

TRIDENT

FEL & 3PL IMPLEMENTS



**NICOLA'S
MACHINERY**

SOUTH AUSTRALIA BASED

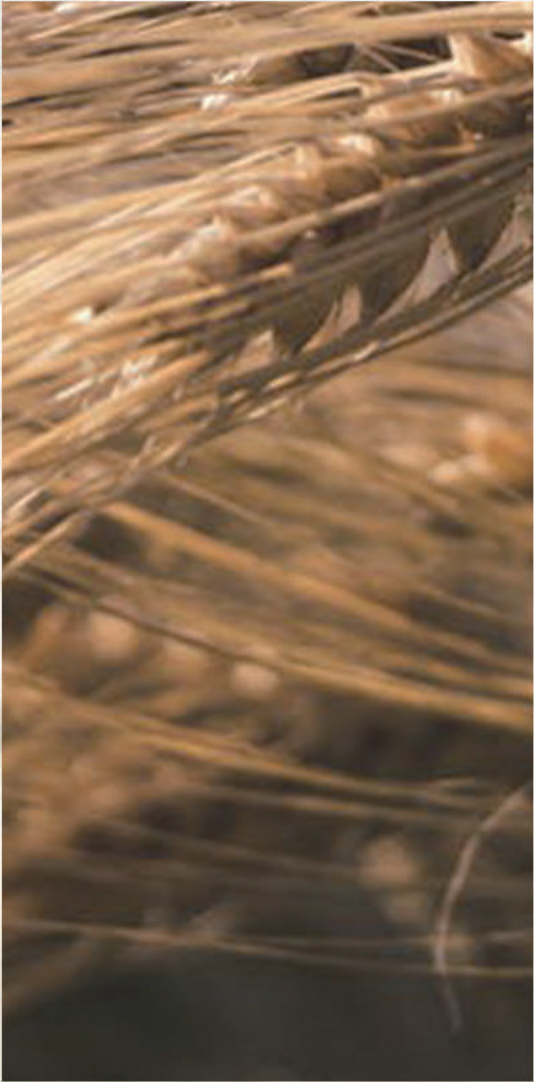
AUSTRALIA WIDE DELIVERY



**Trident implements
are engineered
strong and rugged,
built for OZ at
affordable prices,
suitable for small-
medium acreage
farmers and hobby
farmers.**



NICOLA'S MACHINERY PTY LTD



**Small Acreage
Specialist
- Your one stop
farming solution**

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FRONT END LOADER

TRIDENT FRONT END LOADER is designed with quick release arms, self-leveling, quick release bucket with available attachments, including 4 in 1 combined bucket, stone bucket, grapple bucket, pallet forks, log grab, hay fork, silage grab, bale grab, muti-purpose bale fork etc.

TRIDENT FRONT END LOADER is used widely for Loading, grading, grabbing, transporting, clearing debris after storms, transferring soil, gravel and other materials, relocating dead trees, forklift attachment for lifting machinery and transporting hay bales.

All pivot pins with protected grease nipples and easily accessible from the side of the loader.

Solidly dimensioned loader arms, optimally dimensioned cylinders and mechanical parallel linkage together contribute to maximum lifting power.



