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Hydraulic Reversible Plough

Product Description

Hydraulic reversible plough is a product specially designed for agricultural mechanized operations. The product adopts high-strength steel and modular structure, suitable for medium and large horsepower tractors, and meets the deep ploughing needs of dry fields, paddy fields and different soil conditions. Its core feature is the hydraulic reversible function, which can quickly switch the direction of the plough body through the hydraulic system to realize two-way ploughing, significantly improving operation efficiency and reducing idle turning time at the field head. Then, The product is equipped with an optimally designed high-speed mouldboard, which reduces operating resistance through fluid mechanics modeling, making the soil crushing more uniform and the soil-turning effect better. Finally, The multi-share structure supports flexible configuration to meet the needs of different field sizes and ploughing depths. The body adopts wear-resistant coating and reinforced welding process to ensure stability under long-term high-intensity use.



Product Features

✓ High Efficiency & Energy Saving

The fluid mechanics mouldboard reduces resistance by 18%, fuel consumption per mu is 1.2L, and the two-way hydraulic reversing efficiency is increased by 35%.

✓ Intelligent control

The EC sensor adaptively adjusts the ploughing depth, with 93% stability in the black soil area.

✓ Soil Improvement

The three-dimensional plough body achieves 95% residue burial and improves organic matter mixing uniformity by 40%.

✓ Superior Durability

Q345B steel frame + manganese steel connection part, service life 8000 mu; replaceable tungsten carbide tip, cost reduced by 70%.

✓ All-scenario adaptation

One-click switching between deep ploughing for corn, shallow ploughing for wheat and saline-alkali soil improvement mode, supporting IoT fault prediction.

Product parameters

Item Name	Roller Quantity	Single Roller Working Width	Max Working Width	Roller Longitudinal Distance	Matched Power	Beam Size	Clearance Under Beam
Unit	pcs	/	/	/	/	/	/
360 Type	6(3×2)	530, 600	1800	1200	150–180	140×140	90
440 Type	8(4×2)	350, 400	1600	1000	140–180	120×120	85
450 Type	8(4×2)	440, 500	2000	1000	160–210	120×120	85
460 Type	8(4×2)	530, 600	2400	1200	210–240	140×140	85
550A Type	10(5×2)	500	2500	1000	210–260	140×140	85
550 Type	10(5×2)	440, 500	2500	1000	210–260	140×140	85
560 Type	10(5×2)	530, 600	3000	1200	220–280	140×140	85

650 Type	12(6×2)	530, 600	3200	1200	260–320	160×160	85
750 Type	14(7×2)	440, 500	3500	1000	280–400	160×160	85