

【国机集团国际化经营系列丛书】



国机制造

R&D AND MANUFACTURE

(2019版)

第四卷

中国一拖



中国机械工业集团有限公司
China National Machinery Industry Corporation



国机制造
R&D AND MANUFACTURE

CONTENTS

目录

按公司分类

第一卷 Volume I

中国机械设备工程股份有限公司
China Machinery Engineering Corporation

1. 中设集团装备制造有限责任公司 China Machinery Industrial Products Co., Ltd.	1
2. 天津电气传动设计研究所有限公司 Tianjin Research Institute of Electric Science Co., Ltd.	10
3. 哈尔滨电站设备成套设计研究所有限公司 CHINA HARBIN POWER SYSTEM ENGINEERING & RESEARCH INSTITUTE CO.,LTD.	33

中国福马机械集团有限公司
China Foma (Group) Co.,Ltd.

4. 中国福马机械集团有限公司 China Foma (Group) Co.,Ltd.	73
--	----

中国地质装备集团有限公司
China Geological Equipment Group Co., Ltd

5. 中国地质装备集团有限公司 China Geological Equipment Group Co., Ltd	118
--	-----

中国国机重工集团有限公司
China SINOMACH Heavy Industry Corporation

6. 中国国机重工集团有限公司 China SINOMACH Heavy Industry Corporation	241
--	-----

第二卷 Volume II

国机重型装备集团股份有限公司
SINOMACH Heavy Equipment Group Co., Ltd.

7. 二重（德阳）重型装备有限公司 Erzhong (Deyang) Heavy Equipment Co.,Ltd.	341
--	-----

目录

CONTENTS

国机汽车股份有限公司
Sinomach Automobile Co.,Ltd.

8. 中国汽车工业工程有限公司
China Automobile Industry Engineering Corporation (AE)

447

机械工业第六设计研究院有限公司
No.6 Institute of Project Planning & Research of Machinery Industry

9. 机械工业第六设计研究院有限公司
No.6 Institute of Project Planning & Research of Machinery Industry

510

国机集团科学技术研究院有限公司
SINOMACH Academy of Science and Technology Co.,Ltd.

10. 沈阳仪表科学研究院有限公司
Shenyang Academy of Instrumentation Science Co.,Ltd.

528

洛阳轴研科技股份有限公司
Luoyang Bearing Science & Technology Co.,Ltd.

11. 洛阳轴研科技股份有限公司
Luoyang Bearing Science & Technology Co.,Ltd.

551

第三卷 Volume III

中国农业机械化科学研究院
China Academy of Agriculture Mechanization Sciences

12. 中国农业机械化科学研究院
China Academy of Agriculture Mechanization Sciences

599

第四卷 Volume IV

中国一拖集团有限公司
YTO Group Corporation

13. 中国一拖集团有限公司
YTO Group Corporation

885

CONTENTS

目录

第五卷 Volume V

中国恒天集团有限公司
China Hi-Tech Group Corporation

14. 经纬纺织机械股份有限公司 JingWei Textile Machinery Co., Ltd.	971
15. 经纬智能纺织机械有限公司 Jingwei Intelligent Textile Machinery Co.,Ltd.	974
16. 郑州纺机工程技术有限公司 Zhengzhou Textile Machinery Engineering & Technology Co. Ltd.	993
17. 青岛宏大纺织机械有限责任公司 QINGDAO HONGDA TEXTILE MACHINERY CO, LTD.	1000
18. 沈阳宏大纺织机械有限责任公司 Shenyang grand textile machinery Co., LTD.	1030
19. 天津宏大纺织科技有限公司 Tianjin Hongda Textile Machinery Co., Ltd.	1036
20. 郑州宏大新型纺织机械有限责任公司 Zhengzhou Hongda New-type Textile Machinery Co.,Ltd.	1043
21. 常德纺织机械有限公司 CHANGDE TEXTILE MACHINERY CO., LTD.	1053
22. 宜昌经纬纺机有限公司 Yichang Jingwei Textile Machinery Co., Ltd.	1062
23. 经纬津田驹纺织机械（咸阳）有限公司 JINGWEI TSUDAKOMA TEXTILE MACHINERY (XIANYANG) CO., LTD.	1081
24. 无锡宏大纺织机械专件有限公司 Wuxi Hongda Texparts CO., LTD.	1085
25. 黄石经纬纺织机械有限公司 HUANGSHI JINGWEI TEXTILE MACHINERY CO.,LTD.	1090
26. 武汉纺友技术有限公司 Wuhan Texmate Technology Co. Ltd.	1093
27. 立信染整机械（深圳）有限公司 FONG'S NATIONAL ENGINEERING CO., LTD.	1103

目录

CONTENTS

28. 高乐纺织机械有限公司 Goller (HK) Limited	1109
29. 立信门富士纺织机械（中山）有限公司 Company Name: Monforts Fong's Textile Machinery (Zhongshan) Co., Ltd.	1112
30. 中国纺织科学技术有限公司、宏大研究院有限公司 China Textile Science and Technology Co., Ltd. ; Hongda Research Institute Co., Ltd.	1116
31. 常德经纬摇架科技有限公司 CHANGDE JINGWEI PENDULUM ARM TECHNOLOGY CO.,LTD.	1121
32. 江西凯马百路佳客车有限公司 Jiangxi Kama Business Bus Co., Ltd.	1133
33. 北京恒天鑫能新能源汽车技术有限公司 Beijing Hi-Tech Xinneng New Energy Automobile Co., Ltd.	1138
34. 湖北新楚风汽车股份有限公司 Hubei Xin chufeng auto	1143
35. 山东华源莱动内燃机有限公司 Shandong Huayuan Laidong Engine Co., Ltd.	1154
36. 山东凯马汽车制造有限公司 Shandong Kama Automobile Manufacturing Co.,Ltd.	1159
37. 南昌凯马有限公司 Nanchang Kama Co., Ltd.	1165
38. 无锡华源凯马发动机有限公司 WUXI WORLDBEST KAMA POWER CO.,LTD.	1172
39. 郑州恒天大建桥梁钢构有限公司 Zhengzhou Hi-Tech Dajian Bridge Steel Co. LTD.	1176
40. 郑州宏达汽车工业有限公司 Zhengzhou Hongda Automobile Industry Co., Ltd.	1180
41. 郑州恒天重型装备有限公司 ZHENGZHOU HI-TECH HEAVY INDUSTRY CO.,LTD	1185
42. 恒天九五重工有限公司 CHTC JOVE HEAVY INDUSTRY Co.,Ltd.	1194
43. 保定天鹅新型纤维制造有限公司 Baoding Swan fiber co.,ltd.	1205

CONTENTS

目录

44. 恒天宝丽丝生物基纤维股份有限公司 HI-TECH POLYACE BIOBASED FIBER CO., LTD.	1212
45. 恒天长江生物材料有限公司 CHTC CHANGJIANG PLA CO.,LTD.	1215
46. 恒天中纤纺化无锡有限公司 CHTC sinofiber wuxi co., LTD.	1218
47. 恒天海龙（潍坊）新材料有限责任公司 CHTC HELON (WEIFANG) NEW MATERIALS CO.,LTD.	1223

第六卷 Volume VI

中国电器科学研究院股份有限公司
China National Electric Apparatus Research Institute Co., Ltd.

48. 中国电器科学研究院股份有限公司 China National Electric Apparatus Research Institute Co., Ltd.	1229
---	------

国机智能科技有限公司
Sinomach Intelligence Technology Co., Ltd

49. 国机智能科技有限公司 Sinomach Intelligence Technology Co., Ltd	1251
---	------

合肥通用机械研究院有限公司
Hefei General Machinery Research Institute

50. 合肥通用机械研究院有限公司 Hefei General Machinery Research Institute	1325
---	------

桂林电器科学研究院有限公司
Guilin Electrical Equipment Scientific Research Institute Co., Ltd.

51. 桂林电器科学研究院有限公司 Guilin Electrical Equipment Scientific Research Institute Co., Ltd.	1406
--	------

目录 CONTENTS

按产品类别分类

1 农业机械 Agriculture Machinery

1.1 中国福马机械集团有限公司 CHINA FOMA (GROUP) CO.,LTD.

(1) 水田车 3WZ-350A/Paddy field Vehicle 3WZ-350A—NO.7	75
(2) 果园机 3WL-16A/machine 3WL-16A—NO.8.....	77
(3) 手扶式插秧机 (2ZS-6) /Hand-supported rice transplanter (2ZS-6)	79
(4) 乘坐式高速插秧机 /High-speed rice transplanter (2ZG-6D1)	80

1.2 中国农业机械化科学研究院 China Academy of Agriculture Mechanization Sciences

(1) 耕整种植机械 /Cultivator and planting series	601
(2) 排灌节水机械 /Equipment and Engineering for Irrigation System.....	612
(3) 植保机械 /Equipment for Modern Agriculture–Plant Protection	614
(4) 收获机械 /Harvesting Machinery	621
(5) 9YFQ-1.9 型跨行式方草捆捡拾压捆机 /9YFQ-1.9 Square Baler	639
(6) 9YFQ-1.5 型跨行式方草捆打捆机 /9YFQ-1.5Square Baler.....	641
(7) 9YFC-1.7 型方草捆捡拾压捆机 /9YFC-1.7 Square Baler	643
(8) 9YFS-2.0 型三道捆绳方草捆捡拾压捆机 /9YFS-2.0MiddleSquare Baler.....	645
(9) 9YG-1.4/1.2 圆草捆卷捆机 /9YG-1.4-1.2Round Baler	647
(10) 9YFE-450 型二次饲草压缩机 /9YFE-450 forage compressor	648
(11) 9GBQ-3.0 切割压扁机 /9GBQ-3.0 Mover Conditioner	649
(12) 9LZ-6.0 指盘式搂草机 /9LZ-6.0 disc rake	651
(13) 9JK-2.7 型小方草捆捡拾车 /9JK-2.7 Square balepick-up.....	653
(14) 9CJ-3.0 型散草捡拾运输车 /9CJ—3.0Scattered grass pick-up truck.....	654
(15) 9GZ-0.5 自走式灌木平茬收割机 /9GZ-0.5 type Self-propelled Shrub Harvester	655
(16) 9GZ-1.0 自走式灌木平茬收割机 /9GZ-1.0 type Self-propelled Shrub Harvester	657
(17) 方草捆机系列 /Squarebale Binding Machine	659
(18) 92YG 系列圆捆机 /92YG Round balebaling machine.....	660
(19) 1BQ-3、1BQ-4 动力驱动耙 /1BQ-3, 1BQ-4 Power Harrows	661
(20) 92GZX-0.9、 1.7、 2.5 系列旋转割草机 -92GZX-0.9, 1.7, 2.5Rotary mower	662
(21) 9LZ-3.0、 4.0 、 4.8 系列指盘搂草机 /9LZ-3.0, 4.0 ,4.8Disc Rakes	664
(22) 小方捆打捆机 /Small Rectangular Balers.....	665
(23) 大中型方捆打捆机.....	666

CONTENTS 目录

(24) 栅栏式搂草翻晒机 /Fence Type Hay Rale	667
(25) 切枝机 /Brush Chippers.....	668
(26) 全混合日粮搅拌喂料车 / TMR Complete Diet Mixer/Feeder	669
(27) 饲料膨化机 / Multi-function Extruders for Feed.....	670
(28) 9TXS-9.0 型钢屋架采暖畜舍 /9TXS-9.0Barn with Heating	671
(29) 9CK-9.0 储草库 / The 9CK-9.0 grass storage	672
(30) 9L-2.0 畜舍围栏 /9L-2.0 Fence for the barn	673
(31) GLC 型链板式干燥机 /GLC Series Dryer	674
(32) 智能化挂面干燥系统 / Intelligent noodles drying system	676
(33) 屠宰加工生产线 /slaughter and processing equipment and engineering	677
(34) 薯类深加工设备 /Potato Processing Equipment.....	680
(35) 油脂加工设备 / Oil processing equipment.....	694
(36) 制冷设备 / Renewable Energy Equipment.....	700
(37) “Ace” 牌剪羊毛定刀片及动刀片 /Fixed and moving shearing blades.....	881
(38) 电动剪羊机组 /Electric shearing machine.....	882

1.3 中国一拖集团有限公司 YTO Group Corporation

(1) 轮式拖拉机（中马力） / Wheeled tractor (Middle Power)	887
(2) 轮式拖拉机（大马力） /Wheeled tractor (Big Power).....	905
(3) 履带式拖拉机 / Kind of Product: crawler tractor	924
(4) 收获机械 / Harvester.....	933
(5) 机具产品 /Machinery products.....	943
(6) 动力机械 /Engine	956

1.4 中国恒天集团有限公司 China Hi-Tech Group Corporation

(1) 收获机 /Harvester	1158
(2) 微型耕作机 /Micro Tilling Manager.....	1174

2 工程机械 Construction Machinery

2.1 中国国机重工集团有限公司 China SINOMACH Heavy Industry Corporation

(1) 挖掘机 /Excavator.....	242
(2) 装载机 /Loader	250
(3) 压路机 /Roller	263

目录 CONTENTS

(4) 平地机 /Motor grader	276
(5) 推土机 /Bulldozer.....	290
(6) 摊铺机 /Paver	305
(7) 挖掘装载机 /Backhoe loader.....	314
(8) 汽车起重机 /Truck Crane	317
(9) 旋挖钻机 /Rotary Drilling Rig	327
(10) 垃圾压实机 /Landfill Compactor.....	329
(11) 垃圾转运车 /Garbage Truck	333
(12) 剥进机 /Roadheader.....	335

2.2 中国农业机械化科学研究院 China Academy of Agriculture Mechanization Sciences

(1) 伸缩臂叉车 / Telescopic handler	728
(2) 沥青混凝土摊铺机 /6.1 Asphalt Paver	745

2.3 中国恒天集团有限公司 China Hi-Tech Group Corporation

(1) 液压挖掘机 /Hydraulic Excavator	1195
(2) 旋挖钻机 /Rotary Drilling Rig	1196
(3) 液压静力压桩机 /Hydraulic Static Pile Driver	1197
(4) 全液压多功能桩架 /Full Hydraulic Multifunction Pile Frame	1198
(5) 钻机 /Drilling Machine	1199
(6) 挖树机 /Tree Digger.....	1203

3 车辆产品 Vehicle Product

3.1 中国福马机械集团有限公司 CHINA FOMA (GROUP) CO.,LTD.