Quick Hitch for simple implement exchange

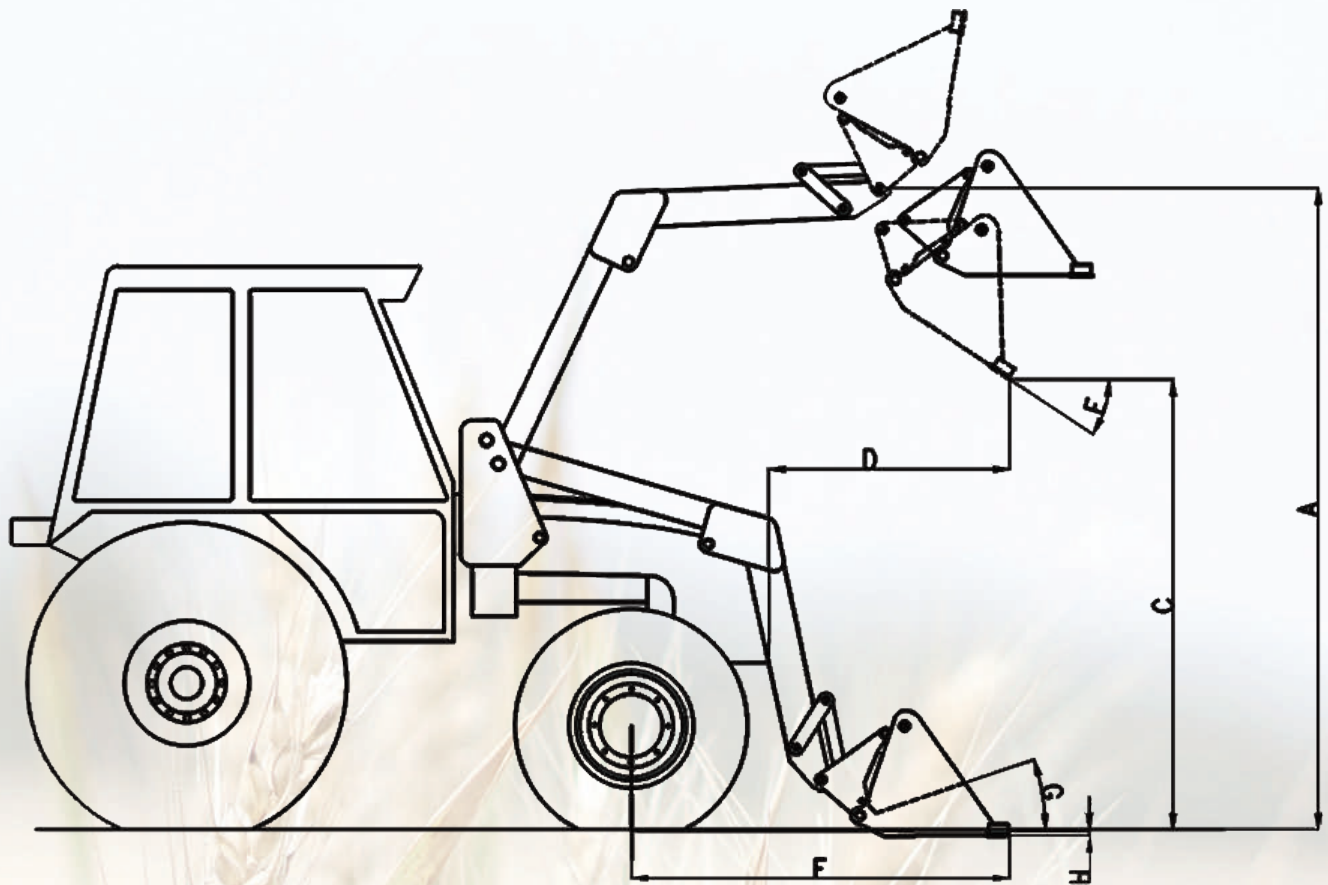
Firm & reliable attaching frame and stable & adjustable parking legs for easy installation.



Mechanical parallel enables perfect angle correction of the implements at all lift heights.



Large, optimal work angles for all implements.



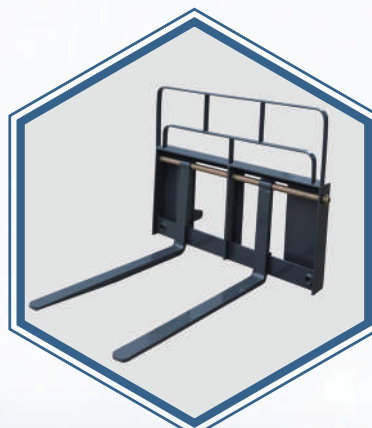
Specification:

Model	TZ01D	TZ03D	TZ04D	TZ07D	TZ08D
Matching tractor	164	254/304	354/404/504	554/604/754	804/904/1004
Max lift height of measured at arm pivot point (A)(mm)	1,800	2,360	2,700	3,000	3,080
Max.dump height (C) (mm)	1,400	1,800	2,000	2,300	2,350
Dump distance (D) (mm)	600	700	900	1,140	1,100
Dump angle (E)(°)	45°	45°	45°	45°	45°
Distance of Bucket to the centre of front-wheel (F)(mm)	1,600	1,820	1,930	2,320	2,400
Rollback angle on ground (G)(°)	32	32	32	34	33
Max. digging depth (H)(mm)	80	140	140	140	180
Bucket width (mm)	1,000	1,482	1,482	1,652	2,000
Bucket capacity (m3)	0.1	0.2	0.2	0.43	0.72
Rated lift capacity (Kg)	130	400	400	650-700	900-1000

