

ARBOS P3504

The ARBOS P3504 wheeled tractor is a high ground clearance tractor designed for paddy field operations. It has the following characteristics:

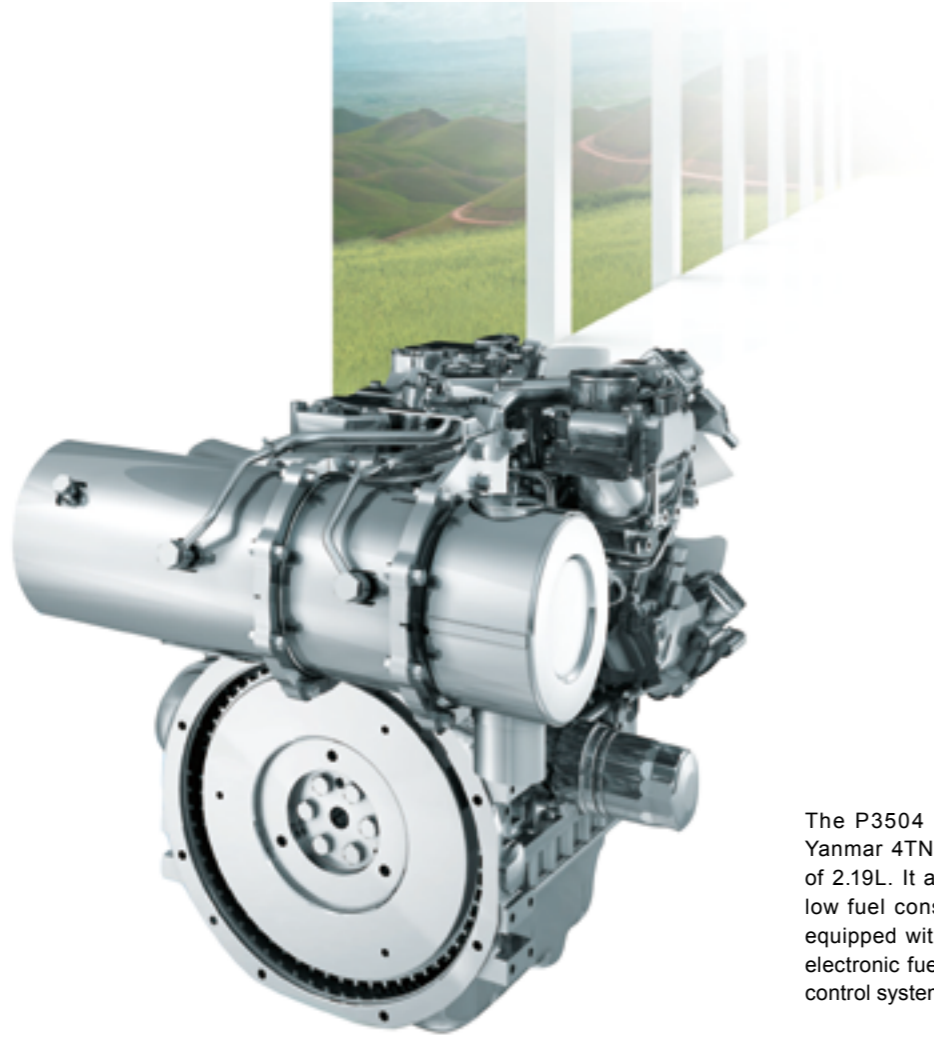
- Using Japan's original high performance engine, it is fuel-saving, reliable and powerful;
- It has light weight, small steering radius, high ground clearance, thus it is more suitable for paddy field operations;
- Using synchronizer shuttle shifting, side control of main and range shift, shock absorbing floor, etc., it is in line with paddy field operation habits;
- It can be equipped with agricultural machinery such as disc plough, disc harrow, bulldozer, 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.



© The picture is from Chiang mai, Thailand



POWERFUL AND RELIABLE



The P3504 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.

