

LOVOL



AGRICULTURAL EQUIPMENT



TAKE LOVOL TAKE HOPE

As the largest agricultural machinery enterprise with the most complete product lines in China, WeiChai Lovol Heavy Industry has firstly achieved a complete set of mechanical operations involving land consolidation, tillage, sowing, field management, harvesting, straw treatment and grain drying. WeiChai Lovol Heavy Industry can provide users with whole-process mechanized solutions involving information, technology, products, etc., and strives to bring more benefits to users around the world.

“Innovative Technology High Quality Service Excellence Smart Agriculture”. Being established in the international high-end vision and bringing together the outstanding technologies of China and Europe, WeiChai Lovol Heavy Industry is committed to seeking more benefits for mankind and strives to achieve new transcendence on the road to building a world-class machinery manufacturing equipment company.

PROVIDING INTELLIGENT TECHNOLOGY COMPLETE SOLUTIONS FOR MODERN AGRIBUSINESS

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COMPANY PROFILE



tractor in China is 30%, ranking first in export for 16 consecutive years. The sales volume of harvester has been the No. 1 in China for 20 consecutive years, and the market share of wheel harvester in China is nearly 70%.

At present, there are more than 2100 staff in R&D team, has established a global R&D system integrating "China + Europe + Japan", and obtained more than 2800 patents. Since 2010, Weichai Lovol has taken 3% - 5% of the sales revenue as the R&D fund every year. In 2021, the company will set no upper limit on R&D investment and vigorously promote scientific and technological innovation.

BRAND VALUE

Climbing to **74.358 billion RMB** in 2020

TOTAL ASSET

16.1 billion RMB

BUSINESS IN

More than 120 countries and regions

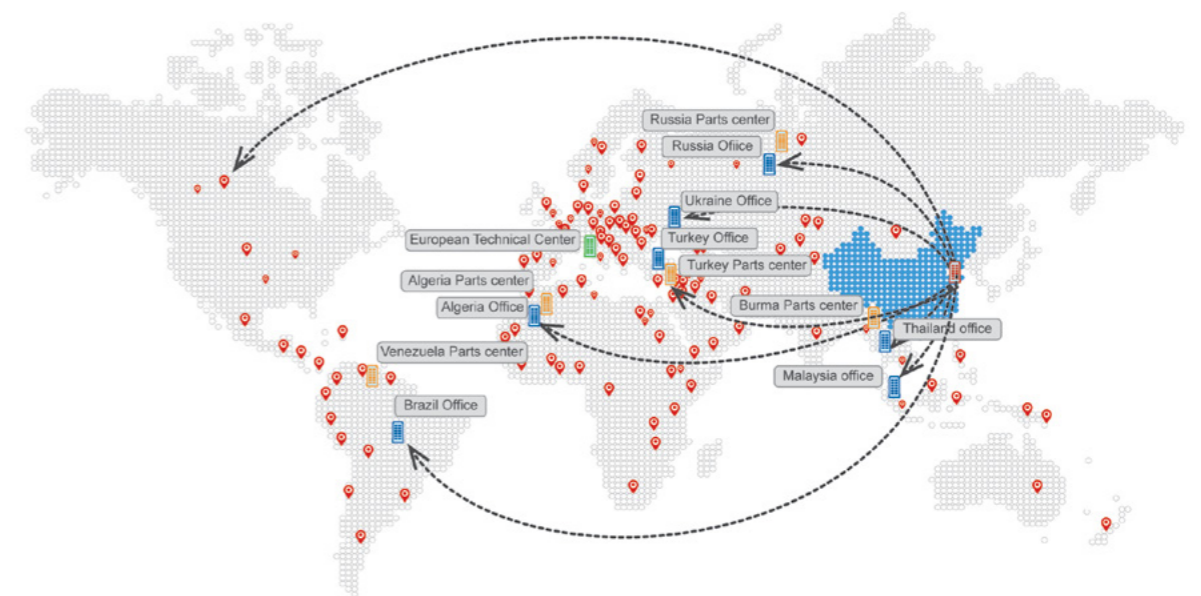
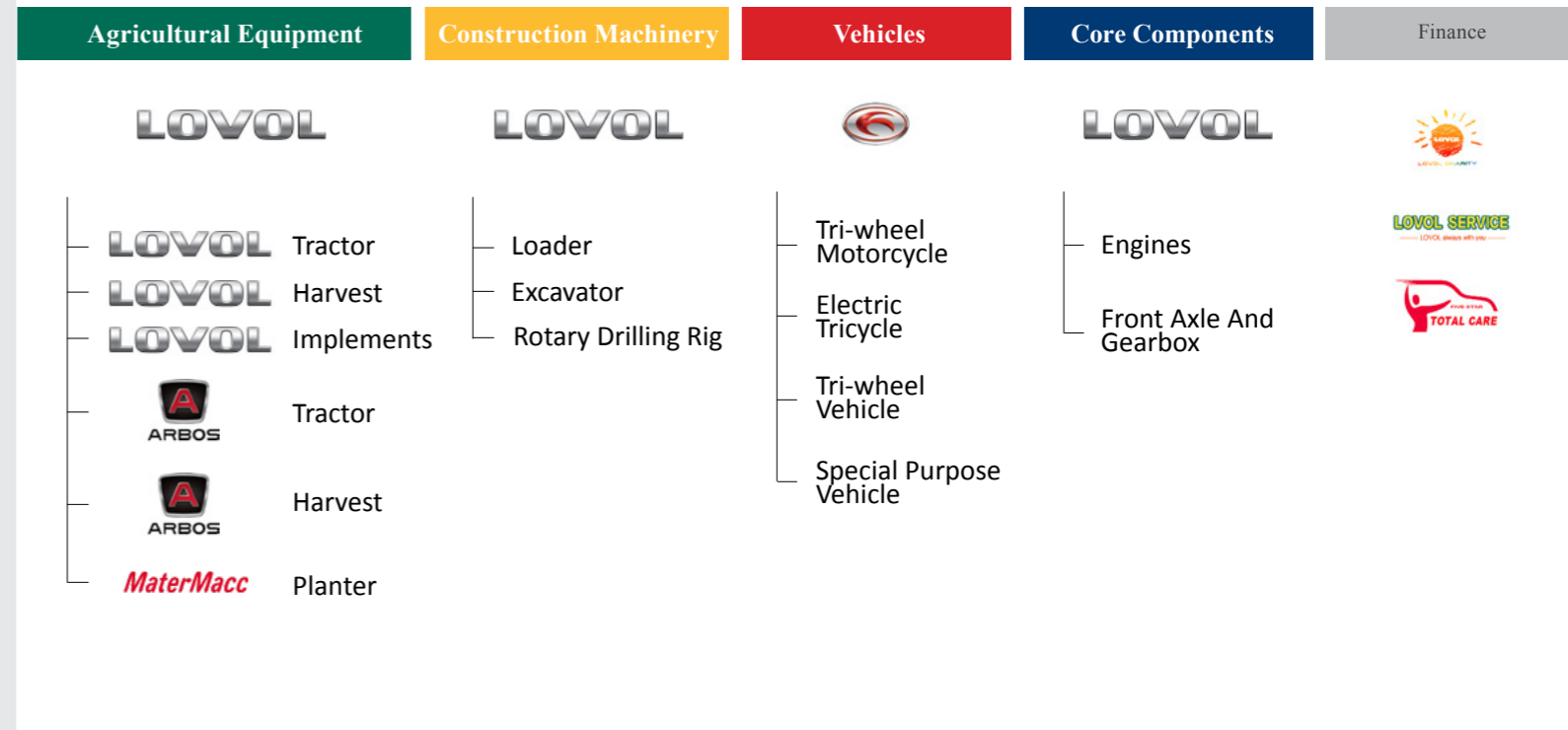
LOVOL (Weichai Lovol Heavy Industry Co., Ltd.) founded in 1998, is a world's leading mechanical equipment industry group. Based on the intelligent equipment industry, Lovol leads the industrial innovation and development in the fields of agricultural equipment, construction machinery, vehicles, engines, finance and network technology. Possess a complete industry chain of core components

As the witness and the leader of China's agricultural equipment industry, Lovol is the only independent brand in China that can provide an overall mechanization solution for modern agriculture. In 2020, the brand value of Lovol reached 74.358 billion RMB, ranking 74th among "China's 500 most valuable brands".

Weichai Lovol has nearly 3,000 distributors in global marketing network, with businesses in more than 120 countries and regions. The market share of

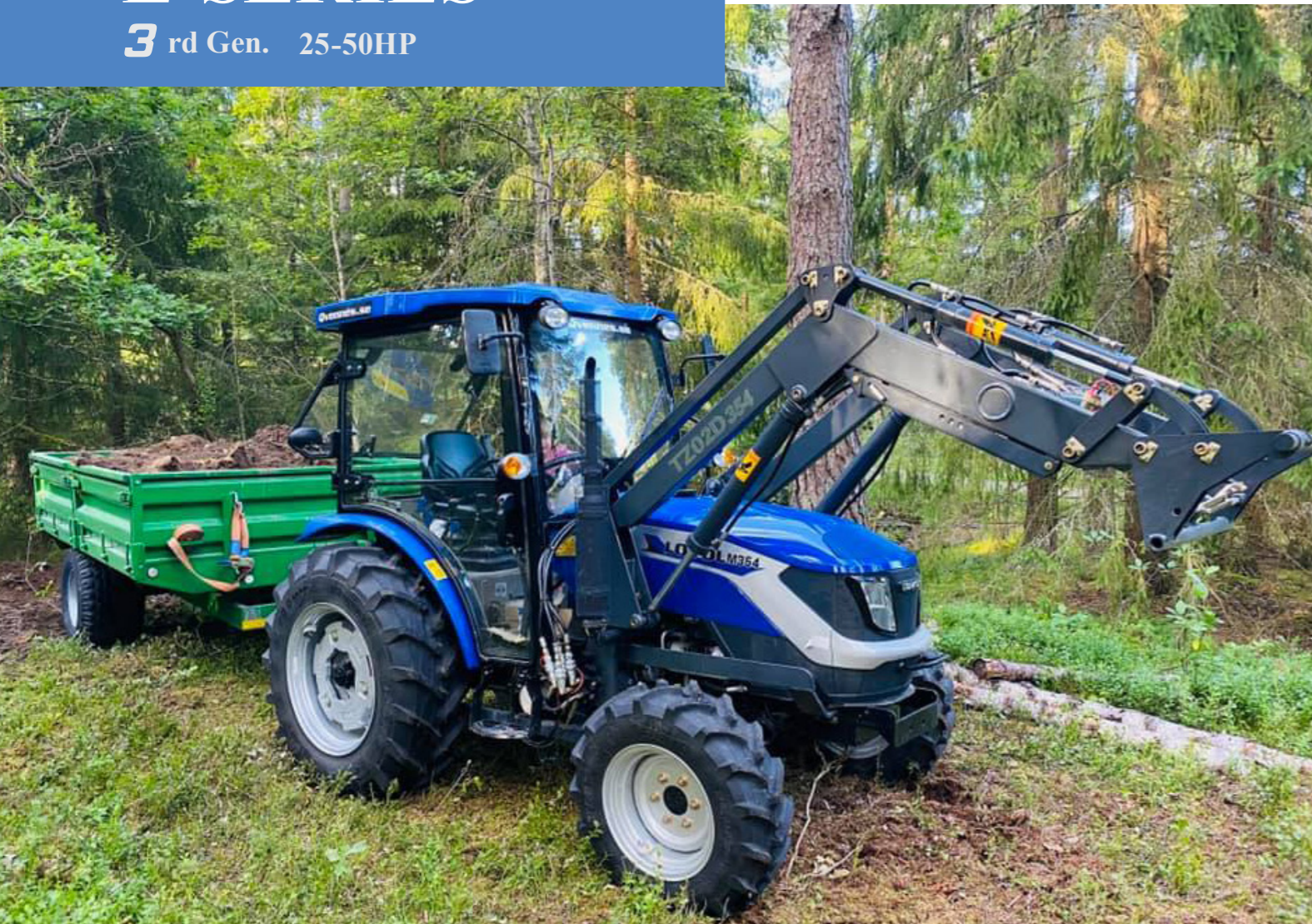
LOVOL

Corporate brand



E SERIES

3rd Gen. 25-50HP



FEATURES OF E SERIES (NEW PLATFORM)

Lovol E-series tractors have a horsepower ranging from 25HP to 50HP and include high, medium and low end configurations, with diverse models and strong versatility. The tractors can be connected with different implements and tools to complete different operations, known as “generalists”. The tractors are generally suitable for use in garden arrangement, snow removal, mowing, gardening, lawn planting, fence construction, livestock farm and even farm planting.

KEY FEATURES

- The tractors are equipped with Laidong engine featuring direct injection (GDI), which ensures fully combustion and effectively reduces the fuel consumption during operation.
- The upgraded third-generation vehicle body adopts beautiful and practical streamlined design, with built-in muffler and air filter, optional four-pillar luxury cab, dust prevention and noise reduction, side-mounted control handle, large internal space, and optimized ergonomic layout, bringing comfortable driving experience.
- The gearbox is equipped with 8-speed forward and 8-speed reverse synchronous reciprocating options, with low operating force and comfortable operation experience.
- The built-in dry air filter is equipped with a cleanliness alarm device; the optional wet air filter features high filtering efficiency and easy maintenance.
- Optional radial tires, lawn tires, engineering tires, and paddy tires can meet different operation requirements. The standard position control lifter can be equipped with a high pressure lifter to increase the lifting force. The single-way valve, together with optional multi-way valve, can meet different operation requirements.