FRONT END LOADER ATTACHMENTS



Hay Forks



Pallet Forks



Combined Forks



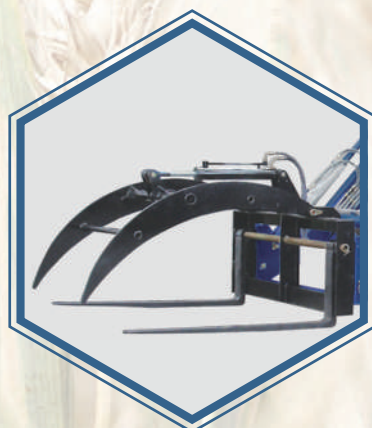
Bucket Forks



Bale Grab



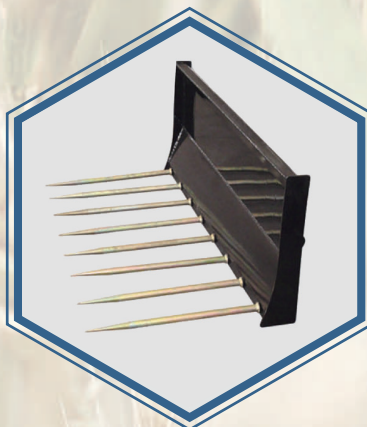
Rock Bucket



Log Grab



Multi-purpose Bale Fork



Manure Fork

BACKHOE

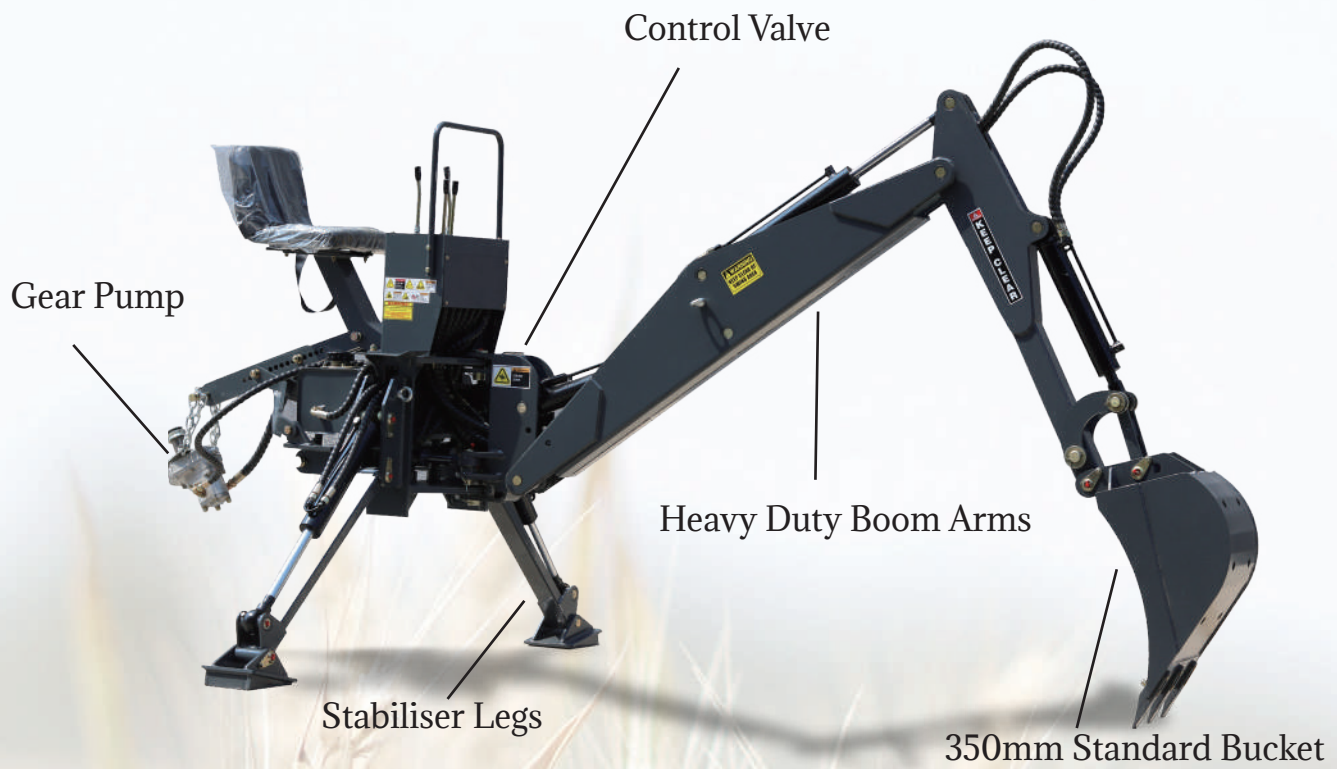
Features:

- 3-Point-Linkage fits most tractors with a Category 1 or 2 or 3;
- Frame mount model currently fits 20-100hp series tractors;
- Heavy duty boom arms;
- Greasable pivot points;
- PTO driven hydraulic pump;
- Control valves for smooth operation of hydraulics



Specification:

MODEL	LW-6	LW-7	LW-8
Dimensions(L*W*H) (mm)	3,800*1,860*2,500	4,410*1,960*3,400	4,980*1,960*3,510
Structure weight(kg)	440	500	550
Max digging depth(m)	1.85	2.15	2.64
Max digging radius(m)	2.8	3.36	3.93
Max digging height(m)	2.5	3.4	3.5
Max unloading height(m)	1.4	1.76	2
Stabilizer width(m)	1.8	1.8	1.83
Swing angle for boom	140°	140°	140°
Bucket turning angle	160°	160°	160°
Bucket capacity(m3)	0.036	0.045	0.08
Bucket width(mm)	300	400	500



Accessories:



Mud Bucket (600,800,900,1000mm)



80mm Ripper



200mm Trench Bucket



SLASHER

Features:

- Medium duty slasher with re-enforced frame;
- Quick-release off-set options;
- Strength and reliability;
- Adjustable skids;
- Adjustable cut height;
- Ideal for small tractors where the implement weight is a concern;
- Front and rear safe chains as well as clutch/PTO cover for safety;
- Height adjustable rear wheel allows for tighter turing areas with less stress on both your tractor and slasher itself;
- Top link chains to rear of slasher allowing the deck to float over undulating terrain;
- Solid top link and simple to attach PTO.



SLASHER

Specification:

MODEL	SL100	SL120	SL150	SL180	SL200
DEMENSIONS (L×W×H) (mm)	1500×1120×900	1700×1320×900	2000×1620×900	2300×1920×900	2500×2120×900
STRUCTURE WEIGHT (kg)	195	256	315	380	500
CUTTING WIDTH (mm)	960	1160	1460	1760	1960
WORKING EFFICIENCY (m ² /h)	20000~40000	25000~45000	35000~55000	50000~70000	60000~80000
INPUT TURNING SPEED (r/min)	540	540	540	540	540
PTO SPLINE (mm)	6×6×940	6×6×1040	6×6×1240	6×6×1340	6×6×1540
POWER REQUIRED (hp)	20~40	30~65	30~75	50~90	60~100

FINISHING MOWER

Features:

- Cutting height adjusts with 4 caster wheels;
- Pneumatic tyres;
- 3 Blades;
- Quick coupler PTO drive shaft included;
- Floating top linkage.



Specification:

Model	FM120	FM150	FM180
Dimensions(L*W*H) (mm)	1,330×1,200×600	1,630×1,300×600	1,930×1,400×600
Structure weight (kg)	195kg/429lbs	210kg/462lbs	230kg/506lbs
Cutting width (mm)	1,190	1,490	1,790
Working efficiency (m ³ /h)	4,000-10,000	4,500-12,000	5,000-15,000
PTO turning speed (r/min)	540	540	540
PTO spline (mm)	6×8×850	6×8×850	6×8×950

FLAIL MOWER

Features:

- For 20 – 80 HP Tractors;
- Cast-iron gearbox with free wheel;
- Adjustable rear roller with mud scraper;
- Hydraulic movement;
- Protective front fender;
- Adjustable tensioner;
- Side skids;
- Cat. I or II three-point hitch;
- Cardan shaft support;
- 30 HP gearbox;
- Forged hammers or Y knives;
- CE safety guards.