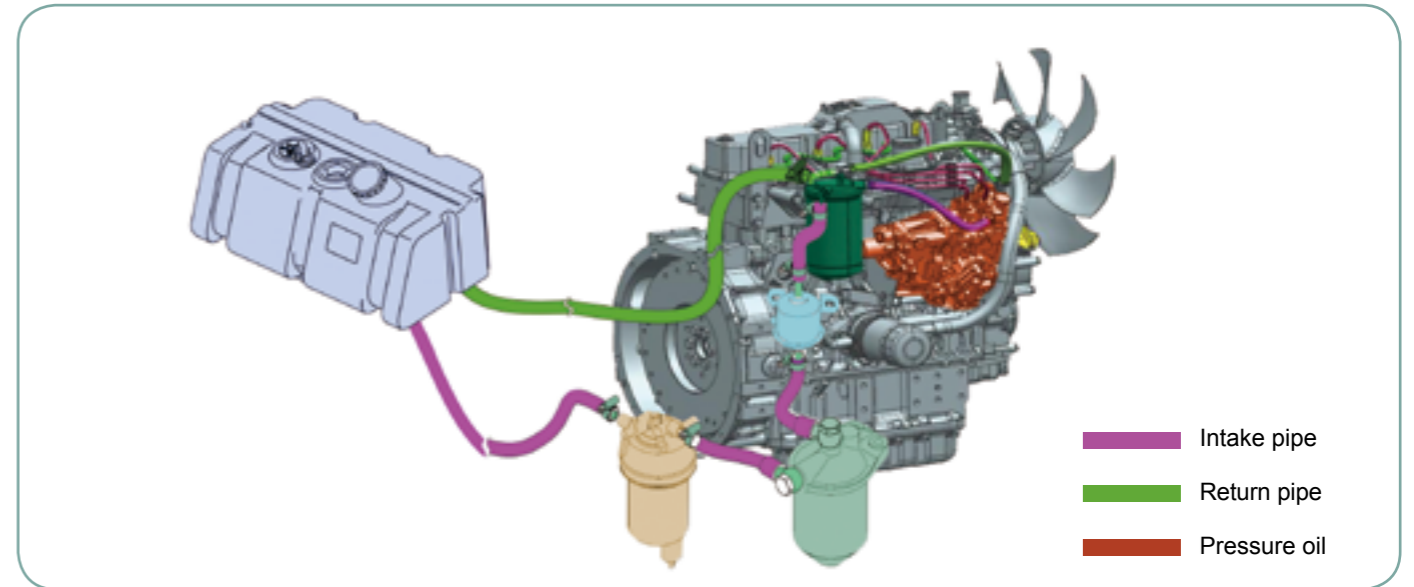


FUEL CONSUMPTION IN DIFFERENT WORKING CONDITIONS

Different working conditions		Unit	P3504 fuel consumption
Paddy field	Mud foot 20cm	kg/h	2.95
	Mud foot 60cm		6.49
Dry field	Rotary tiller		2.83
	Disc harrow		4.62