(1) 特种车辆 T-BOSS550/750 / Special vehicle T-BOSS550/750	101
(2) 电动特种车辆 EV-BOSS/ Electric special vehicle EV-BOSS.....	102
(3) 特种车辆 M550/750 / Special vehicle M550/750	103
(4) 电动特种车辆 LH40DA / EV-BOSS LH40DA.....	104
(5) 特种车辆 LH1630 / Special vehicle LH1630	105
(6) 摩托车 (LH125T-20、LH175T) / Motorbike (LH125T-20、LH175T).....	106
(7) 消防四轮摩托车 (XMC4PW/60-LH300ATV)/Fire fighting four-wheel motorcycle (XMC4PW/60-LH300ATV)	114
(8) 消防四轮摩托车 (LH800UTV) /Fire fighting four-wheel motorcycle (LH800UTV)	116

CONTENTS 目录

3.2 中国汽车工业工程有限公司

China Automobile Industry Engineering Corporation (AE)

(1) 焊装业务 /Welding	448
(2) 装配业务 /Assembling.....	454
(3) 涂装业务 /Painting	478
(4) 铸造业务 /Casting.....	488
(5) 自动化设备 /Automation equipment.....	506

3.3 中国农业机械化科学研究院

China Academy of Agriculture Mechanization Sciences

飞机牵引车 /Aircraft Tractor	716
-------------------------------	-----

3.4 中国恒天集团有限公司

China Hi-Tech Group Corporation

(1) 新能源公交车 /New-Energy Bus	1134
(2) 整车控制器 /Vehicle Control Unit (VCU)	1139
(3) 远程监控终端 /Remote Monitoring Terminal (RMT)	1140
(4) 电池控制单元 /Battery Control Unit (BCU)	1140
(5) 电池电子部件 / Battery Electronics (BE)	1140
(6) 电池包 /Battery Pack (Pack).....	1141
(7) 电动汽车远程服务与管理系统企业平台 Enterprise Platform of Remote Service and Management System for Electric Vehicles	1141
(8) 电机控制器 /Motor Control Unit (MCU).....	1142
(9) 专用车地盘 /Chassis	1144
(10) 牵引车 /Tractor	1148
(11) 纯电动车系列 /Pure electric vehicle series.....	1150
(12) 单缸系列发动机 /Single cylinder series engine	1155
(13) 多缸系列发动机 /Multi-cylinder series engine	1156
(14) 厢式运输车 /VAN BOX TRUCK.....	1160
(15) 载货汽车 /Light Duty Truck.....	1160 & P1162
(16) 自卸车 /Dump Truck	1161
(17) 纯电动厢式运输车 /ELECTRONIC VAN BOX TRUCK	1161
(18) 森林消防车 /FOREST FIRE TRUCK.....	1162
(19) 平板运输车 /FALTBED TRUCK.....	1163
(20) 仓栅式运输车 /STORAGE TRUCK.....	1163
(21) 随车起重运输车 /CRANE TRUCK.....	1164
(22) 停车设备 /Parking Equipment.....	1171
(23) 城建工程、环卫车辆等 /City Engineering& Sanitation Vehicle	1181

目录 CONTENTS

4 采矿设备 Mine Exploring Machine

4.1 中国地质装备集团有限公司 China Geological Equipment Group Co., Ltd

(1) 钻采设备 /Drilling and Exploring Machine.....	119
(2) 钻采工具 /Drilling TOOLS	170
(3) 物探仪器 /Geophysical Instrument	185
(4) 分析仪器 /Analytical Instruments	234
(5) 环保设备 /Environmental Protection Equipment.....	240

4.2 中国恒天集团有限公司 China Hi-Tech Group Corporation

(1) 牙轮钻机 /Rotary drill	1166
(2) 地下铲运机 /Underground Load-haul-dump (LHD)	1167
(3) 地下运矿车 /Underground ore car.....	1169
(4) 地下辅助设备 /Underground auxiliary equipment	1170

5 核电设备 Nuclear Power Equipment

5.1 二重（德阳）重型装备有限公司 Erzhong (Deyang) Heavy Equipment Co.,Ltd

(1) CAP1400 堆芯补水箱 /CAP1400 Core Makeup Tank.....	424
(2) 稳压器 /Regulator.....	425
(3) 泵壳 /Pump Shell.....	426
(4) AP1000RPV 重型支撑 /AP1000RPV Heavy Support.....	428
(5) AP1000 SG 核电管板 /AP1000 SG nuclear power tube plate.....	429
(6) AP1000 CMT 封头锻件 /Forgings for AP1000 CMT Seal Head	430
(7) AP1000PRZ 上封头 /AP1000PRZ Upper Seal Head	431
(8) AP1000SG 锥形筒节 /Cone Shape AP1000SG Shell Ring.....	432
(9) CPR1000RPV 过渡段 /CPR1000RPV Transition Section	433
(10) CPR1000SG 一次侧封头 /CPR1000SG Water Chamber Seal Head	434
(11) 主管道 /Main pipeline.....	435

5.2 中国恒天集团有限公司 China Hi-Tech Group

空气净化系统的过滤装置箱体 /Filter unit of air purification system.....	1188
--	------

CONTENTS 目录

6 新能源设备 New Energy Equipment

6.1 中国农业机械化科学研究院 China Academy of Agriculture Mechanization Sciences	
新能源设备 / New Energy	710
6.2 中国电器科学研究院股份有限公司 China National Electric Apparatus Research Institute Co., Ltd.	
新能源电池自动检测系统 /New energy battery inspection system	1240

7 工业制造设备 & 材料 Industry Manufacturing Equipment & Material

7.1 二重（德阳）重型装备有限公司 Erzhong (Deyang) Heavy Equipment Co.,Ltd	
(1) 冶金设备 /Metallurgical equipment	343
(2) 锻压设备 /Forging press equipment	363
(3) 其他通用设备（起重设备、矿山设备、水泥设备、水利机械等） / general equipment——Hoisting equipment, construction machinery and equipment, mining equipment, cement equipment,water conservancy machinery, etc.	372
(4) 传动产品 /Driving Products.....	381
(5) 石化装备 /Petrochemical Equipment	438
7.2 机械工业第六设计研究院有限公司 No.6 Institute of Project Planning & Research of Machinery Industry	
(1) 工业窑炉和无机非金属材料行业成套装备 / Industry Furnace and Kin, Lnorganic Non-metallic Materials Industry Equipment.....	511
(2) 半龙门移动喷漆室 /Semi-gantry mobile paint spray booth	518
(3) 工业炉余热回收利用系统 /Industrial furnace waste heat recovery system	521
(4) 整体移动喷漆室 /Overall mobile paint spray booth	525
7.3 沈阳仪表科学研究院有限公司 Shenyang Academy of Instrumentation Science Co.,Ltd	
(1) VCF 系列真空自耗电极电弧炉 /VCF-Series vacuum consumable electrode arc furnace.....	549
(2) VSC 系列真空自耗电极电弧凝壳熔铸炉 / VSC-Series vacuum consumable electrode arc melting/casting.....	550
7.4 中国农业机械化科学研究院 China Academy of Agriculture Mechanization Sciences	
(1) 热喷涂设备 / Thermal Spraying Equipment	722
(2) 工业炉及特种装备 / Industrial heat treatment.....	738

目录 CONTENTS

7.5 中国电器科学研究院股份有限公司

China National Electric Apparatus Research Institute Co., Ltd.

- | | |
|---|------|
| (1) 家电智能工厂 /Home appliances Intelligent factory | 1130 |
| (2) 环保涂料及树脂 /Environment friendly coatings and resins | 1242 |

7.6 国机智能科技有限公司

Sinomach Intelligence Technology Co., Ltd

- | | |
|---|------|
| (1) 装修涂胶复合生产线 /r Assembly Decoration and Glue Coating Line | 1301 |
| (2) 汽车产品智能生产线 /Intelligence Automobile product line..... | 1302 |
| (3) 微波炉自动生产线 /Microwave oven Line..... | 1306 |
| (4) 智能工厂制造运行系统 /Manufacturing Operation System in Intelligent Factory | 1307 |
| (5) 机油 /Engine Oil | 1320 |
| (6) 切削液 /Cutting Fluid | 1321 |
| (7) 密封胶 /Sealant | 1323 |

7.7 桂林电器科学研究院有限公司

Guilin Electrical Equipment Scientific Research Institute Co., Ltd

- | | |
|---|------|
| (1) 塑料加工专用设备 /Plastics Processing Equipments | 1416 |
| (2) 塑料制品、半成品及辅料 /Biaxially Oriented Polyester (BOPET) Production line | 1421 |
| (3) 特种薄膜 /Special Film..... | 1433 |
| (4) 绝缘材料及制件 /Insulating Material and parts..... | 1457 |

7.8 中国福马机械集团有限公司

CHINA FOMA (GROUP) CO.,LTD.

- | | |
|--|----|
| (1) 4 英尺、6 英尺、8 英尺、9 英尺宽幅连续平压热压机 /4', 6', 8', 9' width continuous press..... | 81 |
| (2) 砂光机 /Sanding Machine..... | 83 |
| (3) 砂光锯切生产线 /Sanding and CTS Line..... | 84 |
| (4) 日产 110 ~ 500m ³ 刨花板生产线 /110~500m3/d Particleboard Production Line | 85 |
| (5) 日产 150 ~ 500m ³ 中 / 高密度纤维板生产线 /150~500m3/d MDF Production Line | 86 |
| (6) 气流铺装机 /Airflow Mat-former | 87 |
| (7) 通道式干燥机 /Passage dryer | 89 |
| (8) 矩形筛 /Oscillating screen | 90 |
| (9) 盘式削片机 /Disk chipper | 91 |
| (10) 鼓式削片机 /Drum chipper | 93 |
| (11) 滚筒式剥皮机 /Drum De-barker | 95 |
| (12) 环式刨片机 /Knife ring flaker | 96 |
| (13) 环式长材刨片机 /Knife ring long log flaker | 97 |
| (14) 筛环式打磨机 /Double-stream Mil | 98 |

CONTENTS 目录

(15) 热磨机 /Pressurized Refiner 99

7.9 洛阳轴研科技股份有限公司 Luoyang Bearing Science & Technology Co., Ltd.

(1) 特种材料制品 /Special Material Products.....	562
(2) 轴承防锈润滑油 /Anti-rust and Lubricant Oil Proudcts	563
(3) 超硬材料制品 /Superhard material products	564
(4) 研磨、抛光制品 /Grinding and polishing products	571
(5) 金刚石烧结修整滚轮 /Sintered diamond dressing rollers.....	573
(6) L 系列回转试验机 /L series rotation test machine	574
(7) 磨具生产设备 /Abrasive Production equipment	576
(8) 超硬材料生产设 /Superhard materials production equipment	577
(9) 磨轧辊砂轮 /Roll Grinding Wheels	582
(10) 齿轮磨砂轮 /Gear Grinding Wheels	582
(11) 磨螺纹砂轮 /Thread Grinding Wheels	583
(12) 磨曲轴砂轮 /Crankshaft Grinding Wheels	583
(13) 碟形砂轮 /Dish Grinding Wheels	584
(14) 珩磨油石 /Honing Sticks	585
(15) 石油专用管螺纹车刀 /Thread Turning Tools for Oil Pipe.....	585
(16) 可转位螺纹车刀 /Indexable Thread Turning Cutting Tool	586
(17) 浅槽 (成型槽) 加工专用数控刀具 /Groove Machining Cutting Tool Profile CNC cutting tool	587
(18) 汽车皮带轮楔槽加工专用刀具 /Pulley Groove Cutting Tools for Automobiles Application	588
(19) 深孔加工刀具 (深孔钻) /Deep Hole Machining Tool (Deep Hole Drill)	589
(20) 金属陶瓷轴承成型刀具 /Cermet Bearing Profile Cutting Tool.....	590
(21) 第二代 QPQ 复合处理技术与装备 Second Generation of QPQ Complex Salt Bath Treatment Technology and Equipment.....	591
(22) 超硬刀具 /Super-hard Cutting Tools	592
(23) 金刚石木工刀具 /PCD Woodworking Tool	593
(24) 精密复杂硬质合金成型刀具 /Precised Complex Carbide Profile Cutting Tools	594
(25) 焊管加工刀具 / Cutting Tools for Welded Pipe	594
(26) 高温合金加工刀具 /The High-temperature Alloy Machining Tool	595
(27) 汽车零件加工刀具 /Automotive Parts Machining Tool	595
(28) 无心车系列刀具 /Bars Peeling processing Tool.....	596
(29) 毛刷系列产品 /Brushes Series Product.....	596
(30) MJS 系列激光干涉仪 /MJS Calibration Laser Interferometer Series.....	597
(31) 主动量仪产品 / In Process Gauge.....	598

目录 CONTENTS

8 智能产品 & 精密仪器 & 测试设备

Intelligence Product & Precision Instrument & Testing Equipment

8.1 沈阳仪表科学研究院有限公司

Shenyang Academy of Instrumentation Science Co.,Ltd

(1) 自动砂轮划片机 /Automatic grinding wheel dicing saw	534
(2) GS 系列高压水清洗机及清洗系统 GS series of high-pressure water cleaning machines, power plant air cooling, cleaning and sprinkler system	545
(3) 生化分析滤光片 /Biochemical Analytical Filter	563
(4) 圆形渐变密度滤光片 /Circular Variable ND Filters	538
(5) 数字放映机用反光镜 /Reflector for Digital Cinema	539
(6) 鱼眼投影镜头 /Fish-eye projection lens	539
(7) 智能压力 / 差压 / 绝压变送器 Smart Pressure / Differential Pressure / Absolute Pressure Transmitter.....	540
(8) HB9500 系列压力变送器 /HB9500 series pressure transmitter	541
(9) HB26S 系列压力变送器 /HB26S series pressure transmitter.....	542
(10) UHB/UQK 系列浮球式液位变送器 / 控制器 /UHB / UQK Series Float Level Transmitter / Controller..	543
(11) UHZ 系列磁翻柱式液位变送器 /UHZ Series Magnetic column level transmitter	544
(12) WBJ 系列一体化温度变送器 /WBJ series integrated temperature transmitters	545
(13) HB871 投入式液位变送器 /HB871 cast-in liquid transmitter.....	546
(14) HB2119 压力传感器 /HB2119 pressure sensor.....	547

8.2 中国农业机械化科学研究院

China Academy of Agriculture Mechanization Sciences

(1) 动态试验机 / Dynamic testing machine.....	748
(2) 静态试验机 /Static testing machine.....	773
(3) 矫直机 /Straightening Machine.....	839

8.3 国机智能科技有限公司

Sinomach Intelligence Technology Co., Ltd

(1) 机器人 /Robot.....	1254 & P1309
(2) 扫描式 3D 相机 /Scanning 3D camera.....	1273
(3) 高速电火花小孔加工机床 /Micro hole Drilling Machine	1277
(4) 电火花加工喷孔设备 /EDM Nozzle Equipment	1285
(5) 电火花成形机 /EDM Machine	1286
(6) 数控磨床 /CNC Grinding Machine	1294

CONTENTS 目录

(7) 电化学去毛刺机 /Electrochemical Deburring Machine	1300
(8) 智能检测和控制 /Intelligence Testing & Control	1311

8.4 合肥通用机械研究院有限公司 Hefei General Machinery Research Institute

通用机械试验设备 /General Mechanical Test Equipment.....	1381
--	------

8.5 洛阳轴研科技股份有限公司 Luoyang Bearing Science & Technology Co., Ltd.