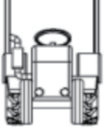


Specification:

Model	Dimens A*B*C						
	cm	cm	RPM	A mm	B mm	V m/s	HP
EFH135	1014*1484*917	130	1669	108	347	30.3	30
EFH145	1014*1584*917	140	1669	108	347	30.3	30
EFH155	1014*1684*917	150	1669	108	347	30.3	30
EFH165	1014*1784*917	160	1669	108	347	30.3	30
EFH175	1014*1884*917	170	1669	108	347	30.3	30
EFH185	1014*1984*917	180	1669	108	347	30.3	30

FLAIL MOWER

Specification:

Model							
	N	N	PTO	CAT	N	KG	HP
EFH135	48	24	540	I II	2	258	20-80
EFH145	48	24				278	
EFH155	48	24				298	
EFH165	56	28			3	318	
EFH175	56	28				338	
EFH185	64	32				358	



POST HOLE DIGGER

Features:

- Proven and reliable gear box;
- PTO shaft fitted with a six inch slip clutch to protect the gearbox;
- Digging depth of up to 1,000mm;
- Multiple height settings to ensure the post hole digger will suit your tractor;
- Full range of auger sizes available from 6 – 20inch;
- Augers with replaceable cutting teeth and pilot tips.

Specification:

MODEL	PHD-6	PHD-9	PHD-12	PHD-14	PHD-16	PHD-18	PHD-20
DRILL DIAMETER (")	6"	9"	12"	14"	16"	18"	20"
LENGTH OF AUGER (mm)	630	630	630	630	630	630	630
PTO SPEED (rpm)	540	540	540	540	540	540	540
GEARBOX RATE	3:01	3:01	3:01	3:01	3:01	3:01	3:01
MACHINE WEIGHT (kg)	90	98	105	115	126	136	146



OTHER POST HOLE DIGGERS

Post Hole Digger with Hydraulic Assistance:

- Hydraulic assist to drive the auger into harder ground;
- Full range of auger sizes available from 6 – 24inch;
- A-frame with additional reinforcement.



Specification:

MODEL	HPHD -6	HPHD-12	HPHD-14	HPHD-16	HPHD-18	HPHD-20	HPHD-24
DRILL DIAMETER (")	6"	12"	14"	16"	18"	20"	24"
LENGTH OF AUGER (mm)	630	630	630	630	630	630	630
PTO SPEED(rpm)	540	540	540	540	540	540	540
GEARBOX RATE	3:01	3:01	3:01	3:01	3:01	3:01	3:01
MACHINE WEIGHT (kg)	145	160	162	165	196	206	216

Front End Loader Post Hole Digger:

- Post hole digger package to suit front end loader tractor;
- Standard euro hitch frame;
- Heavy duty augers fitted with replaceable hard tip blades.



Specification:

Model	2000	2500
Matched Horsepower	25-60hp	60-100hp
Max. Torque (N.m)	1871	2432
Operation Pressure (Bar)	205	205
Rate of Flow (L/min)	23-53	23-53
PTO Speed (rpm)	40-90	40-80
Output Shaft (mm)	Φ65	Φ65
Drive Head Weight (kg)	50	51
Drive Head Height (mm)	595	595
Drive Head Diameter (mm)	200	200
Length of Auger (mm)	1200	1200
Drill Diameter (mm)	100-400	100-500

LOG SPLITTER & WOOD CHIPPER

Log Splitter Specification:

Product Name	PTO Log splitter			
Model	LS12T	LS16T	LS20T	LS22T
Max. split force	12T	16T	20T	22T
Max. split size	1,050L* 500D mm			
Oil cylinder diameter	3.5inch	4inch	4.5inch	5inch
Cycle time	16-22s			
Packing dimensions	760L*415W*2030H mm			
G.W. /N.W.	180KG/165KG	185KG/170KG	215KG/200KG	235KG/220KG
Including	Hydraulic Oil Tank + Accelerator + Gear Pump			