*The data is for reference only

FUEL SUPPLY SYSTEM



Electronic fuel pump



Electronic flameout control system



Japanese original engine with reliable quality



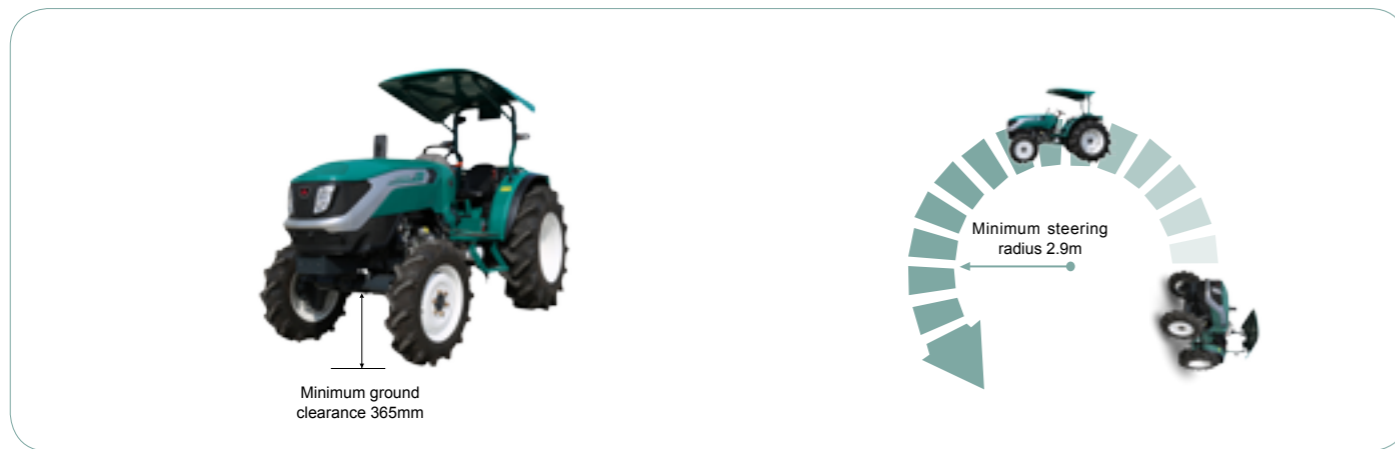
PROFESSIONAL CHASSIS DESIGN FOR PADDY FIELD



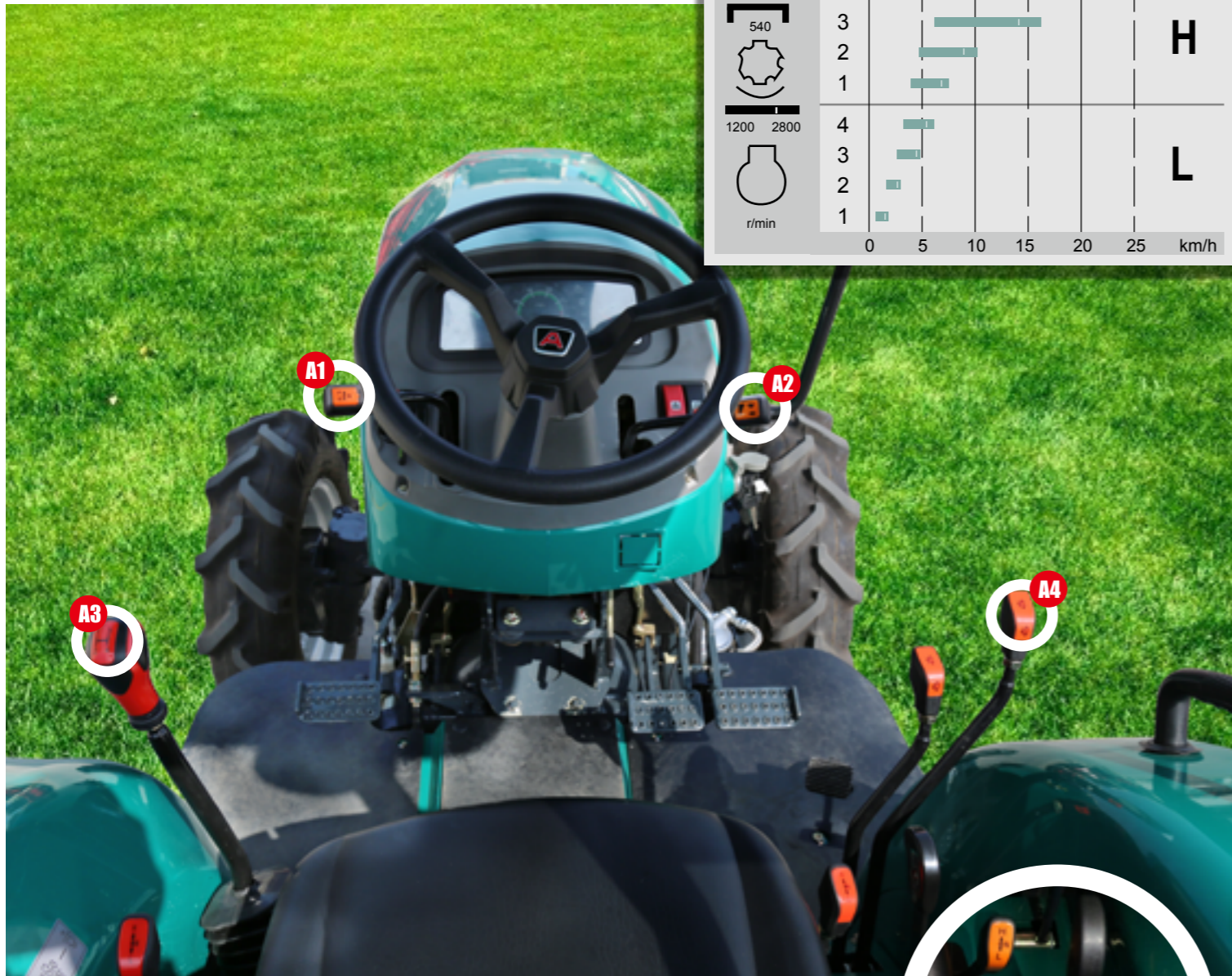
The normal steering circle radius is 3.2 meters and the minimum steering circle radius is 2.9 meters. The steering advantage is obvious. The front wheel has a steering angle of 50° and the steering wheel can be turned 3.5 turns.

