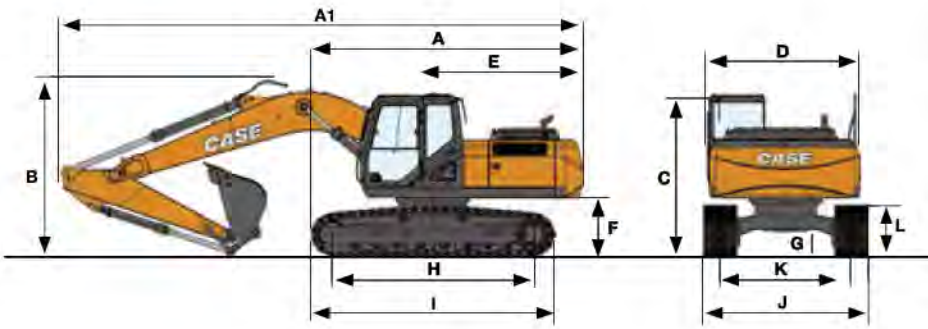
Hd bucket linkage w hook  
 Arm and boom hose burst check valves  
 600mm triple grouser steel shoes  
 700mm triple grouser steel shoes  
 800mm triple grouser steel shoes  
 Single track guide  
 Triple track guide  
 Auxiliary single acting circuit  
 Auxiliary single or double acting circuit  
 Auxiliary double acting circuit

Hose burst control valve on boom & arm cylinder with over load warning device  
 Refuel pump  
 Upper front screen (mesh type)  
 Front grill (bar, opg1)  
 Front grill (bar, opg2)  
 Air-pre cleaner - cup type  
 Air-pre cleaner - cyclone type

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## DIMENSIONS

### GENERAL DIMENSIONS

### CX300C

A	Overall length (with attachment)	mm	10450
B	Overall height (to top of boom)	mm	3260
C	Cab height	mm	3090
D	Upper structure overall width	mm	2890
E	Clearance height under upper structure	mm	1180
F	Minimum ground clearance	mm	470
G	Wheel base (Center to center of wheels)	mm	3980
H	Crawler overall length	mm	4850
I	Track gauge	mm	2600
J	Undercarriage overall width (with 700mm shoes)	mm	3300
K	Crawler tracks height	mm	1040
L	Swing (rear end radius)	mm	3160
M	Overall length (without attachment)	mm	5580

### PERFORMANCE DATA

### HD Arm 3.18 m

	Boom length	mm	6150
	Bucket radius	mm	1570
	Bucket wrist action	°	176
N	Maximum reach at GRP	mm	10500
O	Maximum reach	mm	10670
P	Max. digging depth	mm	7100
Q	Max. digging height	mm	10060
R	Max. dumping height	mm	7090

### DIGGING FORCE (ISO 6015)

### HD Arm 3.18 m

With 1.3 m <sup>3</sup> Bucket, 700mm shoes			
	Arm digging force	kN	121.6
	with Auto power boost	kN	132.4
	Bucket digging force	kN	174.6
	with Auto power boost	kN	190.2

### WEIGHT AND GROUND PRESSURE

With 3.18 m arm, 1.3 m<sup>3</sup> bucket (1080 kg), 700 mm grouser shoes, operator, lubricant, coolant and full fuel tank.

	Weight	Ground pressure
CX300C LC	29900 kg	0.057 MPa



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# LIFTING CAPACITY



Front 360°	REACH						m
	0 m	2.0 m	4.0 m	6.0 m	8.0 m	At max reach	

CX300C 3.18 HD arm, 700G shoes, max reach 9.10 m

8.0 m										5670*	5670*	6,73		
6.0 m								5890*	5130	5290*	4990	8,12		
4.0 m				13140*	13140*	9470*	7800	7510	4990	5330*	4210	8,86		
2.0 m				14920*	12960	11190*	7220	7250	4760	5700*	3910	9,1		
0 m				12840*	12270	10860	6810	7050	4570	6050	3940	8,89		
-2.0 m				9220*	9220*	17870*	12230	10700	6670	7000	4520	6770	4390	8,19
-4.0 m				17510*	17510*	14640*	12520	10050*	6810			8240	5710	6,86



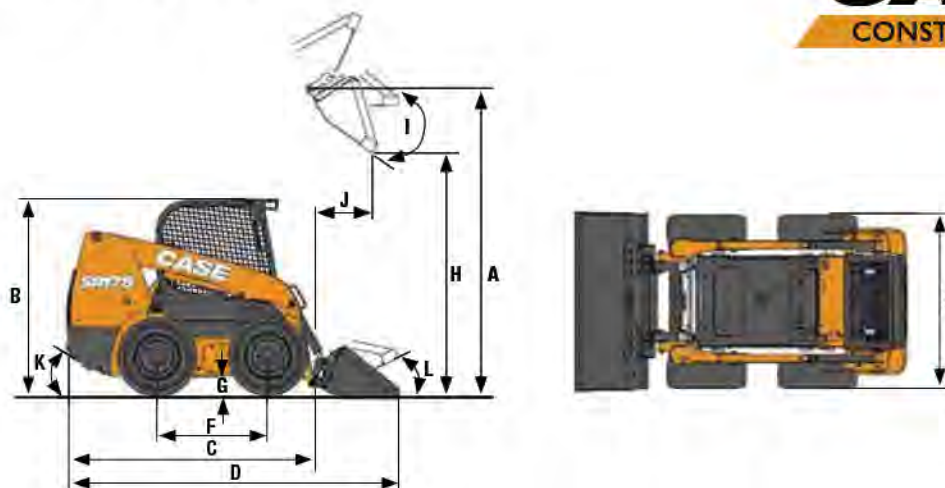
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# SKID STEER LOADERS

**CASE**  
CONSTRUCTION



## GENERAL DIMENSIONS

	SR130	SR150	SR175	SV185	SR200
A - Height to Bucket Hinge Pin	2.845 mm	2.845 mm	3.099 mm	3.048 mm	3.124 mm
B - Height to Top of ROPS	1.919 mm	1.919 mm	1.974 mm	1.974 mm	1.998 mm
C - Length without attachment	2.435 mm	2.435 mm	2.685 mm	2.710 mm	2.669 mm
D - Length with bucket *	3.028 mm	3.028 mm	3.305 mm	3.345 mm	3.292 mm
E - Overall Width	1.518 mm	1.518 mm	1.678 mm	1.678 mm	1.755 mm
F - Wheelbase	941 mm	941 mm	1.128 mm	1.128 mm	1.128 mm
G - Ground Clearance	178 mm	178 mm	178 mm	178 mm	203 mm
H - Dump height *	2.246 mm	2.246 mm	2.470 mm	2.377 mm	2.495 mm
I - Dump Angle	40°	40°	40°	52°	40°
J - Dump Reach @ Max Height	469 mm	469 mm	542 mm	783 mm	517 mm
K - Angle of Departure	22°	22°	23°	23°	25°
L - Rollback Angle (Bucket on Ground)	26°	26°	32°	35°	31°

\* With D&F Bucket

## SPECIFICATIONS

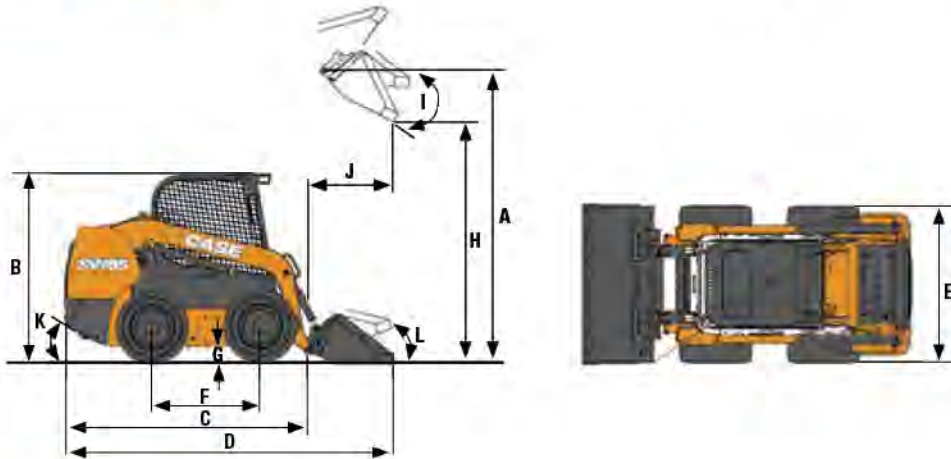
	SR130	SR150	SR175	SV185	SR200
<b>PERFORMANCE SPECS</b>					
Rated Operating Capacity 50%	590 kg	680 kg	790 kg	840 kg	905 kg
ROC with counterweights 50%	635 kg	725 kg	835 kg	885 kg	950 kg
Tipping Load	1.179 kg	1.361 kg	1.588 kg	1.678 kg	1.814 kg
Lift Cylinder Breakout Force*	19 kN	14 kN	17 kN	15,3 kN	20,3 kN
Bucket Cylinder Breakout Force*	18,5 kN	18,6 kN	32,3 kN	24,7 kN	32,3 kN
<b>ENGINE</b>					
Engine Brand	ISM	ISM	ISM	ISM	FPT
Displacement	2,2 l	2,2 l	2,2 l	2,2 l	3,2 l
Horsepower	49 hp @ 2.800 rpm	60 hp @ 2.800 rpm	60 hp @ 2.800 rpm	60 hp @ 2.800 rpm	74 hp @ 2.500rpm
Peak torque	143 Nm @1.800 rpm	171 Nm @ 1.800 rpm	171 Nm @ 1.800 rpm	171 Nm @ 1.800 rpm	275 Nm @ 1.400 rpm
<b>TRAVEL SPEED</b>					
Low Range	12,7 km/h	12,7 km/h	12,7 km/h	12,7 km/h	10,9 km/h
High Range (Optional)	NA	NA	18 km/h	18 km/h	15,9 km/h
<b>HYDRAULIC SYSTEM</b>					
Pump flow	59 LPM	59 LPM	72 LPM	72 LPM	85 LPM
Optional high flow	N/A	N/A	109 LPM	109 LPM	117 LPM
<b>WEIGHTS</b>					
Operating Weight	2.300 kg	2.430 kg	2.842 kg	2.980 kg	3.160 kg
Shipping Weight	2.160 kg	2.300 kg	2.705 kg	2.840 kg	3.025 kg
<b>SERVICE CAPACITY</b>					
Fuel Tank	60,5 l	60,5 l	75,5 l	75,5 l	75,5 l

\* Breakout forces estimated considering both tip and hydraulic limits



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## GENERAL DIMENSIONS

	SR220	SV250	SR250	SV300
A - Height to Bucket Hinge Pin	3.175 mm	3.302 mm	3.175 mm	3.302 mm
B - Height to Top of ROPS	2.002 mm	2.002 mm	2.002 mm	2.002 mm
C - Length without attachment	2.981 mm	2.990 mm	2.981 mm	2.990 mm
D - Length with bucket *	3.611 mm	3.604 mm	3.611 mm	3.604 mm
E - Overall Width	1.768 mm	1.768 mm	1.768 mm	1.768 mm
F - Wheelbase	1.322 mm	1.322 mm	1.322 mm	1.322 mm
G - Ground Clearance	203 mm	203 mm	203 mm	203 mm
H - Dump height *	2.558 mm	2.615 mm	2.558 mm	2.615 mm
I - Dump Angle	38°	54°	38°	54°
J - Dump Reach @ Max Height	495 mm	744 mm	575 mm	744 mm
K - Angle of Departure	24°	24°	24°	24°
L - Rollback Angle (Bucket on Ground)	31°	35°	31°	35°

\*With D&F Bucket

## SPECIFICATIONS

	SR220	SV250	SR250	SV300
<b>PERFORMANCE SPECS</b>				
Rated Operating Capacity 50%	1.000 kg	1.135 kg	1.135 kg	1.360 kg
ROC with counterweights 50%	1.090 kg	1.225 kg	1.225 kg	1.450 kg
Tipping Load	1.996 kg	2.268 kg	2.268 kg	2.722 kg
Lift Cylinder Breakout Force*	24,4 kN	21,4 kN	25,3 kN	24,9 kN
Bucket Cylinder Breakout Force*	38,7 kN	33,7 kN	33,3 kN	33,7 kN
<b>ENGINE</b>				
Engine Brand	FPT	FPT	FPT	FPT
Displacement	3,2 l	3,2 l	3,2 l	3,2 l
Horsepower	82 hp @ 2.500 rpm	82 hp @ 2.500 rpm	90 hp @ 2.500 rpm	90 hp @ 2.500 rpm
Peak torque	305 Nm @ 1.400 rpm	305 Nm @ 1.400 rpm	340 Nm @ 1.400 rpm	340 Nm @ 1.400 rpm
<b>TRAVEL SPEED</b>				
Low Range	11,3 km/h	11,3 km/h	11,3 km/h	12,4 km/h
High Range (Optional)	16,9 km/h	16,9 km/h	16,9 km/h	18,5 km/h
<b>HYDRAULIC SYSTEM</b>				
Pump flow	85 LPM	85 LPM	85 LPM	85 LPM
Optional high flow	131 LPM	131 LPM	131 LPM	131 LPM
<b>WEIGHTS</b>				
Operating Weight	3.350 kg	3.630 kg	3.490 kg	3.765 kg
Shipping Weight	3.200 kg	3.475 kg	3.340 kg	3.610 kg
<b>SERVICE CAPACITY</b>				
Fuel Tank	96,5 l	96,5 l	96,5 l	96,5 l

\* Breakout forces estimated considering both tip and hydraulic limits





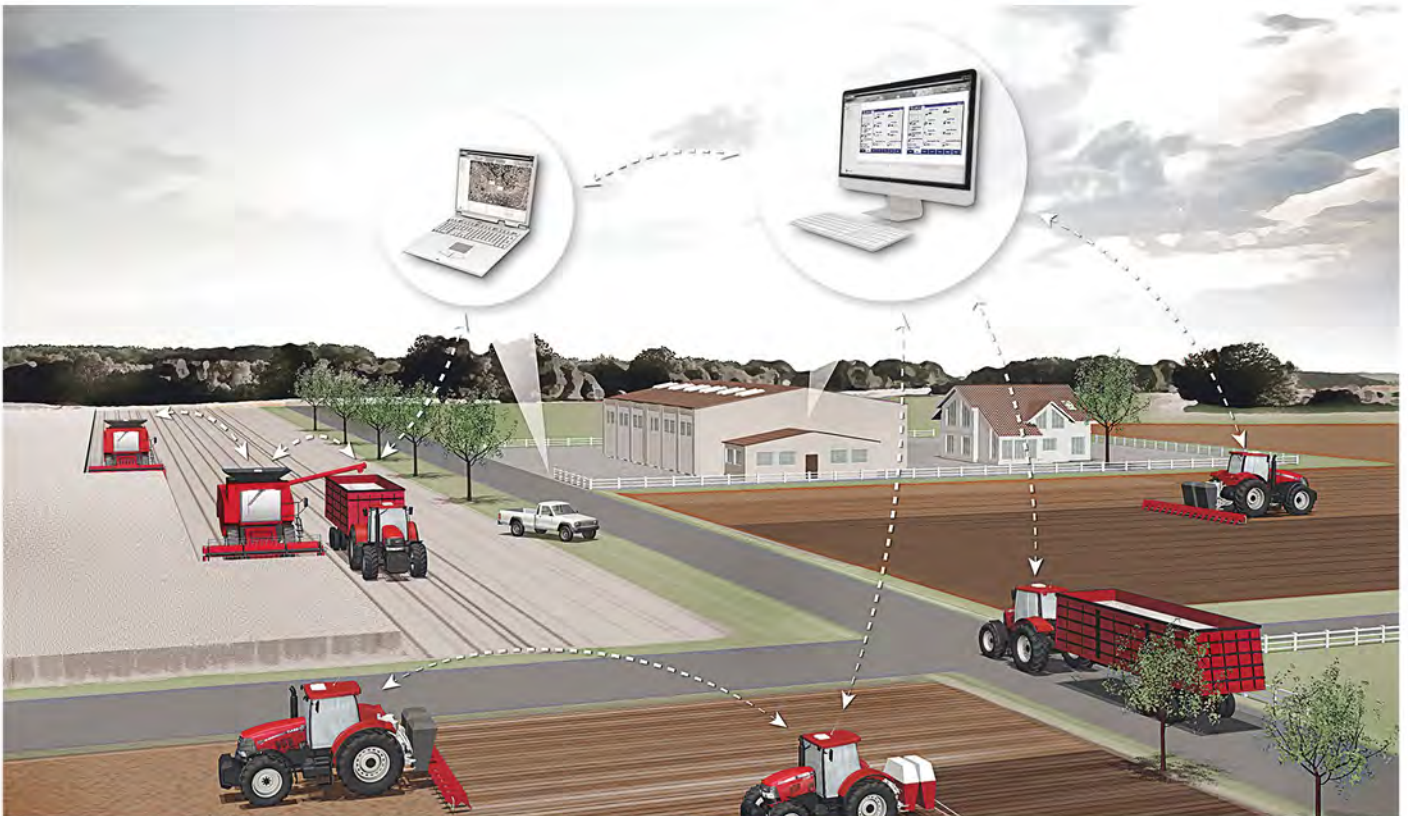
## VKB Precision Farming

VKB has a dedicated team of 12 specialist and placed across the VKB network to support and install our range for precision farming products. With our parts division also equipped with the needed parts and correction signals to offer our clients quick and accurate service.