(1) 轴承试验机 /Bearing Testing Machine	559
(2) 轴承检测仪器 /Inspection Instruments for Bearing.....	560
(3) 精密机床 /Precision Machine tool.....	561

8.6 哈尔滨电站设备成套设计研究所有限公司 CHINA HARBIN POWER SYSTEM ENGINEERING & RESEARCH INSTITUTE CO.,LTD.

(1) 全厂辅助车间控制系统 (电厂辅控网)/ Auxiliary workshop-BOP control system (Power plant auxiliary control network).....	34
(2) 水处理 PLC 程控系统 /Water treatment PLC control system	37
(3) 输煤 PLC 程控系统 /Coal handling PLC control system	40
(4) 脱硫 PLC 控制系统 /Desulfurization PLC control system	44
(5) 除灰、除渣 PLC 控制系统 /Ash and slag handling PLC control system.....	46
(6) 分散控制系统 DCS/Distributed control system DCS	49
(7) 工业电视系统 /Industrial Television Monitoring System	53
(8) 管理信息系统 /Management Information System (MIS).....	56
(9) 远程监控系统 /Remote Monitoring System.....	58
(10) 设备故障诊断预警系统 /Equipment fault diagnosis and predictive alarm system.....	60
(11) CFB 锅炉低氮燃烧与 SNCR/SCR 脱硝技术与装备 CFB Boiler Low Nitrogen Combustion and SNCR/SCR Denitration Technology and Equipment.....	61
(12) 煤粉锅炉低氮燃烧和 SCR 脱硝技术与装备 Technology and Equipment for Low Nitrogen Combustion and SCR Denitrification of Pulverized Coal Boilers....	64
(13) CFB 锅炉程控喷钙与回料活化脱硫技术与装备 Technology and Equipment of CFB Boiler Program Controlled Limestone Injection and Feedback Activated Desulfurization.....	66
(14) 石灰石—石膏湿法脱硫技术与装备 Technology and Equipment for Wet Desulfurization of Limestone and Gypsum	69
(15) 燃煤锅炉多污染物联合脱除技术与装备 Technology and Equipment of Mult-pollutant Removal for Coal-fired Boiler	71

目录 CONTENTS

9 纺织设备和产品 Textile Equipment & Products

9.1 中国恒天集团有限公司 China Hi-Tech Group Corporation

(1) 棉纺成套设备 / COMPLETE SET OF SPINNING EQUIPMENT	972
(2) 棉纺数字化车间 /Digital spinning workshop	973
(3) 环锭细纱机 /Ring spinning frame.....	976
(4) 精梳机 / Comber.....	983
(5) 条并卷机 /Sliver lap machine.....	985
(6) 转杯纺纱机 /Open end spinning machine.....	986
(7) 假捻变形机 /False twist texturing machine	987
(8) 剑杆织机 /Rapier Loom.....	988 & 997
(9) 罗拉 /Roller.....	989
(10) 锥子 / Spindle	990
(11) 钢领 /Ring	991
(12) 上罗拉轴承 /Top roller bearing	992
(13) 涤纶短纤成套设备 /Complete set of Polyester	994
(14) 粘胶短纤成套设备 / Complete set of Viscose Equipment.....	995
(15) 合成纤维长丝成套设备 /Complete set of filament machine	996
(16) 浆纱机 /Sizing Machine	998
(17) 水刺生产线 /Spun-laced Production line.....	999
(18) 自动络筒机 /AUTO-WINDER	1001
(19) 开清梳联合机 /Combined Opening/Blowing/Carding machine.....	1007 & 1045
(20) 匀整并条机 /DRAWFRAME	1031
(21) 整经机 /WARPING MACHINE	1035
(22) 粗纱机 /Fly frame	1037
(23) 传送系统 /Conveying system	1041
(25) 混纺 / 色纺高精度称量机组 /Blended/colored Spinning High -precision Weighing Unit	1051
(26) 高速经编机 /WAPP KNITTING MACHINE	1054
(27) 地毯丝加捻机 /Carpet twister	1063
(28) 玻璃纤维加捻机 /Glass fiber twister	1066
(29) 工业丝倍捻机 /Two-for-one twister	1071
(30) 直捻机 /Direct Cabling corder	1075
(31) 织机 /Loom	1082
(32) 摩擦式假捻器 /FRICTION TWISTERS	1086

CONTENTS 目录

(33) 包覆锭子 /COVERING SPINDLES	1087
(34) 花式捻线锭子 /FANCY YARN TWISTING SPINDLES	1088
(35) 纺锭轴承 /SPINDLE BEARINGS	1089
(36) 印花机 /PRINTING MACHINE.....	1091
(37) 高温染色设备 /High temperature dyeing machine	1104
(38) 水洗机 /Washing compartment.....	1110
(39) 拉幅定型机 /Stenter Frames Range	1113
(40) 松式平网烘干机 /Shrinkage & Relaxation Dryer.....	1115
(41) 摆架类产品 /Weighting Arms.....	1123
(42) 上销类产品 /Top apron cradles	1130
(43) 纺丝箱 /Spinning box.....	1186
(44) 粘胶滤机 /Viscose filter.....	1187
(45) 清梳辅机 /Carding auxiliary machine.....	1189
(46) 织物 /Fabric Product.....	1212

10 机电、电子产品 Electromechanical & Electronic Products

10.1 天津电气传动设计研究所有限公司 Tianjin Research Institute of Electric Science Co., Ltd.

(1) 水轮机调速器 /HTURBINE GOVERNOR	19
(2) 水轮机调压阀 /Turbine Pressure Relief Valve	24
(3) 油压装置 /Pressure Oil Unit.....	27
(4) 水电站自动化元件 /AUTOMATION ELEMENT FOR HYDROPOWER STATION	28
(5) 中小水电站设备成套 COMPLETE SUPPLY FOR MEDIUM & SMALL SIZED HYDROPOWER EQUIPMENT	30
(6) TMV1 中压大功率变频器 /High power three-level medium voltage converter	11
(7) 通用变频（逆变）器 /General-purpose Converter	12
(8) 变流装置 /Converter Device	13
(9) 大功率光伏并网逆变器 /High-power Photovoltaic Inverter	14
(10) 储能变流器 (PCS) /Power Control System (PCS)	16

10.2 中国电器科学研究院股份有限公司 China National Electric Apparatus Research Institute Co., Ltd.

(1) 励磁产品 /Excitation products.....	1238
(2) 大功率电解整流装置 /High power electrolytic rectifier	1241
(3) 移动电站 /UPS mobile	1248

目录 CONTENTS

10.3 合肥通用机械研究院有限公司

Hefei General Machinery Research Institute

(1) 压力容器 /Pressure Vessel	1326
(2) 压缩机 /Compressor	1343
(3) 风机 /Fan Products.....	1346
(4) 泵 /Pump	1350
(5) 阀门 /Valve	1354
(6) 过滤分离机械 /Filtration and separation equipment	1358
(7) 高压水射流产品 /High pressure water jet products	1362
(8) 密封产品 /Seal Products.....	1369

10.4 中国一拖集团有限公司

YTO Group Corporation

柴油机发电机组 /Diesel generator set.....	677
------------------------------------	-----

10.5 沈阳仪表科学研究院有限公司

Shenyang Academy of Instrumentation Science Co.,Ltd

硅压阻芯片 /Silicon piezoresistive die	531
---	-----

10.6 中国农业机械化科学研究院

China Academy of Agriculture Mechanization Sciences

(1) 污水处理装置 / Sewage Treatment Equipment	731
(2) 高低压配电柜系列 /High and low voltage distribution cabinet	871

10.7 中国恒天集团有限公司

China Hi-Tech Group Corporation

(1) 柴油发动机 /Diesel Engine.....	1173
(2) 柴油发电机 /Diesel Generator.....	1173

10.8 桂林电器科学研究院有限公司

Guilin Electrical Equipment Scientific Research Institute Co., Ltd

(1) 触头材料 /Voltage Contacts.....	1407
(2) 特种电机 /Special Motor	1437

10.9 中国福马机械集团有限公司

CHINA FOMA (GROUP) CO.,LTD.

(1) 智能高压串联森林消防泵 (SFBC10/2-A) Intelligent high pressure series forest fire pump (SFBC10/2-A)	108
(2) 远程高压森林消防泵 (SFBA30/1.0-C) /Remote high pressure forest fire pump (SFBA30/1.0-C)	110

CONTENTS 目录

(3) 森林消防泵 (4BJL-12/3.5) /Forest fire pump (4BJL-12/3.5).....	112
(4) 新型手持式风力灭火机 (6MF-22-50C) /New hand-held pneumatic extinguisher (6MF-22-50C)	117

11 金属加工件 Metal Products

11.1 中设集团装备制造有限责任公司 China Machinery Industrial Products Co., Ltd.

(1) 高速列车制动盘 /Brake discs for high speed train.....	2
(2) 高铁用摩擦盘和碳刷架 /Friction disc and carbon brush carrier for high speed train.....	3
(3) 四轮一带 /Undercarriages.....	4
(4) 铜套 /Bronze bushings	5
(5) 高温合金 /High temperature alloy	6
(6) 耐蚀合金 /Corrosion Resistant Alloy	7
(7) 气阀钢 /Air valve steel	8
(8) 特种合金丝材 /High Performance alloy material	9

11.2 二重（德阳）重型装备有限公司 Erzhong (Deyang) Heavy Equipment Co.,Ltd

(1) 电站锻件 /Heavy castings and forgings——forgings for electricity generating station.....	394
(2) 电站铸件 /Heavy castings and forgings——castings for electricity generating station	400
(3) 船用铸锻件 /Marine castings and forgings.....	412
(4) 各类机械设备大型铸锻件 Heavy Castings & Forgings for Different Kinds of Mechanical Equipments	416

11.3 沈阳仪表科学研究院有限公司 Shenyang Academy of Instrumentation Science Co.,Ltd

(1) GIS/GIL 伸缩节 / GIS/GIL.....	529
(2) 精密金属波纹管 /Precision metal bellows	530
(3) 换热器 /Heat exchanger	531

11.4 洛阳轴研科技股份有限公司 Luoyang Bearing Science & Technology Co., Ltd.

(1) 轴承 /Bearings.....	552
(2) 电主轴 /High-frequency Spindle	558

中国一拖集团有限公司

YTO Group Corporation

公司名称：中国一拖集团有限公司
Company Name: YTO Group Corporation

<http://www.yituo.com.cn>

中国一拖集团有限公司（简称“中国一拖”）坐落于中国历史文化名城、十三朝古都——洛阳。前身为第一拖拉机制造厂，目前是中国机械工业集团有限公司的控股子公司。中国一拖始建于1955年，是我国“一五”时期156个重点建设项目之一，新中国第一台拖拉机、第一辆军用越野载重汽车在这里诞生。经过60余年发展，中国一拖已经成为以农业装备为核心，并创新发展特种车辆、制造服务业务的大型装备制造企业，拥有拖拉机、收获机械、机具，以及柴油机、传动系、驾驶室等核心零部件构成的完整的农业装备产业链体系。

作为中国农机工业重点骨干企业，自创建以来，中国一拖始终坚持服务“三农”。“东方红”是首批“中国驰名商标”，在中国广大农民用户中享有盛誉，大中型拖拉机保持技术领先和市场领先，柴油机在非道路机械领域具有明显配套优势；“YTO”是中国一拖在海外市场的注册商标，产品已出口到全球100多个国家。

第一拖拉机股份有限公司是中国一拖集团有限公司最大的控股子公司，分别在上海证交所和香港联交所上市，是中国唯一拥有“A+H”上市平台的农机企业。

面对未来，中国一拖不忘初心、牢记使命，正不断加快提质增效、转型升级步伐，着力打造先进农业装备制造基地，建设智能农机与智慧农业技术创新平台、农业装备成套集成与产业资源开放合作平台、农业与农村工程综合服务平台，致力于为用户提供最有价值的农业装备成套解决方案，成为卓越的全球农业装备制造服务商。

YTO Group Corporation is located in Luoyang, a famous historical and cultural city of China and an ancient capital of thirteen dynasties. Its predecessor is the First Tractor Manufactory and now it is a holding subsidiary of China National Machinery Industry Corporation(SINOMACH). Founded in 1955, the company was one of China's 156 key construction projects during the "First Five-Year Plan" period. The first tractor and the first military off-road truck were born here. After more than 60 years of development, YTO Group Corporation has become a large-scale agricultural equipment manufacturer with agricultural equipment as its core business and innovative development of special vehicles and manufacturing services. It has a complete industrial chain system of agricultural equipment consisting of tractors, harvesting machinery, implement, diesel engines, transmission systems, cabs and other core components.