PRODUCTS INFORMATION

Model	E254	E354	E404	E504
Power system				
Engine Model	KM385BT	4L22BT	4L23BT	KM490BT
Emission standard	Stage II	Stage II/Stage IIIA	Stage II	Stage II
Rated power (kw/HP)	18.38/25	25.74/35	29.41/40	36.76/50
Rated rotating speed (n/min)	2350		2400	
Maximum Torque (N·m)	85-95/1650±100	124-132/1650±100	130-140/1700±100	165/1680±100
Displacement (L)	1.53	2.16	2.31	2.84
Air intake way	External wet type, optional built-in dry type	Built-in dry type, optional External wet type	External wet type, optional built-in dry type	External wet type, optional built-in dry type
Air exhaust way	Horizontal exhaust pipe		Vertical exhaust pipe	
Oil tank capacity (L)	32		29	
Transmission system				
Drive type			4*4	
Clutch type	8 inch, dry, double action		9 inch, dry, double action	
Gearbox shift mode	Sliding gear/synchronizer with shuttle gear		(constant mesh) meshing sleeve gear-shifting/synchronizer with shuttle gear	
Gear quantity			8+8	
Creeper gear			N/A	
Speed range	Forward (km/h) Reverse (km/h)	1.81-27.38 1.69-25.51	1.97-29.67 1.74-26.33	1.98-30.01 1.85-27.95
Final transmission			Built-in Type, Single Straight Cylindrical Gear	
Differential lock			Mechanical	
Brake type	Dry, shoe type		wet, disc type	
Parking brake			hand/foot parking brake	
Hydraulic system				
Steering hydraulic flow (L/min)			6	
Hydraulic output flow (L/min)			24, Optional 36	
Multi-way hydraulic spool valve Quantity			2 pairs	
Lift control mode			Simple Position Control	Height adjustment
Lifting capacity	Suspension point (kN) at distance of 610 mm from lower links balls (kN)	≥7.3 ≥5.2	≥9 ≥6	≥12.5 ≥8.3
Working device				
towing device			U-type hook	
Traction			Swing drawbar	
PTO type			540/1000	
PTO gears			6 splines, optional 8 splines	
Standard tires				
Front tire	6.5-16		7.5-16	8.3-20
Rear tire	11.2-24		12.4-24	12.4-28
Machine body				
Safety Roll Over Protection System	•	•	•	•
Cab	Cab with heater	•	•	•
	Cab with AC	N/A	•	N/A
Overall dimensions				
Length*Width*Height (To ROPS) (mm)	3544X1515X2440		3558X1550X2450	3560X1630X2380
Wheel base	1640		1805	1900
Track (mm)	Front wheels	1270	1243	1240
	Rear wheels		1200-1400	1160-1330
Ground clearance (mm)	Min. ground clearance	330	328	350
	Agronomic ground clearance	340	354	420
Turning Radius (m)	With side braking	3.3±0.2	2.7±0.2	3.5±0.5
	Without side braking	3.5±0.3	3.0±0.3	3.8±0.5
Weight (kg)	Structure weight (without Cab)	1225	1444	1454
	Minimum service weight	1400	1744	1754
Counterweight(kg)	Front counterweight		80	1780
	Rear counterweight		112	124

E SERIES

Euro V model 40HP



FEATURES OF E-SERIES EURO V MODEL

- The Doosan three-cylinder engine meets StageV/Tier 4F emission requirements, with unique speed stability control technology and high-efficiency combustion patent, strong engine power, full combustion, able to effectively reduce oil consumption in operation.
- The double-shaft gearbox has a compact structure to effectively reduce power transmission loss, and is equipped with standard 8-speed forward and 8-speed reverse reciprocating gear synchronizer, with small operating force, comfortable operation experience, and a suspension pedal to facilitate operation.
- The optional four-pillar luxury cab can effectively prevent dust and reduce noise, with side-mounted control handle, large internal space, and optimized ergonomic layout, bringing comfortable driving experience.
- The standard position control lifter has fast lifting speed and can adapt to different operating conditions.
- Optional radial tires, lawn tires, engineering tires, and paddy tires can meet different operation requirements.
- The whole vehicle has been certified to meet the requirements of EU 167/2013.



PRODUCTS INFORMATION

Model		E404
Power system		
Engine Model		doosan D18
Emission standard		Stage V / EPA4F
Rated power(kw/HP)		29.41/40
Rated rotating speed(n/min)		2350
Maximum Torque (N·m)		200/1800
Displacement(L)		1.8
Air intake way		Built-in dry type
Air exhaust way		Vertical exhaust pipe
Oil tank capacity(L)		42
Transmission system		
Drive type		4*4
Clutch type		10 inch,dry,double action
Gearbox shift mode		(constant mesh)meshing sleeve gear-shifting/synchronizer with shuttle gear
Gear quantity		8+8
Creeper gear		N/A
Speed range	Forward(km/h)	1.97-29.67
	Reverse(km/h)	1.74-26.33
Final transmission		Built-in Type, Single Straight Cylindrical Gear
Differential lock		Electrical control
Brake type		wet,disc type
Parking brake		Independent hand brake
Hydraulic system		
Steering hydraulic flow(L/min)		6
Hydraulic output flow(L/min)		24
Multi-way hydraulic spool valve Quantity		2 pairs
Lift control mode		Position control
Lifting capacity	Suspension point(kN)	≥12.8
	at distance of 610 mm from lower links balls(kN)	≥8.5
Working device		
towing device		U-type hook
Traction		Swing bar
PTO type		540/1000
PTO gears		6 splines,optional 8 splines
Standard tires		
Front tire		7.5-16
Rear tire		12.4-24
Machine body		
Safety Roll Over Protection System		●
Cab	Cab with heater	N/A
	Cab with AC	●
Overall dimensions		
Length*Width*Height(To ROPS)(mm)		3558X1520X2350
Wheel base		1805
Track(mm)	Front wheels	1243
	Rear wheels	1200-1400
Ground clearance(mm)	Min. ground clearance	290
	Agronomic ground clearance	400
Turning Radius(m)	With side braking	2.7±0.2
	Without side braking	3.3±0.3
Weight(kg)	Structure weight(without Cab)	1750
	Minimum service weight	2050
Counterweight(kg)	Front counterweight	80
	Rear counterweight	124

E SERIES

2rd Gen. 25-35HP



FEATURES OF E SERIES

E Series Tractors range in power from 20HP to 30HP. 4-cylinder engine is for option, which can provide power up to 35 HP .

E Series can provide you a maximum ground clearance of 338mm and row space of 420mm. The reliable pin-type differential lock enables the E Series with best passing performance.

New front axle is used on the four-wheel-drive model, which can provide you reliable steering performance in harsh and paddy environments through dual-action steering cylinder and great waterproofness. Meanwhile, it has a minimum turning radius of 3.3m to help you operate easily in small spaces.

KEY FEATURES

- Highly cost-efficient in-line diesel engines with high fuel efficiency, low maintenance cost, standard preheater and excellent cold start;
- Center console with simple structure, high cost efficiency and easy maintenance; side console for driving and riding comfort;
- 8F+2R gearbox with easy operation and convenient maintenance; optional 8F+8R/16F+4R gears for multi-function demand;
- Optional single/double-acting clutches for different needs and operation; special ceramic material for friction plates with high reliability as well as low use and maintenance cost;
- Farmland tires, turf tires, construction tires and many other tires to meet needs of different working conditions. Powered by 3-cylinder direct injection diesel engine.



PRODUCTS INFORMATION

Model		E254	E354
Power system			
Engine Model		KM385BT	4L22BT
Emission standard		Stage II	Stage II/Stage IIIA
Rated power(kw/HP)		18.38/25	25.74/35
Rated rotating speed(n/min)		2350	2350
Maximum Torque (N-m)		85-95/1650±100	124-132/1650±100
Displacement(L)		1.53	2.16
Air intake way		External wet type, optional built-in dry type	
Air exhaust way		Vertical exhaust pipe, Optional Horizontal exhaust pipe	
Oil tank capacity(L)		29L	29L
Transmission system			
Drive type		4*4	
Clutch type		8 inch,dry,double action	9 inch,dry,double action
Gearbox shift mode		Sliding gear/synchronizer with shuttle gear	
Gear quantity		8+2/8+8	
Creeper gear		N/A	
Speed range	Forward(km/h)	1.72-26.02	1.78-26.93
	Reverse(km/h)	2.25、10.39/1.61-24.24	2.41-11.16/1.66-25.09
Final transmission		Built-in Type, Single Straight Cylindrical Gear	
Differential lock		Mechanical	
Brake type		Dry, brake shoe	
Parking brake		hand/foot parking brake	
Hydraulic system			
Steering hydraulic flow(L/min)		6	
Hydraulic output flow(L/min)		24	36
Multi-way hydraulic spool valve Quantity		2 pairs	
Lift control mode		Simple Position Control	
Lifting capacity	Suspension point(kN)	≥7.3	≥10.8
	at distance of 610 mm from lower links balls(kN)	≥5.2	≥7.2
Working device			
towing device		U-type hook	Optional
Traction		Swing drawbar	
PTO type		540/1000	
PTO gears		6 splines,optional 8 splines	
Standard tires			
Front tire		6.0-16	7.5-16
Rear tire		9.5-24	12.4-24
Machine body			
Safety Roll Over Protection System		●	●
Cab	Cab with heater	●	●
	Cab with AC	N/A	
Overall dimensions			
Length*Width*Height(To ROPS)(mm)		3453X1475X2495	3500X1515X2675
Wheel base		1639	1796
Track(mm)	Front wheels	1244	1243
	Rear wheels	960-1460	1240-1440
Ground clearance(mm)	Min. ground clearance	240	310
	Agronomic ground clearance	380	400
Turning Radius(m)	With side braking	3.2±0.2	3.3±0.2
	Without side braking	3.5±0.3	3.5±0.3
Weight(kg)	Structure weight(without Cab)	1225	1535
	Minimum service weight	1400	1700
Counterweight(kg)	Front counterweight	80	80
	Rear counterweight	124	124

B SERIES

3rd Gen. 35-75HP



FEATURES OF B SERIES

- Gearbox: Standard configuration: 8F+8R synchro shift; options: 12F+12R synchro shift and 8F+8R collar gearshift. 12F+12R main speed synchronized shift is optional and it has features like energy saving, reliable and comfortable.
- Driving Cab: Standard configuration is ROPS and cab with EC and OECD certifications, and compatible configurations are third generation car body with European design, fully-wrapped interior, steering wheel adjustable fore and aft, car air conditioning system and luxurious seat which fully improves the control comfort.
- Engine : B series standard configuration engine has passed European and North America certification .
- Clutch : Standard configuration 10-11 inch dual clutch is equipped with a friction disk made of special ceramic material with high reliability.
- Tires : Paddy land tires, OTR tires, meadow tires are optional.
- Electronic system: Taking rainy and humid environments into consideration, it is equipped with electrical wirings and connectors with high sealing performance so as to extend the service life of the electronic system.
- Floor: flat floor, side-placed operating lever and suspension pedal are optional, which improves control comfort.

KEY FEATURES



Enclosed mudguard and rear wall inner trims



Saloon-car air conditioner



Adjustable steering wheel



Luxurious seat



Waterproof connector



PRODUCTS INFORMATION

Model		404	454	504	554	604
Power system						
Engine Model		C490BT	A498BT		A4K41T55	A4K41T60
Emission standard		Stage II	Stage II	Stage II/Stage IIIA	Stage II	Stage II
Rated power(kw/HP)		29.4/40	33.1/45	36.8/50	40.4/55	44/60
Rated rotating speed(n/min)		2400	2400	2400	2400	2400
Maximum Torque (N·m)		≥143/1600 ~ 1800	≥162/1600 ~ 1800	≥180/1600 ~ 1800	≥200/1600 ~ 1800	≥225/1600 ~ 1800
Displacement(L)		2.672	2.977	3.168	4.09	4.09
Air intake way		External type, Optional built-in type				
Air exhaust way		Vertical exhaust pipe, Optional Horizontal exhaust pipe				
Oil tank capacity(L)		60				
Transmission system						
Drive type		2WD/4WD	4WD	2WD/4WD	4WD	2WD/4WD
Clutch type		10inch,dry,double action			11 inch,dry,double action	
Gearbox shift mode		synchronizer/meshing sleeve(constant mesh)				
Gear quantity		12+12			12+12	
Creep gear		N				
Speed range	Forward(km/h)	2.37-38.46			2.34-38.10	
	Reverse(km/h)	2.07-33.71			2.05-33.40	
Final transmission		Planetary gear			Planetary gear	
Differential lock		Mechanical			Mechanical	
Brake type		Wet, disc				
Parking brake		Independent hand brake				
Hydraulic system						
Steering hydraulic flow(L/min)		6	6	6	11	6
Hydraulic output flow(L/min)		32	32	32	35	34
Multi-way hydraulic spool valve Quantity		Simple hydraulic output/1 pair/2 pairs			Simple hydraulic output/1 pair/2 pairs	
Lift control mode		Separated control for Position and draft				
Lifting capacity	Suspension point(kN)	≥11.1	≥12.5	≥13.7	≥14.3	≥17.3
	at distance of 610 mm from lower links balls(kN)	≥7.4	≥8.3	≥9.1	≥9.5	≥11.5
Working device						
towing device		U-type hook				
Traction		Swing bar				
PTO type		540/1000				
PTO gears		6 or 8				
Standard tires						
Front tire		8.3-20, 280/70R20			8.3-20, 280/70R20	
Rear tire		14.9-24, 380/85R24			14.9-28, 380/85R24	
Machine body						
Safety Roll Over Protection System		•	•	•	•	•
Cab	Cab with heater	•	•	•	•	•
	Cab with AC	•	•	•	•	•
Overall dimensions						
Length*Width*Height(To ROPS)(mm)		4136*1670*2807(alarming light)/2558			4186*1730*2854(alarming light) /2605	
Wheel base		1990			2040	
Track(mm)	Front wheels	1250			1250	
	Rear wheels	1300			1312	
Ground clearance(mm)	Min. ground clearance	310			310	
	Agronomic ground clearance	370			370	
Turning Radius (m)	With side braking	3.8±0.3			3.8±0.3	
	Without side braking	4.3±0.3			4.3±0.3	
Weight(kg)	Structure weight (without Cab)	2320/2525			2545/2750	
	Minimum service weight	2490/2695			2715/2920	
Counterweight (kg)	Front counterweight	144			144	
	Rear counterweight	270			270	