Wood Chipper Specification:

Model	WC-6	WC-8
Dimensions (L×W×H)	2,200×1,400×1,700mm	2,200×1,400×1,700mm
Structure Weight	370kg	380kg
Radius of Blade Disc	302.5mm	302.5mm
Chipping Diameter	150mm	200mm
Working Efficiency	7-8 m³/h	8-9 m³/h
PTO Turnning Speed	540r/min	540r/min
PTO Spline	6×8×520mm	6×8×520mm
Power Requirement	Above 25hp	Above 30hp

WC-6 6" Wood chipper packing in iron crate when shipping:

Dimension : 120 x 105 x 110cm or 48x 42 x 44inch

Gross weight: 375 kg/825 lbs Net weight: 305 kg/671 lbs.

WC-8 8" Wood chipper packing in iron crate when shipping:

Dimension : 120x 110 x 110 cm or 48 x 44 x 44 inch

Gross weight 420kg/924lbs Net weight 370kg/814lbs



HAY IMPLEMENTS - ROUND BALER



850/850N



1070



0910



870/870N



1200

Model	0850	0870	0850N	0870N	1070	0910	1200
Bale size dia.xwidth(cm)	φ50×70	φ61×70	φ50×70	φ61×70	Φ70×100	Φ85×95	Φ120×150
Overall L×W×H(cm)	115×130×120	130×130×135	115×130×120	130×130×135	150×130×135	245×185×160	420x288x230
Weight(kg)	402	442	413	453	536	1000	3000
Pickup width(cm)	80	80	80	80	100	90	188
Efficiency (km/h)	2-5	2-5	2-5	2-5	2-8	5-8	8-20
Bales per hr	80-120	80-100	100-150	90-120	80-100	50-80	30
Tyre	16x6.5-8-4	16x6.5-8-4	16x6.5-8-4	16x6.5-8-4	16.5x8-4	7.00-12	480/45R17
Matching power (hp)	20-50	30-75	20-55	30-75	Above 40	Above 40	Above 45hp
PTO speed (rpm)	540	540	540	540	540	540	540
Binding system	Twine binding system		Net binding system		Twine binding system		



NET AND TWINE SOLUTIONS

You can choose either twine binding system or net binding system. Twine binding provides good efficiency with low binding material cost.

Net binding provides excellent efficiency and minimum loss of crop. Since both devices are located in front of the baler, binding process can be easily find from driver's seat.

Twine



Net

OTHER HAY IMPLEMENTS

Rotary Hay Rake Specification:



Model	Raking width (mm)	Tedding width (mm)	Dimens (mm)	Weight (kg)	Tine No.	Working speed (km/h)	Power Required (hp)	PTO RPM (r/ m)
HR-2500	2,500	1,600	2,100x 2,500x 950	120	12	48	18-70	50

Rotary Disc Mower Specification:

Model	Cutting Width (m)	Disc No.	Disc Cutting Dia (mm)	Speed (km/hr)	Weight (kg)
XL 125	1.25	2	100	15	330
DM 1700	1.7	4	500	4 - 12	500



Middle Driven Square Baler Specification:



Model	Bale cross section (mm)	Bale length (mm)	Overall size (mm)	Structure weight (kg)	Pickup width (mm)	Tine number	Work efficiency per hour	Match power
1.9Z	360*460	300-1200	4650*2500 *1800	1690	1900	64	300-400 bales	40-80hp /30-59kw

Hay Wrapper Specification:

Model	Dia.x Width For Bale (mm)	Overall Size (cm)	Weight (kg)
0810	500x700	150x87x103	85



ROTARY HOE

Features:

- Reliable heavy duty gear box;
- Oil bathed, hardened and strait cut drive gears;
- Heavy gauge and ridged box construction deck;
- Chain adjustable rear trailing door;
- Multiple depth adjustment via the skids.