### AFS Connect™

AFS Connect™ lets you remotely monitor and manage your farm, fleet and data, allowing you to optimise your performance, productivity and flexibility. Efficiently visualise your equipment with little to no idle time. With all the information at your fingertips, you can successfully manage your operations anytime, anywhere!



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## 2023 TRIMBLE RTX CORRECTION SERVICES FOR AGRICULTURE

Investing in the right correction services delivers greater profits for your farm.

Your precision agriculture equipment will operate more accurately with real-time GNSS corrections from Trimble, maximizing efficiency. Subscriptions are available in a range of accuracies from broadcast 30 cm pass to pass accuracy, down to 2.5 cm RTK level accuracy.

## CORRECTION SERVICES PORTFOLIO AND COMPATIBLE DEVICES

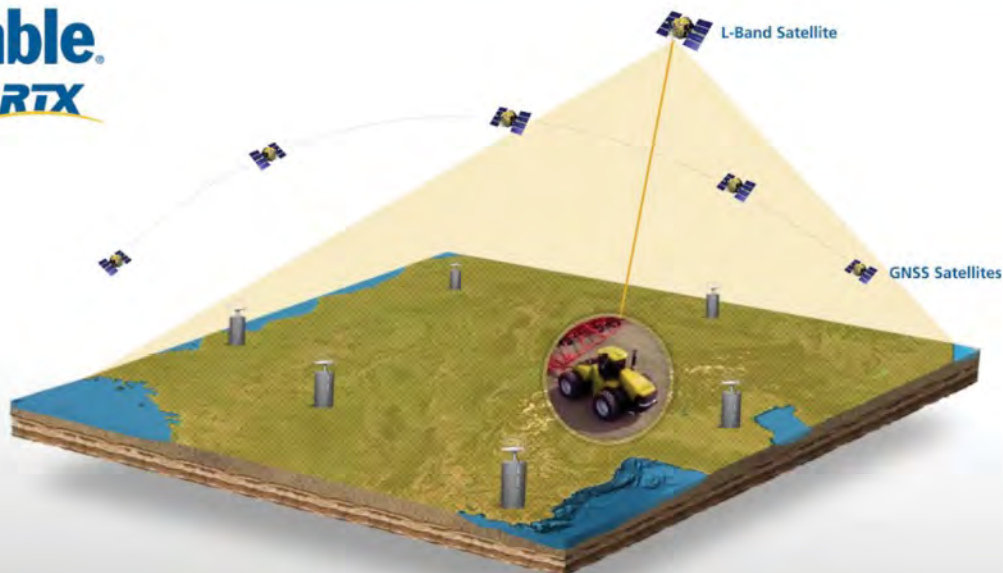
	CenterPoint® RTX Standard	RangePoint® RTX	ViewPoint® RTX**
REPEATABLE HORIZONTAL ACCURACY	< 2.5 cm	< 15 cm pass-to-pass	< 30 cm pass-to-pass
CONVERGENCE TIME	< 5 min	< 5 min	< 5 min
DELIVERY	Satellite / IP	Satellite	Satellite
GNSS	GPS, GLONASS, Galileo, BeiDou, QZSS	GPS, GLONASS, Galileo, BeiDou, QZSS	GPS, GLONASS, Galileo, BeiDou, QZSS

93% performance based on repeatable in-field measurements. Achievable accuracy and initialization time may vary based on type and capability of receiver and antenna, user's geographic location and atmospheric activity, scintillation levels, GNSS constellation health and availability and level of multipath including obstructions such as large trees and buildings.

### Compatible Devices & Required Accuracy License

Receiver	CenterPoint® RTX Standard	RangePoint® RTX	ViewPoint® RTX**
NAV-900	-	-	No Accuracy License
NAV-900	Intermediate Accuracy License	No Accuracy License	-
FMX, CFX-750, TMX-2050, AG-382, AG-482, AG-372	Intermediate Accuracy License	No Accuracy License	-
AG-392	Intermediate Accuracy License	No Accuracy License	-

New NAV-900 purchases include 1 year of CenterPoint RTX Standard on base. Out of The Box - NAV-900 purchased after 31st of October 2022.

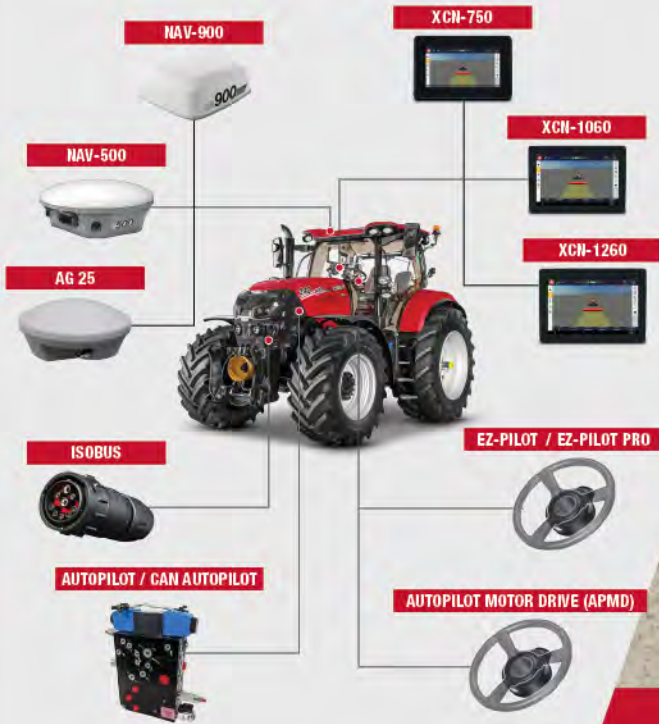


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# XCN DISPLAY TECHNOLOGY



XCN-750	XCN-1060	XCN-1260
<ul style="list-style-type: none"> <li>• 17.8 CM TOUCHSCREEN</li> <li>• GPS, GLONASS AND GALILEO</li> <li>• EGNOS, RANGEPOINT RTX, CENTERPOINT RTX AND AFS™ RTK+</li> <li>• PRECISION-IQ USER INTERFACE</li> <li>• EZ-STEER, EZ-PILOT, EZ-PILOT PRO, APMD AND AUTOPILOT/ CAN-AUTOPILOT</li> <li>• ISOBUS AND TASK CONTROLLER</li> <li>• WIFI CONNECTIVITY</li> </ul>	<ul style="list-style-type: none"> <li>• 25.4 CM TOUCHSCREEN</li> <li>• GPS, GLONASS AND GALILEO</li> <li>• EGNOS, RANGEPOINT RTX, CENTERPOINT RTX AND AFS™ RTK+</li> <li>• PRECISION-IQ USER INTERFACE</li> <li>• EZ-STEER, EZ-PILOT, EZ-PILOT PRO, APMD AND AUTOPILOT/ CAN-AUTOPILOT</li> <li>• ISOBUS AND TASK CONTROLLER</li> <li>• WIFI CONNECTIVITY</li> </ul>	<ul style="list-style-type: none"> <li>• 30.73 CM TOUCHSCREEN</li> <li>• GPS, GLONASS AND GALILEO</li> <li>• EGNOS, RANGEPOINT RTX, CENTERPOINT RTX AND AFS™ RTK+</li> <li>• PRECISION-IQ USER INTERFACE</li> <li>• EZ-STEER, EZ-PILOT AND APMD, AUTOPILOT/ CAN-AUTOPILOT</li> <li>• ISOBUS AND TASK CONTROLLER</li> <li>• IMPLEMENT CONTROL (E.G. SIDE SHIFT FRAME)</li> </ul>

	1.5 cm AFS™ RTK+	5 - 10 cm PPP*	20 cm EGNOS
YIELD MAPPING	✓	✓	✓
HARVESTING	✓	✓	✓
VRA SPREADING	✓	✓	✓
VRA SPRAYING	✓	✓	✓
TILLAGE	✓	✓	✓
AUTOMATED STEERING	✓	✓	-
CORN HARVEST	✓	✓	-
SPRAYING WITH SECTION CONTROL	✓	✓	-
SPREADING WITH SECTION CONTROL	✓	✓	-
PRECISION SEEDING	✓	-	-
STRIP TILLAGE	✓	-	-
CONTROLLED TRAFFIC FARMING	✓	-	-
FIELD LEVELLING	✓	-	-
DRAINAGE	✓	-	-
IN-CROP WEEDING	✓	-	-

\* Precise Point Positioning services

**AFS™ RTK+**  
BENEFIT FROM THE LARGEST RTK-NETWORK IN THE WORLD

# XCN STEERING SYSTEM TECHNOLOGY

**EZ-PILOT PRO/APMD**

- OVERALL HEIGHT 10 CM AND FLAT STEERING WHEEL. Good integration on the steering column.
- INDUCTIVE ELECTRIC ENGINE. Silent and smoothly working.
- CHANGEABLE BETWEEN MACHINERY. High flexibility and profitability due to a maximum range of applications.
- SPEED RANGE 0.35 TO 29 KM/H.
- ENGAGE WHEN STATIC. Check your implement, get back in, engage and drive.
- FORWARD AND BACKWARD DRIVING. Position your machine optimally on small headlands for engaging the next line perfectly.

**AUTOPILOT/ CAN AUTOPILOT**

- SPEED RANGE 35 TO 30 KM/H. From planting vegetable to straw harrowing everything is possible.
- ENGAGE WHEN STATIC. Check your implement, get back in, engage and drive.
- DRIVE FORWARD AND BACKWARD. Position your machine optimally on small headlands for engaging the next line perfectly.
- COMPLETELY INTEGRATED HYDRAULICS. Utilises existing steering setup for easy install.
- INTERCHANGEABLE BETWEEN MACHINES. High flexibility and profitability due to a maximum range of applications.
- ACTIVATION SWITCH. Use of machine own activator/ joystick switch possible.

\* only 15.990 \*\* minimum 4.970h

# YOUR DIGITAL OFFICE

**NAV-500/ NAV-900 GUIDANCE CONTROLLER**

**XCN DISPLAY**

**FARMER CORE SOFTWARE**

With the easy-to-use platform Farmer Core you can collect and organise field records. Enabling you to then view them from anywhere on your mobile or desktop device. Connect to your XCN-display to seamlessly sync and manage the precision farming data.

**BLUETOOTH LOW ENERGY BEACON**

Bluetooth Beacon for non-ISOBUS-compatible implements. Set up the key data of your implement such as working width once for automatic recognition. The data will be synchronized with AutoSync and are available immediately.



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# THE XCN-750™ SYSTEM

THE XCN-750™ OFFERS GREAT FUNCTIONALITIES AT AN AFFORDABLE PRICE.

Compatible with any equipment brand and implement manufacturer (ISOBUS), the new Case IH XCN-750™ is a user-friendly display which provides manual guidance and several autoguidance solutions as well as application control for every farm.

The XCN-750 is the perfect entry-level display for farmers wishing to introduce GPS to their operations. It is also fully upgradeable, should you want to increase your productivity with additional features.



**17.8 cm Screen**  
High definition colour touchscreen display



**Rugged construction**  
For everyday field use, even in harsh environments



**Precision IQ**  
Simple, intuitive user interface



**Android**  
Android-based for fast, fluid navigation and easy to download multiple apps



**Connectivity**  
Bluetooth and Wi-Fi



## NAV-500

The NAV-500 is the new guidance controller, capable of L1 multi-constellation GNSS positions. It can be paired with our new XCN-750 or already proven XCN-1050 displays.

This cost-effective guidance controller will provide sub-meter repeatability accuracy and full farm coverage to use for many field operations. The NAV-500 is compatible with Egnos and ViewPoint RTX.

It is ideal for the farmers who need excellent performance but does not require ultimate precision of the NAV-900 guidance controller.

## NAV-900

The NAV-900 guidance controller is our most advanced GNSS receiver. Built for maximum uptime.

It combines a GNSS receiver and gyroscopes in one unit for less cabling in the cab.

It is compatible up to our AFS RTK+ correction signal to reliable stability and short convergence time.

### How does it work ?

The NAV-900 or NAV-500 guidance controller provides your XCN-750 display with the signal received from the GNSS constellation and correction message from your selected service. Thanks to the T3 terrain compensated correction (roll, pitch and yaw), it sends precise steering instructions to your vehicle to ensure guidance performance.



**EASY TO INSTALL ON THE ROOF OF MOST VEHICLES**



**MULTI-CONSTELLATION GNSS RECEIVER INCLUDING GPS, GLONASS, GALILEO, BEIDOU**



**XFILL™ COMPATIBLE TO AVOID SIGNAL LOSS (ONLY WITH NAV-900)**



## WHAT KIND OF AUTOGUIDANCE WITH THE XCN-750™ ?

XCN-750™	EZ-Steer®	EZ-Pilot™	EZ-Pilot™ Pro	AutoPilot™ Motor Drive	AutoPilot™
Guidance Type	Assisted Steering	Assisted Steering	Assisted Steering	Assisted Steering	Hydraulic
Compatible vehicles	Compatible with platform kits for more than 200 vehicles*				Vehicle equipped with CAN and non CAN based factory integrated hydraulic steering valves**
Guidance controller	NAV-500 or NAV-900	NAV-500 or NAV-900	NAV-500 or NAV-900	NAV-900	NAV-900
Low speed	3 km/h	3 kph	1.61 kph	0,35 kph	0,35 kph (0,07 kph with a additional hardware)
Angle (approach)			45°	90°	90°
Reverse operation	No	No	Yes (15 sec.)	Yes	Yes
Stay engaged when stopped	No	No	Yes (15 sec.)	Yes	Yes
NextSwath (end of row turn capability)	No	No	No	Yes	Yes

MORE INFORMATION? CONTACT YOUR CASE IH DEALER.

## PRECISION-IQ INTERFACE



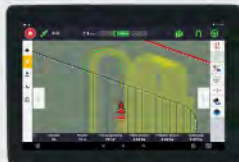
### SWATH MANAGEMENT

Straight A-B-lines, curves, spirals, heading, tramline management, data management (delete, shift, title), a recording borders and obstacles.



### ACCESS PATHS

Access paths are usable to plan irregular lane distances. E.g. potato production: for example, if you plant your potatoes with 3 m working width, the system is able to implement a tramline with a track width of 2.5 m automatically.



### NEXT SWATH

Let your machinery take over the turning on the headlands and concentrate completely on the optimal lifting and lowering of your implement.



### UNIVERSAL TERMINAL

The XCN communicates with different steering applications. Usable as Isobus-terminal therefore reducing expensive investment for additional terminals.

### VRS CLIENT

Use the hotspot of your smartphone to receive RTK signals. This saves the need for a separate cellular modem, simcard and additional cabling.



### NEXT BUTTON

By pushing the Next button you can switch quickly between guidance lines, therefore reducing time spent on the headlands.



### NMEA OUTPUT

Export the GPS correctional data of your XCN-system to other implement displays. Save the use of additional GPS receivers.



### VIRTUAL SECTION CONTROL

This function allows you to show the exact starting and ending point optically without the need for additional monitors, e.g. for sprayers and fertilizer spreaders. Resource protection has never been easier!



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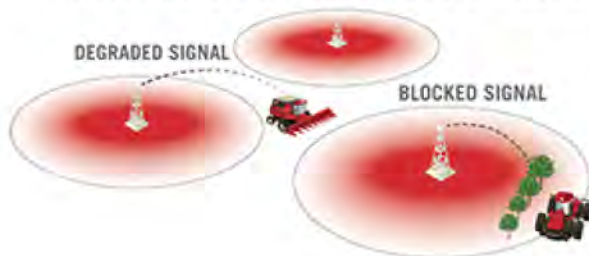




## AFS RTK

- Instantly Access the Best Network
- When you tap into all the efficiencies in time and inputs Case IH AFS can bring to your farm, you need the speed, accuracy and reliability only AFS RTK+ can deliver. The dense and robust AFS RTK+ network ensures a fast, dependable signal and maximum accuracy in all conditions, regardless of field location.