B SERIES

Euro V model 50-75HP



FEATURES OF B-SERIES EURO V MODEL

- The Doosan three/four-cylinder engine meets StageV/EPA4F emission standards, with unique speed stability control technology and high-efficiency combustion patent, strong engine power, full combustion, able to effectively reduce oil consumption in operation.
- The new-type gearbox has a compact structure to effectively reduce power transmission loss, and is equipped with standard 12-speed forward and 12-speed reverse synchronizer options.
- The gearbox is smooth and light to operate and has excellent control performance and low operation force, and a suspension pedal is adopted to facilitate operation.
- The optional four-pillar luxury cab can effectively prevent dust and reduce noise, with side-mounted control handle, large internal space, optimized ergonomic layout and Grammer seats, bringing comfortable driving experience.
- A rear axle with planetary reduction gear, differential mechanism and wet brake is adopted, featuring high durability, stability and reliability. It is basically maintenance-free under normal operating conditions, easy to operate, safe and reliable.
- Optional radial tires, lawn tires, engineering tires, and paddy tires can meet different operation requirements.
- The whole vehicle has been certified to meet the requirements of EU 167/2013.



PRODUCTS INFORMATION

Model		B504	B654	B754
Power system				
Engine Model		DOOSAN D18	DOOSAN D24	DOOSAN D24
Emission standard			Stage V / EPA4F	
Rated power(kw/HP)		36.9/50	47.8/65	55/74.8
Rated rotating speed(n/min)		2400	2400	2400
Maximum Torque (N·m)		200(1400r)	300(1400r)	300(1400r)
Displacement(L)		1.794	2.392	2.392
Air intake way		Built-in type	Built-in type	Built-in type
Air exhaust way		Vertical	Vertical	Vertical
Oil tank capacity(L)		60	60	60
Transmission system				
Drive type		4WD	4WD	4WD
Clutch type			11 inch,dry,double action synchronizer	
Gearbox shift mode			12+12	
Gear quantity			N	
Creep gear			N	
Speed range	Forward(km/h)	2.7-37.6	2.2-38.2	2.2-38.2
	Reverse(km/h)	2.4-33	1.9-33.5	1.9-33.5
Final transmission		Planetary gear	Planetary gear	Planetary gear
Differential lock		Electrically controlled	Electrically controlled	Electrically controlled
Brake type		Wet, disc	Wet, disc	Wet, disc
Parking brake		Independent hand brake	Independent hand brake	Independent hand brake
Hydraulic system				
Steering hydraulic flow(L/min)		23	23	23
Hydraulic output flow(L/min)		42	42	42
Multi-way hydraulic spool valve Quantity		2	2	2
Lift control mode		Draft and position control	Draft and position control	Draft and position control
Lifting capacity	Suspension point(kN)	≥19.5	≥19.5	≥19.5
	at distance of 610 mm from lower links balls(kN)	≥13	≥13	≥13
Working device				
towing device		Towing device	Towing device	Towing device
Traction		Swing bar	Swing bar	Swing bar
PTO type		540/1000	540/1000	540/1000
PTO gears		6 or 8	6 or 8	6 or 8
Standard tires				
Front tire		280/70R20	300/70R20	300/70R20
Rear tire		380/70R28	380/85R30	380/85R30
Machine body				
Safety Roll Over Protection System		•	•	•
Cab	Cab with heater	•	•	•
	Cab with AC	•	•	•
Overall dimensions				
Length*Width*Height(To ROPS)(mm)		Cab3986x1790x2842 mm ROPS3986x1790x2614 mm	Cab4105x1830x2910 mm ROPS4105x1830x2678 mm	Cab4105x1830x2910 mm ROPS4105x1830x2678 mm
Wheel base		1990	2070	2070
Track(mm)	Front wheels	1320	1480	1480
	Rear wheels	1350	1400	1400
Ground clearance(mm)	Min. ground clearance	320	360	360
	Agronomic ground clearance	320	360	360
Turning Radius(m)	With side braking	3.5±0.3	3.9±0.3	3.9±0.3
	Without side braking	4.0±0.3	4.6±0.3	4.6±0.3
Weight(kg)	Structure weight(without Cab)	2570	2765	2765
	Minimum service weight	2725	2940	2940
Counterweight (kg)	Front counterweight	150	150	150
	Rear counterweight	540	540	540

B SERIES

Orchard tractors 50-70HP

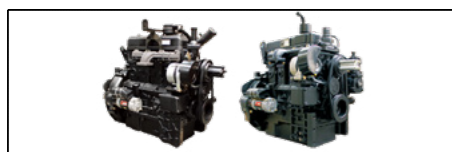


FEATURES OF B ORCHARD TRACTORS SERIES

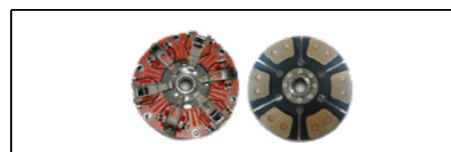
- Orchard models include 504N, 604N, and 754N three models, and the wheel track can be flexibly adjusted between 960-1320 mm.
- Reinforced transmission, this transmission is matched with tire 8.3-24/14.9-30 in China. For our small tire will be strong enough.
- Dual stage middle steering cylinder make the tractor have a good maneuvering performance.
- Independent clutch control, (PTO clutch/ driving clutch); ceramic clutch disks.
- PTO transmission could be cut off to save energy.



KEY FEATURES



Powered by 4-cylinder in-line diesel engine, B Series ranges in power from 35 to 60HP. Its low fuel consumption of 245g/kwh and the large torque output of 155-245N•m help you to get work done efficiently and economically.



B Series Tractors adopt dual-action clutches from 10 to 11 inches made up of a special ceramic material, which can give you easier operation and reliable performance.



New front axle is used on the four-wheel-drive model, which can provide you reliable steering performance in harsh and paddy environments through dual-action steering cylinder and great waterproofness. Meanwhile, it has a minimum turning radius of 3.3m to help you operate easily in small spaces.



PRODUCTS INFORMATION

Model	B504N	B604N	B704N
Power system			
Engine Model	498BT	4J60BR	QC4108T70
Emission standard	Stage II	Stage II	Stage II
Rated power(kw/HP)	36.8/50	44/59.8	51.5/70
Rated rotating speed(n/min)	2400	2400	2400
Maximum Torque (N·m)	192	235	260-270
Displacement(L)	3.168	2.835	4.32
Air intake way	Built-in type	Built-in type	Built-in type
Air exhaust way	Horizontal		
Oil tank capacity(L)	42	42	75(enlarge oil tank)
Transmission system			
Drive type	4WD	4WD	4WD
Clutch type	10inch,dry,double action	10inch,dry,double action	11 inch,dry,double action
Gearbox shift mode		constant mesh	
Gear quantity	8+8	8+8	12+12
Creeper gear	Optional	Optional	N
Speed range	Forward(km/h)	2.24-29.91	2.61-33.59
	Reverse(km/h)	1.97-26.22	2.29-29.44
Final transmission	Planetary gear	Planetary gear	Planetary gear
Differential lock		Mechanical	
Brake type		Wet, disc	
Parking brake		hand/foot parking brake	
Hydraulic system			
Steering hydraulic flow(L/min)	6	6	6
Hydraulic output flow(L/min)	32	30	47
Multi-way hydraulic spool valve Quantity		1 or 2 pairs(optional)	
Lift control mode		Separated control for Position and draft	
Lifting capacity	Suspension point(kN) at distance of 610 mm from lower links balls(kN)	≥13.7	≥22.5
		≥9.1	≥15
Working device			
towing device	U-type hook	U-type hook	U-type hook
Traction	Swing bar	Swing bar	Swing bar
PTO type	540/1000	540/1000	540/1000
PTO gears	6 or 8	6 or 8	6 or 8
Standard tires			
Front tire	8.3-20	8.3-20	8.3-20
Rear tire	14.9-24	14.9-24	14.9-24
Machine body			
Safety Roll Over Protection System	Optional	Optional	Optional
Cab	Cab with heater	Optional	Optional
	Cab with AC	Optional	Optional
Overall dimensions			
Length*Width*Height(To ROPS)(mm)	4000*1400*2500	4050*1400*2500	4100*1700*(1600/2675)
Wheel base	1990	2040	2072
Track(mm)	Front wheels	1080	1250
	Rear wheels	960	1310
Ground clearance (mm)	Min. ground clearance	332	410
	Agronomic ground clearance	332	440
Turning Radius(m)	With side braking	4.45±0.3	3.2±0.3
	Without side braking	5.15±0.3	4.3±0.3
Weight(kg)	Structure weight(without Cab)	2040(Rollbar)/2180(cab)	2500(Rollbar)/2630(cab)
	Minimum service weight	2330(Rollbar), 2480(Cab)	2330(Rollbar), 2480(Cab)
Counterweight (kg)	Front counterweight	108	144
	Rear counterweight	120	360

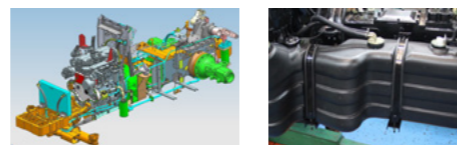
H SERIES

3rd Gen. 60-80HP



FEATURES OF H SERIES

- Many gears and high speed: Equipped with 12+12 shifting synchronizer, which can realize fast, continuous and smooth shifting operation and improve the operating efficiency.
- Heavy chassis, fast operating speed: Equipped with an enhanced chassis; the rear axle, gearbox, front axle and suspension are upgraded, the chassis is enlarged and enhanced; the curb mass is increased, the chassis strength is increased, to greatly improve the reliability and better meet the job requirements.
- High ground clearance and fast crossing ability: Lovol front axle is equipped with a two-way steering cylinder, without steering dead point, with small steering force and larger steering angle. Higher ground clearance is and better passability compared with competition products.
- Adoption of an oil system shared by transmission, hydraulic steering and lifting to achieve high safety and reliability and also facilitate subsequent maintenance. Full hydraulic steering with high reliability. Adoption of 24° cone seals and O-seal rings; adoption of an oil system shared by hydraulic steering, lifting and chassis to achieve high safety and reliability and also facilitate subsequent maintenance.
- Lovol product is equipped a lower-mounted fuel tank with a large capacity and long operating hours.



PRODUCTS INFORMATION

Model		H754	H854
Power system			
Engine Model		A4K43T75	4D35ZT
Emission standard		Stage II	Stage II
Rated power(kw/HP)		55.5/75	62.5/85
Rated rotating speed(n/min)		2400	
Maximum Torque (N·m)		280/1600 ~ 1800	340/1600 ~ 1800
Displacement(L)		4.32	3.47
Air intake way		External type, Optional Built-in type	
Air exhaust way		Vertical	
Oil tank capacity(L)		120	
Transmission system			
Drive type		4WD	
Clutch type		11 inch,dry,double action	12 inch,dry,double action
Gearbox shift mode		synchronizer	
Gear quantity		12+12	
Creeper gear		N	
Speed range	Forward(km/h)	1.95-34.13	
	Reverse(km/h)	1.71-29.92	
Final transmission		Planetary gear	
Differential lock		Mechanical	
Brake type		Wet, disc	
Parking brake		hand/foot parking brake	
Hydraulic system			
Steering hydraulic flow(L/min)		35	
Hydraulic output flow(L/min)		47	
Multi-way hydraulic spool valve Quantity		Standard 2 pairs, Optional 3 pairs	
Lift control mode		Separated control for Position and draft/High pressure lifter	
Lifting capacity	Suspension point(kN)	≥25.5	
	at distance of 610 mm from lower links balls(kN)	≥17	
Working device			
towing device		U-type hook(Optional)	
Traction		Swing drawbar (Optional)	
PTO type		Rear-mounted independent	
PTO gears		6, Optional 8	
Standard tires			
Front tire		12.4-24	
Rear tire		18.4-30	
Machine body			
Safety Roll Over Protection System		●	
Cab	Cab with heater	●	
	Cab with AC	●	
Overall dimensions			
Length*Width*Height(To ROPS)(mm)		4795×1980×2660/2870/2720 (Muffler/ROPS/Cab)	
Wheel base		2270	
Track(mm)	Front wheels	1580	
	Rear wheels	1550	
Ground clearance(mm)	Min. ground clearance	390	
	Agronomic ground clearance	505	
Turning Radius(m)	With side braking	4.5	
	Without side braking	5	
Weight(kg)	Structure weight (without Cab)	3050/3250	
	Minimum service weight	3210/3410	
Counterweight(kg)	Front counterweight	360	
	Rear counterweight	320	

D SERIES

3rd Gen. 75-100HP



FEATURES OF D WITH THIRD GENERATION BODY

- Cab: Standard configuration safety shelf and cab with OECD certifications, and compatible configurations are third generation car body with European design, fully-wrapped interior, steering wheel adjustable fore and aft, car air conditioning system and Grammer seat which fully improve manipulation comfort.
- Gearbox: Standard configuration:16F+8Rsyncro shift, options: 16F+8R shuttleshift and 16F+8R creeper shift.16F+8R main speed synchronized gears shift which are reliable, energy saving and comfortable.
- Fuel tank: Standard configuration main and auxiliary double fuel tanks have the capacity of up to 230L.
- Lifting system: The standard configuration is location independently adjusting lifter. Power lifter is for option whose maximum lifting force may reach up to 4500kg.
- Instrument cluster: Adoption of new U.S.A ACTUANT instrument cluster gives advantages of high sealing performance and multi-information integrated display.
- Engine: Lovol 4-cylinder-in-line engine inherits the excellent technology of Perkins engine and adopts turbo-charging system, so it has reliable performance and strong power.