As one of the backbone enterprises of China's agricultural machinery industry, YTO Group Corporation has always insisted on serving "agriculture, countryside and farmers" since its establishment. "Dongfanghong" is one of the first batch of "China's well-known trademarks" and enjoys a high reputation among the vast number of farmers in China. The company's large and medium-sized tractors keep ahead of technology & market and diesel engines have a strong adaptability and are widely used in various non-road mobile machinery; "YTO" is the registered trademark of YTO Group Corporation in overseas markets and YTO products have been exported to more than 100 countries and regions all over the world.

First Tractor Company Limited is the largest holding subsidiary of YTO Group Corporation .It is listed on Shanghai Stock Exchange and Hong Kong Stock Exchange respectively and it is the only agricultural machinery enterprise in China with "A+H" listing platform.

Facing the future, YTO Group Corporation will remain true to its original aspiration and keep its mission firmly in mind. It is constantly speeding up the steps of improving quality and efficiency, transforming and upgrading. The company strives to build an advanced agricultural equipment manufacturing base and construct an intelligent agricultural machinery and agricultural technology innovation platform, a complete sets of agricultural equipment integration and industrial resources opening and cooperation platform, and a comprehensive agricultural and rural engineering service platform. YTO Group Corporation is committed to providing users with the most valuable complete sets of agricultural equipment solutions and becoming an outstanding global agricultural equipment manufacturing service provider.

出口业绩

一拖公司近三年共出口大中小轮拖合计约 7000 余台，销售额近 2 亿美元，出口国家涵盖乌克兰、塞尔维亚、俄罗斯、格鲁吉亚、吉尔吉斯斯坦、哈萨克斯坦、缅甸、菲律宾、马来西亚、泰国、古巴、澳大利亚等。

Export performance

YTO has exported about 7,000 units of high, middle and low HP wheeled tractors in recent three years to countries all of the world, including Ukraine, Serbia, Russia, Georgia, Kyrgyzstan, Kazakhstan, Myanmar, Philippines, Malaysia, Thailand, Cuba, Australia. Total sales volume nearly reaches to 200,000,000 USD.

联系人及联系方式

Contact Person and Information

联系人：申璐

Contact person:Miss. shenlu

单 位：一拖国际经济贸易有限公司

Company: YTO International, Ltd.

地 址：河南省洛阳市涧西区建设路 154 号

ADD: 154 Jianshe Road,Luoyang, Henan, China.

电 话：+86-0379-62799052

Tel: +86 -0379-62799052

传 真：+86-0379-62799099

Fax: +86-0379-62799099

邮 编：471004

Post code: 471004

1 轮式拖拉机（中马力） 1 wheeled tractor

1.1 YTO-ESK354/ESK404 1.1 YTO-ESK354/ESK404



产品简介

YTO-ESK354/ESK404 系列轮式拖拉机是一组一般用途的经济型拖拉机，它适用于平原、山区、丘陵、果园、草原和牧场的使用。

加强变速箱 8F+2R 挡，结构简单，性能可靠；
液压转向，操作轻便灵活；
后轮无级可调，满足不同地域作业农艺需求；
变速杆侧置操纵，操纵轻便舒适；
可选装双油缸强压提升器，提升力增加 30% 以上，提升农具时更为轻松。

Introduction of products

YTO-ESK354/ESK404 series wheeled tractors are a group of economic tractors for general purpose. They are found in applications such as plains, mountains and hills, orchards, grasslands and pastures.

8F+2R shifting mode that is simple in structure and reliable in performance;
Hydraulic steering that is easy to operate;
Infinitely variable rear wheels for agronomic requirements of different regions;
Side-mounted gear lever that is easy to operate;
Optional double-cylinder pressurized lifter, which will increase the lifting force by more than 30%, making it easier to lift implements.

性能参数
Performance specification

型号 Model		YTO-ESK354	YTO-ESK404
外形尺寸 (长 * 宽 * 高) (mm) Overall Dimension(L*W*H)(mm)		3540*1520*2290	3540*1520*2290
最小使用质量 (防翻架) (Kg) Min. Operating Mass(with ROPS) (Kg)		1524	1524
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		76/78	76/78
发动机 Engine	型号 Model	YND485T	YND490T
	型式 Type	直列、立式、水冷、四冲程、自然吸气 In-line, vertical, water-cooled, 4-stroke, naturally aspirated	
	排量 Displacement(L)	2.156	2.417
	标定功率 Rated Power (kw)	25.7	29.4
	额定转速 Rated Speed (rpm)	2200	2400
变速箱 Transmission	档位 Gears(F/R)	8F/2R	8F/2R
	前进速度 (km/h) Forward speed (km/h)	1.74-25.8	1.89-28.1
	倒退速度 (km/h) Reverse speed (km/h)	2.28-10.6	2.49-11.5
轮胎规格 Tire	前轮 Front	6.50-16	6.50-16
	后轮 Rear	11.2-24	11.2-24
轮距 Tread	前轮 (不可调) (mm) Front wheels(Non-adjustable) (mm)	1220	1220
	后轮 (可调) (mm) Rear wheels(Adjustable) (mm)	1200-1300	1200-1300
最小离地间隙 (mm) Min. Ground Clearance(mm)		350	350
最小转向半径 (m) Min. turning radius(m)		3.8	3.8
PTO	型式 Type	后置、半独立 Rear-mounted, semi-independent	
	转速 Rotation rate(rpm)	540/1000 或 540/720	540/1000 或 540/720
	功率 Power(kw)	21.9	26.3
耕深控制方式 Tilling depth control method		位调节 position control	
提升力 Lifting Force	610mm 处 At 610mm (KN)	≥5.8	≥6.6
	铰接点 Hinge point (KN)	≥7.5	≥8.6

1.2 YTO-EME404/EME454/EME504/EME554

1.2 YTO-EME404/EME454/EME504/EME554

**产品简介**

YTO-EME404/EME454/EME504/EME554 系列轮式拖拉机是一款紧凑型中马力拖拉机，轴距短，转弯半径小，适合小地块作业；农田作业的同时，可兼顾果园、庭园使用。

柴油机油耗低，扭矩储备大，动力经济性好；

变速箱 8F+4R 啮合套换档，操纵轻便灵活。可选装爬行档、逆行器，选装高速变速箱时，时速可达 39km/h；

液压转向，操作时轻便灵活；

液压盘式行驶制动，制动平稳可靠，效能高；驻车制动系统，安全可靠；

变速杆侧置操纵，离合与制动采用悬挂操纵，操纵轻便舒适；

轮距可达 0.9m、0.96m、1m、1.1m，满足特殊种植农艺要求；

可选装双油缸强压提升器，提升力增加 30% 以上，提升农具时更为轻松；

防翻架通过 OECD 安全认证；

驾驶室密封性好，驾驶舒适。

Introduction of products

YTO-EME404/EME454/EME504/EME554 series wheeled tractors are medium horsepower vehicles with compact structure, short wheelbase and small turning radius. They are suitable for applications in small plots such as farms, orchards and gardens.

Low fuel consumption, large torque reserve and strong power economy;

8F+4R engagement sleeve shifting that is easy to operate. Optional creeper gear and shuttle shift. When high-speed gearbox is installed, the speed can reach 39 km/h;

Hydraulic steering that is easy to operate;

Hydraulic disc service brake with stable and reliable braking performance and high efficiency; safe and reliable parking brake system;

Side-mounted gear lever, while the clutch and brake are easily operated by suspension;

0.9m, 0.96m, 1m, or 1.1m tread are available to meet special agronomic requirements;

Optional double-cylinder pressurized lifter, which will increase the lifting force by more than 30%, making it easier to lift implements.

OECD ROPS and closed cab for improved driving comfort.

性能参数
Performance specification

型号 Model		YTO-EME404	YTO-EME454	YTO-EME504	YTO-EME554
外形尺寸 (长 * 宽 * 高) (mm) Overall Dimension(L*W*H)(mm)		3595*1485*2275	3660*1485*2275	3675*1515*2275	3675*1515*2275
最小使用质量 (防翻架) (Kg) Operating Mass(with ROPS) (Kg)	Min.	1640	1750	1780	1900
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		80/80	80/100	80/100	80/100
发动机 Engine	型号 Model	YND490T	C490BT	A495BT	A498BT
	型式 Type	直列、立式、水冷、四冲程、自然吸气 In-line, vertical, water-cooled, 4-stroke, naturally aspirated			
	排量 Displacement(L)	2.42	2.67	2.98	3.17
	标定功率 Rated Power (kw)	29.4	33.1	36.8	40.4
	额定转速 Rated Speed (rpm)	2200	2400	2300	2200
变速箱 Transmission	档位 Gears(F/R)	8F/4R	8F/4R	8F/4R	8F/4R
	前进速度 (km/h) Forward speed (km/h)	2.25-29.37	2.34-30.71	2.34-30.71	2.25-29.37
	倒退速度 (km/h) Reverse speed (km/h)	3.32-10.14	3.48-10.61	3.48-10.61	3.32-10.14
轮胎规格 Tire	前轮 Front	7.5-16	7.5-16	7.5-16	7.5-16
	后轮 Rear	11.2-28	11.2-28	11.2-28	11.2-28
轮距 Tread	前轮 (不可调)(mm) Front wheels (Non-adjustable) (mm)	1200	1200	1200	1200
	后轮 (可调)(mm) Rear wheels (Adjustable) (mm)	1200、1300、1400	1200、1300、1400	1200、1300、1400	1200、1300、1400
最小离地间隙 (mm) Min. Ground Clearance(mm)		280	280	294	294
最小转向半径 (m) Min. turning radius(m)		3.4±0.3	3.4±0.3	3.4±0.3	3.4±0.3
PTO	型式 Type	后置、半独立 Rear-mounted, semi-independent			
	转速 Rotation rate(rpm)	540/1000 或 540/720	540/1000 或 540/720	540/1000 或 540/720	540/1000 或 540/720
	功率 Power(kw)	26.5	28.1	31.3	34.3
深耕控制方式 Tilling depth control method		力、位调节 Force, position control			
提升力 Lifting Force	610mm 处 At 610mm (kN)	≥5.8	≥6.62	≥7.45	≥8.3
	铰接点 Hinge point (kN)	≥8.5	≥9.7	≥10.1	≥10.7

1.3 YTO-ESG504G/ESG554G

1.3 YTOz-ESG504G/ESG554G

**产品简介**

YTO-ESG504G/ESG554G 系列轮式拖拉机适合于果园等低矮狭小空间作业，也可兼顾农田作业。

16F+8R 档变速箱，挡位多，适用多种作业变速杆侧置操纵，操纵轻便舒适；

液压转向，操作时轻便灵活；

液压盘式行驶制动，制动平稳可靠，效能高；

后轮无级可调，调整简单，使用方便；

中置安全架，驾乘安全舒适。

Introduction of products

YTO-ESG504G/ESG554G series wheeled tractors are suitable for operating in orchards where have low and narrow terrain, as well as farm operations.

16F+8R gear ranges for multi-applications; Side-mounted gear lever that is easy to operate;

Hydraulic steering that is easy to operate;

Hydraulic disc service brake with stable and reliable braking performance and high efficiency;

Infinitely variable rear wheels that is easy to operate and use; center-mounted ROPS to ensure driving safety and comfort.

性能参数
Performance specification

型号 Model		YTO-ESG504G	YTO-ESG554G
外形尺寸 (长 * 宽 * 高) (mm) Overall Dimension(L*W*H)(mm)		3075*1470*2200	3075*1470*2200
最小使用质量 (防翻架) (Kg) Min. Operating Mass(with ROPS) (Kg)		1550	1550
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		0/50	0/50
发动机 engine	型号 Model	YD4100T	YD4100T
	型式 Type	直列、立式、水冷、四冲程、自然吸气 In-line, vertical, water-cooled, 4-stroke, naturally aspirated	
	排量 Displacement(L)	3.3	3.3
	标定功率 Rated Power (kw)	36.8	40.5
	额定转速 Rated Speed (rpm)	2300	2300
变速箱 Transmission	档位 Gears(F/R)	16F/8R	16F/8R
	前进速度 (km/h) Forward speed (km/h)	0.39-29.4	0.39-29.4
	倒退速度 (km/h) Reverse speed (km/h)	0.46-8.41	0.46-8.41
轮胎规格 Tire	前轮 Front	6.00-12	6.00-12
	后轮 Rear	13.2-16	13.2-16
轮距 Tread	前轮 (不可调)(mm) Front wheels (Non-adjustable) (mm)	1030	1030
	后轮 (可调)(mm) Rear wheels (Adjustable) (mm)	1000-1200	1000-1200
最小离地间隙 (mm) Min. Ground Clearance(mm)		220	220
最小转向半径 (m) Min. turning radius(m)		3.0±0.3	3.0±0.3
PTO	型式 Type	后置、半独立 Rear-mounted, semi-independent	
	转速 Rotation rate(rpm)	540/720	540/720
	功率 Power(kw)	31.3	34.4
耕深控制方式 Tilling depth control method		位调节、浮动调节 position control, floating control	
提升力 Lifting Force	610mm 处 At 610mm (KN)	≥9.1	≥9.1
	铰接点 Hinge point (KN)	≥11.9	≥11.9

1.4 YTO-MF404/MF504

1.4 YTO-MF404/MF504

**产品简介**

YTO-MF404/MF504 系列拖拉机，配有 OECD 防翻架，通过 e-mark 认证；柴油机扭矩储备大，油耗低，欧 III A (EPA IV) 排放标准；液压转向，双作用离合器，盘式制动器，制动器性能好，设有驻车手柄，操作方便；双组液压输出；摆式牵引。可选装遮阳棚，同步器换档，子午线轮胎；后轮距可选择无级调整。

Introduction of products

YTO-MF404/MF504 series tractors with OECD anti-rolling frame, certified by e-mark; diesel engine with large torque reserve, low fuel consumption, Euro IIIA (EPAIV) emission standards; hydraulic steering, double-acting clutch; disc brake, brake performance Good, with parking handle, easy to operate; double hydraulic output; tilting traction. Optional sunshade, synchronizer shift, radial tire; rear track can be adjusted steplessly.