Specification:

Model					
	cm	inc	cm	inc	mm
F.T/M110	48	48	1100	43	550-550
F.T/M120	48	52	1200	28	600-600
F.T/M130	56	56	1300	51	650-650
F.T/M140	56	60	1400	55	700-700
F.T/M150	64	63	1500	59	750-750

Model						
	HP	mm	inc	N.	N	Kg
F.T/M110	20-80	90	3.5	5	20	141
F.T/M120	20-80	90	3.5	6	24	157
F.T/M130	20-80	90	3.5	6	24	163
F.T/M140	20-80	90	3.5	7	28	171
F.T/M150	20-80	90	3.5	7	28	195



LANDSCAPE RAKE

Features:

- Heat-treated spring steel tines;
- Ability to adjust swing angle left or right;
- 180 degree rotation so that you can push as well as pull;
- Optional wheel kit available;
- Clear debris to prevent fires spreading;
- Use in grassy areas where debris has been left after storms;
- Use prior to slashing and mowing.



Specification:

MODEL	4LR	5LR	6LR
DIMENSIONS (L*W*H) (mm)	1,120*1,500*900	1,520*1,500*900	1,820*1,500*900
WORKING WIDTH (cm)	120	150	180
STRUCTURE WEIGHT (kg)	93	106	130
POWER REQUIRED (hp)	18-35	25-40	Above 25

DISC HARROWS

Features:

- Heavy duty disc harrow are designed for preparing the land and preserving soil moisture;
- High harrowing capacity and great ability to cut and shatter the soil to prevent fires spreading.



Specification:

Item	BJX-1.5	BJX-1.7	BJX-2.0	BJX-2.2	BJX-2.4	BJX-2.5	BJX-2.8
Working width (m)	1.5	1.7	2	2.2	2.4	2.5	2.8
Working depth (mm)	140	140	140	140	140	140	140
Dia. of disc (mm)	560	560	560	560	560	560	560
No. of disc	14	16	18	20	22	24	26
Suggested power(hp)	30-50	40-60	50-70	60-80	60-80	70-90	Above 90
Weight (kg)	340	380	420	463	604	604	604

SPRAYER

Boom Sprayer Specification:

MODEL	3WFX-600
Dimensions (L*W*H) (mm)	1,300*1,410* 1,420
Tank Volume (L)	600
Net Weight (kg)	410
Litres Per Minute	75
No. of nozzle	8
Working Width (m)	12~15
PTO Rotation Speed (r/min)	540



3PL Fan Sprayer Specification:

MODEL	3WFB-400/600/800
Dimensions (L*W*H) (mm)	1,300*1,410* 1,420
Tank Volume (L)	400, 600, 800
Net Weight (kg)	410
Litres Per Minute	75
No. of nozzle	8
Fan Impeller Diameter (mm)	800
Fan Speed (rpm)	2,200
Working Width (m)	12~15
Operating Speed (km/h)	4~8

OTHER 3PL IMPLEMENTS

RIPPER with PIPE LAYER



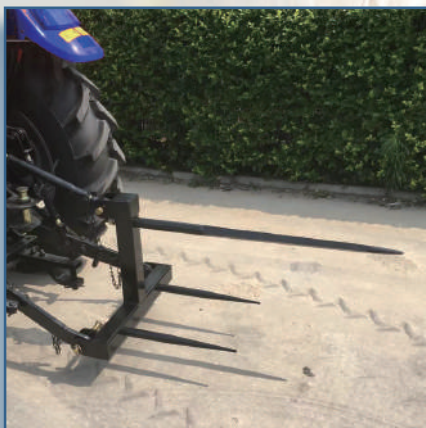
CARRY ALL



3PL PALLET FORKS



3PL HAY FORKS



3PL QUICK HITCH



TOW HITCHES



5-TINE RIPPER



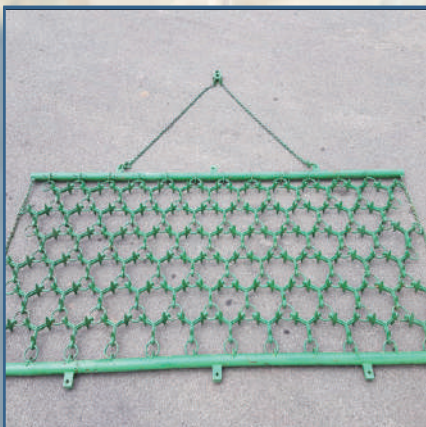
GRADER BLADE with RIPPERS



BOX GRADER BLADE



DRAG HARROW



SPREADER



3PL BUCKET



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