KEY FEATURES



Dynamic and fashionable appearance



Human-orientated arrangement



Beautiful and elegant headlamp



Enclosed mudguard and rear wall inner trims



Saloon-car air conditioner



PRODUCTS INFORMATION

Model		D824	D904	D1004	D1104
Power system					
Engine Model		Huafeng 4R Optional Shangchai 4H			
Emission standard		Stage II			
Rated power(kw/HP)		60.3/82	66.2/90	73.5/100	81/110
Rated rotating speed(n/min)		2200			
Maximum Torque (N·m)		360-390/1500-1700	390-420/1500-1700	430-460/1500~1700	450-485/1400~1600
Displacement(L)		Huafeng 4.67L Optional Shangchai 4.3L			
Air intake way		Built-in dry type,optional External wet type			
Air exhaust way		Vertical exhaust pipe			
Oil tank capacity(L)		230			
Transmission system					
Drive type		4*4			
Clutch type		12 inch,dry,doube action			
Gearbox shift mode		synchronizer,optional meshing sleeve gear-shifting(constant mesh)			
Gear quantity		16+8			
Creeper gear		Optional 16+8			
Speed range	Forward(km/h)	0.4-33.3(Creeper gear)/1.5-33.2(Shuttel shift)/1.7-33.3(synchronizer)			
	Reverse(km/h)	0.6-10.3(Creeper gear)/2.3-33.2(Shuttel shift)/2.4-21.4(synchronizer)			
Final transmission		Single stage planetary gear type			
Differential lock		Mechannical			
Brake type		wet,disc type			
Parking brake		Independent hand brake			
Hydraulic system					
Steering hydraulic flow(L/min)		26			
Hydraulic output flow(L/min)		46			
Multi-way hydraulic spool valve Quantity		2 paris or 3 pairs floating multi-way vavle			
Lift control mode		High pressure lifter: Height adjustment,floating adjustment			
Lifting capacity	Suspension point(kN)	≥30			
	at distance of 610 mm from lower links balls(kN)	≥20			
Working device					
towing device		adjustable towing device(up and down)			
Traction		Swing drawbar(optional)			
PTO type		Rear-mounted independent PTO 540/1000,540/540E			
PTO gears		6 splines /8 splines/21 splines			
Standard tires					
Front tire		12.4-24、 13.6-24、 12.4R24			
Rear tire		18.4-30、 16.9-34、 18.4R30			
Machine body					
Safety Roll Over Protection System		Optional			
Cab	Cab with heater	-			
	Cab with AC	Standard			
Overall dimensions					
Length*Width*Height(To ROPS)(mm)		4342×2150×2900			
Wheel base		2405			
Track(mm)	Front wheels	1610~1950(Ex-factory 1610/1710)			
	Rear wheels	1608~1996(Ex-factory 1608)			
Ground clearance(mm)	Min. ground clearance	405			
	Agronomic ground clearance	420			
Turning Radius(m)	With side braking	4.2±0.3			
	Without side braking	4.6±0.3(Front wheels: 13.6-24) 4.9±0.3 5.2±0.3(Front wheels: 13.6-24)			
Weight(kg)	Structure weight(without Cab)	4052/3752			
	Minimum service weight	4261/3961			
Counterweight(kg)	Front counterweight	310 or 440			
	Rear counterweight	320 or 480 or 516			

X SERIES

3rd Gen. 80-120HP



FEATURES OF X SERIES

- Small steering radius and fast turns: The steering radius is 4.9m with flexible operation, which can save the turning time in the field and improve the operating efficiency. (The steering radius can be up to 4.4m when apply the brake on one side)
- Good air conditioning and quick cooling: Panoramic window glass without dead angle around 360°; standard full-sealed heating and cooling air conditioning cab with good silent effect, which can effectively reduce exhaust, noise, dust entered the operating space.
- Front axle: The newly developed Lovol paddy field type front drive axle has a large steering angle of up to 45° and a high ground clearance of up to 500mm. Good adaptability for paddy and dry fields.
- China standard III high-pressure common rail engine has superior performance, strong power and large torque reserve.
- Turning radius 4.9m, flexible operation, saving turning time in the fields, improving work efficiency. (The turning radius can reach 4.4m in case of one-side braking.)
- The newly developed Lovol paddy field type front drive axle has a large steering angle up to 45°; the ground clearance is high and reaches 500mm. Good adaptability to both upland field and paddy field.
- Power shifting; high and low gear switching, and front and rear reversing gear switching without need to step on the clutch, thus facilitating manipulation and improving operation efficiency.
- Adoption of Italian COBO controllers; adoption of international imported electrical components such as Honeywell sensors etc. with high reliability.



PRODUCTS INFORMATION

Model		X904	X1004	X1104
Power system				
Engine Model		Huafeng 4R Optional Shangchai 4H		
Emission standard		Stage II		
Rated power(kw/HP)		66.2/90	73.5/100	81/110
Rated rotating speed(n/min)		2200		
Maximum Torque (N·m)		390-420/1500-1700	430-460/1500~1700	450-485/1400~1600
Displacement(L)		Huafeng 4.67L Optional Shangchai 4.3L		
Air intake way		Built-in dry type, optional External wet type		
Air exhaust way		Vertical exhaust pipe		
Oil tank capacity(L)		150		
Transmission system				
Drive type		4*4		
Clutch type		12 inch, dry, double action; optional web clutch		
Gearbox shift mode		synchronizer, optional power gear shift		
Gear quantity		12+12		
Creeper gear		optional 24+12		
Speed range	Forward(km/h)	0.4-33.3(Creeper gear) 2.38-33.16(Shuttle shift)		
	Reverse(km/h)	2.15-29.99(Creeper gear) 2.15-29.99(Shuttle shift)		
Final transmission		Single stage planetary gear type		
Differential lock		Mechanical		
Brake type		Wet, disc type		
Parking brake		Independent hand brake		
Hydraulic system				
Steering hydraulic flow(L/min)		30		
Hydraulic output flow(L/min)		46		
Multi-way hydraulic spool valve Quantity		2 pairs or 3 pairs floating multi-way valve		
Lift control mode		High pressure lifter: Height adjustment, floating adjustment		
Lifting capacity	Suspension point(kN)	≥30		
	at distance of 610 mm from lower links balls(kN)	≥20		
Working device				
towing device		Up and down adjustable towing device(optional)		
Traction		Swing bar(optional)		
PTO type		Rear-mounted independent PTO/540/1000, 540/540E		
PTO gears		6 splines / 8 splines / 21 splines		
Standard tires				
Front tire		12.4-24、13.6-24 13.6-24、13.6-24、13.6-24、12.4R24		
Rear tire		18.4-30、16.9-34 16.9-34、18.4-30、13.6-38、18.4R30		
Machine body				
Safety Roll Over Protection System		●		
Cab	Cab with heater	-		
	Cab with AC	●		
Overall dimensions				
Length*Width*Height(To ROPS)(mm)		4400×2150×2900		
Wheel base		2340		
Track(mm)	Front wheels	1576-1936(Ex-factory1685)		
	Rear wheels	1575-1965(Ex-factory1695)		
Ground clearance (mm)	Min. ground clearance	390(front axls drain bolt)		
	Agronomic ground clearance	470		
Turning Radius(m)	With side braking	4.6±0.3 4.6±0.3(Front wheels: 13.6-24)		
	Without side braking	4.9±0.3 5.2±0.3(Front wheels: 13.6-24)		
Weight(kg)	Structure weight(without Cab)	4100(Cab)/3800(ROPS)		
	Minimum service weight	4300(Cab)/4000(ROPS)		
Counterweight (kg)	Front counterweight	352/440		
	Rear counterweight	320or480or516		

Q SERIES

3rd Gen. 120-130HP



FEATURES OF Q SERIES

Q series tractors are specialized products with excellent quality. Its user-friendly design and good manufacturing process will bring you convenient operation and comfortable driving experience. When using it, you will experience many advantages beyond your imagination, and it will not only let you enjoy the fun for driving in high-efficiency operations, but also bring you better economic benefits.

KEY FEATURES



Lovol Engine is equipped with the well-known European engine technology, six-cylinder engine dual-valve design, and turbocharged air inlet system, which can guarantee the strong power, low fuel consumption and high torque reserve.



Q Series supply independent-control, dual-action LUK clutch from Germany, which has reliable quality, high efficiency of power transmission, and comfort to control.



New design front axle with bigger burden capacity, higher clearance.



PRODUCTS INFORMATION

Model		Q1204	Q1304
Power system			
Engine Model		Shangchai7H	
Emission standard		Stage II	
Rated power(kw/HP)		95.6/130	
Rated rotating speed(n/min)		2200	
Maximum Torque (N·m)		510-545/1500~1700	
Displacement(L)		6.44	
Air intake way		Built-in dry type, optional External wet type	
Air exhaust way		Vertical exhaust pipe	
Oil tank capacity(L)		230	
Transmission system			
Drive type		4*4	
Clutch type		14inch、dry, double action	
Gearbox shift mode		synchronizer	
Gear quantity		16+8	
Creeper gear		optional	
Speed range	Forward(km/h)	1.65-35.44	
	Reverse(km/h)	2.46-22.68	
Final transmission		Single stage planetary gear type	
Differential lock		Mechanical	
Brake type		Wet, disc type	
Parking brake		Independent hand brake	
Hydraulic system			
Steering hydraulic flow(L/min)		30	
Hydraulic output flow(L/min)		60	
Multi-way hydraulic spool valve Quantity		2pairs/3pairs floating	
Lift control mode		High pressure lifter: Height adjustment, floating adjustment	
Lifting capacity	Suspension point(kN)	34.5	
	at distance of 610 mm from lower links balls(kN)	≥23	
Working device			
towing device		Up and down adjustable towing device(optional)	
Traction		Swing bar(optional)	
PTO type		Rear-mounted independent PTO/540/1000, 540/540E	
PTO gears		6splines/8splines/21splines	
Standard tires			
Front tire		14.9-26、 13.6-24	
Rear tire		18.4-38、 18.4-34	
Machine body			
Safety Roll Over Protection System		●	
Cab	Cab with heater	-	
	Cab with AC	●	
Overall dimensions			
Length*Width*Height(To ROPS)(mm)		5060*2285*3100	
Wheel base		2700	
Track(mm)	Front wheels	1700 ~ 2080(Ex-factory1860)	
	Rear wheels	1673 ~ 2352(Ex-factory1750)	
Ground clearance(mm)	Min. ground clearance	470	
	Agronomic ground clearance	515	
Turning Radius(m)	With side braking	4.7±0.3	
	Without side braking	5.2±0.3	
Weight(kg)	Structure weight(without Cab)	5100/4930	
	Minimum service weight	5500/5280	
Counterweight(kg)	Front counterweight	440	
	Rear counterweight	240 or 480	

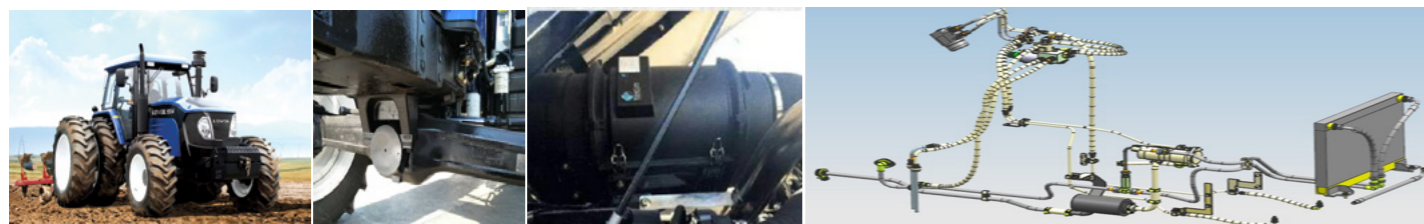
R SERIES

3rd Gen. 150-200HP



FEATURES OF R SERIES

- Heavy chassis, fast operating speed: an enhanced chassis; the rear axle, gearbox, front axle and suspension are upgraded, the chassis is enlarged and enhanced; the chassis strength is increased by 25%, to greatly improve the reliability and better meet deep soil preparation operations.
- American Donaldson dry air filter, with improved intake efficiency and fuel consumption.
- The independent hydraulic oil steering gear has a low steering force and high reliability; the chassis heat dissipation system can keep the chassis temperature between 80-90°C, the service life of key components such as bearings, gears and oil seals is greatly extended, and the reliability of the drive system is improved by 50%.