性能参数
Performance specification

型号 Model	YTO-MF404	YTO-MF504
拖拉机 Tractor		
形式 Type	4x4	4x4
外形尺寸 (长 x 宽 x 高) (mm) Overall Dimension(L*W*H)(mm)	3835x1785x2420	3835x1815x2440
轴距 (mm) Wheel Base(mm)	1965	1970
最小离地间隙 (mm) Min. Ground Clearance(mm)	270	350
最小使用质量 (带安全架) (Kg) Min. Operating Mass(with ROPS) (Kg)	2195	2280
轮胎规格 前轮 / 后轮 Tyre Size F/R	7.5-16/11.2-28	8.3-20/12.4-28
轮距 (mm) 前 / 后 Wheel Tread(mm) F/R	1250/(1300~1500)	1275(选装 Optional 1200)/(1300~1500)
转向器 Steering	全液压 Full-hydraulic	
制动器 Brake	盘式、机械操作 Disk, mechanical operating	
柴油机 Diesel Engine		
型号 Model	C490BT	A498BT1
型式 Type	四缸、直列、立式、水冷、四冲程 4- cylinder, inline, vertical, water cooled, 4- stroke	
排量 (L) Displacement(L)	2.67	3.168
标定功率及转速 (kw)/(r/min) Rated Power/ Rated Speed (kw)/(r/min)	29.4/2400	36.8/2400
最大扭矩 (N.m)/ 转速 (r/min) Max. Torque (N.m)/speed(r/min)	152/1500-1700	186/1600-1800
缸径及行程 (mm) Bore & Stroke(mm)	90 × 105	98 × 105
变速箱 Gearbox		
变速箱档数 前进 / 倒退 Gears(F/R)	8/8	8/8
速度 (Km/h) 前进 / 倒退 Speed (Km/h) F/R	2.54~27.54/2.18~23.61	2.65~28.80/2.28~24.68
动力输出轴功率 (kw) PTO Power(kw)	25.872	32.384
PTO 转速 (r/min) PTO Speed(r/min)	540/1000	540/1000
离合器 Clutch	10 英寸干式双作用 10 inch dry double action	
工作装置 Working device		
三点悬挂类别 3-point Suspension Category	后置三点悬挂 I 类 Rear three-point suspension class I	
耕深控制方式 Tillage Depth Control Mode	力、位控制 Force and position control	
提升力 (KN) Lifting Force (KN)	6.62	8.28

1.5 YTO-MF404C/MF504C
1.5 YTO-MF404C/MF504C**产品简介**

YTO-MF404C/MF504C 系列拖拉机，配有 OECD 驾驶室，通过 e-mark 认证；柴油机扭矩储备大，油耗低，欧 III A (EPA IV) 排放标准；液压转向，双作用离合器，盘式制动器，制动器性能好，设有驻车手柄，操作方便；双组液压输出；摆式牵引。可选装同步器换档，子午线轮胎；后轮距可选择无级调整。

Introduction of products

YTO-MF404C / MF504C series tractors, the cab with OECD, by e-mark certification; large diesel engine torque reserve, low fuel consumption, European III A (EPA IV) emission standards; hydraulic steering, double-acting clutch; good disc brake, brake performance With parking handle, easy to operate; double hydraulic output; tilting traction. Optional synchronizer shift, radial tire; rear track can be adjusted steplessly.

性能参数
Performance specification

型号 Model	YTO-MF404C	YTO-MF504C
拖拉机 Tractor		
形式 Type	4x4	4x4
外形尺寸 (长 x 宽 x 高) (mm) Overall Dimension(L*W*H)(mm)	38350x1785x2420	3835x1815x2440
轴距 (mm) Wheel Base(mm)	1965	1970
最小离地间隙 (mm) Min. Ground Clearance(mm)	270	350
最小使用质量 (Kg) Min. Operating Mass (Kg)	2342	2408
轮胎规格 前轮 / 后轮 Tyre Size F/R	7.5-16/11.2-28	8.3-20/12.4-28
轮距 (mm) 前 / 后 Wheel Tread(mm) F/R	1250/(1300~1500)	1275 (选装 Optional 1200) /(1300~1500)
转向器 Steering	全液压 Full-hydraulic	
制动器 Brake	盘式、机械操作 Disk, mechanical operating	
柴油机 Diesel Engine		
型号 Model	C490BT	A498BT1
型式 Type	四缸、直列、立式、水冷、四冲程 4-cylinder, inline, vertical, water cooled, 4-stroke	
排量 (L) Displacement(L)	2.67	3.168
标定功率及转速 (kw)/(r/min) Rated Power/ Rated Speed (kw)/(r/min)	29.4/2400	36.8/2400
最大扭矩 (N.m)/ 转速 (r/min) Max. Torque (N.m)/speed(r/min)	152/1500-1700	186/1600-1800
缸径及行程 (mm) Bore & Stroke(mm)	90 × 105	98 × 105
变速箱 Gearbox		
变速箱档数 前进 / 倒退 Gears(F/R)	8/8	8/8
速度 (Km/h) 前进 / 倒退 Speed (Km/h) F/R	2.54~27.54/2.18~23.61	2.65~28.80/2.28~24.68
动力输出轴功率 (kw) PTO Power(kw)	25.872	32.384
PTO 转速 (r/min) PTO Speed(r/min)	540/1000	540/1000
离合器 Clutch	10 英寸干式双作用 10 inch dry double action	
工作装置 Working device		
三点悬挂类别 3-point Suspension Category	后置三点悬挂 I 类 Rear three-point suspension class I	
耕深控制方式 Tillage Depth Control Mode	力、位控制 Force and position control	
提升力 (KN) Lifting Force (KN)	6.62	8.28

1.6 YTO-EMF454/EMF504 /EMF554X

1.6 YTO-EMF454/EMF504 /EMF554X

**产品简介**

YTO-EMF454/EMF504/EMF554X 系列轮式拖拉机是一款经典型中马力拖拉机，变速箱强度储备大，不仅适合农田作业，而且可配套前装载、后挖掘等进行工程作业。

柴油机油耗低，扭矩储备大，动力经济性好；

变速箱啮合套换挡，可选同步器换挡，实现不停车顺畅换挡，工作效率更为高效；

液压转向，操作时轻便灵活；

液压盘式行驶制动，制动平稳可靠，效能高；驻车制动系统，安全可靠；

变速杆侧置操纵，离合与制动采用悬挂操纵，操纵轻便舒适；

防翻架、驾驶室通过 OECD 认证，驾驶安全有保证；

可选装双油缸强压提升器，提升力增加 30% 以上，提升农具时更为轻松；

可选 2 组液压输出，满足多种机组配套作业需求。

Introduction of products

YTO-EMF454/EMF504/EMF554X series heavy duty tractors are designed for farm operations. When attached to loaders and excavators, engineering operations can be realized.

Low fuel consumption, large torque reserve and strong power economy;

Sleeve shifting transmission, Optional synchronizers for non-stop and smooth gear shifting and improved efficiency;

Hydraulic steering that is easy to operate;

Hydraulic disc service brake with stable and reliable braking performance and high efficiency; safe and reliable parking brake system;

Side-mounted gear lever while the clutch and brake are easily operated by suspension;

OECD ROPS and closed cab for improved driving safety;

Optional double-cylinder pressurized lifter, which will increase the lifting force by more than 30%, making it easier to lift implements.

2 sets of hydraulic output is optional to meet the requirements of various implements;

性能参数
Performance specification

型号 Model		YTO-EMF454	YTO-EMF504	YTO-MF554X
外形尺寸 (长 * 宽 * 高) (mm) Overall Dimension(L*W*H)(mm)		3740*1685*2420	3740*1685*2420	3910*1685*2420
最小使用质量 (防翻架) (Kg) Min. Operating Mass(with ROPS) (Kg)		2090	2150	2380
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		80/200	80/200	80/200
发动机 Engine	型号 Model	C490BT	A495BT	A498BT
	型式 Type	直列、立式、水冷、四冲程、自然吸气 In-line, vertical, water-cooled, 4-stroke, naturally aspirated		
	排量 Displacement(L)	2.67	2.98	3.17
	标定功率 Rated Power (kw)	33.1	36.8	40.4
	额定转速 Rated Speed (rpm)	2400	2300	2200
变速箱 Transmission	档位 Gears(F/R)	8F/4R	8F/4R	8F/8R
	前进速度 (km/h) Forward speed (km/h)	2.48-32.59	2.6-32.48	2.48-31.06
	倒退速度 (km/h) Reverse speed (km/h)	3.69-11.25	3.98-11.22	2.13-26.63
轮胎规格 Tire	前轮 Front	7.5-16	8.3-20	8.3-20
	后轮 Rear	11.2-28	12.4-28	12.4-28
轮距 Tread	前轮 (不可调)(mm) Front wheels(Non-adjustable) (mm)	1220	1300	1300
	后轮 (可调)(mm) Rear wheels(Adjustable) (mm)	1300、1400、1500	1300、1400、1500	1300、1400、1500
最小离地间隙 (mm) Min. Ground Clearance(mm)		283	350	350
最小转向半径 (m) Min. turning radius(m)		4.2±0.3	4.2±0.3	4.2±0.3
PTO	型式 Type	后置、半独立 Rear-mounted, semi-independent		
	转速 Rotation rate(rpm)	540/1000 或 540/720	540/1000 或 540/720	540/1000 或 540/720
	功率 Power(kw)	29.5	32.5	36.7
耕深控制方式 Tilling depth control method		力、位调节 Force, position control		
提升力 Lifting Force	610mm 处 At 610mm (KN)	≥6.62	≥7.45	≥8.28
	铰接点 Hinge point (KN)	≥8.5	≥9.6	≥10.7

1.7 YTO-EMF554/EMF604

1.7 YTO-EMF554/EMF604

**产品简介**

YTO- EMF554/EMF604 系列轮式拖拉机是一款经典型中马力拖拉机，变速箱强度储备大，不仅适合农田作业，而且可配套前装载、后挖掘等进行工程作业。

柴油机油耗低，扭矩储备大，动力经济性好；

变速箱啮合套换挡，可选同步器换挡，实现不停车顺畅换挡，工作效率更为高效；

液压转向，操作时轻便灵活；

液压盘式行驶制动，制动平稳可靠，效能高；驻车制动系统，安全可靠；

变速杆侧置操纵，离合与制动采用悬挂操纵，操纵轻便舒适；

防翻架、驾驶室通过 OECD 认证，驾驶安全有保证；

可选装双油缸强压提升器，提升力增加 30% 以上，提升农具时更为轻松；

可选 2 组液压输出，满足多种机组配套作业需求。

Introduction of products

YTO- EMF554/EMF604 series heavy duty tractors are designed for farm operations. When attached to loaders and excavators, engineering operations can be realized.

Low fuel consumption, large torque reserve and strong power economy;

Sleeve shifting transmission. Optional synchronizers for non-stop and smooth gear shifting and improved efficiency;

Hydraulic steering that is easy to operate;

Hydraulic disc service brake with stable and reliable braking performance and high efficiency; safe and reliable parking brake system;

Side-mounted gear lever while the clutch and brake are easily operated by suspension;

OECD ROPS and closed cab for improved driving safety;

Optional double-cylinder pressurized lifter, which will increase the lifting force by more than 30%, making it easier to lift implements.

2 sets of hydraulic output is optional to meet the requirements of various implements;

性能参数
Performance specification

型号 Model		YTO-EMF554	YTO-EMF604
外形尺寸 (长 * 宽 * 高) (mm) Overall Dimension(L*W*H)(mm)		3990*1745*2565	3990*1745*2565
最小使用质量 (防翻架) (Kg) Min. Operating Mass(with ROPS) (Kg)		2499	2499
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		160/300	160/300
发动机 Engine	型号 Model	YT4A2-22	YT4A2-22
	型式 Type	直列、立式、水冷、四冲程、自然吸气 In-line, vertical, water-cooled, 4-stroke, naturally aspirated	
	排量 Displacement(L)	4.15	4.15
	标定功率 Rated Power (kw)	40.5	44.1
	额定转速 Rated Speed (rpm)	2200	2200
变速箱 Transmission	档位 Gears(F/R)	8F/8R	8F/8R
	前进速度 (km/h) Forward speed (km/h)	2.56-31.07	2.66-32.30
	倒退速度 (km/h) Reverse speed (km/h)	2.20-26.63	2.28-27.69
轮胎规格 Tire	前轮 Front	8.3-20	8.3-20
	后轮 Rear	12.4-28	13.6-28
轮距 Tread	前轮 (不可调)(mm) Front wheels(Non-adjustable) (mm)	1300	1300
	后轮 (可调)(mm) Rear wheels(Adjustable) (mm)	1400、1500、1600	1400、1500、1600
最小离地间隙 (mm) Min. Ground Clearance(mm)		350	367
最小转向半径 (m) Min. turning radius(m)		4.5±0.3	4.5±0.3
PTO	型式 Type	后置、独立 Rear-mounted, independent	
	转速 Rotation rate(rpm)	540/1000 或 540/720	540/1000 或 540/720
	功率 Power(kw)	36.7	39.7
耕深控制方式 Tilling depth control method		力、位调节 Force, position control	
提升力 Lifting Force	610mm 处 At 610mm (KN)	≥8.28	≥9.9
	铰接点 Hinge point (KN)	≥10.7	≥11.7

1.8 YTO-EF604/EF704/EF754

1.8 YTO-EF604/EF704/EF754

**产品简介**

YTO-EF604/EF704/EF754 系列是一款重载型拖拉机，不仅适合农田作业，而且可配套前装载、后挖掘进行工程作业。

YTO 柴油机，油耗低，扭矩储备大，动力经济性好；独立操纵 LUK 双作用离合器，操纵轻便，可靠耐用；加强型变速箱，12F+12R 喷合套换挡，换向速度快捷，工作效率高；重载前桥，牵引作业时驱动力能充分发挥；液压转向，操作轻便灵活；液压盘式行驶制动，制动平稳可靠，效能高；驻车制动系统，安全可靠；2 组液压输出，满足多种机组配套作业需求；可选力、位调节提升器，满足不同作业需求；可选框架驾驶室，密封性好，驾乘安全舒适。

Introduction of products

YTO-EF604/EF704/EF754 series heavy duty tractors are designed for farm operations. When attached to loaders and excavators, engineering operations can be realized.