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Dedicated high ground clearance front drive axle for paddy field, with a rocking angle of 9°, a steering angle of 50° and a small steering radius.



● THE HANDLE POSITION LAYOUT IS REASONABLE AND EASY TO OPERATE



The distributor operating mark facilitates the user to judge the position of the machine and tools, that is, different lifting height correspond to different scales heights, and the use of limit knob can ensure the consistency of the working depth of the machine and tools.



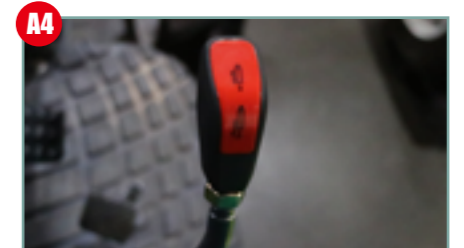
The forward and reverse synchronizer shuttle shift levers are easy to switch in the direction of travel, and the operating force is small and comfortable.



With manual throttle control lever which is of push-pull design, its control is more effective and more labor-saving.



With left main shift control lever, it is more in line with the driving habits of local users. The use of synchronizer shift provides small control force, clear shifting, and good feeling of control.



The hydraulic output control lever is placed in the most convenient position for frequent use without fatigue.



● CAN BE USED WITH A VARIETY OF MACHINES AND TOOLS, HAVING GOOD ADAPTABILITY TO WORKING CONDITIONS



Overall working condition in dry fields: matching disk harrow, rotary tiller, front bulldozer and other machines and tools to easily complete stubble ploughing, harrowing, rotary tillage and other field operations.
Detailed working conditions in dry fields: matching 1.7~1.9m rotary tiller, 6×Φ610mm disc harrow and 1.8m front bulldozer to meet the requirements of rotary tillage, harrowing and bulldozing under edaphic conditions such as clay loam and sandy loam.

Overall working condition in paddy fields: matching rotary tiller to complete the pulping work.
Detailed working conditions in paddy fields: matching 1.7~1.9m rotary tiller, meet the requirement of mud foot 40~60cm paddy filed work.



● Operation with bulldozer

It can be used for paddy field and dry field bulldozing operation to make the land flat.