PRODUCTS INFORMATION

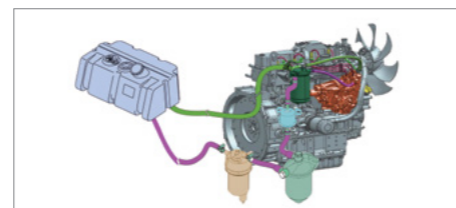
Model		R1504	R1804	R2004
Power system				
Engine Model		SC7H160G2	SC7H200.2G2	SC7H200.2G2
Emission standard		Stage II	Stage II	Stage II
Rated power(kw/HP)		110.3/150	132.4/180	147/200
Rated rotating speed(n/min)		2200	2200	
Maximum Torque (N·m)		613-677/1400-1600	715-790/1400-1600	800~860/1400-1600
Displacement(L)		6.44		6.44
Air intake way		Built-in dry type, optional External wet type		
Air exhaust way		Vertical exhaust pipe		
Oil tank capacity(L)		350		
Transmission system				
Drive type		4*4		
Clutch type		14inch、dry,double action		
Gearbox shift mode		synchronizer		
Gear quantity		16+16		
Creeper gear		N/A		
Speed	Forward(km/h)	2.73-32.64	2.8-33.42	
range	Reverse(km/h)	2.64-31.54	2.75-32.87	
Final transmission		Single stage planetary gear type		
Differential lock		Mechanical		
Brake type		wet,disc type		
Parking brake		Independent hand brake		
Hydraulic system				
Steering hydraulic flow(L/min)		32		
Hydraulic output flow(L/min)		75		
Multi-way hydraulic spool valve Quantity		4pairs		
Lift control mode		High pressure lifter: Height adjustment, floating adjustment		
Lifting capacity	Suspension point(kN)	50	65	
	at distance of 610 mm from lower links balls(kN)	35	45	
Working device				
towing device		Up and down adjustable towing device(optional)		
Traction		Swing drawbar(optional)		
PTO type		Independent	Independent	
PTO gears		6splines/8splines/21splines		
Standard tires				
Front tire		480/65R28、14.9-28	16.9-28、16.9R28、540/65R28	
Rear tire		600/65R38、18.4-38	20.8-38(single、double)、650/65R38(single、double)	
Machine body				
Safety Roll Over Protection System		-	-	-
Cab	Cab with heater	-	-	-
	Cab with AC	●	●	●
Overall dimensions				
Length*Width*Height(To ROPS)(mm)		5300×2620×3010	5300×2300/3400×3150	
Wheel base		2727		
Track(mm)	Front wheels	1997Radial tire	1997, Radial tire2035	
	Rear wheels	2030 Radial single tire	single : 1720 ~ 1970 Double :2500(non-adjustable) Radial tire: 1932 ~ 2296	
Ground clearance (mm)	Min. ground clearance	450		
	Agronomic ground clearance	550	495	
Turning Radius(m)	With side braking	5.0±0.3	5.3±0.3	
	Without side braking	5.5±0.3	7.0±0.3	
Weight(kg)	Structure weight(without Cab)	5650	6250/7050(single/double)	
	Minimum service weight	6150	6750/7500(single/double)	
Counterweight (kg)	Front counterweight	800	1280	
	Rear counterweight	480two-layer/960four-layer		

P3000 SERIES



FEATURES OF P3000 SERIES

The ARBOS P3000 series wheeled tractor is a high ground clearance tractor designed for paddy field operations. The P3000 is equipped with the Japanese Yanmar 4TNV88 engine with a displacement of 2.19L. It adopts natural aspiration and has low fuel consumption and strong power; It is equipped with a three-stage fuel filter with an electronic fuel pump; It has electronic flameout control system.



KEY FEATURES

- Using Japan's original high performance engine, it is fuel-saving, reliable and powerful;
- It has light weight, small steering radius, high ground clearance, thus it is more suitable for paddy field operations;
- Using synchronizer shuttle shifting, side control of main and range shift, shock absorbing floor, etc., it is in line with paddy field operation habits;
- It can be equipped with agricultural machinery such as disc plough, disc harrow, dozer blade, rotary tiller, etc., and has good adaptability to working conditions;
- The appearance adopts the Italian design concept, with built-in air filter and the built-in silencer, the appearance is simple and atmospheric.



PRODUCTS INFORMATION

Model		P3050
Power system		
Engine Model		YANMAR 4TNV88
Emission standard		Stage II
Rated power(kw/HP)		34/46.24
Rated rotating speed(n/min)		2800
Rated torque (N·m)		142-149.5/1200
Displacement(L)		2.189
Air intake way		Built-in type
Air exhaust way		Built-in type (Horizontal exhaust pipe)
Oil tank capacity(L)		50
Transmission system		
Drive type		4WD
Clutch type		Single plate, dry, single action
Gearbox shift mode		synchronizer
Gear quantity		8+8
Creeper gear		/
Speed range	Forward(km/h)	2.54-26.63
	Reverse(km/h)	2.56-26.63
Final transmission		Planetary gear
Differential lock		Mechanical
Brake type		Wet, disc
Parking brake		hand/foot parking brake
Hydraulic system		
Steering hydraulic flow(L/min)		20
Hydraulic output flow(L/min)		30
Multi-way valve Quantity		1 or 2
Lift control mode		Position adjustment
Lifting capacity	Suspension point(kN)	≥15.2
	at distance of 610 mm from lower links balls(kN)	≥10.1
Working device		
towing device		/
Traction		Front and rear adjustable traction
PTO type		Rear semi - independent
PTO gears		6, Optional 8
Standard tires		
Front tire		8.0-18
Rear tire		13.6-26
Machine body		
ROPS		●
Cab	Cab with heater	/
	Cab with AC	/
Overall dimensions		
Length*Width*Height(To ROPS)(mm)		3480×1570×2260
Wheel base		1935
Track	Front wheels(mm)	1150
	Rear wheels(mm)	1225
Ground clearance	Min. ground clearance(mm)	365
	Agronomic ground clearance(mm)	400
Tuning Radius	With side braking(m)	2.9±0.2
	Without side braking(m)	3.2±0.2
Weight	Structure weight(kg)	1615
	Minimum service weight(kg)	1780
Counterweight	Front counterweight (kg)	100
	Rear counterweight(kg)	56

P4000 SERIES



FEATURES OF P4000 SERIES

- The P4000 series model can adopt six gear shift options, including 12+12 synchronizer, 12+12 power shuttle shift, 24+24 power shuttle shift + power high and low gear, 18+18 synchronizer with creeper gear, 18+18 power shuttle shift with creeper gear, and 36+36 power shuttle shift + power high and low creeper gear, suitable for paddy land, dry land and other multi-function operations;
- The ground clearance of the front axle is up to 520 mm, ensuring good waterproof performance and strong adaptability to paddy fields;
- Flexible steering, with a steering angle up to 50° and small turning radius (<4.3 m);
- The force and position control lifter is provided with auxiliary high-pressure function and can be equipped with electric lifter to increase the lifting force (>25 KN);
- A variety of tire options are available to meet different operating conditions, suitable for land operations such as deep scarification, raking and transportation, paddy fields operations such as bottom leveling and beating, and multi-functional operations such as pastures and orchards.



PRODUCTS INFORMATION

Model		P4090	P4100	P4110
Power system				
Engine Model		WP4.1/DOOSAND34		
Emission standard		Weichai(Stage IIIA)/DOOSAN(Stage V/EPA4F)		
Rated power(kw/HP)		66.2/90	73.5/100	81/110
Rated rotating speed(n/min)		2400		
Maximum Torque (N·m)		390-420/1500-1700	430-460/1500-1700	450-485/1500-1700
Displacement(L)		Weichai4.1/DOOSAN3.4		
Air intake way		Built-in dry type,optional External wet type		
Air exhaust way		Vertical exhaust pipe		
Oil tank capacity(L)		170		
Transmission system				
Drive type		4*4		
Clutch type		13inch、dry,double action/optional wet type		
Gearbox shift mode		synchronizer,optional power gear shift with shuttle ,optional power gear shift with shuttle+power shift with H&L		
Gear quantity		12+12/24+24		
Creeper gear		optional18+18/36+36		
Speed range	Forward(km/h)	2.77-37.54/039-37.54(Creeper gear)		
	Reverse(km/h)	2.76-37.37/0.39-37.37(Creeper gear)		
Final transmission		Planetary gear type		
Differential lock		Mechanical, optional electrically controlled type		
Brake type		Wet,disc type braker		
Parking brake		hand/foot parking brake		
Hydraulic system				
Steering hydraulic flow(L/min)		35		
Hydraulic output flow(L/min)		55		
Multi-way hydraulic spool valve Quantity		2or3		
Lift control mode		Separated control for Position and draft/optional high pressure lifter /optional electrically controlled lifter		
Lifting capacity	Suspension point(kN)	30		
	at distance of 610 mm from lower links balls(kN)	20		
Working device				
towing device		Up and down adjustable towing device(optional)		
Traction		Swing drawbar(optional)		
PTO type		Half Independent rear-mounted		
PTO gears		6splines, optional 8splines		
Standard tires				
Front tire		12.4-24/12.4-24	12.4-24/12.4-24/13.6-24	12.4-24/12.4-24/13.6-24/11.2-24paddy fields
Rear tire		18.4-30/16.9-34	16.9-34/23.1-26/18.4-34	16.9-34/23.1-26/18.4-34/16.9-34paddy fields
Machine body				
Safety Roll Over Protection System		●		
Cab	Cab with heater	-		
	Cab with AC	●		
Overall dimensions				
Length*Width*Height(To ROPS)(mm)		4725×2050×2910		
Wheel base		2240		
Track(mm)	Front wheels	1670/1600		
	Rear wheels	1670、1770/1600、1700、1800、1900		
Ground clearance(mm)	Min. ground clearance	480(Bottom of the front axls)		
	Agronomic ground clearance	400		
Turning Radius(m)	With side braking	4.5±0.2		
	Without side braking	3.9±0.2		
Weight(kg)	Structure weight(without Cab)	3700		
	Minimum service weight	3850		
Counterweight (kg)	Front counterweight	440		
	Rear counterweight	344		

P5000 SERIES



FEATURES OF P5000 SERIES

- The P5000 series could equip with different implements, Such as plow, rotary tiller, seeder, furrower and trailer etc. , as well as combine tillage machinery, also can supply power to water pump, thresher.
- Streamlined cabin is newly designed with attractive appearance, good sealing performance, and noise lower than 80dB;It has optimized ergonomics design, makes more comfortable. All operating buttons and levers are conveniently touchable, which can reduces operating fatigue after long time work;
- Efficient turbochagerengine with a torque reserve up to 40% can ensure better fuel saving. Fuel consumption is low at 210g/kwh;
- The gearbox is equipped with two speeds power-shift technologies, and it shift gears without power cut-off, which reduces the driver's intensity;
- The imported Mita semi-split hydraulic lifter the modulating accuracy and the lifting force has been improved 10% more or less than local lifters.
- It has wide application with implements with high efficiency. 30 forwarding plus 30 reversing shifts allows a wide range of speed, from 0.3 to 40 km/h, which can fulfill all kinds of work.
- The gears and speed are set suitable, shift gears orderly. There are more gears for the users to choose in the major speed range (4-14km/h), which can improve efficiency and meet multi-operation.



PRODUCTS INFORMATION

Model		P5110	P5115	P5130	P5140
Power system					
Engine Model		DOOSAN D34			WeichaiWP6
Emission standard		Stage V			Stage IIIA
Rated power(kw/HP)		81/110	84.6/115	95.6/130	102.9/140
Rated rotating speed(n/min)		2200			2200
Maximum Torque (N·m)		480-490/1300-1500	490-500/1300-1500	510-520/1300-1500	570-600/1400-1600
Displacement(L)		3.4			6.75
Air intake way		Built-in dry type			Built-in dry type
Air exhaust way		Upward exhaust			Vertical exhaust pipe
Oil tank capacity(L)		145/230optional			145/230optional
Transmission system					
Drive type		Electrically controlled 4*4			Mechanical
Clutch type		torsional Shock absorber +Wet clutch			13inch, dry, single action
Gearbox shift mode		Power shift with shuttle+3-speed power shift with H&L			Power shift with H&L
Gear quantity		45+15			30+30
Creeper gear		Standard			Standard
Speed range	Forward(km/h)	0.33-40			0.32-38.5
	Reverse(km/h)	0.4-38.5			0.32-38.5
Final transmission		Planetary gear type			
Differential lock		Electrically controlled			
Brake type		No-Hydraulic-assisted braking, braker with Automatic compensation			
Parking brake		Independent hand brake			
Hydraulic system					
Steering hydraulic flow(L/min)		40			40
Hydraulic output flow(L/min)		70			50
Multi-way hydraulic spool valve Quantity		3+1 pairs			3
Lift control mode		Electrically controlled liftrer(Draft control、Position control、Position and draft control)			Draft control、Position control、Position and draft control
Lifting capacity	Suspension point(kN)	44			40
	at distance of 610 mm from lower links balls(kN)	30			28
Working device					
towing device		Up and down adjustable towing device			
Traction		Swing bar			Swing drawbar
PTO type		Electrically controlled PTO combined			
PTO gears		6+21			
Standard tires					
Front tire		380/70R28			
Rear tire		520/70R38			
Machine body					
Safety Roll Over Protection System					-
Cab	Cab with heater				-
	Cab with AC				●
Overall dimensions					
Length*Width*Height(To ROPS)(mm)		4837x2250x2820			5093x2190x2845
Wheel base		2397			2735
Track(mm)	Front wheels	1846			1846
	Rear wheels	1734			1734
Ground clearance(mm)	Min. ground clearance	480			497 (along the front drive bridge)
	Agronomic ground clearance	535			525
Tuning Radius(m)	With side braking	5.3±0.2			5.75±0.2
	Without side braking	4.9±0.2			5.45±0.2
Weight(kg)	Structure weight(without Cab)	4690			4740
	Minimum service weight	4950			5000
Counterweight (kg)	Front counterweight	480			
	Rear counterweight	420			

GM SERIES



FEATURES OF GM SERIES

LOVOL GM100 series combine harvester is multi-function harvester. It can be realized to harvest for wheat, maize, soybean, rice, sorghum ,etc. Standard intelligent terminal can realize remote control of operation volume and operation status. New upgraded cutting header, standard 3.86m header, 3.25m wheat header is optional for high yield area. Many kinds of maize header, 5 rows 650mm, 4 rows 700mm, 4 rows 750mm, and other headers.