Low fuel consumption, large torque reserve and strong power economy;

Independently operated LUK double-acting clutch, which is easy to operate, reliable and durable;

Reinforced transmission with 12F+12R engagement sleeve shifting range which is fast and efficient;

Heavy-duty front axle that gives full play to the driving force during traction;

Hydraulic steering that is easy to operate;

Hydraulic disc service brake with stable and reliable braking performance and high efficiency; safe and reliable parking brake system;

2 sets of hydraulic output is optional to meet the requirements of various implements;

Force and position control lifter is optional to meet the requirements of various operations;

A frame cab is optional to increase driving comfort.

性能参数
Performance specification

型号 Model		YTO-EF604	YTO-EF704	YTO-EF754
外形尺寸 (长 * 宽 * 高) (mm) Overall Dimension(L*W*H)(mm)		3990*1780*2710	3990*1780*2710	3990*1780*2710
最小使用质量 (防翻架) (Kg) Min. Operating Mass(with ROPS) (Kg)		2675	2675	2675
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		160/300	160/300	160/300
发动机 Engine	型号 Model	YT4A2-22	YT4B4-22	YT4B4-22
	型式 Type	直列、立式、水冷、四冲程、自然吸气 In-line, vertical, water-cooled, 4-stroke, naturally aspirated		
	排量 Displacement(L)	4.15	4.76	4.76
	标定功率 Rated Power (kw)	47.8	51.5	55.1
	额定转速 Rated Speed (rpm)	2200	2200	2200
变速箱 Transmission	档位 Gears(F/R)	12F/12R	12F/12R	12F/12R
	前进速度 (km/h) Forward speed (km/h)	2.77-35.54	2.77-35.54	2.77-35.54
	倒退速度 (km/h) Reverse speed (km/h)	2.37-30.47	2.37-30.47	2.37-30.47
轮胎规格 Tire	前轮 Front	9.5-24	9.5-24	9.5-24
	后轮 Rear	14.9-30	14.9-30	14.9-30
轮距 Tread	前轮 (不可调)(mm) Front Tyre(Non-adjustable) (mm)	1380	1380	1380
	后轮 (可调)(mm) Rear Tyre(Adjustable) (mm)	1420、1520、1620	1420、1520、1620	1420、1520、1620
最小离地间隙 (mm) Min. Ground Clearance(mm)		485	485	485
最小转向半径 (m) Min. turning radius(m)		4.5±0.3	4.5±0.4	4.5±0.4
PTO	型式 Type	后置独立 Rear-mounted, independent		
	转速 Rotation rate(rpm)	540/1000 或 540/720	540/1000 或 540/720	540/1000 或 540/720
	功率 Power(kw)	41.5	43.8	47.3
耕深控制方式 Tilling depth control method		压力控制 Force control		
提升力 Lifting Force	610mm 处 At 610mm (KN)	≥9.9	≥12.4	≥13.3
	铰接点 Hinge point (KN)	≥12.8	≥16.1	≥17.3

1.9 YTO-EMK854G

1.9 YTO-EMK854G

**产品简介**

YTO-EMK854G 果园型轮式拖拉机，整机结构紧凑、轴距短，适用于果园旋耕、打药等作业，也可适用于一般农田作业。

柴油机动力强劲，整机匹配性好，经济高效；

采用 12+12/16+16 梭式换档变速箱（可选装爬行档），档位安排合理；

液压转向，操作时轻便灵活；

液压盘式行驶制动，制动平稳可靠，效能高；

中置安全架，驾乘安全。

可选装驾驶室、冷暖空调，驾乘舒适。

Introduction of products

YTO-EMK854G orchard wheeled tractor is characterized by with compact structure and short wheelbase, suitable for rotary tillage, pesticide spraying in orchards, as well as general farm operations.

Powerful diesel engine matching the whole machine for increased efficiency;

Equipped with 12+12/16+16 shuttle shifting transmission (creeper gear optional) which has reasonable gear arrangement;

Hydraulic steering that is easy to operate;

Hydraulic disc service brake with stable and reliable braking performance and high efficiency;

Center-mounted ROPS to ensure driving safety;

Cab, heating and ventilation device are optional to increase driving comfort.

性能参数
Performance specification

型号 Model		YTO-EMK854G
外形尺寸 (长 * 宽 * 高) (mm) Overall Dimension(L*W*H)(mm)		4102*1500*2610
最小使用质量 (驾驶室) (Kg) Min. Operating Mass(with Cab) (Kg)		3000
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		80/200
发动机 Engine	型号 Model	YD4EZ
	型式 Type	直列、立式、水冷、四冲程、增压 In-line, vertical, water-cooled, 4-stroke, turbocharged
	排量 Displacement(L)	4.09
	标定功率 Rated Power (kw)	62.5
	额定转速 Rated Speed (rpm)	2200
变速箱 Transmission	档位 Gears(F/R)	12F/12R
	前进速度 (km/h) Forward speed (km/h)	2.35-38.22
	倒退速度 (km/h) Reverse speed (km/h)	1.95-31.71
轮胎规格 Tyre Size	前轮 Front	7.5-16
	后轮 Rear	13.6-24
轮距 Wheel Tread	前轮 (可调) (mm) Front wheels(Ajustable) (mm)	1245
	后轮 (可调) (mm) Rear wheels(Ajustable) (mm)	1155/1255/1355
最小离地间隙 (mm) Min. Ground Clearance(mm)		220
最小转向半径 (m) Min. turning radius(m)		4.6 ± 0.3
PTO	型式 Type	后置独立 Rear-mounted, independent
	转速 Rotation rate(rpm)	540/1000
	功率 Power(kw)	51
深耕控制方式 Tilling depth control method		位调节、浮动调节 Position control, floating control
提升力 Lifting Force	610mm 处 At 610mm (KN)	≥15.9
	铰接点 Hinge point (KN)	≥20.7

2 轮式拖拉机（大马力）

2 wheeled tractor

2.1 YTO-EX754 / EX854 / EX954 / ELX1054

2.1 YTO-EX754 / EX854 / EX954 / ELX1054



产品简介

YTO-EX754/EX854/ EX954/ELX1054 系列轮式拖拉机是中国一拖在吸收国外先进技术的基础上，自行开发的大功率拖拉机，其性能卓越，造型美观，视野开阔，适应性强，广泛适用于各种农田作业和运输等其它作业。

YTO发动机动力强劲、低碳环保；

传动系统采用欧洲技术，可选同步器换档，实现不停车顺畅换挡，工作效率更为高效；可选爬行档 24F+8R，满足开沟、种植等特殊作业需求；

独立操纵的双作用离合器，操纵轻便；

独立油路的静液压转向系统，方向盘可调整，驾驶员操作时轻便灵活；

踏板操纵的液压盘式行驶制动器，操纵省力；手柄操纵的驻车制动器，安全可靠；

PTO 双速动力输出，2 或 3 组液压输出，可满足旋耕、收割、播种和施肥等多种作业需求；

全封闭舒适性驾驶室，视野开阔，可选装暖风和空调；可选装 OECD 安全架；

可选气刹，满足不同用户需求；

可选装提升器快速速升降装置和机外操纵装置，提高作业效率，并减轻驾驶员的工作强度；

可选装双辅助提升油缸，提升力增加 30% 以上，提升大型农具时更为轻松。

Introduction of products

YTO-EX754/EX854/EX954/ELX1054 series wheeled tractors are high power vehicles that use advanced international technologies in its development, featuring excellent performance, attractive appearance, wide vision, and strong adaptability. They have found wide applications in farming and transportation.

Powerful and green engine;

With European technologies, the transmission system can have synchronizer installed for non-stop and smooth gear shifting, thus improving the working efficiency. Optional creeper gear (24F+8R), for ditching and planting applications;

Independently operated double-acting clutch easy to operate;

Independently operated LUK double-acting clutch, which is easy to operate, reliable and durable;

Pedal-operated hydraulic disc service brake saves effort in operation. The parking brake operated by the handle is safe and reliable.

Dual-speed power output from PTO, 2 or 3 sets of hydraulic output for rotary tillage, harvesting, sowing and fertilization;

A cab with optional heater, air conditioning and OECD anti-rollover device where a sealed space and wide vision are available for driving comfort;

Optional air brake to meet the needs of users;

Optional elevator quick lowering device and device for external operation, for improved operation efficiency and reduced driver fatigue;

Optional auxiliary double lifting cylinders for increased lifting force over 30%, making it easier to lift large implements;

性能参数
Performance specification

型号 Model		YTO-EX754	YTO-EX854	YTO-EX954	YTO-ELX1054
外形尺寸 (长 * 宽 * 高) (mm) Overall Dimension(L*W*H)(mm)		4250*2145*2775	4350*2170*2870	4350*2170*2870	4350*2170*2870
最小使用质量 (驾驶室) (Kg) Min. Operating Mass(with Cab) (Kg)		3675	3675	3780	3780
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		400/300	400/300	400/300	400/300
发动机 Engine	型号 Model	LR4B3-23	LR4B5-23	LR4M5-23	LR4A3L-23
	型式 Type	四缸、立式、水冷、四冲程、直喷燃烧室、自然吸气 4-cylinder, vertical, water-cooled, 4-stroke, direct injection combustion chamber, naturally aspirated			四缸、立式、水冷、四冲程、 直喷燃烧室、涡轮增压 4-cylinder, vertical, water- cooled, 4-stroke, direct injection combustion chamber, turbocharged
	排量 Displacement(L)	4.58	4.95	5.13	4.33
	标定功率 Rated Power (kw)	55	62.5	70	77.2
	额定转速 Rated Speed (rpm)	2300	2300	2300	2300
变速箱 Transmission	档位 Gears	12F+4R	12F+4R	12F+4R	12F+4R
	前进速度 (km/h) Forward speed (km/h)	1.54-25.46	1.63-26.82	1.65-27.17	2.17-36.74
	倒退速度 (km/h) Reverse speed (km/h)	4.02-12.07	4.23-12.69	4.28-12.85	5.64-17.39
轮胎规格 Tire	前轮 Front	11.2-24	11.2-28	13.6-24	13.6-24
	后轮 Rear	16.9-30	16.9-34	16.9-34	16.9-34
轮距 Tread	前轮 (可调)(mm) Front wheels (Adjustable) (mm)	1569-2005	1630-1960	1562-2000	1562-2000
	后轮 (可调)(mm) Rear wheels (Adjustable) (mm)	1500-2100	1500-2100	1520-2120	1520-2120
最小离地间隙 (mm) Min. Ground Clearance(mm)		370	430	440	440
最小转向半径 (m) Min. turning radius(m)		5.6±0.3	5.6±0.3	5.6±0.3	5.6±0.3
PTO	型式 Type	独立及同步 Independent and synchronous			独立 Independent
	转速 Rotation rate(rpm)	540/1000			
	功率 Power(kw)	47	53	58	64
耕深控制方式 Tilling depth control method		力、位控制、力位综合控制、浮动控制 Force, position control, force level control, floating control			
提升力 Lifting Force	610mm 处 At 610mm (KN)	≥16	≥16	≥16	≥16
	铰接点 Hinge point (KN)	≥21.7	≥21.7	≥21.7	≥21.7

2.2 YTO— ELX754F/ELX854F

2.2 YTO- ELX754F/ELX854F

**产品简介**

YTO-ELX754F/ELX854F 型轮式拖拉机，是中国一拖在吸收国外先进技术的基础上，自行开发的大马力轮式拖拉机，用于果园或其它特殊作业。

拖拉机结构紧凑，质量小，轮距窄，中置防翻架，可适应果园等特殊作业需求。

YTO发动机动力强劲、低碳环保，二级平衡结构振动小；

传动系统采用欧洲技术，可选同步器换档，不停车顺畅换挡，使驾驶员工作效率更为高效；

独立操纵的双作用离合器，操纵轻便；

独立油路的静液压转向，方向盘可调整，驾驶员操作时轻便灵活；

踏板操纵的液压盘式行驶制动器，操纵省力；手柄操纵的驻车制动器，安全可靠；

同步和独立式 PTO 双转速动力输出，2 组液压输出，可满足配套多种农具需求。

Introduction of products

YTO-ELX754F/ELX854F wheeled tractors are self-developed high power products which have use advanced technologies within a global range. They are used for orchards or other special operations.

Applicable to orchards operations due to compact structure, light weight, narrow tread and central ROPS.

Powerful and green engine with minimal vibration due to secondary balancer;

With European technologies, the transmission system can have synchronizer installed for non-stop gear shifting, thus improving the working efficiency.

Independently operated double-acting clutch easy to operate;

Hydrostatic steering with independent oil circuit. The steering wheel is adjustable to ease the driver's operation;

Pedal-operated hydraulic disc service brake saves effort in operation. The parking brake operated by the handle is safe and reliable.

Synchronous and independent dual speed power output from PTO, 2 sets of hydraulic output for hitching implements.