### Single Base RTK or Network of Stand-alone RTK Radio Delivered Base Stations



### Case IH AFS RTK+ Network



### RTK SIGNAL ACCURACY



## From Satellites to Sub-Inch Accuracy



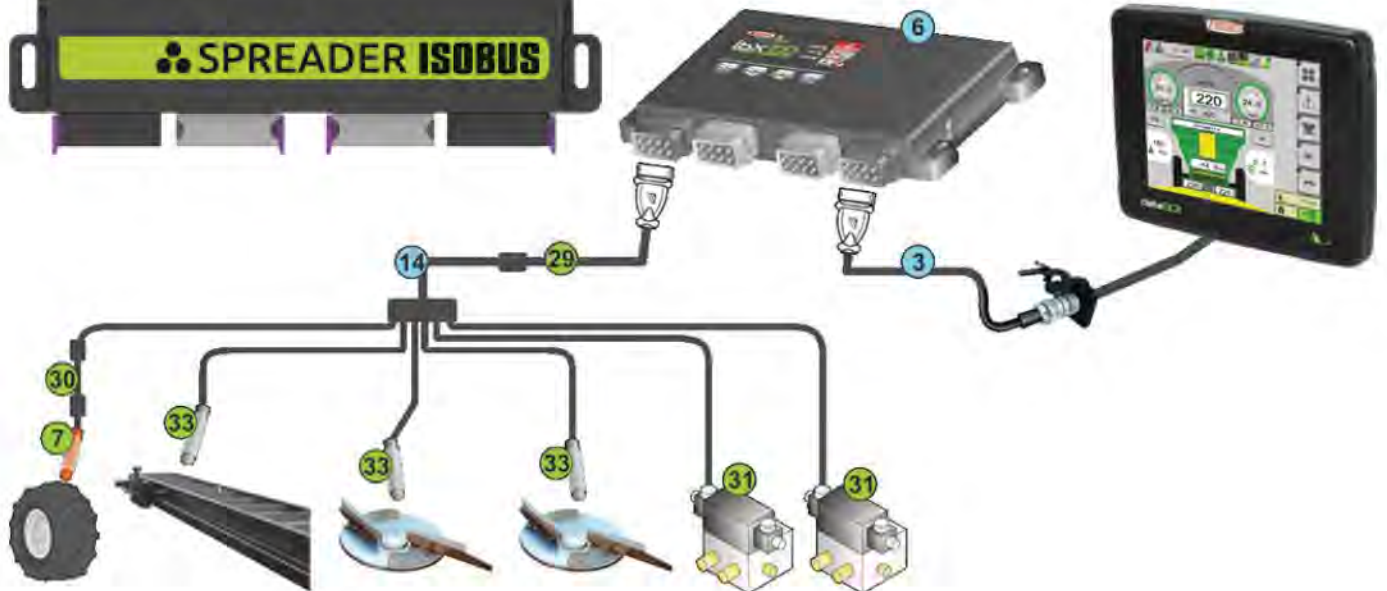
### How AFS RTK works:

- A connection is made between the satellites, your vehicle, and the AFS RTK+ network
- The information goes back to a central server that analyzes the data
- The correction is sent to your vehicle instantly via the cellular networks, which provides sub-inch accuracy
- Wherever you are, the correction is calculated from the surrounding network stations



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## ARAG ISOBUS Spreader

- Belt spreader
- Product distribution controlled by belt speed adjustment
- NEW - Possibility of controlling dual belt spreader
- NEW - Controlled product output by adjusting up to 2 distribution gates
- Free-fall fertilizer spreader
- Product output controlled by adjusting distribution gates opening
- ON-OFF fast gates control for optimized automatic section control
- For both configurations:
- Product distribution with variable application
- Borders management for optimal output even along field boundaries
- Automatic detection of product quantities in the hopper using load cells
- Spinners rotation speed automatic control
- NEW - Real-time system self-calibration via load cells





Model	2006	3009	40	4614	6218HDX
Working width	7.2m	10m	13.5m	15m	19.3m
Cut width	6.4m	8.8m	12.5m	14m	18.1m
Transport width	2.4m	2.4m	3.5m	3.9m	5m
Transport height	3.9m	3.4m	3.8m	3.9m	4.8m
Transport length	10.4m	11.6m	13.9 m	17.2m	22m

**Stoppel bestuur, Saad bed form, Onkruid beheer**  
**en nog vele meer voordele om jou plaas die voordeel te gee op die**  
**weeg skaal van inset kostes teenoor wins**



011 922 2300  
www.northmecimp.co.za  
1 Wrench Rd, Isando, 1609



**BALDAN** *Ontwerp met die boer in Suid Afrika ingedagte*



SubSoiler (Trailed)	ASDADR 5	05 TYNES WITH CUTTING DISCS AND ROLLER
	ASDADR 7	07 TYNES WITH CUTTING DISCS AND ROLLER
	ASDADR 9	09 TYNES WITH CUTTING DISCS AND ROLLER
	ASDADR 11	11 TYNES WITH CUTTING DISCS AND ROLLER
	ASDADR 13	13 TYNES WITH CUTTING DISCS AND ROLLER
Trailed Offset Disc Harrow (235MM Spacing)	CRSG18DSC	18 NOTCHED DISCS OF 26" X 6MM
	CRSG20DSC	20 NOTCHED DISCS OF 26" X 6MM
	CRSG24DSC	24 NOTCHED DISCS OF 26" X 6MM
Trailed Offset Disc Harrow (270MM Spacing)	CR124DSC	24 NOTCHED DISCS OF 26" X 7,50MM
	CR128DSC	28 NOTCHED DISCS OF 26" X 7,50MM
	CR132DSC	32 NOTCHED DISCS OF 28" X 7,50MM
	CR136DSC	36 NOTCHED DISCS OF 28" X 7,50MM
	CR140DSC	40 NOTCHED DISCS OF 28" X 7,50MM
	CR144DSC	44 NOTCHED DISCS OF 28" X 7,50MM
	CR148D	48 NOTCHED DISCS OF 28" X 7,50MM - FOLDING
Tanden Disc Harrow	GCRTIS 62D	62 NOTCHED DISCS OF 28" X 7,50MM - FOLDING
	GCRTIS 70D	70 NOTCHED DISCS OF 28" X 7,50MM - FOLDING
Double Offset Disc Harrow	GDOBS 78	78 NOTCHED DISCS OF 28" X 7,50MM - FOLDING
	GDOBS 90	90 NOTCHED DISCS OF 28" X 7,50MM - FOLDING
Post Hole Digger	PSH1130	WITH 03 AUGERS/DRILL (09" - 12" - 18")
Heavy Duty Offset Disc Harrow	GSPCR14DSC	14 NOTCHED DISCS OF 36" X 12MM
Terracing Plough (Disc Ridger)	TACR 16	16 DISCS





Horizontal Mixers	MT 50	Husky MT 50
	MT 70	Husky MT 70
	MT 120	Husky MT 120
	MT 160	Husky MT 160
	MT 150	Boxer MT 150
Mixer (Other)	T1/80 R	Dunker T1/80 R
	T2/240 S	Dunker T2/240 S
	MT 220	DOGO 22

Spreader	MK4	Lowlander MK4 TVA 150
Spreader	Widebody	Lowlander Widebody TVA 180

A WELL ESTABLISHED MANUFACTURER OF REAR DISCHARGE MUCK SPREADERS,  
SERVICING THE FARMING COMMUNITIES OF DOMESTIC AND EXPORT MARKETS





Maize Header	MS3-150(60")
Maize Header	MS4-75(30")
Maize Header	MS5-150(60")
Maize Header	MS6-75(30")
Maize Header	MS8-75(30")
Maize Header	MS8-75(30") FOLDABLE
Maize Header with Auto Ground Leveling System	MS10-75(30")
Maize Header with Auto Ground Leveling System	MS12-75(30")
Maize Header with Auto Ground Leveling System	MS12-75(30") FOLDABLE
Maize Header with Auto Ground Leveling System	MS16-75(30")
Maize Header with Auto Ground Leveling System	MS16-75(30") FOLDABLE
Maize Header	MS4-91(36")
Maize Header	MS6-91(36")
Maize Header	MS8-91(36")
Maize Header	MS8-91(36") FOLDABLE
Maize Header with Auto Ground Leveling System	MS10-91(36")
Maize Header with Auto Ground Leveling System	MS12-91(36")
Maize Header with Auto Ground Leveling System	MS12-91(36") FOLDABLE
Draper Header with Grain Level Regulation and Reserve Knife	TRUEFLEX 30 FT
Draper Header with Grain Level Regulation and Reserve Knife	TRUEFLEX 35 FT
Draper Header with Grain Level Regulation and Reserve Knife	TRUEFLEX 40 FT



Sunflower Header	SF1070	10 Row at 70cm or 22 feet
	SF1270	12 Row at 70cm or 27 feet
	SF1470	14 Row at 70cm or 31 feet
	SF1670	16 Row at 70cm or 36 feet
	SF1870	18 Row at 70cm or 40 feet





Boom Sprayer	Hitched	IM12/600
	Hitched	MAXX 800/18EE
	Trailed	Avalanche 14/2000 Manual
	Trailed	Avalanche 14/2000 E
	Trailed	Avanti 18/2000 EE
	Trailed	Avanti 18/3000 EE
	Trailed	Avanti 24/3000 EE
Air Blast	Hitched	ITA 400
	Hitched	ITA 800
	Trailed	ITA 2000/3P



IH 18/800 EE

Avanti 24/3000 EE



Hay Rakes	RP 4	3 PT. V Rakes
	RP 5	3 PT. V Rakes
	RP 6	3 PT. V Rakes
	RP10V	3 PT. V Rakes
Q Rakes	QR8	
	QR12	
Q Rake X	QRX 14	
MK Evolution Magnum Rakes Pull Type	MKE16	MKE 16 with 55" Wheels + Tandem + Kicker Wheels
	MKE20	MKE 20 with 55" Wheels + Tandem + Kicker Wheels
Rotary Tedders	RT/3000	3 Point Hitch
	RT5800	HM 3 Point Hitch Hydraulic Lift
	RT5800	H 19" Hydraulic Lift Pull Type
Rotary Rakes	SR420/11	3PT Tandem Wheel
	SR500/13	Pull Type
Fertiliser Spreader	FS500	
Hay Rakes Inline	TR-9/S	
Disc Mowers	DM/4	
	DM/5	
	DM/6-S	
	DM/7-S	
	DM/8-S	

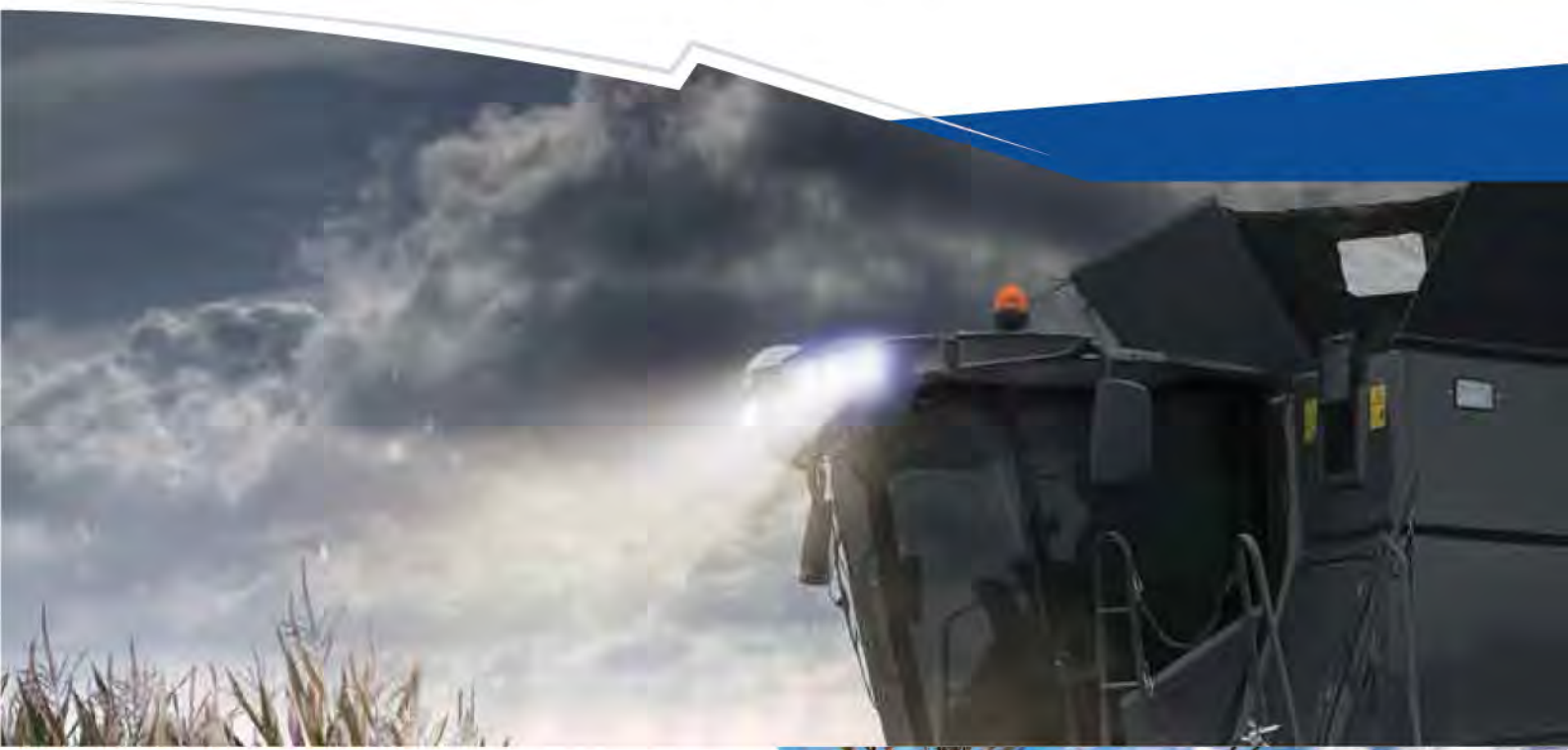
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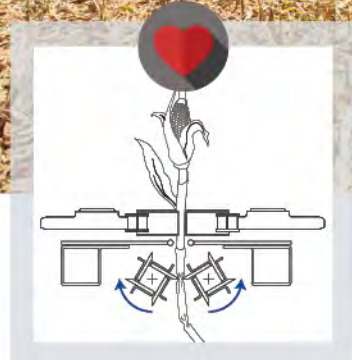


# Corn heads

Mais Star\* | Mais Star\* SC | Mais Star\* Horizon



System details  
The Mais Star\* concept



Stalk and stubble management  
Work results

Two counter-rotating snapping rolls, each fitted with four knife bars, aggressively pull the corn stalks downward in a controlled motion.

This enables the deck plates to strip the corn cob off the plant. The unchopped corn stover remains in the field, protecting the soil from erosion.

- ▶ Eliminates the stubble pass
- ▶ Minimizes stover destruction
- ▶ Low power requirements for the picker drive
- ▶ Effectively protects the soil from erosion and water evaporation
- ▶ Prevents fields from drying up

Model	Version	No. of rows	Row width	Transport width	Approx weight
MS 400	Rigid	4 rows	from 50 cm / 18"	3.20 m	1,500 kg
MS 500	Rigid	5 rows	from 50 cm / 18"	3.95 m	2,200 kg
MS 600	Rigid	6 rows	from 50 cm / 18"	4.70 m	1,910 kg
MS 600 F	Folding	6 rows	from 50 cm / 18"	3,00 m	2,300 kg
MS 800	Rigid	8 rows	from 50 cm / 18"	6.20 m	2,500 kg
MS 800 F	Folding	8 rows	from 50 cm / 18"	3.30 m	2,900 kg
MS 1200	Rigid	12 rows	from 50 cm / 18"	9.20 m	3,600 kg
MS 1200 F	Folding	12 rows	from 50 cm / 18"	4.80 m	4,000 kg
MS 1600 B	Rigid	16 rows	from 50 cm / 18"	12.20 m	5,200 kg
MS 1600 FB	Folding	16 rows	from 50 cm / 18"	6.40 m	5,700 kg
MS 1800 B	Rigid	18 rows	from 50 cm / 18"	13.90 m	5,640 kg
MS 1800 FB	Folding	18 rows	from 50 cm / 18"	6.80 m <sup>31</sup>	5,550 kg
MS 2400 B	Rigid	24 rows	from 50 cm / 18"	12.70 m	6,200 kg
MS 2400 FB	Folding	24 Row	from 50 cm / 18"	6.60 m <sup>29</sup>	6,880 kg

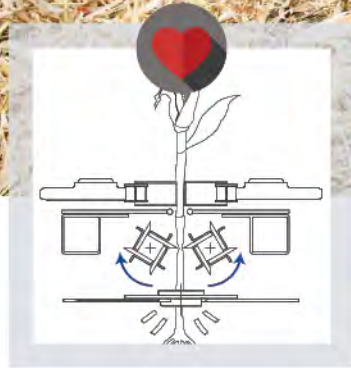
\* For 22" row spacings | † For 20" row spacings



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## The Mais Star® SC concept



The Mais Star® SC concept relies on the proven Mais Star® design: Two counter-rotating snapping rolls, each fitted with four knife bars, aggressively pull the corn stalks downward in a controlled motion. The integral horizontal chopper located in the center of the row unit, shreds the gathered corn stalks at minimum of input power for fast decomposition.

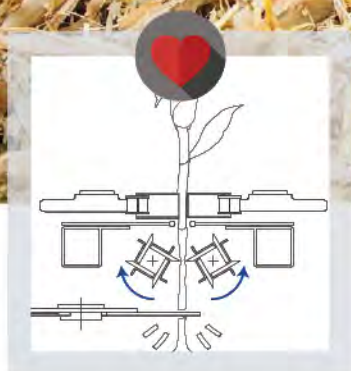
- ▶ Short and uniform stubble
- ▶ Excellent distribution of chops
- ▶ Maximum chopping quality to reduce the formation of Fusarium fungi and to avoid pest survival
- ▶ Virtually eliminates the need for mulching or follow-up chopping



Model	Version	No. of rows	Row width	Transport width	Approx. weight
MSSC 400	Rigid	4 rows	from 50 cm / 18"	3.20 m	1,800 kg
MSSC 500	Rigid	5 rows	from 50 cm / 18"	3.95 m	2,000 kg
MSSC 600	Rigid	6 rows	from 50 cm / 18"	4.70 m	2,200 kg
MSSC 600 F	Folding	6 rows	from 50 cm / 18"	3.00 m	2,600 kg
MSSC 800 B	Rigid	8 rows	from 50 cm / 18"	6.20 m	2,900 kg
MSSC 800 FB	Folding	8 rows	from 50 cm / 18"	3.30 m	3,400 kg
MSSC 1200 B	Rigid	12 rows	from 50 cm / 18"	9.20 m	4,400 kg
MSSC 1200 FB	Folding	12 rows	from 50 cm / 18"	4.80 m	4,800 kg



## The Mais Star® Horizon concept



The Mais Star® Horizon system builds on the proven Mais Star® concept: Two counter-rotating snapping rolls, each fitted with four knife bars, aggressively pull the corn stalks downward in a controlled motion. The integral horizontal chopper located next to the row unit, shreds the gathered corn stalks with a minimum of input power for fast decomposition.