KEY FEATURES

- 920mm wide bridge with smooth feeding, enhanced conveying capacity and fast operating speed.
- 600mm×3145mm threshing roller, cleaning room width is 1000mm and cleaning area is 3.2², good grains cleaning.
- Wider grain elevating conveyor, high efficiency, no clogging.
- 2.8m³ granary with large granary volume,reduce the frequency of grain unloading and improve operation efficiency.
- The 3.7 meters high unloading cylinder can meet the requirements of high unloading trucks.
- Key components, such as the compressor, track pump, motor, electro magnetic proportional multi-way direction valve, bearing and belt, are provided by premium suppliers around the world, which ensures high reliability.
- The Cross-country steering tires have good wear resistance, larger corner, and the turning radius is under 6 meters.



PRODUCTS INFORMATION

MODEL	GM80	GM100
Header parameter	3.25m/5*650mm	3.86m/4*700mm/4*750mm/4*800mm
L*W*H(mm)	7000x3090x3470	
Weight (kg)	7050	
Engine brand	Yuchai engine	
Power kw/HP	129/175	
Threshing cylinder type	Longitudinal axial flow	
Threshing cylinder diameter x Length	600x3145	
Separating area (m ²)	2.75	
Width of cleaning chamber (mm)	1000	
Driving axle	HydroStatic + Mechanical	
Driving tracks (mm)	1900	
Steering tracks (mm)	1900	
Grain tank capacity (m ³)	2.6	2.8
Fuel tank (L)	260	
Harvesting of crops	Wheat/maize/soybean etc.	

GK SERIES



FEATURES OF GK SERIES

The GK series wheeled harvester is a single longitudinal axial flow all-round product specially developed for medium and large plots. It can harvest maize, soybean, wheat and other grain crops only by replacing the header and threshing elements.



KEY FEATURES

- Equipped with excellent engines of Yuchai-185/220 horsepower dual power. Choose 220 horsepower for high-load operation to ensure strong power. Choose 185 horsepower for road transportation to reduce fuel consumption;
- Hydrostatic drive walking system, stepless adjustable walking speed, comfortable control, adopts American imported Danfoss hydrostatic drive chassis, more reliable;
- Adopting internationally advanced large-diameter longitudinal axial flow separation technology, drum size $\Phi 660\text{mm} \times 3015\text{mm}$, large separation area. The speed of the threshing drum adopts hydraulic stepless adjustment, which can realize between 300-900 rpm, and feed more quickly;
- Widen the cleaning room, the cleaning width is 1.3 meters, the cleaning area is 4.3 m^2 , the cleaning is cleaner, and no grain losen.
- Adopting large-diameter centrifugal fan, the wind speed can realize stepless adjustment, combined with multi-stage wind direction adjustment, the wind is even, and the cleaning effect is good;
- The folding type 7m³ large granary has long continuous operation time. The hydraulic rotation heightens the grain unloading drum, and the grain unloading height is more than 4.5 meters, adapting to the grain receiving trucks of different heights, reducing the auxiliary time of unloading grain, and improving the work efficiency;
- Reinforced four-wheel drive high ground clearance chassis with widened tires for good drive performance, strong road and field access and higher adaptability;
- Key parts adopt bearings and belts of internationally renowned brands, which significantly improve reliability.



PRODUCTS INFORMATION

PRODUCT MODEL		GK120		
Power parameter	Motor	Brand	Yuchai/LOVOL	
		Model	YC6A220-T300/1106D-SR6TA23	
		Rated power(Kw)	162	
Header parameter	Cutting width(mm)		4570/5336/6*700/6*750	
Performance parameter	Dimension mm	Length*Width *Height (mm)		10200*4150*4400/9520*5700*4400
	Feed quantity(kg/s)			12
	Weight(kg)			12190
Threshing	Threshing system		Longitudinal axial flow stepless adjustmant	
	Concave grate		Grate	
Grain storage system	Grain tank capacity m ³		7.0	
	Unloading method		Multi directional unloading	
Chassis system	Driving type		4X4	
	Drive wheel		14.9-24	
	Transmission		Mechanical hydrostatic	
Electric system	System voltage/ battery configuration		24V/2×6-QA-165	
Hydraulic system	Pressure of working device system Mpa		16MPa	
	Hydraulic pump	Form	CBTLJ-E416/E410 double sinistrogyration gear pump	
		Displacement cc/r	12+20ml/r	
		Rated pressure Mpa	16MPa	

Peanut Harvester



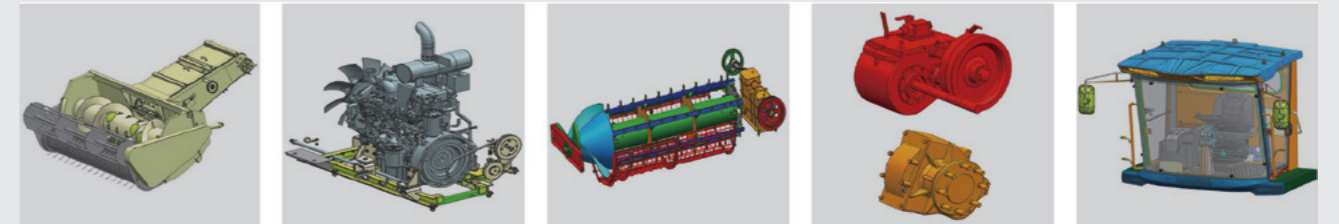
FEATURES OF PEANUT HARVESTER

Lovol self-propelled peanut picking harvester, with a number of core patented technologies, is a star product specially developed for peanut growers by Weichai Lovol Agricultural Equipment. The product has become a model of peanut picker and harvester industry by virtue of its high efficiency, high reliability and high comfort.



KEY FEATURES

- It adopts American imported hydrostatic drive chassis (large displacement variable pump + quantitative motor), comfortable operation, low failure rate, synchronizer gearbox, and the operator is more labor-saving and convenient;
- The 840 mm widened bridge conveyor has strong conveying capacity and high operation efficiency;
- The 145/150HP common rail engine provides strong power;
- The transmission is upgraded, with the intermediate driving shaft added for the whole vehicle and four links adopted for the main clutch, ensuring high transmission efficiency and no slipping;
- The hydraulic tilting design ensures convenient unloading and high reliability and causes small impact to the whole vehicle;
- The hydraulic tilting design ensures convenient unloading and high reliability and causes small impact to the whole vehicle;



PRODUCTS INFORMATION

Model	4HZJ-2600
Dimensions of complete vehicle (mm) L*W*H	6540*2990*3460
Rated power (KW/PS)	145/150
Drive type	Lovol D2.8 series main gearbox + closed wheel-side reduction axle
Pickup range (mm)	2600
Bridge conveyor width (mm)	840
Cleaning area (m ²)	1.15
Vehicle body system	Panoramic enclosed cab
Tank volume (L)	230
Peanut container (m ³)	2.3

SILAGE HARVESTER



FEATURES OF SILAGE HARVESTER

Germany's original Kemper 445 headers adapt to the majority of corn crops in China, The imported roll-type grain breaker rolls have a breaking rate of 98% or more, Equipped with Weichai 460hp engine with strong power and high reliability.



KEY FEATURES

- Six-stage cutting length adjustable to meet the requirements of various operating conditions of pastures;
- With functions such as automatic knife sharpening, automatic lubrication, metal detection, etc.;
- Key bearings, belts and blades for shredding rolls, grain breakers, etc. are imported;
- German original Linde hydrostatic traveling system has features such as one-lever control and high driving comfort;
- Adoption of imported high-end seats and handrails having better ergonomics than similar competing products;
- A 1000L large capacity fuel tank, a spray tank.



PRODUCTS INFORMATION

Item	Metering unit	Value	
Model	/	4QZ-30A1	
Silage harvester header	mm	4500/Germany's original Kemper 445 header	
Engine	Brand	/	
	Power	ps	Weichai WP12 460
Fuel tank volume	L	1000	
Feed chamber width	mm	730	
Chopping knife roll	Width	mm	750
	Diameter	mm	630
	Quantity	piece	20
Cutting length	mm	Six-level adjustable 5/6.5/8.5/11/17/21	
Grain breaker roll	Type	/	Double rolls
	Width	mm	645
	Diameter	mm	196
Spray tank	Volume	L	300 (Standard configuration)
Metal detector	/	Standard configuration	
Automatic lubrication	/	Standard configuration	
Spray cylinder rotation angle	°	210	
Traveling mode	/	Hydrostatic drive / one-lever control	
Traveling speed	km/h	0-32	
Throwing height	mm	5600	

PRECISION SEEDERS



FEATURES OF PRECISION SEEDERS

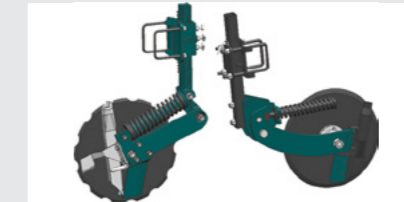
- Special bearing is used for disc soil parts which has better sealing property and long life.
- There are scrapers on the both side of the seeding discs and the scrapers on the outside adopt the tungsten steel material.
- We offered traction frame to be optional, the height from the ground are adjustable when the machine moving and transferring.
- The metering device are imported ---dedicated device and accurate calibration



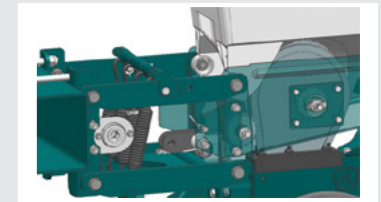
KEY FEATURES



Strengthen front beam, improve overall rigidity of skeleton beam;Equipped potash fertilizer pedal, adding fertilizer will be more convenient;It can be folded and assembled with heavy piece, which can be taken out as required.



Optional disc with notch or big diameter fertilizer opener, reliable quality, strong straw cutting ability, drag and heap proof,deep fertilization.



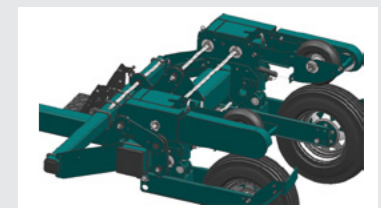
Strengthen four bar mechanism and transmission with two-stage will be more stable



With large-size fertilizer tank, decrease the frequency of adding fertilizer;With single fertilizer clean mouth, it will be more convenient to discharge fertilizer;Advanced Flexible Grooved Wheel technology, with small resistance and wide fertilizer adjustment range.



Hydraulic system is completely sealed with a 24-dimensional surface, the sealing effect.is better.



Adopting closed chain box, better dustproof effect, convenient adjustment of fertilizer amount, safe and beautiful.



PRODUCTS INFORMATION

TYPE	NO. OF ROW	ROW SPACING/CM	WORKING WIDTH /CM	WEIGHT/ KG	MATCHED POWER/HP	SEED CASE VOLUME/L	MANURE BOX VOLUME/L	DIMENSION (L*W*H)M
2BTQF-4A	4	40-70	160-250	1100	57-75	140	430	2.15*2.5*1.56
2BMQF-6A	6	40-70	240-400	1500	75-100	210	430	2.55*4*1.56
2BMQF-9A	9	40-70	360-600	1900	125-163	315	645	2.55*6*1.56
2BMQF-12A	12	40-70	480-800	2300	185-211	420	1290	2.55*8.2*1.56
2BTQF-18A	18	23-65	480-800	3370	≥210	630	1290	2.55*8.2*1.56

TRACTION TYPE AIR-ASSISTED SPRAYER



FEATURES OF TRACTION TYPE AIR-ASSISTED SPRAYER

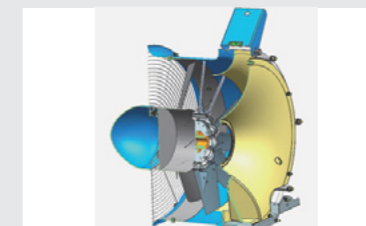
- Intelligent control, free spray. The most advanced quantitative governing technology is used, and the amount of spray can be adjusted at any time as needed to improve work efficiency and also reduce pesticide consumption;
- Dual wind technology, strong wind force. The optimized dual-air supply duct system improves airflow accuracy, and reduces wind resistance, achieving stronger wind force, better penetrability, higher covering rate of sprayer, and lower damage rate of fruit branches and leaves;
- Three-speed control, adjustable air volume. Transmission three-speed control, adjustable fan speed, adapting to fruit trees of different growth cycles and different leaf hardness;
- Profiling design, precise spray. The profiled stainless steel spray bar optimized according to fruit tree horticulture uses an imported two-way ceramic anti-drip spray nozzle, which can be opened and closed as needed and is durable.