性能参数
Performance specification

型号 Model		YTO-ELX754F	YTO-ELX854F
外形尺寸 (长 * 宽 * 高) (mm) Overall Dimension(L*W*H)(mm)		4250*1500*2775	4250*1500*2775
最小使用质量 (驾驶室) (Kg) Min. Operating Mass(with Cab) (Kg)		3540	3540
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		160/0	160/0
发动机 Engine	型号 Model	4RBT	4MBT
	型式 Type	四缸、立式、水冷、四冲程、直喷燃烧室、自然吸气 4-cylinder, vertical, water-cooled, 4-stroke, direct injection combustion chamber, naturally aspirated	
	排量 Displacement(L)	4.58	4.75
	标定功率 Rated Power (kw)	55	62.5
	额定转速 Rated Speed (rpm)	2400	2400
变速箱 Transmission	档位 Gears	12F+4R	12F+4R
	前进速度 (km/h) Forward speed (km/h)	1.73-28.5	1.73-28.5
	倒退速度 (km/h) Reverse speed (km/h)	4.49-13.49	4.49-13.49
轮胎规格 Tire	前轮 Front	9.5-20	9.5-20
	后轮 Rear	14.9-24	14.9-24
轮距 Tread	前轮 (可调) (mm) Front wheels (Adjustable) (mm)	1260	1260
	后轮 (可调) (mm) Rear wheels (Adjustable) (mm)	1150	1150
最小离地间隙 (mm) Min. Ground Clearance(mm)		300	300
最小转向半径 (m) Min. turning radius(m)		6.5±0.3	6.5±0.3
PTO	型式 Type	独立及同步 Independent and synchronous	
	转速 Rotation rate(rpm)	540/1000	540/1000
	功率 Power(kw)	47	53
耕深控制方式 Tilling depth control method		力、位控制、力位综合控制、浮动控制 Force control, position control, force and position control, float control	
提升力 Lifting Force	610mm 处 At 610mm (KN)	≥16	≥16
	铰接点 Hinge point (KN)	≥21.7	≥21.7

2.3 YTO— ELX800H/ELX950H/ELX954H

2.3 YTO- ELX800H /ELX950H/ELX954H



产品简介

YTO—ELX800H/ELX950H/ELX954H 型轮式拖拉机，是中国一拖根据市场需求自主设计开发的适合中耕作业的多功能轮式拖拉机。其地隙高，性能卓越，适应性强，可广泛用于各种农田作业。

YTO 发动机动力强劲，低碳环保；

档位多，速度范围宽，操作轻便，作业效率高；

全封闭驾驶室，造型完美、视野开阔，驾乘舒适，可选装暖风和空调；

液压制动，操作轻便灵活，减轻驾驶员工作强度；

PTO 双转速动力输出，2 或 3 组液压输出，可满足多种作业需求；

两驱 LX750H/LX900H 地隙高达 840mm，四驱 LX904H 地隙高达 960mm，可进行田间中耕管理作业，通过更换前后桥及轮胎满足一般作业需求。

Introduction of products

YTO—ELX800H/ELX950H/ELX954H wheeled tractors are self-developed multifunctional vehicles that cater for demand of intertillage operations, featuring high ground clearance, excellent performance and strong adaptability, and can be widely used in farm operations.

Powerful and green engine;

Multiple gears, wide speed range, easy-to-operate and high operation efficiency;

A cab where a sealed space, attractive appearance, and wide vision are available with optional heater and air conditioning for improved driving comfort;

Hydraulic braking that is easy to operate, reducing driving fatigue;

Dual speed power output from PTO, 2 sets of hydraulic output for various operation requirements;

Intertillage management is possible with 840mm ground clearance for 2WD LX750H/LX900H and 960mm ground clearance for 4WD LX904H, meeting the general operation requirements by replacing the front and rear axles and tires.

性能参数
Performance specification

型号 Model		YTO-ELX800H	YTO-ELX950H	YTO-ELX954H
外形尺寸 (长 * 宽 * 高) (mm) Overall Dimension(L*W*H)(mm)		4250*2890*3160	4250*2890*3160	4350*2645*2320
最小使用质量 (驾驶室) (Kg) Min. Operating Mass(with Cab) (Kg)		3810	3810	4830
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		400/300	400/300	400/300
发动机 Engine	型号 Model	LR4B5-23	LR4M5-23	LR4N5-23
	型式 Type	四缸、立式、水冷、四冲程、直喷燃烧室、自然吸气 4-cylinder, vertical, water-cooled, 4-stroke, direct injection combustion chamber, naturally aspirated		
	排量 Displacement(L)	4.95	5.13	5.32
	标定功率 Rated Power (kw)	59	70	70
	额定转速 Rated Speed (rpm)	2300	2300	2300
变速箱 Transmission	档位 Gears	12F+4R	12F+4R	12F+4R
	前进速度 (km/h) Forward speed (km/h)	1.41-23.23	1.41-23.23	1.29-21.20
	倒退速度 (km/h) Reverse speed (km/h)	3.66-10.99	3.66-10.99	3.37-1.03
轮胎规格 Tire	前轮 Front	9.5-32	9.5-32	11-38
	后轮 Rear	12-38	12-38	12.4-54
轮距 Tread	前轮 (可调)(mm) Front Tyre(Adjustable) (mm)	2360	2360	2290
	后轮 (可调)(mm) Rear Tyre(Adjustable) (mm)	2280	2280	2280
最小离地间隙 (mm) Min. Ground Clearance(mm)		840	840	960
最小转向半径 (m) Min. turning radius(m)		5±0.3	5±0.3	5.6±0.3
PTO	型式 Type	独立及同步 Independent and synchronous		
	转速 Rotation rate(rpm)	540/1000		
	功率 Power(kw)	50	58	58
耕深控制方式 Tilling depth control method		力、位控制、力位综合控制、浮动控制 Force control, position control, force and position control, float control		
提升力 Lifting Force	610mm 处 At 610mm (KN)	≥16	≥16	≥16
	铰接点 Hinge point (KN)	≥21.7	≥21.7	≥21.7

2.4 YTO—EX804-1/EX904-1/EX954-1/ELX1054-1

2.4 YTO-EX804-1/EX904-1/EX954-1/ELX1054-1

**产品简介**

YTO-EX804-1/EX904-1/EX954-1/ELX1054-1型轮式拖拉机，是中国一拖在吸收国外先进技术的基础上，自行开发的轮式拖拉机，后轮采用滑动半轴，轮距可实现1.4-2.1m滑动调节，既可以进行耕整地作业，又可以满足农田的播种、喷药等中耕作业需求。

YTO发动机动力强劲、低碳环保；

传动系统采用欧洲技术，可选同步器换挡，实现不停车顺畅换挡，工作效率更为高效；

独立操纵的双作用离合器，操纵轻便；

独立油路的静液压转向，驾驶员操作时轻便灵活；

踏板操纵的液压式行驶制动器和手柄操纵的停车制动器，制动安全可靠；

PTO双转速动力输出，2或3组液压输出，可满足多种作业需求；

全封闭驾驶室，视野开阔，美观舒适豪华，可选装暖风和空调；

可选装安全架及遮阳棚、气刹、摆式牵引等，满足不同用户需求；

Introduction of products

YTO-EX804-1/EX904-1/EX954-1/ELX1054-1series wheeled tractors are self-developed vehicles that uses advanced international technologies. The rear wheels come with sliding axle shafts for adjustable tread from 1.4m to 2.1m. They are used for tillage, soil preparation and intertillage operations such as sowing and pesticide spraying in farms.

Powerful and green engine;

Transmission system that uses European technologies can have synchronizers installed for non-stop and smooth gear shifting and improved efficiency;

Independently operated double-acting clutch easy to operate;

Hydrostatic steering system with independent oil circuit makes it easier to operate;

Pedal-operated hydraulic service brake and handle-operated parking brake for better braking safety and reliability;

Dual speed power output from PTO, 2 or 3 sets of hydraulic output that can meet various operation requirements;

A luxurious cab where a sealed space, attractive appearance, and wide vision are available with optional heater and air conditioning for improved driving comfort;

ROPS, sunshade, air brake, swinging traction, etc. can be installed to meet the needs of different users.

性能参数
Performance specification

型号 Model		YTO-EX804-1	YTO-EX904-1	YTO-EX954-1	YTO-ELX1054-1
外形尺寸 (长 * 宽 * 高) (mm) Overall Dimension(L*W*H)(mm)		4350*1650*2740	4350*1650*2740	4350*1650*2765	4350*1650*2765
最小使用质量 (驾驶室) (Kg) Min. Operating Mass(with Cab) (Kg)		3650	3750	3870	3780
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		400/300	400/300	400/300	400/300
发动机 Engine	型号 Model	LR4B5-23	LR4M5-23	LR4M5-23	LR4V5-23
	型式 Type	四缸、立式、水冷、四冲程、直喷燃烧室、自然吸气 Four-cylinder, vertical, water-cooled, four-stroke, direct-injection combustion chamber, naturally aspirated			
	排量 Displacement(L)	4.95	5.13	5.13	5.61
	标定功率 Rated Power (kw)	59	66.2	70	77.2
	额定转速 Rated Speed (rpm)	2300	2300	2300	2300
变速箱 Transmission	挡位 Gears	12F+4R	12F+4R	12F+4R	12F+4R
	前进速度 (km/h) Forward speed (km/h)	1.54-25.46	1.63-26.82	1.65-27.17	2.17-36.74
	倒退速度 (km/h) Reverse speed (km/h)	4.02-12.07	4.23-12.69	4.28-12.85	5.64-17.39
轮胎规格 Tire	前轮 Front	11.2-28	11.2-28	11.2-28	11.2-28
	后轮 Rear	14.9-38	14.9-38	14.9-38	14.9-38
轮距 Tread	前轮 (可调)(mm) Front wheels (Adjustable) (mm)	1400 ~ 2100	1400 ~ 2100	1400 ~ 2100	1400 ~ 2100
	后轮 (可调)(mm) Rear wheels (Adjustable) (mm)	1400 ~ 2100	1400 ~ 2100	1400 ~ 2100	1400 ~ 2100
最小离地间隙 (mm) Min. Ground Clearance(mm)		430	430	440	440
最小转向半径 (m) Min. turning radius(m)		6.5±0.3	6.5±0.3	6.5±0.3	6.5±0.3
PTO	型式 Type	独立及同步 Independent and synchronous			独立 Independent
	转速 Rotation rate(rpm)	540/1000			
	功率 Power(kw)	50	55	58	64
耕深控制方式 Tilling depth control method		位控制、浮动控制 Position control, floating control			
提升力 Lifting Force	610mm 处 At 610mm (KN)	≥16	≥16	≥16	≥16
	铰接点 Hinge point (KN)	≥21.7	≥21.7	≥21.7	≥21.7

2.5 YTO— ELY1104/ELY1204

2.5 YTO- ELY1104/ELY1204

**产品简介**

YTO— ELY1104/ELY1204 系列轮式拖拉机是中国一拖在吸收国外先进技术的基础上，自行开发的大功率拖拉机，其性能卓越，造型美观，视野开阔，适应性强，广泛适用于各种农田作业和运输等其它作业。

YTO 发动机动力强劲、低碳环保；

传动系统采用欧洲技术，可选同步器换挡，实现不停车顺畅换挡，工作效率更为高效；可选爬行档 24F+8R，满足开沟、种植等特殊作业需求；

独立操纵的双作用离合器，操纵轻便；

独立油路的静液压转向系统，方向盘可调整，驾驶员操作时轻便灵活；

踏板操纵的液压盘式行驶制动器，操纵省力；手柄操纵的驻车制动器，安全可靠；

PTO 双转速动力输出，2 或 3 组液压输出，可满足旋耕、收割、播种和施肥等多种作业需求；

全封闭舒适性驾驶室，视野开阔，可选装暖风和空调；可选装 OECD 安全架；

可选气刹，满足不同用户需求；

可选装提升器快速速升降装置和机外操纵装置，提高作业效率，并减轻驾驶员的工作强度；

可选装双辅助提升油缸，提升力增加 30% 以上，提升大型农具时更为轻松；

Introduction of products

YTO-ELY1104/ELY1204 series wheeled tractors are high power vehicles that use advanced international technologies in its development, featuring excellent performance, attractive appearance, wide vision, and strong adaptability. They have found wide applications in farming and transportation.

Powerful and green engine;

With European technologies, the transmission system can have synchronizer installed for non-stop and smooth gear shifting, thus improving the working efficiency. Optional creeper gear (24F+8R), for ditching and planting applications;

Independently operated double-acting clutch easy to operate;

Independently operated LUK double-acting clutch, which is easy to operate, reliable and durable;

Pedal-operated hydraulic disc service brake saves effort in operation. The parking brake operated by the handle is safe and reliable.