### Stalk and stubble management Work results

- ▶ Short and uniform stubble
- ▶ Excellent distribution of chops
- ▶ Maximum chopping quality to reduce disease and pest infestation
- ▶ Virtually eliminates the need for mulching or follow-up chopping



Model	Version	No. of rows	Row width	Transport width	Approx. weight
MSH 400	Rigid	4 rows	from 50 cm / 18"	3.20 m	1,800 kg
MSH 500	Rigid	5 rows	from 50 cm / 18"	3.95 m	2,000 kg
MSH 600	Rigid	6 rows	from 50 cm / 18"	4.70 m	2,200 kg
MSH 600 F	Folding	6 rows	from 50 cm / 18"	3.00 m	2,600 kg
MSH 800 B	Rigid	8 rows	from 50 cm / 18"	6.20 m	2,900 kg
MSH 800 FB	Folding	8 rows	from 50 cm / 18"	3.30 m	3,400 kg
MSH 1200 B	Rigid	12 rows	from 50 cm / 18"	9.20 m	4,400 kg
MSH 1200 FB	Folding	12 rows	from 50 cm / 18"	4.80 m	4,800 kg







## **KVERNELAND TAARUP TA 2624 M DISC MOWER**

- Cutting grass

### **Description**

- Available in 6 disc 2,4 m
- Top service hubs
- Fully welded cutter-bar with overlapping C-profiles and no risk of oil leakage
- Headland Lift: the mower is lifted via the hydraulic cylinder – no need to activate the 3 pt linkage
- 2624M Nonstop Breakback ensures maximum protection of the cutterbar if hitting a foreign obstacle
- 2624M can pivot 35° up and down without adjustments
- Round discs rejecting stones and foreign objects, minimising shock load on disc transmission and reduced turbulence advantage in light crops
- The extreme high volume cutterbar has a high oil capacity ensuring a very low working temperature – room for more oil behind the gear wheels
- Long curved teeth and design ensure a very low noise level and smoother power transmission





## **KVERNELAND CLG SUBSOILER**

- Design to loosen subsoil and break up tram-line tracks
- Improve soil structure and promote good drainage
- Increase soil's permeability and improve seedbed conditions for faster & better germination

### **Description**

- Frame designed is bolded heat treated
- Working width from 1.6 to 5.6 m
- Under beam clearance of 780 mm
- Tine spacing 400 mm & easy to adjust
- Option wear plate
- Working depth is 550 mm
- Standard 7 and 2 No.5 spring pack (auto reset)
- 1200 kg breakaway
- Better soil flow due to rounded tine face
- kW requirement 15 to 18 kW per tine
- Can be equipped with local cage roller
- Available with CLG or DLB Shank and Point





## **KVERNELAND CLC-II STUBBLE CULTIVATOR**

- Use for primary and secondary engagement

### **Description**

- Bolted Heat Treated Beam
- Front and rear beam 100 x 100 mm tube x 8 mm thick
- Distance from front to rear beams 1470 mm
- Unique leg design vibrating for intensive effect in the soil
- 450 mm working depth
- kW requirement +/- 15 kW per tine
- Tine flexibility 200 mm each way
- 1050 kg Tine breakaway on the point
- Under beam clearance of 870 mm
- Wear plate standard with 80 mm Knock-On point
- Long leaf spring Non stop Auto Reset, set at 690 mm
- Standard 7 + 2 No:5 Spring pack (Auto Reset)
- Adjustable tine spacing
- Intensive mixing and good residues flow





## **KVERNELAND EXACTA CL**

- The Exacta CL disc spreader is the master of the medium segment.

### **Description**

The Kverneland Exacta CL mounted spreader is medium in size and volume, but combines high performance, precise spreading in all weather conditions, easy adjustments and intelligent output in one machine.

This disc spreader has a hopper capacity between 1 100 - 2 000 litres and comes with the CentreFlow system as standard which can spread up to 28 metres. It also comes with 8 vanes per disc for the same spreading quality as the bigger disc spreaders.

This mounted spreader can be equipped with most of the accessories for larger spreaders such as aluminium hopper extensions, ExactLine for border spreading, parking frame or LED lights. The Exacta CL fertiliser spreader can be operated





## **KVERNELAND EXACTA TL GEOSPREAD**

- GPS controlled, intelligent spreading (into a minimum of 1 metre sections) with the Exacta TL GEOSPREAD.

### **Description**

With Kverneland Exacta TL GEOSPREAD you will get a perfect spreading result! The GEOSPREAD system does section control with sections of only 1 metre. With a maximum of 54 sections and the possibility to switch sections over the middle, unnecessary overlap is set to an absolute minimum. The 4 load cells and reference sensor on the Exacta TL GEOSPREAD are important features as with section control accurate weighing is essential. The total benefit of GEOSPREAD combined with speed related spreading and GEOPOINT headland management can be up to 15%. This can be achieved by saving fertiliser and better yields, because of no unnecessary overlap. In combination with MULTIRATE, the variable rate application, which applies multiple rates within a working width even more cost-effective spreading can be achieved. This Kverneland Exacta TL GEOSPREAD spreader is ISOBUS compatible and AEF certified. You can operate the spreader in combination with the IsoMatch Tellus PRO, IsoMatch Tellus GO+ or any other ISOBUS compatible tractor terminal.



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## MCHALE 991 B-BC ROUND BALE WRAPPER

– Wrapping bales for Silage

### Description

- 4 lever control
- 750 mm film dispenser
- Cut and tie system
- Patented ground supported damper
- Wide low ground pressure tyres
- Film roll holders
- Self-loading arm
- Counter balance weight
- Bale support bobbins
- Shear bolt unit
- Side Tip damper





## **MCHALE F5400 ROUND BALER**

- Baling of wet and dry material

### **Description**

- 2.1 m pick-up
- Heavy duty rotor feed
- Drop floor unblocking system
- 18 roller bale chamber
- 50 mm bale chamber roller bearings
- 1' – 1/4" chain on the bale chamber
- Centralised greasing blocks (manual greasing)
- High performance various stretch netter
- Continuous oiler system
- Wizard control box (4 digit display)
- 380/55 – 17 tyres





## MCHALE F5500 ROUND BALER

– Wrapping bales for Silage

### Description

- 2.1 m pick up
- Heavy duty rotor
- 15 knife chopper unit
- Knife position sensor
- Drop floor unblocking system
- Drop floor sensor
- 18 roller bale chamber
- 50 mm bale chamber bearings
- 1' – 1/4" chain on the bale chamber
- Continuous oiler system
- Automatic progressive greasing system
- High performance various stretch netter
- Wizard plus control box with graphic display
- 500/50 – 17 tyres





## MCHALE R5 ROUND BALE HANDLER

- Ideal for transporting bales which have been tipped on their end in the field
- Used to collect bales after wrapping and rotate them 90° and stack them on their ends so they can hold their shapes

### **Description**

Designed to keep the bale as close as possible to the loader carriage. This gives better control, stability and balance when dealing with even the heaviest of bales. The bale hands are designed so that they cradle the bale without damaging the plastic. The hands are slim in design, allowing them to slip between two closely stacked bales.

Either of the bale hands can be locked in position allowing the unlocked arm to do all the movement. This gives the operator more control in confined spaces. A heavy-duty ram complete with check valve ensures a consistent grip as the bale is being transported



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## Carrier range

- Carrier 300 – 400
  - Carrier 420 – 820
  - Carrier 425 – 1225XL
  - Carrier 925 – 1225
- Available in rigid disc form and trailed disc form
  - High working speed up to 16 ha per hour
  - XL Carrier are suited for deeper cultivation or larger amount of crop residues

## Carrier XT 425-625 Product range

- Carrier XT 425 mounted
  - Carrier XT 425 mounted/galvanised frame
  - Carrier XT 425 trailed
- Carrier XT 525 mounted
  - Carrier XT 525 mounted/galvanised frame
  - Carrier XT 525 trailed
- Carrier XT 625 mounted
  - Carrier XT 625 mounted/galvanised frame
  - Carrier XT 625 trailed





## Carrier XT 425-625 - Key features

- Rotating disc axles optimizes the cut-out performance at shallow depth, while increasing the depth precision at deeper working depths
- Easy folding to transport with vertical foldable wings and hydraulic operated wing lock from cab
- Trailed machine is possible to turn on headland on packer or transport wheels. Transport wheels gives versatility and improves reversing.
- Easy and accurate depth settings in field
- Straight pulling with X-disc for 450 mm and 470 TrueCut
- Rubber suspended single- or double packer options



### NZ Extreme Product range 1250 - 1425

NZX 1250



NZX 1425



Widest seedbed harrows on the market with 12.50 or 14.25 m working width



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## Rollex 450-620



- Rollex is a roller that combines versatility with high quality for impressive consolidation
- Rubber mounted bearings
- Spring washers for constant tension improving levelling and roller package strength
- Axle in micro alloyed steel - Ø 55 mm
- Frame 200x100x10mm pipe
- 25,4cm wide tyres (10,0x75x15,3)
- Automatic locking/opening
- Robust joints with bushings for long working life



## NZ Extreme

NZ Extreme is a heavy-duty tine harrow that levels the field to create an ideal seedbed for coming crops. It has 6 tine axles and a 5-section frame with wide tires to keep the set working dept even in hilly conditions.



## TopDown 300-700

- The Topdown is a high intensity multipurpose cultivator for both full-scale shallow cultivation and deep cultivation in a single pass.
- Intensive disc cultivation for cutting and mixing topsoil.
- 3 Axle tine cultivation for loosening and mixing soil and crop residues down to 30cm working dept.
- Final two working zones are levelers and packer to fully reconsolidate the surface

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## Standard equipment

- Hydraulic seed metering
- Two-seed coulters controlled by large offset packer wheels with high coulters pressure – 150 kg
- Maintenance-free disc bearings
- Level sensors L/R, seed+fertiliser
- Adjustable seed depth from cab
- 175 cm tramlining with 2-row shut-off
- Tramlining fertiliser on combi-version
- Mechanical half machine shut-off
- Following harrow
- Variable rate, seed and fertiliser possible via ISOBUS
- Rear lights



## Tempo L range with 90 litre seed hoppers



**Tempo L 8** (700/750/762/800)  
**Tempo L 10** (750)  
**Tempo L 12** (450/457/500/508/559)

- Short frame – Length 8.06m
- Wings rigid in working position
- Fertiliser hopper 3 000 litre
- Frame width 6.1m-7.2 m
- Option: Bout markers



**Tempo L 12** (700/750/762/800)  
**Tempo L 18** (450/457/500/508/559)

- Short frame – Length 8.06m
- Wings with hydraulic weight transfer in working position
- Fertiliser hopper 3 000 litre
- Frame width 8.3 m-9.2 m



**Tempo L 12** (700/750/762/800)  
**Tempo L 16** (750/750/762)  
**Tempo L 18** (500/508)  
**Tempo L 24** (450/457/500/508)

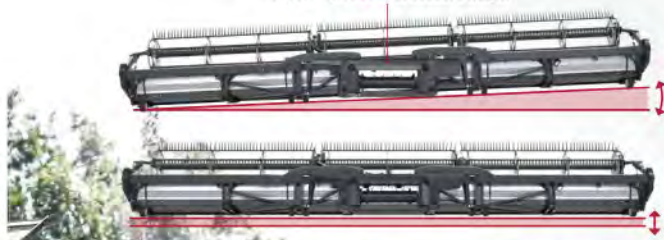
- Long frame – Length 9,56m
- Wings with hydraulic weight transfer in working position
- Fertiliser hopper 5 000 litre
- Frame width 9.8 m-12.0 m



# COMBINE HEADERS

MacDon

Supports up to 97% of header's weight



# D2/FD2

Durability. Capacity. Speed. MacDon's 2 Series Combine Headers deliver all the latest performance and innovation that MacDon offers. The D2 and FD2 FlexDraper® boast an all-new frame that features a super structured five-sided backtube. This solid backbone is ready to handle up to 20% increased capacity\* from an ultra-deep 50-inch draper deck\*. And that wider draper gets filled up a lot quicker thanks to MacDon's ClearCut™ High-Speed Cutting System. Wrap it all up with MacDon's rock-solid reliability, and it's clear to see how MacDon 2 Series Combine Headers get you more from every acre.

\* Compared to the previous model.  
+ 127 cm (50")



## More Flex

With the FD2, you get up to 70% more flex from the one and only FlexDraper®. The FD2 is a floating three-section flexible header with double and triple reel configurations; this allows the entire header frame, cutterbar, and reel to follow ground contours as a unit, flexing up to 17 inches\* on either end while maintaining a close reel-to-cutterbar relationship. This unique flexing action allows the FD2 to follow the ground and deliver smooth, consistent, heads-first feeding to the combine, even at extreme flex.

\* Compared to previous model. + 43.2 cm (17")



### FD2 FLEX RANGE

	Standard (Factory) Range	Increased Range**
FD225	102 mm [4"] up & 64 mm [2.5"] down	102 mm [4"] up & 102 mm [4"] down
FD230	165 mm [6.5"] up & 130 mm [5"] down	165 mm [6.5"] up & 165 mm [6.5"] down
FD235	205 mm [8"] up & 130 mm [5"] down	205 mm [8"] up & 205 mm [8"] down
FD240 Double Reel	205 mm [8"] up & 130 mm [5"] down	205 mm [8"] up & 205 mm [8"] down
FD241	205 mm [8"] up & 130 mm [5"] down	205 mm [8"] up & 205 mm [8"] down
FD240 Triple Reel	205 mm [8"] up & 205 mm [8"] down	205 mm [8"] up & 205 mm [8"] down
FD245	216 mm [8.5"] up & 216 mm [8.5"] down	
FD250	216 mm [8.5"] up & 216 mm [8.5"] down	

\*\*The flex range can be increased by removing the flex limiter, however a greater reel to cutterbar clearance is required.

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## Next level harvesting performance

MI Series Windrowers continue MacDon's tradition of bringing harvesting innovation to the field. These all-new Windrowers deliver power, performance, comfort, and speed. The powerful Cummins engines provide more than enough header drive capacity to power through the toughest harvesting situations. Our patented CrossFlex™ suspension makes the 18 mph (29 km/h) in-field and 28 mph (45 km/h) road speeds feel like a relaxed cruise. The high-back leather vented and heated seat, auto climate control, Bluetooth® radio, and the 360° Night Vision from 8 LED work lights will keep you comfortable and cutting long after the sun goes down. Setting a new standard in Windrower technology, the MI Series is the next level of harvesting performance.

### POWERFUL PERFORMANCE

Choose from a Cummins 6.7 liter Turbo Diesel engine that delivers 248 horsepower at 2200 rpm or a Cummins 4.5 liter Turbo Diesel with 173 horsepower at 2400 rpm. Either way, more engine power combined with increased header drive capacity means MI Series Windrowers are ready for any harvesting situation.

### A KEEPING ITS COOL UNDER PRESSURE

Keeping their cool under pressure, MI Series Windrowers use a new dual radiator design to draw air from the cleanest location, behind the cab. To keep the clean air flowing constantly a hydraulic-drive reversing fan works on the go to blow out unwanted debris, keeping the engine and hydraulics running cool and efficiently, without the need of operator input.

### B A FAST SMOOTH RIDE & CLEAN CUT

MacDon's all-new patented CrossFlex™ Suspension makes the 18 mph (29 km/h) in-field and 28 mph (45 km/h) road speeds feel like a relaxed cruise. This unique design absorbs impact from rough terrain allowing smooth harvesting no matter the field condition.



A



B



**CrossFlex™**  
SUSPENSION



**DUAL**  
**DIRECTION™**

### C FASTER IN & BETWEEN FIELDS\*

Thanks to MacDon's patented Dual Direction® steering you can switch from field to road mode in seconds and travel at speeds of up to 28 mph (45 km/h). In most cases there's no need to detach the header, saving you time and labor when moving from field to field. D1XL Series Draper Headers can be easily transported at 20 mph (32 km/h) with MacDon Windrowers using our Slow Speed Transport system. Either way, you'll be spending less time in transport and more time cutting.

### D 360° NIGHT VISION

The deluxe cab option takes performance to the next level with our 360° Night Vision from 8 high power LED work lights. The bright halo of light from our 360° Night Vision lets you work safely long after the sun goes down.

### E DWA SAVES TIME & MONEY

MacDon's optional Double Window Attachment lets you achieve the ultimate window when paired with a rotary disc header. Ideal for keeping today's large forage harvesters working at capacity, this option allows operators to combine up to three passes into a single window. That translates into significant time and fuel savings in the field.

### MASSIVE CROP CLEARANCE ABILITY

Featuring the Industry's Best Crop Clearance with 46" (117 cm) of height and 152" (386 cm) of width, big bushy swaths flow effortlessly under the M1240. Header lift height is improved too, 3" higher than our previous model.