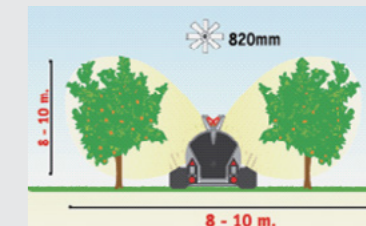
KEY FEATURES



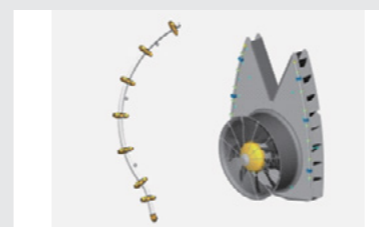
Large capacity spray tank design



Unique air supply duct system



Fruit tree canopy profiling design



Air curtain structure design, precise spray



Three-speed control, adjustable air volume



User's real work



PRODUCTS INFORMATION

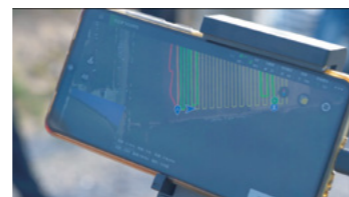
	Product model	ZF62000 (3WQF-2000)	ZF62000A (3WQF-2000A)	
Machine parameters	Working state (mm) length * width * height	4190*1500*1700	4190*1500*2267	
	Structural mass (kg)	650	650	
	Drive mode	Traction type	Traction type	
	Walking speed (km/h)	≤25	≤25	
	Minimum ground clearance (mm)	365	365	
Spray system	Spray tank volume (L)	2000	2000	
	Clear water tank volume (L)	150	150	
	Mixing mode	Jet mixing	Jet mixing	
	Rated operating pressure (MPa)	0 ~ 1.0	0 ~ 1.0	
	Spray control mode	Electrical control pressure regulation	Electrical control pressure regulation	
	Spray nozzle model	80°Hollow cone	80°Hollow cone	
	Number of spray nozzles (piece)	16	20	
	Liquid pump	Type	Diaphragm pump	Diaphragm pump
		Maximum pressure (MPa)	4	4
		Flow rate (L/min)	125	125
Speed (r/min)		550	550	
Air supply system	Diameter (mm)	915	915	
	Number of fan blades	12	12	
	Air volume (rated speed) m ³ /h	40000	40000	
	Speed (rpm)	2356	2356	

PLANT PROTECTION DRONE



FEATURES OF PLANT PROTECTION DRONE

- It is mainly used for crops that are difficult to achieve by traditional pesticide application methods such as fruit trees and paddy fields, which do not need the ground pesticide operations.
- With short take-off adjustment time, high efficiency and high attendance;
- The intelligent spraying flow control system can automatically adjust the spraying flow according to the working speed to effectively avoid respraying and burning seedlings.
- Use 100% carbon fiber material propeller, strong and lightweight; umbrella-type folding structure, easy to transport; six axes six oars, flight more stable; with broken oar protection.
- The quick changing liquid tank, to realize quick change of medicine box and improve operation efficiency.
- Obstacle avoidance radar can detect obstacles 2-15m in front of the machine, and stops automatically.



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- Obstacle avoidance radar can detect obstacles 2-15m in front of the machine, and stops automatically.



PRODUCTS INFORMATION

Item	LJ10L-606	LJ16L-606
Dimensions (Diameter*Height)(mm)	1300*450	1800*700
Structure Type	6 axis and 6 rotors	6 axis and 6 rotors
Battery Capacity(min)	10-15	10-15
Manual Remote Distance(m)	0~1000	0~1000
Positioning Mode	GPS(standard)/ RTK Centimeter level(optional)	GPS(standard)/ RTK Centimeter level(optional)
Battery Specification	2pcs 6S 17000mah	1pc 12S 22000mah
Work Efficiency(m/s)	4-6(Max 11) 4-6m/s(10m/s max)	4-6(Max 11) 4-6m/s(10m/s max)
Standard Spray Range(m)	4	6
Standard Spray Range Per 15L(Ha)	0.6	1
Maximum Pesticide Volume(kg)	10	16

SIDE-MOUNTED SQUARE BALER



FEATURES OF SIDE-MOUNTED SQUARE BALER

Reliable performance, efficient operation

Using imported Heavy type knotter from Germany with more stable performance and higher reliability;

6 tooth bars, big cam drum pickup, pickup is clean, operation is efficient;

Side traction, grass strips are not rolled, nutrition is well kept;

Plug-feeding structure, grass strip does not wound, block, which is more suitable for baling of forage and other crops with long straw ;

Casting one-piece piston rod, with high strength, and more powerful compression;

Open gear binding mechanism gearing with transmission of reliability and high efficiency;

The rack uses totally ordered welding jig, the entirety is welded structure with high strength, good driving stability.

Easy to operate

Using double transmission shaft to connect to the tractor, with easy connection, safe, flexible turning;

Adding overrunning clutch, which can effectively prevent transmission failure.

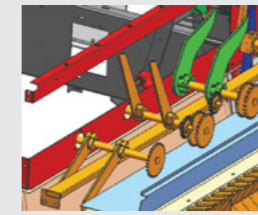
The left and right shroud use gas spring open support structures, maintenance, repair are more convenient.



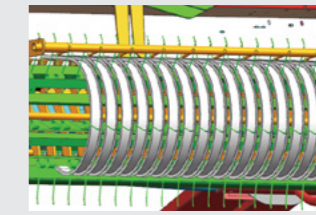
KEY FEATURES



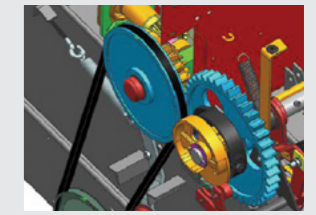
Imported heavy knotter from Germany



Pusher type feeding structure



Big roller pickup with 6 tooth bars



Open gear drive



PRODUCTS INFORMATION

SPECIFICATIONS		UNIT	MF5040
Dimension and weight	Dimension (L*W*H)	mm	6114×3048×1797
	Total weight	kg	1685
Pickup	Pickup width	mm	1900
	Tooth bar quantity		6
	Tooth quantity		78
Feeding mechanism	Structural style		Feeding shifting fork is with 3 pairs of rotating shifting fork
	Feeder tooth quantity		8 pieces
	Overload protection device		Safe shear bolt
Piston	Rated reciprocating frequency	time/min	93
Bale chamber	Bale chamber cross-section	mm	360×460
	Bale length	mm	305-1321
Matched power	Matched tractor power	hp	≥75
	PTO speed	r/min	540
Tyre	Model		Right 10.0-15 Left 13.5-15

ROUND BALER



FEATURES OF ROUND BALER

Round baler has the characteristics such as high reliability, high work efficiency, high degree of automation, high bundle density, strong adaptability, etc. Round baler can carry out picking and bundling operations on pasture and wheat, rice and corn stalks, as well as pasture ensilage operations.



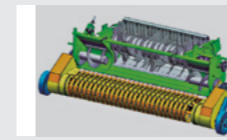
Automatic and manual working modes, free to switch



Y-traction beam



KEY FEATURES



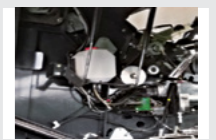
Integrated pick-up and feeding system



Imported sensor



High-strength rollers and chains



Centralized lubrication of chains with thin oil

- The integrated pick-up and feeding system is provided with 7 cutters, and has outstanding shredding and feeding ability; in addition, 6 spring-toothed super pickers with camless disc structure are adopted to achieve high picking efficiency and low failure rate.
- The whole machine has automatic and manual working modes; the user can freely choose them according to actual operating conditions; in the automatic mode, the machine can realize automatic winding, cutting and resetting, and is convenient and reliable.
- The electric control system uses an audible and visual alarm device and a Chinese display interface to inform the operator of the machine operation data in real time and in multiple directions.
- It has high work efficiency and can achieve a complete cycle of “picking-feeding-bundling-door opening-bundle releasing-door closing” within 63S in the automatic mode.
- The distance between the feeding rotor and the bottom plate can be adjusted hydraulically, and the feeding amount is large without blockage.



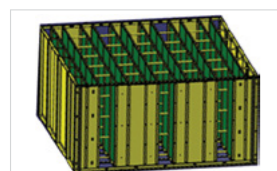
PRODUCTS INFORMATION

SPECIFICATIONS	MR7040 (9YRZ-1.25)	MR7045 (9YRZ-1.25A)
Outside dimension (mm)	4410×2780×2440	4410×2780×2440
Kerb mass (kg)	About 3300	About 3500
Operation width (mm)	1900	2300
Bundling mode	Wrapping	Wrapping
Number of shaped bundles (piece)	18	18
Straw bundle dimension (diameter*width, mm)	1250X1230	1250X1230
Feeding mechanism type	Rotor type	Rotor type
Number of cutters (piece)	7	7
Operation efficiency (bundle/H)	30-50	30-50
Supporting power (hp)	≥100	≥100
Applicable voltage (V)	12	12
PTOSpeed (r/min)	540	540
Safe protection device	Safety bolt	Safety bolt

LOW TEMPERATURE CYCLING GRAIN DRYER



FEATURES OF LOW TEMPERATURE CYCLING GRAIN DRYER



6 slot type stainless steel dryer section



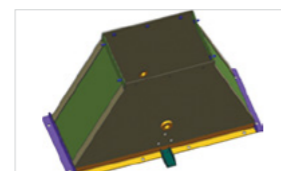
Embedded type ultra-low speed close layout mixing



High quality import online computer automated analyzer



Foreign well-known motor, bearing and electrical components



Anti-blocking product-discharge system



Typing operation panel



KEY FEATURES

Advanced drying structures and processes, high-quality grain drying

Using multi-channel (6 exercise type), film, cross-flow structure, to ensure that material flow is even without dead ends, air distribution is uniform, grain drying has high-quality;
Low temperature and large air circulation drying process, higher tempering drying time rate, smooth grain moisture transfer speed, and good nutrient retention.

Embedded ultralow close nesting design, grain damage is small, percentage of damage is low.

Advanced control system, simple operation, precise control

The unique design of automatic regulating device of hot air temperature, hot air temperature can be controlled $\pm 1^{\circ}\text{C}$ to ensure the continued stability of the drying process;

Using high quality computer automatically moisture meter ,the operation is easy, the measure is sensitive, accurate, reliable, which can ensure safety drying;

Control box uses type operation panel, which is easy to operate and durable.

Reliable quality, efficient operation

All high-speed grain flow components are manufactured by wear-resistant materials treated by a special process, and reliability are increased;

All parts in contact with the gas are manufactured by stainless steel materials, which has excellent corrosion resistance;

New leakage blocking design, speed of in and out of materials is fast, the operation efficiency is high;

The motor, bearings and electrical components are used well-known foreign brand products, which have high reliability, and low failure rate.



PRODUCTS INFORMATION

SPECIFICATIONS		5HXW-12	5HXW-15	5HXW-21
Handling capacity (kg)	Wheat	14520	18150	21780
	Rice	12000	15000	18000
Dimension mm (L*W*H)		4530x3048x8250	4530x3048x9500	4530x3048x10750
Total weight (kg)		2568	2768	2968
Heat source (optional)	Form	Cowper stove		
	Sparking mode	Automatic, manual		
	Consumption (kg/h)	Biomass fuel rice husk	50-60	
Coal		≤30		
Fuel	Rice husk, corn cobs, coconut shells, wood scraps, coal			
Rated voltage	Three phase 380V 50Hz			
Required(KW)	10.79			
Performance	Grain input time	About 50 minutes	About 55 minutes	About 60 minutes
	Grain output time	About 45 minutes	About 50 minutes	About 55 minutes
	Precipitation rate	0.6~1.2%/h		
	Machine start volume	Rice: 2800		Wheat: 3388
Safety device	Air pressure switch, hot air temperature detecting device, flame detecting device, abnormal overheating detecting device, thermal relays, leakage protection single-phase circuit breakers, full amount detecting device.			