● Operation with rotary tiller

Matching the 1.7-1.9m rotary tiller, 540r/min & 750r/min two-speed PTO gear combination is set for selection. Gear switching can be easily completed according to the working load to ensure the operating efficiency and performance while achieving better fuel economy.



● Operation with disc harrow

Matching 6×Φ610mm disc harrows, it can easily meet the needs of 15~25cm cultivation operations.



● Operation with disc plough

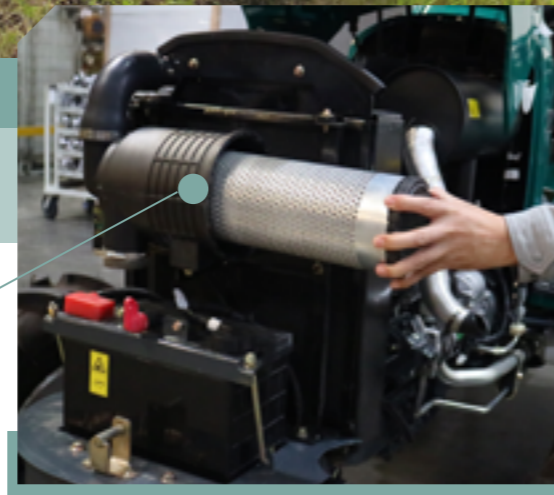
The disc plough is connected and matched with the tractor's full suspension. In operation, the plough disc rotates to plow the soil.

● CLASSIC APPEARANCE DESIGN OF ARBOS



The appearance of the P3504 is in line with the modern development trend. It inherits the classic facial features of the ARBOS family. The stretched sideways lines with sharp vertical lights and elegant silver trims of the waist create a more dynamic and layered sculpt. The design is unique and novel with creativity, smooth lines, stable colors, and is simple and beautiful.

MAINTENANCE OF P3504



When the maintenance indicator shows a signal, please maintain the filter element. Open the air filter clamp to remove the air filter cover, remove the coarse filter element and the fine filter element in turn, and blow it from the inside out with compressed air (pressure not greater than 588KPa). After the filter element has been serviced six times, replace it with a new one.

Item		Unit	P3504
Model		—	4×4Wheel type
Rated traction		kN	10.3
Maximum lifting force		kN	10.1
Maximum power of PTO shaft		kW	28.9-33.3
Dimension	Length (including rear suspension)	mm	3400
	Width (common tread, outside of standard tires)	mm	1570
	Height (standard tire)	mm	2260
Wheelbase		mm	1935
Wheel track	Front wheel	mm	1150
	Tread front wheel adjustment mode	—	Non-adjustable
	Rear wheel	mm	1155、1225、1325、1353、1453
	Tread rear wheel adjustment mode	—	Step adjustable
Ground clearance	Minimum ground clearance	mm	365 (Traction plate bracket)
	Agronomic clearance	mm	400
Steering angle		°	50
Minimum steering circle radius	Unilateral braking used	m	2.9
	Unilateral braking not used	m	3.2
Structure mass		kg	1615
Minimum use mass		kg	1780
Quality distribution	Front wheel	kg	700
	Rear wheel	kg	1080
Speed range		km/h	2.54-26.36
Engine	Trademark or brand	—	Yanmar
	Cylinder number	—	4
	Cylinder diameter × stroke	mm	88×90
	Delivery capacity	L	2.19
	Rated power	kW	36.8
	Rated speed	r/min	2800
	Maximum torque / speed	N·m/r/min	458.1/1091
	Total Power at rated point Specific fuel consumption	g/kW·h	256.6
Perfusion capacity	Radiator	L	4.9
	Fuel tank	L	50
	Engine oil pan	L	9
	Chassis oil	L	27
	Front drive axle	L	4



Match the front dozer blade for field work



Category 1 rear three-point suspension, standard traction plate, with optional trailer



If there is no demand for dozer blade, the front weight is optional to adjust the weight distribution across the tractor.