*\*Always follow local traffic laws and regulations.*



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# TOMCAT MODEL 150 AFP



## CHIPPER FEATURES

- 150 mm capacity chipper
- Double in-feed rollers
- Electronic reversing auto-feed function
- Swivel discharge chute
- Forward/reverse bar
- Foldable feed tray
- Replaceable wear strips
- Hour meter
- Takbok hydraulics
- Sealed bearings
- Trailerised options available\*

# COMPOST TURNERS

## FEATURES INCLUDE

- 1.6 m or 3.0 m width
- Easily replaceable, hardened steel blades
- Each blade shaped for most effective turning
- Ultra long lifespan on blades
- 3 Inch hydraulic jack
- Large counterweights
- Water spray nozzles ready
- Low operating costs
- Adjustable side flaps
- Produces microbially-active high quality compost
- Scrapers for neat rows
- Simple & strong
- Low maintenance costs
- Reliable, efficient & economical

## BASIC REQUIREMENTS

- Tractor with crawler/creeper gear
- Crawler speed: 250 to 750 meters per hour
- Flat surface for compost
- 4x4 Tractor when operating in wet conditions



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# TOMCAT MODEL 200 AFE



## CHIPPER FEATURES

- 50 Hp Perkins water-cooled diesel engine
- Parker hydraulics
- Hydraulic lift cylinder
- 2 Ton SABS roadworthy trailer
- 7" Over centre clutch
- Easy to operate and maintain
- Unique drum chipper design
- Electronic reversing auto-feed system
- Forward/reverse bar
- Replaceable wear strips
- Foldable feed tray
- Swivel discharge chute
- Parts locally available over the counter
- Toolbox & spare wheel Included



# TOMCAT MODEL 250 AFE

## CHIPPER FEATURES

- 65 Hp Kirloskar Diesel Engine
- PARKER Hydraulics
- Hydraulic Lift Cylinder
- 2.5 Ton SABS Roadworthy Trailer
- 11" Over Centre Clutch
- Easy to Operate and Maintain
- Parts Locally Available Over the Counter
- Unique Drum Chipper Design
- Electronic Reversing Auto-Feed System
- Forward/Reverse Bar
- Replaceable Wear Strips
- Foldable Feed Tray
- Swivel Discharge Chute
- Powerful Discharge



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# TOMCAT MODEL 250 AFP



## CHIPPER FEATURES

- 60 to 80 HP required
- Double in-feed rollers
- Electronic reversing auto-feed function + hour meter
- Parker hydraulics
- Hydraulic lift cylinder
- Swivel discharge chute
- Forward / reverse bar
- Foldable feed tray
- Replaceable wear strips
- Sealed bearings
- Trailerized / 3-point mounted

# TOMCAT MODEL 375 AFE

## CHIPPER FEATURES

- 125HP Perkins diesel engine
- Hydraulic adjustable discharge chute height, flipper & rotation
- Hydraulic lift cylinder
- Parker hydraulics motors
- 520mm x 420mm opening
- TOMCAT Electronic Reversing Auto-feed Computer (TRAC)
- 780mm Drum diameter
- 3.5 ton SABS roadworthy trailer
- Forward / reverse bar
- Replaceable wear strips
- Sealed bearings
- 100mm drum shaft
- Also available with steel in-feed conveyor at additional cost
- 11" over centre clutch



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**“Dis hoe ons Plant !”**

**Planter Closing Wheels - Since 2003**



**TOP DRESSING**



**Row Cleaners**

**Most Make and Module Planters**

**Firmers**



**Fertilizer Knifes and Coulters**

Custom Build  
Toolbars with or without Equipment

**“Dis hoe ons Skoffel !”**

**Tussenry Tandskoffel**



For 910 mm+ Rows  
**Tussenry-Skottelskoffel**



Ideal for 762 mm+ Rows







RIPPER TILLAGE EQUIPMENT

# “Dis hoe ons Rip!”

**Riptill Rippers  
Ridged or Trailed  
(Fertilize Granular or Liquid)**



“Riptill Rippers is custom build according to the soil conditions. Tillage Equipment are also sold separately as an add-on to the Farmer’s own equipment”  
Provide own Ripper Tines



**Tillage Equipment for  
Rippers and Pre-Planters:**

- Various:
- Cutting Coulters
- Row Cleaners

**PARALLEL UNITS** for:  
Cut-Clean-Rip-Close-Compress  
“or just a part there-off”  
Pre-Plant , Pre-Clean, V-Blade

**Rollers  
Cultivators  
and  
Conventional Rippers**



**Closing Coulter and Roller Unit RT-CC-TR**  
“Closing of Furrow behind Ripper Tine”



Without      With



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RIPPER TILLAGE EQUIPMENT

# “Dis hoe ons Rol !”

“VEELSYDIGHEID kraai koning:  
Een Topveer-eenheid, Verskeie Applikasies”



## Windkeer



Bou Spesiale  
Rywydtes  
Op aanvraag

## Rolmoer Op-die-Ry



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# “Dis Strooptyd !

## Stroper tafelwaentjies / Harvester Trailors



- Easy Turning
- LED Lights
- Adjustable Height
- Adjustable Wheels at back



- 21 ft to 25 ft    x2 Axles, 4 Wheels
- 30 ft to 36 ft    x3 Axles, 6 Wheels
- 40 ft and up    x4 Axles, 8 Wheels

### For Most Makes and Models

### Stalk Paddles

### Stroperpanne



### Toolbox







F50/180/4 Slasher



F60/450 Flexwing Slasher



F80/180 Haymaker



F290 Flail Mower + Roller

Part No	Description Model ("+" Includes Offset)	Blades	Cutting Width (m)	Cutting Height (mm)	Mass (kg)	Tractor (kW)
A0023/4	F50/180/4 Slasher +	4	1,8	10-140	533	40-60
A0086	F60/450 Flexwing Slasher	3 x 2	4,5	50-350	2 100	50-150
A0036	F80/180EV Haymaker®	2	1,8	40-155	610	45-80
A0121	F290 Flail Mower + Roller	84/28	2 900	0-100	865	40-60



F175 Rotavator + Bedformer



Part No	Description (Model "+" Includes Offset)	Working Width (m)	Working Depth (mm)	Mass (kg)	Tractor (kW)
A0074	F175 Rotavator +	1,78	300	645	45-60
A0078	F175 Bedformer	1,78	-	140	-



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AMAZONE

Part No	Description	Mass (kg)	Tractor (kW)
S3003	<b>ZA-M 1502 Twin disc spreader (1 500 ℓ) (Excluding Discs)</b> Incl PTO Shaft, hopper sieve, rolling device (braked), hydraulic independent shutter control for either right- or left-hand side spreading, safety set and complete calibration kit. <b>Max Pay Load 3 100 kg - Cat II</b>	324	65



S3006	<b>ZA-V 2000 Super Profis Hydro ISOBUS (2 000 ℓ) (Excluding Discs &amp; Terminal Package)</b>  Electro-hydraulic driven spreader with two weight cells for automatic online calibration. Only needs one single-acting spool valve with pressure-free return (45 - 60 ℓ/min). Automatic forward speed-related spread rate control and Variable Rate Application (VRA) capabilities, GPS compatibility with most devices, which allows for 16-sections & auto on/off shutter control at the headland. One-touch border or side spreading control, hopper sieve, ingenious on-board rolling device (braked), electric independent shutter control for either right- or left-hand side spreading, safety set, including traffic lights, mudguards, 16-tray mobile fertiliser test rig and a calibration chute as well as a mechanical hopper cover. "Can be operated by Amatron 4 or customer's own ISOBUS terminal."  <b>Max Pay Load 3 200 kg – Cat II ** Cat II / III Quick-Hitch Adapter – See pricelist on web for Optional Extras</b>	634	70
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**AMAZONE**



S3007	<p><b>ZA-TS 3200 Super Profis Hydro ISOBUS (3 200 €) (Excluding Discs &amp; Terminal Package)</b></p> <p>Electro-hydraulic driven spreader with two weight cells and tilt sensor for automatic online calibration. Only needs one single-acting spool valve with pressure-free return (45 - 80 l/min). Automatic forward speed-related spread rate control and Variable Rate Application (VRA) capabilities, GPS compatibility with most devices, which allows for infinite sections (terminal dependent, max 128 sections) &amp; auto on/off shutter control at the headland. One-touch border or side spreading control via unique Auto-TS system, hopper sieve, ingenious on-board rolling device (braked), electric independent shutter and agitator control for either right- or left-hand side spreading, safety set, including traffic lights, mudguards, 16-tray mobile fertiliser test rig and a calibration chute, hydraulic hopper cover as well as ladders on left- and right-hand. "Can be operated by Amatron 4 or customer's own ISOBUS terminal".</p> <p><b>Max Pay Load 3 200 kg – Cat II ** Cat II / III Quick-Hitch Adapter – See pricelist on web for Optional Extras</b></p>	765	112
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Part No	Description	Standard Capacity (€)	Working Width (m)	Tractor (kW)
S1058	UF 2002 Sprayer - See pricelist on web for Optional Extras	2 125	15-28	from 95



Part No	Description	Number of Tines	Number of Discs	Working Width (m)	Working Depth (mm)	Mass Without Rollers (kg)	Tractor (kW)
S2014	<p><b>Cenius 5003-2TX</b></p> <p>Mulch cultivator - semi-trailed, Cat III, hydraulic foldable, tandem roller, single support wheels, C-Mix-3 super tines with spring overload safety device, 600 kg trip force, hydraulic depth adjustment, mechanical leveller disc adjustment, tractive force increase system (1 500 kg), C-Mix 80 mm HD inversion shares</p>	17	16	5,0	80-300	5 088	min 200



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Bellima Series



Fortima Series



Comprima Series



Veripack Series

Stock Code	Model	Wrapping	Chamber	Bale Dimension	Min kW	Control	Multi-cut
UKR125	BELLIMA F125	Twine	Fixed	Ø1.2 x 1.2m	25 kW	Manual	n/a

Stock Code	Model	Wrapping	Chamber	Bale Dimension	Min kW	Control	Multi-cut
UKRP1250	FORTIMA F1250	Net Tying	Fixed	Ø1.25 x 1.2m	36 kW	Comfort	n/a
UKRP1250XC	FORTIMA F1250 XC	Net Tying	Fixed	Ø1.25 x 1.2m	36 kW	Comfort	standard

Stock Code	Model	Wrapping	Chamber	Bale Dimension	Min kW	Control	Multi-cut
UKRF125	COMPRIMA F125	Net tying	Fixed	Ø1.25 x 1.2m	48 kW	Comfort	n/a
UKRF125XC	COMPRIMA F125 XC	Net tying	Fixed		48 kW	Comfort	standard
UKRF155	COMPRIMA F155	Net tying	Fixed	Ø (1.25 - 1,5m) x 1.2m	51 kW	Comfort	n/a
UKRF155XC	COMPRIMA F155 XC	Net tying	Fixed		51 kW	Comfort	standard

UKRV180	COMPRIMA V 180	Net tying	Variable	Ø (1 -1.8m) x1.2m	59 kW	Comfort	n/a
UKRV180PW	COMPRIMA V 180 PW	* Plastic wrap	Variable	Ø (1 -1.8m) x1.2m	59 kW	Comfort	n/a

Stock Code	Model	Wrapping	Chamber	Bale Dimension	Min kW	Control	Multi-cut
UKRP201-10	VariPack V 165	Net Tying	Variable	Ø800 - 1650mm	59 kW	Comfort	N/A
UKRP201-11	VariPack V 165 XC				66 kW		Standard
UKRP201-21	VariPack V 190 XC				66 kW		Standard

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## 5. 3-Point DISC MOWER (Kuhn)



Stock code	Model	Working width	No. Disc	Hitch	Min kW required	PTO	Blade Attachment
UGMD16	GMD 16	1.6 m	4	Cat 1 & 2	15 kW	540 rpm	Bolted
UGMD20	GMD 20	2.0 m	5	Cat 1 & 2	19 kW	540 rpm	Bolted
UGMD24	GMD 24	2.4 m	6	Cat. 2	23 kW	540 rpm	Bolted
UGMD240	GMD 240-FF	2.4 m	6	Cat. 2	23 kW	540 rpm	Fast-Fit
UGMD280	GMD 280-FF	2.8 m	7	Cat. 2	27 kW	540 rpm	Fast-Fit
UGMD310	GMD 310-FF	3.1 m	8	Cat. 2	30 kW	540 rpm	Fast-Fit

\*3-Pt Finger Wheel Rakes    \*Trailed Speed Rakes

## 6. Trailed V-Rake (Rovic)



Stock code	Model	Min kW required	Axle	Working width	No. raking wheels	Centre wheel	Transport width
USVR10D	Rovic VR 10D	37 kW	Single	6.6 - 7.5 m	12	Double Fitted std.	2.6 m
USVR12D	Rovic VR 12D	37 kW					

## Trailed SPEED RAKE (Kuhn)

Stock code	Model	Min kW required	Axle	Working width	No raking wheels	Centre wheel	Transport width
USR110	SR 110	15kW	Single axle	5.2 - 6.5 m	10	Single	2.6 m
USR112	SR 112	22kW	Single axle	5.7 - 7.1 m	12	Single	2.8 m
USR312	SR 312	22kW	Tandem	6,4 - 7.4 m	12	Single	2.7 m

## 7. GYRO - RAKE / TEDDER Combination (Rovic, Kuhn)



Stock code	Model	No. Rotors	Working width	Axle Type	Min kW Required	PTO speed
UHT300	HAY TOP 300 (Rovic)	2	3.0 m	Single	11 kW	350-540 rpm
UHB300	HAY BOB 300 (Kuhn)	2	3.0 m	Single	11 kW	350-540 rpm
UHB360	HAY BOB 360 (Kuhn)	2	3.6 m	Single	15 kW	350-540 rpm



8. GYRORAKES 3-Point & Trailed (Kuhn)



Stock code	Model	No. Rotors	Working width	Windrow delivery	Min kW Required	PTO speed
UGA300	GA 300 GM Gyrorake	Single	3.2 m	to the left	15 kW	540rpm
UGA4121	GA 4121 GM Gyrorake	Single	4.1 m	to the right	22 kW	540rpm

9. GYROTEDDERS - 3-Point (Kuhn)



Stock code	Model	No. Rotors	Working width	Min Kw Required	PTO speed	Transport width
UGF502	GF 502 Gyrotedder	4	5.0 m	15 kW	540 rpm	2.85 m

10. TRAILED Horizontal Feeder Mixer Wagon (Seko)



Stock Code	Model	Min kW	Ø Auger	Capacity m³ / Ton	Control	Chain Lubrication	Conveyor R.H.	Axle	Wheels
SEK7-450/70	Sam7 - 7 m³	30 kW	450 mm	7 m³ / 2.45 t	Cable	Manual	1.8 m (Chain)	Single	285/70 R19.5
SEK7-500/130	Sam7 - 13 m³	53 kW	500 mm	13 m³ / 4.55 t	Electric	Automatic	1.8 m (Chain)	Single	315/70 R22.5
SEK7-500/170	Sam7 - 17 m³	66 kW	500 mm	17 m³ / 5.95 t	Electric	Automatic	1.8 m (Chain)	Single	315/70 R22.5

11. TRAILED Vertical Feeder Mixer Wagon (Seko)



Stock Code	Model	Min kW	Control	Capacity m³ / Ton	Axle	Wheels	Conveyor R.H. Front	Vert. Augers (20mm thick)	Counter Blades (Hydraulic)
SEK-VML140	Tiger VML140	66 kW	Electric	14 m³ / 4.9 t	Single	19/45 R17.0	1.4 m (Chain)	x 2	x 2
SEK-VML160	Tiger VML160	74 kW	Electric	16 m³ / 5.6 t	Single	445/45 R19.5	1.4 m (Chain)	x 2	x 2
SEK-VML200	Tiger VML200	81 kW	Electric	20 m³ / 7 t	Single	445/45 R19.5	1.4 m (Chain)	x 2	x 2

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## 12. Quicke Parallel Lift Loaders



Characteristics	Versa X Series			
	X2-S	X3-S	X4-S	X5-S
Working cycle (Hours per year)	Up to 500 hrs per year			
Intensity	General day to day material handling			
Max Lift height (Under level implement)	±2.9 m	± 3.2 m	± 3.5 m	± 3.7 m
Max. Lift capacity (80 cm from Pivot point)	1,220 kg	1,520 kg	1,590 kg	1,680 kg
*Rated for tractors	29-44 kW	37 - 51 kW	44 - 61 kW	51 - 90 kW
Quick hitch tool carrier (Euro one)	Standard			
Parallel Lift	Standard			
Hydraulic operation	Remote Joy-stick (cable) c/w Multi-coupler			
Sub-Frame	Drive-in type			
Grill Guard	Optional			

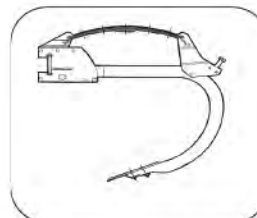
*\* Note! The model loader relevant to tractor size (kW) is merely indicative. For correct pairing please submit the make and model tractor to your nearest Rovic Leers Branch and request that they confirm the model loader suggested will fit your tractor.*



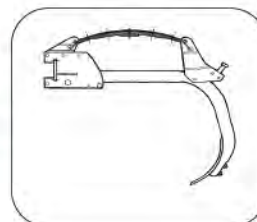
Characteristics	Q-series			
	Q4-S	Q5-S	Q6-M	Q7-M
Working cycle (Hours per year)	up to 2000 hrs per year			
Intensity	Heavy / Arduous (eg. Silage /Contracting)			
Max Lift height (Under level implement)	± 3.49 m	±3.76 m	± 3.95 m	± 4.3 m
Max. Lift capacity (80 cm from Pivot point)	1,920 kg	1,980 kg	2,470 kg	2,490 kg
*Rated for tractors	60 - 105 kW	75 - 135 kW	90 - 165 kW	105 - 208 kW
Quick hitch tool carrier (Euro one)	Standard			
Parallel Lift	Standard			
Hydraulic operation	Remote Joy-stick (cable) c/w Multi-coupler			
Sub-Frame	Drive-in type			
Grill Guard	Standard			



## 13. Rovic Super 19 / DLB19 Rippers



The SUPER 19 tine has been developed to work in stony / sandy soils with a deep plough bank. The unique design of the shank allows for quick and easy deep penetration in the toughest of soils.