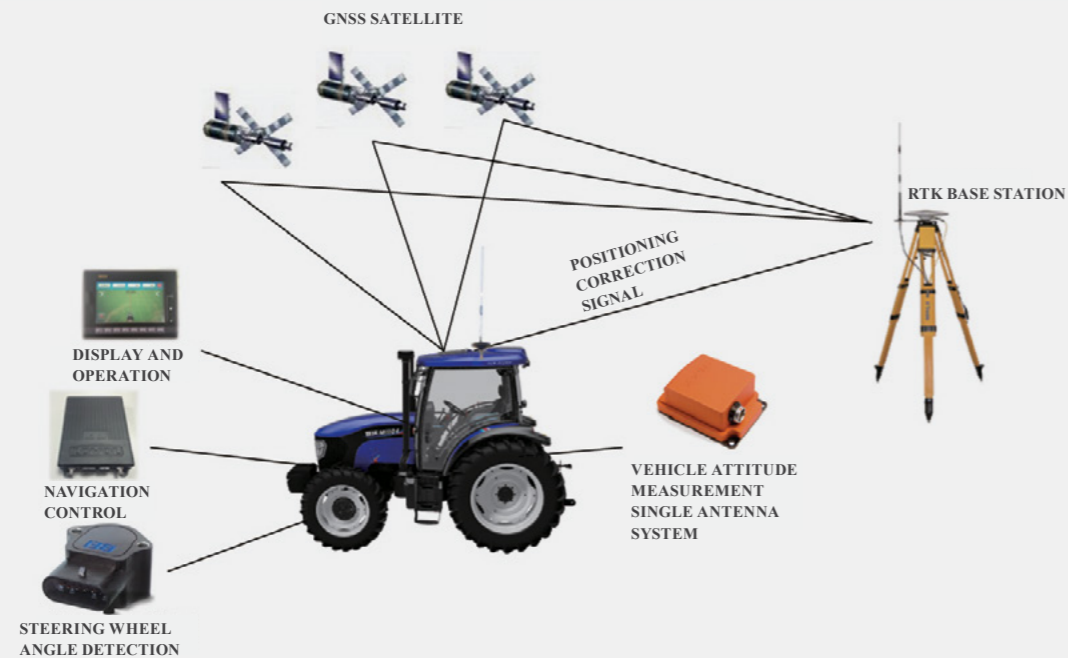
AGCS- I AUTOMATIC NAVIGATION DRIVING SYSTEM

AGCS-I automatic navigation driving system consists of hydraulic steering valve, GNSS positioning antenna (two for dual antenna system, and one for single antenna system), angle measurement sensor, controller, attitude sensor (applicable to single antenna system), display, RTK differential base station, etc. Through path planning and trajectory tracking control, the system can realize all-weather auxiliary automatic operation of agricultural machinery, and is applicable to precision seeding, land tillage, fertilization, spraying, making ridge, etc. The navigation assisted automatic operating system is suitable for installation on the ≥70hp model with a cab, supports BDS/GPS/GLONASS three-star positioning, and has good stability.



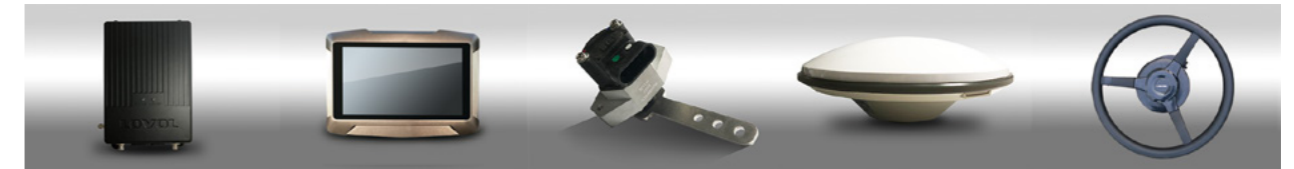
Navigation display Dual GNSS positioning antenna Attitude sensor Angle sensor Electrically controlled hydraulic steering device

- Standard configuration: automatic navigation (driving) working mode; optional unmanned working mode
- High precision 2D (dual antenna), 3D (single antenna) terrain compensation correction
- Navigation tracking adapting to straight lines; optional navigation tracking adapting to broken lines, small curvature curves, etc.
- The main performance indicators are as follows: 1) linear navigation control accuracy: $\pm 2.5\text{cm}$; 2) steering angle control accuracy: $\leq 0.5^\circ$; 3) average line connection accuracy: $\pm 2.5\text{cm}$; autonomous differential base station operating radius up to 30km.



AGCS-II STEERING WHEEL AUTOMATIC NAVIGATION

- Controller: Built-in high-precision positioning board; through RTK technology calibration, centimeter-level positioning, path planning and trajectory tracking control are achieved, so that a vehicle walks according to the predetermined trajectory. The hardware and control software have completely independent intellectual property rights.
- Display: 8" high-resolution TFT true color touch screen, industrial grade, strong environmental adaptability and high reliability; Chinese-Uygur bilingual interface, real-time display of job information, simple operation.
- Angle sensor: mechanical self-reset function; resistant to water, oil, gas, vibration, etc.; applicable to places with frequent changes in angle, severe environment, etc.
- Satellite positioning antenna: Wide-band dual-frequency multi-mode positioning antenna covering satellite systems such as Beidou, GPS, GLONASS, etc.; strong environmental adaptability and high reliability; used in cooperation with high-precision positioning boards.
- Electric steering wheel: continuous and precise control via a motor. Simple installation; no need to refit complex hydraulic components; high efficiency completion in cooperation with Lovo high-precision receiver.



Controller Display Angle sensor Satellite positioning antenna Electric steering wheel

- When it is used for seeding operations, the driver's driving level is not strictly limited, thus saving 60% of the operator's salary.
- Not limited by light and day and night; fast speed; improving work efficiency by at least 20%.
- Solving the bottleneck "non-straight sowing lines, inaccurate line connection"; increasing harvesting rate by 2%~3%; increasing the income per mu by 60~90 yuan.
- When it is used for seeding operations, the land utilization rate can be increased by at least 0.5% to 1%.
- The residual film recovery rate is increased by 8%~10%.



WEICHAI LOVOL R&D

TECHNOLOGY INNOVATION IS THE SOUL FOR ENTERPRISE DEVELOPMENT.

WeiChai Lovol Heavy Industry has completed building a global R&D system architecture, comprised of the "Italy-Tianjin-Weifang" agricultural equipment R&D system and the "Japan-Tianjin-Qingdao" construction machinery R&D system. It owns 4 R&D centers, 2 prototype testing centers and has formed the business model of "Developed in globe, made in China, distributed to the world".

The company has more than 2,000 R & D staff, applied for 868 domestic patents and 8 foreign patents, and presided over or participated in the formulation/revision of 63 national and 7 industrial standards.



WeiChai Lovol Heavy Industry R&D Center was founded in Bologna and it attracts leading experts experienced in engine instal-

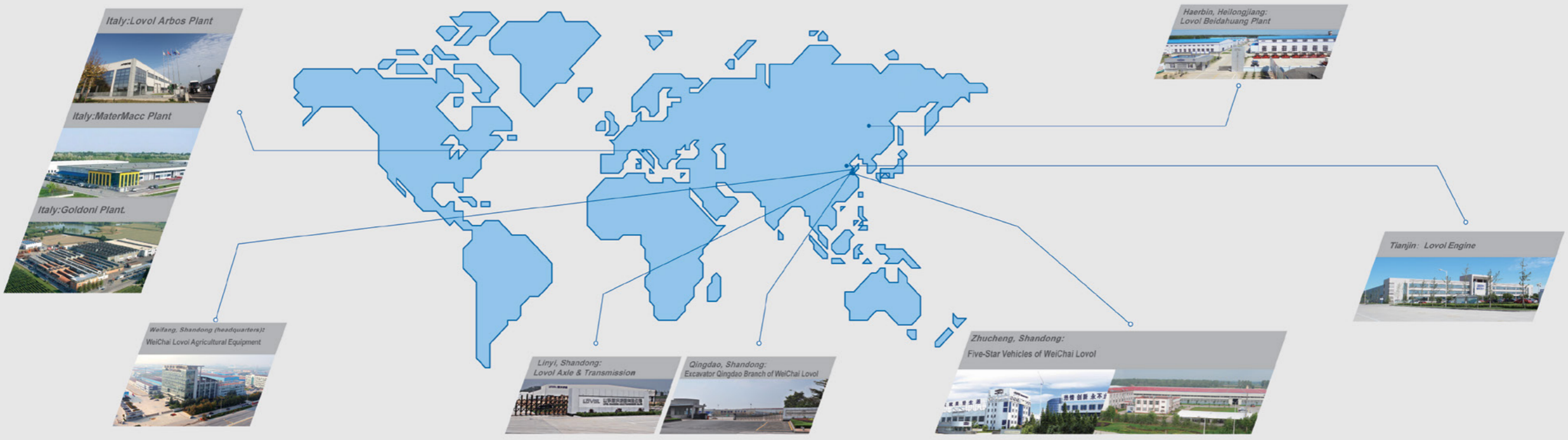
WeiChai Lovol Heavy Industry Japan R&D Center was founded in Kobe and Osaka and it has leading experts experienced in machine matching, power, hydraulics, electronic control, test and verification working there.

4 R&D Capacity Center, 2 prototype testing Center

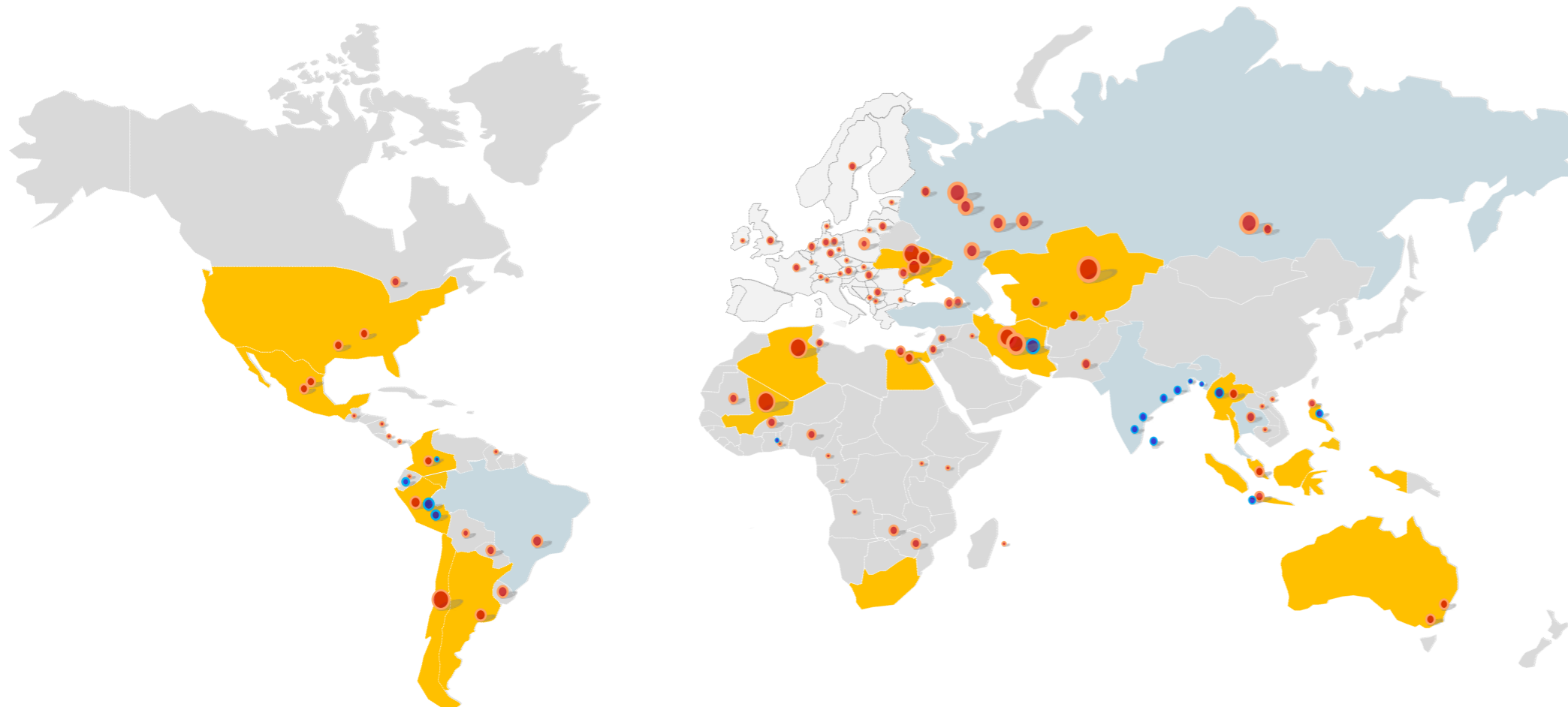
- ◆ Hydraulic Capacity Center
- ◆ Electric Control Capacity Center
- ◆ Transmission Technology Center
- ◆ Vehicle Technology Center



EIGHT MANUFACTURE BASES IN GLOBAL



Product Support Network



Our Product Support

- When you choose Lovol products, you immediately have our uncompromised commitment to wholehearted supporting during the complete product life. Both local after-service team from authorized dealer, and our well-trained service engineers from Lovol are prepared to reach any corner of the earth whenever there is a rush in need, just to make sure our product performance meeting your expectations.
- To meet the increasing demand for parts replacement from tens of thousands Lovol customers, we are continuously stepping up the effort in improving our parts distribution efficiency, backed by the latest information technology. With the ever expanding customer base globally, more regional spare parts centers have been established and planned, so that you will be available to receive Genuine Lovol Parts much easier in the near future.
- Every year, we provide many on-site product usage and maintenance training to our customers. We also conduct comprehensive training to our dealer teams and guarantee them to enhance their service capability locally.
- Pursuing customer satisfaction is a never ending journey, everything we do here has one ultimate goal that is to make you happier and even more successful as a Lovol customer.
- We want to hear from you, and we pay great attention to your feedback. Please contact us should you have any product enquiries or suggestions, you are guaranteed to receive our response within 24 hours.