The DLB 19 tine has specifically been designed to work in stony soils with a high clay content and a medium depth plough bank. The unique design of the shank minimises the breaking of clods and in doing so facilitates seedbed preparation.



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# SEM816D Track Type Tractor

## SEM816D

**Efficient:** The electronically controlled hydrostatic drive system and multi-functional joystick provide high levels of performance and maneuverability.

**Comfortable Operation:** The cabin is ergonomically designed for increased operator comfort and visibility. The advanced monitoring system tracks machine operating conditions and keeps the operator informed of all vital machine functions.

**Reliable:** The proven hydrostat design along with world class pump and motors provide a highly reliable tractor. The undercarriage components are designed for longer life versus the leading competitor.

**Serviceability:** The SEM tractors are designed for easy access to reduce overall maintenance time. The machine's electronic control module allows for quick troubleshooting.

### Main Specification

	SEM816D	SEM816D LGP	SEM816D DS	SEM816D CH	SEM816D FR
<b>Model</b>					
Operating Weight	16,900kg	19,490kg	15,750kg	17,100kg	18,550kg
Ground Pressure	66.8kPa	31.1kPa	34.8kPa	61.8kPa	66.9kPa
Ground Clearance	410mm	410mm	410mm	410mm	410mm
Max. Slope	30°	30°	30°	30°	30°
<b>Engine</b>					
Model	WD10G178E25	WD10G178E25	WD10G178E25	WD10G178E25	WD10G178E25
Rated Power	131kW	131kW	131kW	131kW	131kW
<b>Working Tool</b>					
Blade Type	SU	S	LGP	LGP	U
Blade Capacity	4.3m <sup>3</sup>	3.5m <sup>3</sup>	3.4m <sup>3</sup>	3.4m <sup>3</sup>	5.6m <sup>3</sup>
Blade Width	3,160mm	3,590mm	4,410mm	4,410mm	3,860mm
Blade Height	1,240mm	1,165mm	1,000mm	1,000mm	1,400mm
Max. Blade Digging Depth	430mm	430mm	470mm	470mm	430mm
Max. Blade Lift Ground Clearance	1,041mm	1,041mm	1,055mm	1,055mm	1,041mm
Max. Output Rimpull	280kN	280kN	280kN	280kN	280kN
Maximum Digging Depth Of Ripper	884mm	/	/	884mm	884mm
Maximum Clearance Under Tip	615mm	/	/	615mm	615mm
<b>Powertrain</b>					
Type	dual-path, closed loop electronically controlled hydrostatic drive system				
Travel Speed-F/R	infinitely variable speeds 0-10 km/h				
Steering & Brake	hydrostatic steering; wet, multi-disc brake				
Minimum Steering Radius	3,610mm	3,740mm	3,740mm	3,610mm	3,610mm
<b>Undercarriage</b>					
Track Shoe Width-Single	510mm	/	950mm	560mm	560mm
Track Shoe Width-APEX	/	1,050mm	950mm	/	/
Track Shoe Quantity	37	42	42	37	37
Length Of Track On Ground	2,430mm	2,325mm	2,325mm	2,430mm	2,430mm
Track Gauge	1,880mm	2,300mm	2,300mm	1,880mm	1,880mm
Track Roller Quantity	6	7	7	6	6
Carrier Roller Quantity	2	2	2	2	2
<b>Hydraulic System</b>					
Type	center close, pilot control				
Implement Hydraulic System Pressure	19 MPa				
<b>Service Refill Capacities</b>					
Fuel Tank	320L	320L	320L	320L	320L
Cooling System	45L	45L	45L	45L	45L
Engine Crankcase	24L	24L	24L	24L	24L
Final Drive (each side)	30L	40L	40L	30L	30L
Hydraulic Tank	140L	140L	140L	140L	140L
Pivot Shaft Case (each side)	1.2L	1.2L	1.2L	1.2L	1.2L

### Dimensions

#### SEM816D



#### SEM816D LGP



#### SEM816D CH



#### SEM816D DS



#### SEM816D FR





# SEM639B Wheel Loader

## Main Specifications

- Rated Load Capacity ..... 3,000 kg
- Operating Weight ..... 9,900 kg
- Bucket Capacities ..... 1.5-2.5 m<sup>3</sup>
- Overall Dimensions L\*W\*H\* (mm) ..... 7120×2354×3137

## Engine

- Model ..... Deutz WP6G125
- Rated Gross Power ..... 92 kW/123 hp
- Bore ..... 105 mm
- Stroke ..... 130 mm
- Displacement ..... 6.56 L
- Peak Torque ..... 540 N.m

## Operating Specifications

- Max. Rimpull ..... 97 kN
- Breakout Force ..... 111 kN
- Full turn static tipping Load ..... 5856 kg

## Hydraulic System

- Pump Displacement-Implement Pump ..... 100 ml/rev
- System Pressure Setting ..... 18 MPa
- Hydraulic Cycle Times :
- Raise ..... 4.6 s
- Dump ..... 0.9 s
- Lower (Empty,Float Down) ..... 2.8 s
- Total ..... 8.3 s

## Steering

- Steering Angle Left/Right ..... 38°±1°
- Minimum Turning Radius Over Rear Tire ..... 4971 mm

## Axle

- Brand ..... Meritor-30
- Front ..... Fixed with Calipers
- Rear ..... Fixed with Osc.Frame and Calipers
- Maximum Single-Wheel Rise and Fall ..... Oscillating±12°

## Brake System

- Service Brake ..... Dry & Caliper,Air-to-Oil Control
- Parking Brake ..... Drum-Type Shoe Brake, Spring Applied & Air Released

## Transmission

- Type ..... Countershaft Power Shift
- Travel Speed:
- Forward ..... I 7.4 km/hr II 13.6 km/hr
- Reverse ..... 9.3 km/hr 30.5 km/hr
- Travel Speed:
- Forward ..... III 25.3 km/hr IV 40.5 km/hr

## Service Refill Capacities

- Cooling System ..... 30 L
- Engine Lubricating Oil ..... 16 L
- Oil for Converter and Gear Box ..... 45 L
- Differentials and Final Drives:
- Front ..... 10 L
- Rear ..... 10 L
- Hydraulic Tank ..... 112 L

## Tires

- Size ..... 17.5-25
- Type ..... Bias
- Layers ..... 12
- Textured Type ..... L3/E3
- Air Pressure ..... Front 350 kPa/Rear 300 kPa

## Arrangement Drawing



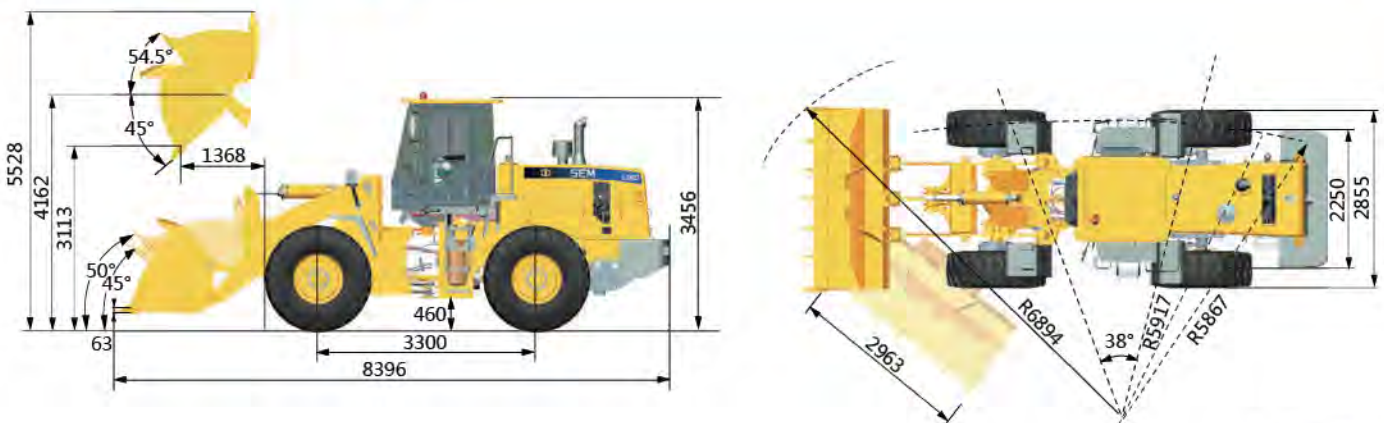


## SEM656D Wheel Loader

### Main Specifications

Items		SEM656D	Items		SEM656D
<b>Main Specifications</b>			<b>Engine</b>		
Rated Load	kg	5 000	Model		WD10
Operating Weight with Standard Bucket	kg	17 100	Rated Power	kW	162
Bucket Capacity	m <sup>3</sup>	2.7-4.5	Rated Speed	r/min	2 000
Wheel Base	mm	3 300	Displacement	L	9.726
Overall Dimension (outside of tire)	mm	8 396x2 963x3 456	<b>Implement Hydraulic</b>		
<b>Operating Specifications</b>			Implement System Type		
Breakout Force (GRD)	kN	173	Boom Raise Time	s	5.13
Dump Clearance	mm	3 113	Hydraulic Cycle Time (rated payload)	s	9.3
Articulated Angle	°	38±1	System Pressure Setting	Mpa	18
<b>Transmission</b>			<b>Brake System</b>		
Transmission Type		Countershaft, power shift	Service Brake		Dry & caliper, air to oil control
Transmission Gears		F4/R4	Parking Brake		Drum type shoe brake, spring applied & oil released
Torque Converter Type		Single stage 3 elements	<b>Steering System</b>		
Maker & Type		TR200	System Type		Flow amplifying
Forward I/ Reverse I	km/h	8.6/8.6	Steering Pump Type		Piston pump
Forward II/ Reverse II	km/h	16/16	System Pressure Setting	Mpa	16
Forward III/ Reverse III	km/h	25/25	Steering Angle (L/R)	°	38±1
Forward IV/ Reverse IV	km/h	43/43	<b>Tires</b>		
<b>Axle</b>			Size		23.5-25
Main Drive Type		Spiral bevel gear, single stage	Type		Bias
Final Drive Reduction Type		Planetary type, single stage	Layer		16
Rear - Oscillating +/-	°	±11	Textured Type		L3

### Machine Dimensions



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## SEM510/512 Soil Compactor

### Specifications

Items	Unit	SEM510	SEM512
<b>Engine Specification</b>			
Emission		China Stagell	China Stagell
Std Rated Power-Gross	kW	97.5	97.5
Rated Speed	r/min	2,200	2,200
Composite Work Cycle Fuel Consumption (l/hour)	N.m/rpm	560/1,400-1,600	560/1,400-1,600
Ambient Capability-STD Sea Level	Deg C		
Ambient Capability-HA Sea Level	Deg C	49	49
Ambient Capability-Cold Weather	Deg C	-10	-10
<b>Operating Specifications</b>			
Machine Mass w/Std Config	kg	10,000+3%	12,000+3%
Weight at Drum w/Std Config	kg	5,900+3%	6,900+3%
Weight on Rear Axle	kg	4,100	5,100
Static Linear Load	N/cm	217	317
Max. Grade Ability w/o vibration	%	45	45
Articulated Angle	°	33±1	33±1
Turning Radius Inside Drum Edge	mm	5,990	5,990
Compaction Width	mm	2,130	2,130
<b>Travel Speed</b>			
Lo Range	km/h	0 to 5.5	0 to 5.5
Hi Range	km/h	0 to 12	0 to 12
<b>Hydraulic Cycle Time</b>			
Full Turn Time	s	6±0.5	6±0.5
<b>Vibratory System</b>			
Frequency-Hi/Lo	HZ	33/30	33/30
Amplitude-Hi/Lo	mm	0.90/1.80	0.90/1.80
Centrifugal Force-Hi/Lo	kN	130/215	150/245
<b>Dimensions</b>			
Machine Dimensions[L*W*H]	mm	5,815*2,290*3,130	5,815*2,290*3,130
Oscillation Angle	°	10±1	10±1
Wheelbase	mm	2,900	2,900
Tread Width	mm	1,600	1,600
Drum Width	mm	2,130	2,130
Drum Diameter	mm	1,590	1,600
<b>Tire Specs</b>			
Tire Pressure Setting	Mpa	0.35	0.35



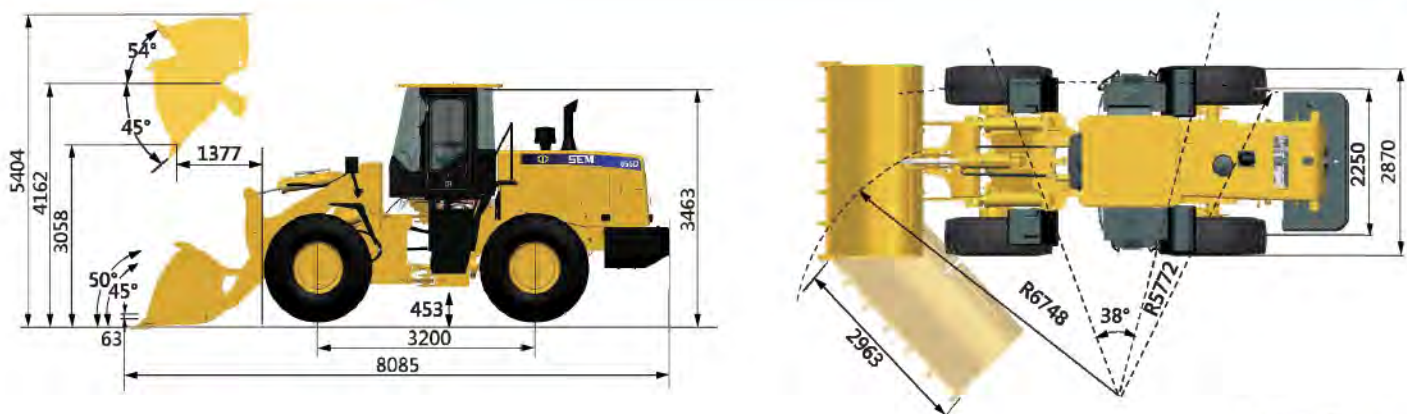


## SEM655D Wheel loader

### Main Specifications

Items		SEM655D	Items		SEM655D
<b>Main Specifications</b>			<b>Engine</b>		
Rated Load	kg	5 000	Model		Weichai WD10G
Operating Weight with Standard Bucket	kg	16 800	Rated Power	kW	162
Bucket Capacity	m <sup>3</sup>	2.7-4.5	Rated Speed	r/min	2 000
Wheel Base	mm	3 200	Displacement	L	9.726
Overall Dimension	mm	8 085x2 963x3 463	<b>Implement Hydraulic</b>		
<b>Operating Specifications</b>			Implement System Type		
Breakout Force	kN	168	Boom Raise Time	s	5.13
Dump Clearance	mm	3058	Hydraulic Cycle Time	s	9.5
Articulated Angle	°	38±1	System Pressure Setting	Mpa	17
<b>Transmission</b>			<b>Brake System</b>		
Transmission Type		Countershaft, power shift	Service Brake		Dry & caliper, air to oil control
Transmission Gears		F4/R4	Parking Brake		Drum type shoe brake, spring applied & oil released
Torque Converter Type		Single stage 3 elements	<b>Steering System</b>		
Maker & Type		SEM TR200	System Type		Flow amplifying
Forward I/ Reverse I	km/h	7.8/7.8	Steering Pump Type		Gear pump
Forward II/ Reverse II	km/h	15/15	System Pressure Setting	Mpa	16
Forward III/ Reverse III	km/h	22/22	Steering Angle (L/R)	°	38±1
Forward IV/ Reverse IV	km/h	39/39	<b>Tires</b>		
<b>Axle</b>			Size		23.5-25
Main Drive Type		Spiral bevel gear, single stage	Type		Bias
Final Drive Reduction Type		Planetary type, single stage	Layer		16
Rear - Oscillating +/-	°	±11	Textured Type		L3/E3

### Machine Dimensions



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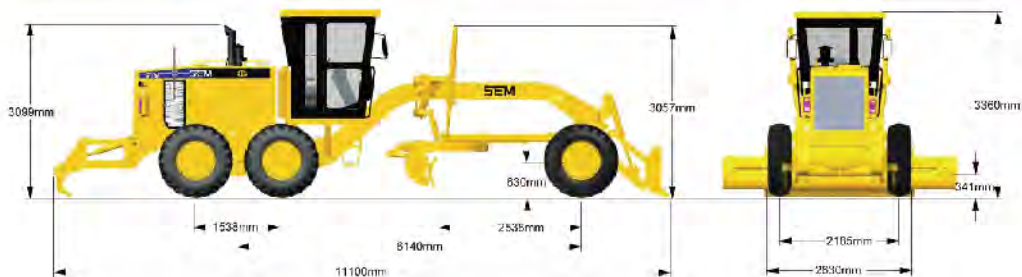


## SEM919/921 Motor Grader

### Specifications

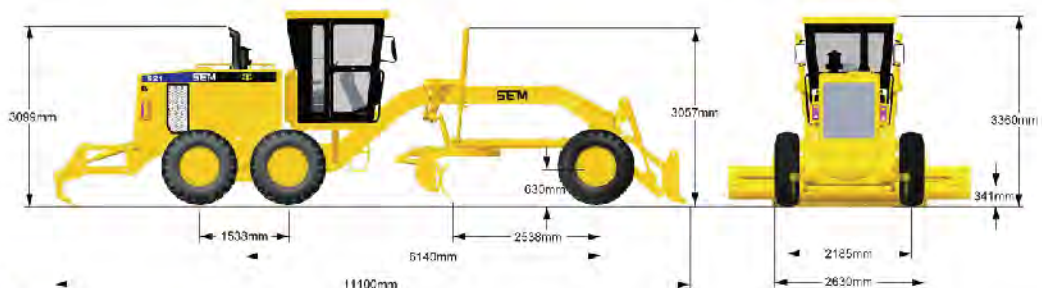
Items	SEM919	SEM921
Operation Weight (Base Machine)	15070kg	15930kg
Overall Dimensions (L*W*H)	8703*2630*3360mm	8854*2630*3360mm
Blade Length (L*W*H)	3974*25*607mm	4279*25*607mm
Max. Lifting Height	475mm	475mm
Max. Depth of Cut	715mm	715mm
Max. Drawbar	≥78kN	≥85kN
Wheelbase	6140mm	6140mm
Frame Articulation Angle	20°	20°
Min. Turning Radius	7.8m	7.8m
Engine Brand	SDEC SC8D190.1G2	SDEC SC8D220G2
Rated power	140kw	162kW
Transmission Type	Hangchi 6WG180	Hangchi 6WG180
Travel Speed (Forward/Rear)	40/25km/h	40/25km/h
Rear Axle/Tandem	Meritor 18MRH-X240	Meritor 18MRH-X240
Service brake	Drum type shoe brake, Air to oil control	Drum type shoe brake, Air to oil control
Oscillation (Front up/Rear up)	15/25°	15/25°
Max. Oscillation Angle	±16°	±16°
Steering Angle (Left/Right)	47.5°	47.5°
Max. Lean Angle of Front Wheels	18°	18°
Hydraulic System	Load Sensing	Load Sensing

### Dimensions



SEM919

SEM921



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- HARDI FRONTIER**
- 2 500 L Tank
  - 18 -24 metre Hydraulic Boom
  - 364/464 Pump
  - EVC 5 Section Electronic Operating Unit
  - Spray Box 5
  - HC 5500 Spray Controller
  - Turbo Filler
  - Quick Fill
  - ISOBUS (No GPS Included)
  - 13.6 X 38" Wheels & Rims



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#### HARDI COMMANDER

- 3300/4500/5500/7000L
- Delta Force 18-24 metre
- Twin Force Booms -18 -30 metre (Kousbalk)
- 364/464 Pump
- EFC 9-14 Electronic operating unit
- D4 Fluid Regulator
- Air Suspension
- 520R x 38" Wheels
- Accumulators for "ANTI YAW"
- Lock Cylinders
- Safe Tracking
- Electronic Tank metre
- 35 L Turbo Filler
- 500 L Clean water tank
- 20 L Hand wash tank
- Hardi ISOBUS with Joystick and Set box
- SMARTCOM Electronic platform
- NORAC UC7 Ultrasonic sensors Boom height control
- Inline Filters
- UV Lights
- Quick fill



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#### HARDI MASTER

- 1 000 L /1 200 L
- Quick hitch
- 1303/364 Pumps
- 14, 16, 18 Hydraulic Booms
- EVC 5 Section Electronic Operating Unit
- Spray Box 5
- HC 5500 Spray Controller
- Turbo Filler
- Quick Fill
- ISOBUS (No GPS Included)



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#### HARDI NAVIGATOR

- 3 000/4 000/5 000/6 000L
- 24 -36 metre Booms (SPC/DDZ)
- 364/464 Pump
- EFC 9-14 Electronic operating unit
- D4 Fluid Regulator
- Air Suspension
- 520R x 38" Wheels
- Accumulators for "ANTI YAW"
- Lock Cylinders
- Electronic Tank metre
- 35 L Turbo Filler
- 500 L Clean water tank
- 20 L Hand wash tank
- HARDI ISOBUS with Joystick and Set box
- SMARTCOM Electronic platform
- NORAC UC7 Ultrasonic sensors Boom height control
- Inline Filters
- UV Lights
- Quick fill



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#### HARDI NK

- 600/800 L Capacity
- 603/1203 Pump
- 6,8,10 Metre SB Boom
- 12, 15 Metre MB Boom (Trapezium)
- BK3 Section Manual Operating unit
- Single ISO Nozzles + Non drip Nozzle Bodies
- Clean water tank



#### HARDI RANGER

- 2 500 L Tank
- 18 -24 metre Hydraulic Boom
- 364/464 Pump
- EVC 5 Section Electronic Operating Unit
- Spray Box 5
- HC 5500 Spray Controller
- Turbo Filler
- Quick Fill
- ISOBUS (No GPS Included)
- 13.6 X 38" Wheels & Rims
- UV Lights
- Inline Filters

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# AgriCAD - vir sukses

- 'n Hoë uittapkapasiteit van 5 ton per minuut
- 80 000 liter bufferkapasiteit (66.5ton)(SG± 0,832)
- *SG verkry soos gepubliseer in 2017/18 SAGL verslag*
- 4.2m standaard uittaphoogte
- Vloedlig op uittapkop om naglaai te vergemaklik
- Toerloseil vir beskerming teen die elemente
- Opsionele elektroniese weegstelsel met drukker



## LANDSILO

Verhoog stroop potensiaal met tot 15%  
ROL NA PLANT:

- Stroop laer met kleiner risiko
- Verminder brekasies tydens strooppreses
- Vinniger opbreking van mielie stoppels
- Vog retensie word verbeter

ROL VOOR PLANT:

- Gelyke saadbed
- Konstante plantdiepte
- Verbeterde saad ontkieming
- Verminderde slytasie op planter, spuit en stroper



## LANDROLLER REEKS



for the LOVE of the LAND



# LAAT **AGRICAD** DIE WERK VIR JOU DOEN

## Modelle

TF16C: 16 000 liter ± 13 ton

TF24C: 24 000 liter ± 20 ton

TF34C: 34 000 liter ± 28 ton

TF38C: 38 000 liter ± 31.5 ton

SG± 0,832: SG verkry soos gepubliseer in 2017/18 SAGL verslag

- 'n Hoë 5 ton per minuut uittapkapasiteit (TF34C/TF38C 8 ton per minuut)
- Hidroliese bottom-dump
- Unieke auger ontwerp
- 4m/4.2m standaard uittap hoogte
- Wye flotasiebande
- Toerolseil vir beskerming teen die elemente



## GRAANTAPKAR

## Modelle

BF073: 7 000 liter ±7 ton

BF105: 10 500 liter ±10.5 ton

BF150: 15 000 liter ±15 ton

BF152: 15 000 liter ±15 ton (dubbel awegaar)

- Laaimeganisme om massa- sowel as gesakte kunsmis maklik en vinnig te laai
- Maksimum verstelbare uittapspoed van tot 1 ton per minuut om verpoeiing te minimaliseer



## KUNSMIS TAPKAR

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**vkb**





## PRECISION SLII 8 - 16 - ROW



SLII 8-16 - ROW	SLII 8/762	SLII 8/914	SLII 12/762	SLII 12/914	SLII 16/762	SLII 16/914
NUMBER OF ROWS	8	8	12	12	16	16
ROW SPACING (MM)	762	914	762	914	762	914
MAIN WHEEL TRACK WIDTH (M)	3	3.65	3	3.65	3	3.65
TRACTOR POWER REQUIRED (KW)	120	120	180	180	240	240
FRAME STYLE	3 - SECTION VERTICAL FOLDING FRAME					
HITCH STYLE	DRAWBAR FOR CAT3			DRAWBAR WITH HARDENED INSERT FOR CAT4 OR CAT5 PIN		
WORKING WIDTH (M)	6.1	7.3	9.1	11	12.2	14.6
TRANSPORT WIDTH (M)	5.3	5.3	5.3	5.3	7.2	7
TRANSPORT HEIGHT (M)	3.5	4.2	4.6	5.5	4.8	5.9
SEED HOPPER VOLUME PER ROW (L)	75					
FERTILIZER HOPPER TOTAL VOLUME (L)	3 BINS TOTAL = 4 750 (1 550   1 650   1 550)			3 BINS TOTAL = 6 150 (2 250   1 650   2 250)		

## SLII 12 - 16 - ROW NARROW AND 24 - ROW ULTRA



SLII 12-16 - ROW NARROW AND SLII 24 - ROW ULTRA	SLII 12/762N	SLII 12/914N	SLII 16/762N	SLII 16/914N	SLII 24/762 ULTRA	SLII 24/914 ULTRA
NUMBER OF ROWS	12	12	16	16	24	24
ROW SPACING (MM)	762	914	762	914	762	914
MAIN WHEEL TRACK WIDTH (M)	3	3.65	3	3.65	3	3.65
TRACTOR POWER REQUIRED (KW)	180	180	240	240	360	360
FRAME STYLE	2 - SECTION FORWARD FOLDING				3 - SECTION FRONT FOLD FRAME WITH VERTICAL TILT	
HITCH STYLE	DRAWBAR WITH HARDENED INSERT FOR CAT4 OR CAT5				2 - POINT HITCH CAT4	
WORKING WIDTH (M)	9.1	11	12.2	14.6	18.3	21.9
TRANSPORT WIDTH (M)	3.5M - 762 SPACING AND 4.2M - 914 SPACING				5	5
TRANSPORT HEIGHT (M)	4.8	4.8	4.8	4.8	5	5
SEED HOPPER VOLUME PER ROW (L)	75					
FERTILIZER HOPPER TOTAL VOLUME (L)	3 BINS TOTAL = 4 750 (1 550   1 650   1 550)	3 BINS TOTAL = 6 150 (2 250   1 650   2 250)			3 BINS TOTAL = 6 150 (2 250   1 650   2 250) OR 4 BINS TOTAL = 7 800 *TRACKS COMPULSORY (2 250   1 650   1 650   2 250)	



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## PRECISION CII 8 - 24 - ROW NARROW TRANSPORT



CII 8 - 24 - ROW NARROW	CII 8/762N	CII 8/914N	CII 12/762N	CII 12/914N	CII 16/762N	CII 16/914N	CII 24/508N
NUMBER OF ROWS	8	8	12	12	16	16	24
ROW SPACING (MM)	762	914	762	914	762	914	508
MAIN WHEEL TRACK WIDTH (CM)	3.048	3.65	2.8	3.65	3	3.65	3
TRACTOR POWER REQUIRED (KW)	96		144		192		288
FRAME STYLE	2 - SECTION VERTICAL FOLDING FRAME		2 - SECTION FORWARD FOLDING				
HITCH STYLE	DRAWBAR FOR CAT3		DRAWBAR FOR CAT4 OR CAT5				
WORKING WIDTH (CM)	6.1	7.3	9.1	11	12.2	14.6	12.2
TRANSPORT WIDTH (CM)	3.5M - 762 SPACING AND 4.2M - 914 SPACING						
TRANSPORT HEIGHT (CM)	3.5			4.5			
SEED HOPPER VOLUME PER ROW (L)	75						
FERTILIZER HOPPER TOTAL VOLUME (L)	3 BINS TOTAL = 4 750 (1 550   1 650   1 550)			3 BINS TOTAL = 6 150 (2 250   1 650   2 250) GRANULAR OR LIQUID			

## CII 24 - ROW NARROW AND 24 - 36 - ROW ULTRA



CII 24 - ROW NARROW AND CII 24 - 36 ROW ULTRA	CII 24/762N	CII 24/914 ULTRA	CII 36/508 ULTRA
NUMBER OF ROWS	24	24	36
ROW SPACING (MM)	762	914	508
MAIN WHEEL TRACK WIDTH (CM)	3	3.65	3
TRACTOR POWER REQUIRED (KW)	288	288	432
FRAME STYLE	2 - SECTION FORWARD FOLDING	3 - SECTION FRONT FOLD FRAME WITH VERTICAL TILT	
HITCH STYLE	DRAWBAR FOR CAT4 OR CAT5	2 POINT HITCH CAT4	2 POINT HITCH CAT4
WORKING WIDTH (CM)	18.3	21.9	18.3
TRANSPORT WIDTH (CM)	3.5	5	5
TRANSPORT HEIGHT (CM)	4.5	5	5
SEED HOPPER VOLUME PER ROW (L)	75		
FERTILIZER HOPPER TOTAL VOLUME (L)	3 BINS TOTAL = 6 150 (2 250   1 650   2 250)		
	4 BINS TOTAL = 7 800 *LIMITED LIQUID TANK OPTIONS (2 250   1 650   1 650   2 250)	4 BINS TOTAL = 7 800 *TRACKS COMPULSORY (2 250   1 650   1 650   2 250)	

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## SEED & FERTILIZER DISTRIBUTION

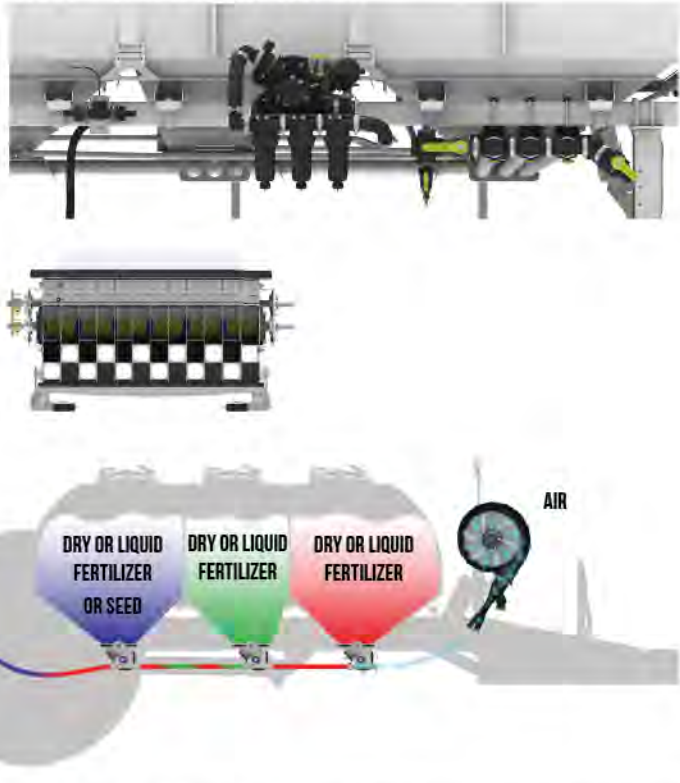
### EQUALIZER SELF-CLEANING FERTILIZER METERBOX

- STAINLESS STEEL WITH SELF-CLEANING POLY METER ROLLER
- ACCURATE, VERSATILE, AND SIMPLE WITH EFFORTLESS CALIBRATION
- ONE METERING ROLLER FOR ALL FERTILIZER TYPES AND SIZES
- DIRECT FERTILIZER SUPPLY TO EACH ROW FOR 8 - 16 - ROW MACHINES
- Y SPLITTERS FOR FERTILIZER SUPPLY ON 24 - ROW MACHINES



### EQUALIZER LIQUID FERTILIZER EQUIPMENT

- THE POLYETHYLENE TANKS ARE SUITABLE FOR LIQUID AS WELL AS GRANULAR FERTILIZER
- WHEN EQUIPPED WITH LIQUID TANKS, BANJO TANK FITTINGS, MANIFOLDS, VALVES AND THREE STAGE FILTERS ARE STANDARD



3 Bin 4500L Hopper as used for the following planters:				SLII-8/762, SLII-8/914, SLII-12/762, SLII-12/762N, CII-8/762N, CII-8/914N, CII-12/762N	
Bin 1	Bin 2	Bin 3	Description	Drive Options	
G	G	G	All Granular	Hydraulic motor per bin or 1 motor for all 3 bins or Ground drive with 1xZeroMax per bin.	
G	L2	G	Granular; 1 Liquid	G: Hydraulic motor per bin only or Ground*    L: Hydraulic or Ground*	
L1	L1	L1	All Liquid, 1 Pump	Hydraulic or Ground*	
L1	L2	L1	All Liquid, 2 Pumps	Hydraulic or Ground*	
3 Bin 6150L Hopper as used for the following planters:				SLII-12/914, SLII-16/762, SLII-20/762, SLII-12/914N, SLII-16/762N, SLII-16/914N, CII-16/762N, CII-12/914N, CII-24/508N	
Bin 1	Bin 2	Bin 3	Description	Drive Options	
G	G	G	All Granular	Hydraulic motor per bin or 1 motor for all 3 bins or Ground drive with 1xZeroMax per bin.	
G	G	C	Granular; Central Seed	G: Hydraulic motor per bin only or Ground*	
G	L2	G	Granular; 1 Liquid	G: Hydraulic motor per bin only or Ground*    L: Hydraulic or Ground*	
L1	L1	L1	All Liquid, 1 Pump	Hydraulic or Ground*	
L1	L2	L1	All Liquid, 2 Pumps	Hydraulic or Ground*	
L1	L1	C	Liquid 1 Pump; Central Seed	Hydraulic or Ground*	
C	L2	C	All Central Seed with 1 Liquid Pump	Hydraulic or Ground*	
4 Bin 7800L Hopper as used for the following planters:				SLII-24/762 Ultra, SLII-24/914 Ultra, CII-24/762N, CII-24/914 Ultra, CII-36/508 Ultra	
Bin 1	Bin 2	Bin 3	Bin 4	Description	Drive Options
G	G	G	G	All Granular	G: Hydraulic motor per bin only
G	G	G	C	Granular; Central Seed	G: Hydraulic motor per bin only
G	L2	G	G	Granular; 1 Liquid	G: Hydraulic motor per bin only    L: Hydraulic only
G	L2	G	C	Granular; 1 Liquid; Central Seed	G: Hydraulic motor per bin only    L: Hydraulic only
L1	L1	L1	N/A	All Liquid, 1 Pump	Hydraulic only
L1	L2	L1	N/A	All Liquid, 2 Pumps	Hydraulic only
L1	L1	C	N/A	Liquid 1 Pump; Central Seed	Hydraulic only
L1	L2	C	N/A	Liquid 2 Pumps; Central Seed	Hydraulic only
C	L2	C	N/A	All Central Seed with 1 Liquid Pump	Hydraulic motor for P1

\* Ground drive is still under development for Narrow frame planters and availability thereof will be confirmed. This option will not be available with telescopic axles.



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### OIL AGRIFARM STOU SAE 15W40

High Performance Multifunctional Oil (STOU / MFO) for engines, manual gearboxes, wet brakes, hydraulics in tractors and other agricultural equipment.

Specifications:  
API GL-4

Approvals:  
• FENDT KDM 17/2012

FUCHS recommendations:

- ACEA E2
- API CF-4
- CNH MAT 3525, 3526
- DIN 51524 : HLP (-D)
- FNHA 200.00, 201.00
- FORD M2C134-D, M2C159-B/C
- JOHN DEERE JDM J20C
- MASSEY FERGUSON CMS M 1145, 1144, 1143, 1139, 1135
- NEW HOLLAND 82009201/2/3
- NH 420A
- SAE J306: 80W-90
- SDFG OU 1391, OT 1891
- STEYR D-401
- ZF TE-ML 06A, 06B, 06C, 07B



### OIL TITAN TRUCK PLUS SAE 15W40

Ultra High Performance Engine Oil for a variety of diesel and gasoline engines. Specially for highly-loaded commercial vehicle diesel engines. Lower oil consumption.

Specifications:

- ACEA E7
- API CI-4/SL
- GLOBAL DHD-1
- CAT ECF-1-a/ECF-2

Approvals:

- CUMMINS CES 20076/7/8
- DETROIT DIESEL 93K215
- DEUTZ DQC III-18
- MACK EO-N
- MB-APPROVAL 228.3
- MTU DDC TYPE 2
- RENAULT RLD/RLD-2
- VOLVO VDS-3



### OIL TITAN SUPERGEAR SAE 80W-90

Ultra High Performance Gear Oil for extended oil change intervals for axles and gear boxes.

Specifications:

- API GL-4/GL-5

Approvals:

- EvoBus 26.000-025
- MAN 342 TYPE M2
- ZF TE-ML 05A, 12E, 17B, 19B, 21A (ZF000647)

FUCHS recommendations:

- MIL-L-2105 D
- VOLVO 97310
- NH 520A
- STEYR B-101

### OIL TITAN SUPER GEAR SAE 85W140

Ultra High Performance Gear Oil for extended oil change intervals for axles and gear boxes.

Specifications:

- API GL-4/GL-5

Approvals:

- EvoBus 26.000-025
- ZF TE-ML 05A, 12E, 16D, 21A (ZF000650)

FUCHS recommendations:

- MIL-L-2105 D
- VOLVO 97310



## OIL RENOLIN HO 68

Zinc free, mineral hydraulic oils blended from carefully selected virgin base oils in combination with selected ashless anti-wear, anti-rust, antioxidant and anti-foam additives.  
ISO 68

### Specifications:

- DIN 51 524 PART 2
- SPERRY VICKERS I-286-S
- AFNOR NFE 48603 (HM)
- SABS SPECIFICATION 1218/84

### Application areas:

- All types of hydraulic systems including gear, piston and vane type pumps.
- For most general industrial bearing and circulating oil systems which do not require oil with extreme pressure properties.
- NOT to be used in turbine lubrication



## ANTI-FREEZE MAINTAIN FRICOFIN JF 50

Antifreeze 50/50 is a ready to use antifreeze coolant based on Monoethylene Glycol and demineralized water, formulated to meet the requirements of modern cooling systems.

### Applications:

- Passenger cars
- Commercial vehicles
- Agricultural and off-highway equipment

Miscible and compatible with all coolants of the same specification, however to guarantee the product results and benefits, it is recommended not to mix any products.



## OIL TITAN CARGO 15W40

Ultra High Performance Engine Oil for a variety of diesel and gasoline engines. Specially for highly-loaded commercial vehicle diesel engines. Lower oil consumption.

### Specifications:

- ACEA E7
- API CI-4/SL
- GLOBAL DHD-1
- CAT ECF-1-a/ECF-2

### Approvals:

- CUMMINS CES 20076/7/8
- DETROIT DIESEL 93K215
- DEUTZ DQC III-18
- MACK EO-N
- MB-APPROVAL 228.3
- MTU DDC TYPE 2
- RENAULT RLD/RLD-2
- VOLVO VDS-3



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PEOPLE.



### OIL AGRIFARM UTTO HTF

AGRIFARM UTTO HTF is manufactured and designed as a problem-solver for transmissions, final drives, hydraulics and oil immersed brakes of agricultural tractors and certain off-highway equipment.

- Applications:**
- Transmissions
  - Final drives
  - Hydraulic systems
  - Oil immersed brakes
  - PTO's of agricultural equipment

- Specifications:**
- API GL-4

- FUCHS Recommendations:**
- SAE J300: 15W-30
  - SAE J306: 80W
  - MASSEY FERGUSON CMS M 1135
  - CNH MAT 3505

### OIL AGRIFARM UTTO MP

Ultra High Performance Multifunctional Oil (UTTO/MFO) for use in transmission and hydraulic systems with integrated wet brakes, clutches and differentials for agricultural and construction machinery.

- Specifications:**
- API GL-4

- Approvals:**
- ZF TE-ML 03E, 05F, 06K, 17E, 21F (ZF002183)

- FUCHS recommendations:**
- AGCO Powerfluid 821 XL
  - AGCO Q-186 (Whitefarm)
  - ALLISON C-4
  - CASE MS 1230, 1210, 1209, 1207, 1206
  - CLAAS / LANDINI / SAME-Transmission
  - CNH MAT 3505, 3506, 3509, 3525, 3526, 3540
  - FNHA-2-C-200.00 / -201.00
  - FORD M2C48-C3, ESN M2C86-B/C, M2C134-D
  - JOHN DEERE JDM J20C
  - KUBOTA UDT FLUID
  - MASSEY FERGUSON CMS M 1145, 1143, 1141, 1135
  - NH 410B
  - SAE J300: 10W-30
  - SAE J306: 75W-80
  - SDFG OT 1891 A
  - VALTRA G2-08, G2-B10



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## Presisiegereed Strooiers

Ekonomiese meerdoelige strooiers. Vir die strooi van kunsmis, kalk of ander droë organiese materiaal. Kapasiteit: 2 - 20 Ton



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# OORLAAIWAENS

14, 18, 21, 24 en 28 ton kapasiteit



**MAAK  
OES  
MAKLIK**

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# Misstrooier

Misstrooier  
Strooi van mis.  
Uitvoer van produk  
dmv. ketting.  
Hidrouliese  
aandrywing.



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Grondvoorbereiding

## Rolmoer en Landroller

Die unieke "V"-lem-ontwerp gee 'n rollende effek, wat die vibrasie op die trekker se trekstang verminder.

Die Landroller is ideaal om die grondoppervlak gelyk te maak.



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**vkb**







Sleepwaens

## Plaaslik vervaardig

Wye reeks laespoed sleepwaens. Vanaf 2 ton tot 20 ton. Platbak, tipper en valkante.

Inloopremme is standaard op alle e-Natis-sleepwaens



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# SPREADERS



## THERE IS MORE THAN ONE WAY TO SPREAD

Radium offers four different classes of spreaders, from specialised models with reduced and compact dimensions to suit viticulture and horticultural practices, to models capable of spreading extremely low rates of fertiliser, to heavy rates of lime and dry organic materials.

### PROSPREAD



Designed with productivity and versatility in mind, ProSpread spreaders offer medium to large-scale farmers, as well as contractors, the ideal choice for spreading low rates of fertiliser up to heavy rates of lime and gypsum, and moderate to heavy rates of dry organic materials.

#### FEATURES

- High-Quality Painted Mild Steel Bin and Chassis Construction
- Ball-Swivel Hitch
- Hitch Safety Chain
- A Robust Parking Jack
- High Flotation Wheels
- Tandem Wheel System (certain models)
- Durable Imported Axles

- Detachable Axles
- A Rear Steering Axle
- Hydraulically Braked Axles
- S-design sprung drawbar
- Inspection Window
- Inspection Ladder

Range includes 8 ton - 20 ton

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vkb





# SPREADERS



## ECONOSPREAD



EconoSpread models provide an economically viable option for small to medium-scale farmers and can spread extremely low rates of various fertilisers, medium and high rates of agricultural lime and gypsum, and low-to-medium rates of dry organic materials.

### FEATURES

- High-Quality Painted Mild Steel Bin and Chassis Construction
- Hitch Safety Chain
- A Robust Parking Jack
- S-design Drawbar
- High Flotation Wheels
- Durable Imported Axles
- Detachable Axles

Range includes 5 ton - 7 ton

## BULKSPREAD



The 1000 mm chain spreader can apply heavy rates of organic materials & spread moderate to heavy rates of lime and gypsum and moderate rates of fertiliser. The large bin capacity allows the farmer to stay in his lands for longer when applying excessive rates of these materials.

### FEATURES

- High-Quality Painted Mild Steel Bin and Chassis Construction
- Hitch Safety Chain
- Robust Parking Jack
- S-design Drawbar
- High Flotation Wheels
- Durable Imported Axles
- Detachable Axles

Range includes 11 ton - 13 ton

## COMPACSPREAD



Crafted to have a delicate touch, with reduced dimensions and a compact design, the CompacSpread is the perfect solution for orchards and vineyards, navigating easily between vines and trees and broadcasting materials across orchards and vineyards, or distributing it evenly and accurately underneath low foliage.

### FEATURES

- High-Quality Painted Narrow Mild Steel Bin and Chassis Construction
- Hitch Safety Chain
- A Robust Parking Jack
- S-design Drawbar
- Orchard/Vineyard Spreading Kit
- High Flotation Wheels
- Durable Imported Axles
- Detachable Axles

Range includes 2.5 ton to 5 ton



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# TILLAGE



## PASTURATOR



### FEATURES

- Robust Frame Construction, manufactured from high-grade square and rectangular tubing
- Universal 3-point Hitches, welded onto the frame and reinforced
- Adjustable Tine Spacing to allow for easier material flow

Range includes 2.1 m - 3.9 m working width

## POWERRIP



### FEATURES

- Robust Frame Construction, manufactured from high-grade square and rectangular tubing
- 500 mm Tine Spacing to optimise work width

Range includes 2.5 m - 7.5 m working width

## HIGH SPEED INLINE DISC



### FEATURES

- Compact and Robust Frame Design
- Greater Accessibility during Services
- Maintenance-free Bearings
- Individually Spring/Rubber-loaded Disc units
- Vertical and Horizontal Disc Angles
- Adjustable Depth Control
- Finisher Roller
- CAT 2 or CAT 3 Three-Point Mounted Hitches
- Working Speeds of between 8-16 km/h
- Working Depth of Between 20-150 mm

Medium Duty Inline Disc - 2.2 m - 3.3 m working width

High Speed Inline Disc - 2.4 m - 3.6 m working width

## ZONETILL



### FEATURES

- Robust Frame Construction
- Coulter Beam adds extra strength
- Accessory Beam adds extra strength
- Customised Row Spacing allows the machine and the planter to work in the same zone.
- Depth control wheels are standard on all models

Range varies according to row spacing

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# TILLAGE



## POWERTILL



### FEATURES

- Four lever trip mechanism which trips at 7 Kn force
- 150 mm Cast shear
- 30 mm Tine
- Working depth from 100 mm to 300 mm
- 400 mm tine pitch on 2 bar frames.
- Replaceable wear bars
- Depth control wheels Jump height of 300 mm
- Robust Frame Construction

Range includes 2 m - 2.8 m working width

# FEED MIXERS

## HORIZONTAL MIXER



### FEATURES

- Integrated Chassis and integrated mixing bin.
- Adjustable Draw Bar allows the machine to remain level with the tractor.
- Hydraulic Support Foot fitted to the draw bar.
- PTO Shaft is matched to the size of the machine.
- Inspection Ladder is positioned in the front of the machine.
- Remote Cables are fitted to the hydraulic control bank
- Weighing system that allows you to obtain weight of the material.

Range includes 7 m<sup>3</sup> - 20 m<sup>3</sup>

## VERTICAL MIXER



### FEATURES

- Integrated Chassis means a lighter machine
- Adjustable Draw Bar allows the machine to remain level.
- Hydraulic Support Foot, fitted to the draw bar.
- PTO Shaft is matched to the size of the machine.
- Inspection Ladder is positioned in the front of the machine.
- Remote cables are fitted to the hydraulic control bank on the machine
- Weighing system that allows you to obtain weight of the material.

Range includes 4 m<sup>3</sup> - 22 m<sup>3</sup>



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# GRADERS



## 3-POINT GRADER



This light-duty maintenance grader couples directly to the tractor's 3-point linkage. The basic design allows for all operations to be carried out mechanically. The blade can be rotated 360 degrees for pushing and levelling.

### FEATURES

- Weighted Mouldboard
- Mechanical Blade Tilt
- Off-Centre Operation
- 360 Degree Blade Rotation
- Category I and II Hitch

Range includes 2.4 m working width

## UNI & AGRI GRADER

Creating firebreaks, levelling areas, making new roads and everyday maintenance are easy with these practical and versatile graders.

### FEATURES

- Weighted Blade Box
- Ballasted Wheel Arms
- Reversible Cutting Edges
- Hydraulic Lift and Tilt
- Two-Lever Hydraulic Control Valve
- Mechanical Blade Angling
- Off-Centre Operation

Range includes Unigrader - 2.4 m working width, Agrigrader - 3 m working width



## UNIVERSAL GRADER

The Universal Grader is by far the most versatile and practical tractor-drawn road grader on the market today. All operations are carried out from a safe, comfortable operator's chair on the grader.

### FEATURES

- Five-lever Hydraulic Control Valve
- Hydraulic Lift and Tilt
- Hydraulic Angling of the Blade
- Hydraulic Steering
- Weighted Blade Box
- Ballasted Wheel Arms
- Reversible Cutting Edges
- Five-Shank Scarifier
- Operator's Safety Chair

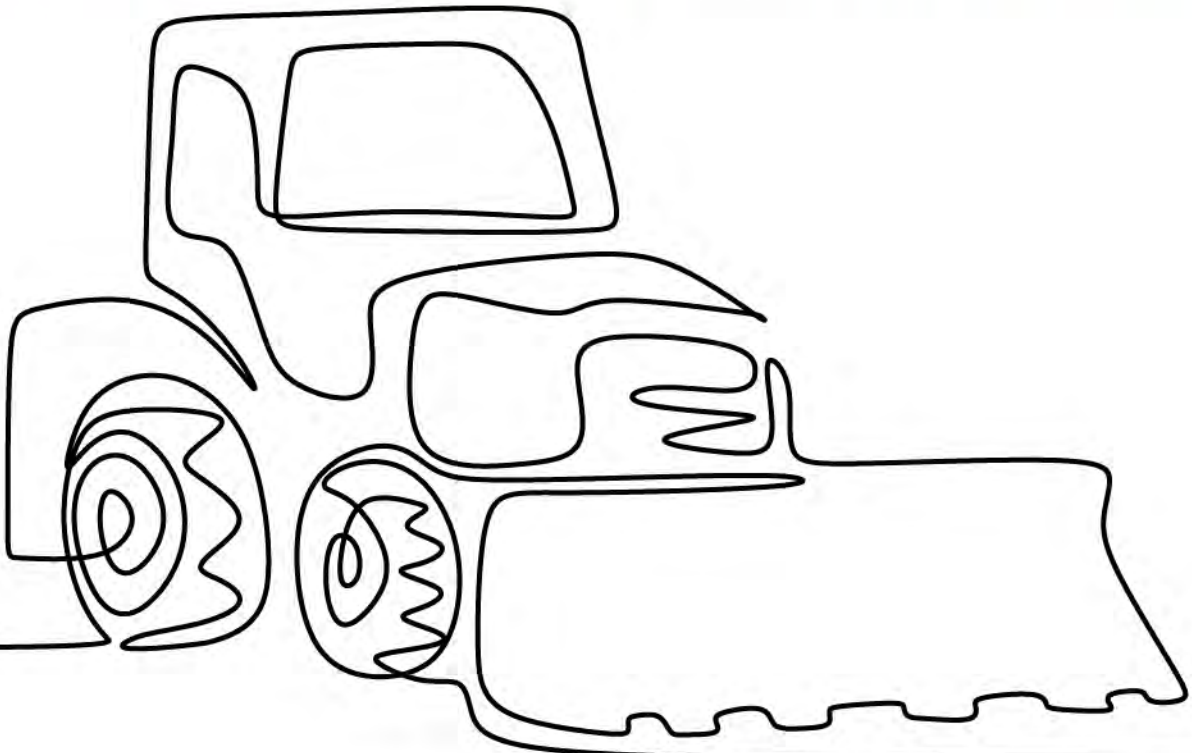
Range includes 3 m working width



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Hoofkantoor | President CR Swartstraat 31, Reitz, 9810 | Tel. 087 358 8111 | [vkb@vkb.co.za](mailto:vkb@vkb.co.za)  
 VKB Landbou (Edms.) Bpk. is 'n Gemagtigde Kredietverskaffer NCRCP 7894