Dual-speed power output from PTO, 2 or 3 sets of hydraulic output for rotary tillage, harvesting, sowing and fertilization;

A cab with optional heater, air conditioning and OECD anti-rollover device where a sealed space and wide vision are available for driving comfort;

Optional air brake to meet the needs of users;

Optional elevator quick lowering device and device for external operation, for improved operation efficiency and reduced driver fatigue;

Optional auxiliary double lifting cylinders for increased lifting force over 30%, making it easier to lift large implements;

性能参数
Performance specification

型号 Model		YTO-ELY1104	YTO-ELY1204
外形尺寸 (长 * 宽 * 高) (mm) Overall Dimension(L*W*H)(mm)		4536*2245*2970	4536*2245*2970
最小使用质量 (驾驶室) (Kg) Min. Operating Mass(with Cab) (Kg)		3950	3950
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		400/300	400/300
发动机 Engine	型号 Model	LR4A3L-23	LR4A3L-23A
	型式 Type	四缸、立式、水冷、四冲程、直喷燃烧室、涡轮增压 4-cylinder, vertical, water-cooled, 4-stroke, direct injection combustion chamber, turbocharged	
	排量 Displacement(L)	4.33	4.33
	标定功率 Rated Power (kw)	81	88.2
	额定转速 Rated Speed (rpm)	2300	2300
变速箱 Transmission	档位 Gears	12F+12R	12F+12R
	前进速度 (km/h) Forward speed (km/h)	2.62-36.72	2.62-36.72
	倒退速度 (km/h) Reverse speed (km/h)	2.28-37.02	2.28-37.02
轮胎规格 Tire	前轮 Front	13.6-24	13.6-24
	后轮 Rear	16.9-34	16.9-34
轮距 Tread	前轮 (可调) (mm) Front wheels (Adjustable) (mm)	1560-2002	1560-2002
	后轮 (可调) (mm) Rear wheels (Adjustable) (mm)	1640-2140	1640-2140
最小离地间隙 (mm) Min. Ground Clearance(mm)		440	440
最小转向半径 (m) Min. turning radius(m)		5.6±0.3	5.6±0.3
PTO	型式 Type	独立 Independent	
	转速 Rotation rate(rpm)	540/1000	
	功率 Power(kw)	67	71.25
耕深控制方式 Tilling depth control method		力、位控制、力位综合控制、浮动控制 Force control, position control, force and position control, float control	
提升力 Lifting Force	610mm 处 At 610mm (KN)	≥25	≥25
	铰接点 Hinge point (KN)	≥29.1	≥29.1

2.6 YTO-EX1304 / EX1404

2.6 YTO-EX1304 / EX1404

**产品简介**

YTO-EX1304 / EX1404 拖拉机是中国一拖在借鉴国外先进技术基础上，根据市场需求自行开发的具有国际先进水平的四轮驱动型轮式拖拉机。其性能卓越，造型美观，视野开阔，适应性强，广泛适用于各种农田作业和运输等其它作业。

YTO发动机动力强劲、低碳环保；

传动系统采用欧洲技术，强制冷却和强制润滑，可靠持久，满足大负荷作业需求；可选同步器换档，实现不停车顺畅换挡，工作效率更为高效；可选爬行档24F+8R，满足开沟、种植等特殊作业需求；

独立操纵LUK双作用离合器，操纵轻便，可靠耐用；

独立油路的静液压转向，方向盘可调整，驾驶员操作时轻便灵活；

踏板操纵的液压盘式行驶制动器，操纵省力；手柄操纵的驻车制动器，安全可靠；

PTO双速动力输出，2或3组液压输出，可满足旋耕、收割、播种和施肥等多种作业需求；

全封闭舒适性驾驶室，视野开阔，配备暖风、空调、MP3音响和粉尘过滤系统；可选装OECD安全架；

液压提升系统独立用油，清洁的液压油可延长液压元件使用寿命；

可选气刹，满足不同用户需求；

可选装提升器快速升降装置和机外操纵装置，提高作业效率，并减轻驾驶员的工作强度；

Introduction of products

YTO-EX1304/EX1404 series wheeled tractors are self-developed four-wheel driven vehicles that use advanced international technologies and cater for demand, featuring excellent performance, attractive appearance, wide vision, and strong adaptability. They are found wide applications in farming and transportation.

Powerful and green engine;

The transmission system uses European technologies and can meet the operation needs under heavy duty conditions with the adoption of forced cooling and lubrication that is reliable and durable. The synchronizer is optional for non-stop gear shifting, thus improving the working efficiency; creeper gear (24F+8R) is optional for such applications as ditching and planting;

Independently operated LUK double-acting clutch, which is easy to operate, reliable and durable;

Hydrostatic steering with independent oil circuit. The steering wheel is adjustable to ease the driver's operation;

Pedal-operated hydraulic disc service brake saves effort in operation. The parking brake operated by the handle is safe and reliable.

Dual-speed power output from PTO, 2 or 3 sets of hydraulic output for rotary tillage, harvesting, sowing and fertilization;

sealed cab with wide vision, heater, air conditioning, MP3 and dust filtering system to improve driving comfort; optional OECD anti-rollover device;

Independent hydraulic lifting system oil circuit. Clean hydraulic oil can prolong the service life of hydraulic components.

Optional air brake to meet the needs of users;

Optional elevator quick lowering device and device for external operation, for improved operation efficiency and reduced driver fatigue;

性能参数
Performance specification

型号 Model		YTO-EX1304	YTO-EX1404
外形尺寸 (长 * 宽 * 高) (mm) Overall Dimension(L*W*H)(mm)		5050*2380*3100	5050*2380*3100
最小使用质量 (驾驶室) (Kg) Min. Operating Mass(with Cab) (Kg)		4850	4910
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		600/400	600/400
发动机 Engine	型号 Model	LR6B5-23	LR6M5-23
	型式 Type	六缸、立式、水冷、四冲程、直喷燃烧室、自然吸气 6-cylinder, vertical, water-cooled, 4-stroke, direct-injection combustion chamber, naturally aspirated	
	排量 Displacement(L)	7.43	7.7
	标定功率 Rated Power (kw)	95.6	103
	额定转速 Rated Speed (rpm)	2300	2300
变速箱 Transmission	档位 Gears	12F+4R	12F+4R
	前进速度 (km/h) Forward speed (km/h)	2.19-29.63	2.19-29.63
	倒退速度 (km/h) Reverse speed (km/h)	4.72-13.83	4.72-13.83
轮胎规格 Tire	前轮 Front	14.9-26	14.9-26
	后轮 Rear	18.4-38	18.4-38
轮距 Tread	前轮 (可调) (mm) Front wheels (Adjustable) (mm)	1672-2003	1822-2153
	后轮 (可调) (mm) Rear wheels (Adjustable) (mm)	1662-2262	1662-2262
最小离地间隙 (mm) Min. Ground Clearance(mm)		470	470
最小转向半径 (m) Min. turning radius(m)		7.0±0.3	7.0±0.3
PTO	型式 Type	独立 Independent	
	转速 Rotation rate(rpm)	540/1000	540/1000
	功率 Power(kw)	81.7	88
深耕控制方式 Tilling depth control method		位控制、浮动控制 Position control, floating control	
提升力 Lifting Force	610mm 处 At 610mm (KN)	≥28	≥28
	铰接点 Hinge point (KN)	≥35	≥35

2.7 YTO- EX1304-1 / EX1404-1

2.7 YTO- EX1304-1 / EX1404-1

**产品简介**

YTO-EX1304-1/EX1404-1型系列轮式拖拉机，是中国一拖在借鉴国外先进技术基础上，根据市场需求自行开发的具有国际先进水平的四轮驱动型轮式拖拉机。其性能卓越，造型美观，视野开阔，适应性强，轮距可实现1.4—2.1m滑动调节，既可以进行耕整地、中耕农田作业需求，又可以适用于运输等其它作业，完美实现“一机多用”，为用户创造更大价值。

YTO发动机动力强劲、低碳环保；

传动系统采用欧洲技术，强制冷却和强制润滑，可靠持久，满足大负荷作业需求；可选同步器换挡，实现不停车顺畅换挡，工作效率更为高效；

独立操纵LUK双作用离合器，操纵轻便，可靠耐用；

独立油路的静液压转向，方向盘可调整，驾驶员操作时轻便灵活；

踏板操纵的液压盘式行驶制动器，操纵省力；手柄操纵的驻车制动器，安全可靠；

PTO双转速动力输出，2或3组液压输出，可满足旋耕、收割、播种和施肥等多种作业需求；

全封闭舒适性驾驶室，视野开阔，配备暖风、空调、MP3音响和粉尘过滤系统；可选装OECD安全架；

液压提升系统独立用油，清洁的液压油可延长液压元件使用寿命；

可选气刹，满足不同用户需求；

可选装提升器快速升降装置和机外操纵装置，提高作业效率，并减轻驾驶员的工作强度；

Introduction of products

YTO-EX1304-1/EX1404-1 series wheeled tractors are four-wheel-drive wheeled tractors with international advanced level developed by China on the basis of foreign advanced technology and developed according to market demand. Its performance is excellent, its appearance is beautiful, its vision is wide, its adaptability is strong, and the track can achieve 1.4-2.1m sliding adjustment. It can not only meet the needs of ploughing and cultivating farmland, but also can be applied to other operations such as transportation. Multi-use" to create greater value for users.

YTO engine has strong power and low carbon environmental protection; The transmission system adopts European technology, forced cooling and forced lubrication, which is reliable and long-lasting, and meets the requirements of large-load operation; the optional synchronizer shifts to achieve smooth shifting without stopping, and work efficiency is more efficient;

Independently operate LUK double-acting clutch, which is light, reliable and durable;

Hydrostatic steering of the independent oil circuit, the steering wheel can be adjusted, and the driver is light and flexible when operating; The hydraulic disc type service brake operated by the pedal is easy to operate; the parking brake operated by the handle is safe and reliable; PTO dual-speed power output, 2 or 3 sets of hydraulic output, can meet the needs of various operations such as rotary tillage, harvesting, sowing and fertilization;

Fully enclosed comfort cab with wide view, equipped with warm air, air conditioning, MP3 sound and dust filtration system; optional OECD safety frame;

Hydraulic lifting system uses oil independently, and clean hydraulic oil can extend the service life of hydraulic components;

Optional air brake to meet the needs of different users;

Optional lifter fast speed lifting device and off-machine operating device to improve work efficiency and reduce the driver's work intensity.

性能参数
Performance specification

型号 Model		YTO-EX1304-1	YTO-EX1404-1
外形尺寸 (长 × 宽 × 高) (mm) Overall Dimension(L*W*H)(mm)		5050*2380*3100	5050*2380*3100
最小使用质量 (驾驶室) (Kg) Min. Operating Mass(with Cab) (Kg)		4800	4980
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		600/400	600/400
发动机 Engine	型号 Model	LR6B5-23	LR6M5-23
	型式 Type	六缸、立式、水冷、四冲程、直喷燃烧室、自然吸气 6-cylinder, vertical, water-cooled, 4-stroke, direct injection combustion chamber, , naturally aspirated	
	排量 Displacement(L)	7.43	7.7
	标定功率 Rated Power (kw)	95.6	103
	额定转速 Rated Speed (rpm)	2300	2300
变速箱 Transmission	档位 Gears	12F+4R	12F+4R
	前进速度 (km/h) Forward speed (km/h)	2.19-29.63	2.19-29.63
	倒退速度 (km/h) Reverse speed (km/h)	4.72-13.83	4.72-13.83
轮胎规格 Tire	前轮 Front	11.2-28	11.2-28
	后轮 Rear	12.4-48	12.4-48
轮距 Tread	前轮 (可调)(mm) Front wheels (Adjustable) (mm)	1400	1400
	后轮 (可调)(mm) Rear wheels (Adjustable) (mm)	1400 ~ 2100	1400 ~ 2100
最小离地间隙 (mm) Min. Ground Clearance(mm)		470	470
最小转向半径 (m) Min. turning radius(m)		6.5±0.3	6.5±0.3
PTO	型式 Type	独立 Independence	
	转速 Rotation rate(rpm)	540/1000	540/1000
	功率 Power(kw)	81.7	88
耕深控制方式 Tilling depth control method		位控制、浮动控制 Force control、Position control	
提升力 Lifting Force	610mm 处 At 610mm (KN)	≥28	≥28
	铰接点 Hinge point (KN)	≥35	≥35

2.8 YTO-ELG1604 / ELG1754

2.8 YTO-ELG1604 / ELG1754



产品简介

YTO-ELG1604 / ELG1754 拖拉机是中国一拖根据市场需求自行开发的具有国际先进水平的四轮驱动轮式拖拉机。其动力强劲，性能卓越，造型美观，视野开阔，适应性强，广泛用于各种农田作业和运输等其它作业。

采用增压空空中冷柴油机，动力强劲，节能环保；变速箱速度范围广，最高速度约 40km/h；后轮距无级可调，可满足各种作业需求；主离合器采用气助力结构，踏板力小、操纵轻便；电控动力输出操纵，操纵舒适简便；3 组液压输出，满足多种作业需求；新款全密封驾驶室，造型美观，视野开阔，配备空调、暖风、MP3 音响、豪华可调座椅、驾乘舒适；液压转向、机械制动，操作轻便灵活，减轻驾驶员工工作强度；选装后双轮，整机牵引力大，满足大型农具进行复式作业。

Introduction of products

YTO-ELG1604/ELG1754 series wheeled tractors are self-developed four-wheel driven vehicles that use advanced international technologies and cater for demand, featuring excellent performance, attractive appearance, wide vision, and strong adaptability. They have found wide applications in farming and transportation.

Intercooled supercharger system that is powerful, energy saving and environmental friendly;
Wide speed range with the highest speed of 40km/h;
Infinitely variable rear tread meets various operation requirements.
Air assist main clutch that can facilitate foot operation;
Electrically controlled power output for easy and comfortable operation.
3 sets of hydraulic output to meet various operation requirements;
A newly designed cab incorporates air conditioning, heater, MP3, and luxurious adjustable seats where a sealed space, attractive appearance and wide vision are available for driving comfort;
Hydraulic steering and mechanical braking for easy and flexible operation and reduced driving fatigue;
Optional dual rear wheels that can improve the traction force, meeting the needs of large implements in compound operations.

性能参数
Performance specification

型号 Model		YTO-ELG1604	YTO-ELG1754
外形尺寸 (长 * 宽 * 高) (mm) Overall Dimension(L*W*H)(mm)		5430*2770/3330 (后双轮 dual rear wheels)*3310	5430*2770/3330 (后双轮 dual rear wheels)*3310
最小使用质量 (驾驶室) (Kg) Min. Operating Mass(with Cab) (Kg)		6580/7270 (后双轮 dual rear wheels)	6580/7270 (后双轮 dual rear wheels)
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		540/300	540/300
发动机 Engine	型号 Model	SC7H175G3	SC7H190.4G3
	型式 Type	六缸、直喷、四行程、水冷、增压中冷 6-cylinder, direct injection, 4-stroke, water-cooled, supercharged and intercooled	
	排量 Displacement(L)	6.44	6.44
	标定功率 Rated Power (kw)	118	128.6
	额定转速 Rated Speed (rpm)	2200	2200
变速箱 Transmission	档位 Gears	18F+6R	18F+6R
	前进速度 (km/h) Forward speed (km/h)	2.81-38.95	2.81-38.95
	倒退速度 (km/h) Reverse speed (km/h)	4.84-13.53	4.84-13.53
轮胎规格 Tire	前轮 Front	14.9-28	14.9-28
	后轮 Rear	18.4-38	18.4-38
轮距 Tread	前轮 (可调)(mm) Front wheels (Adjustable) (mm)	1770-2208	1712-2208
	后轮 (可调)(mm) Rear wheels (Adjustable) (mm)	1730-2228/2324 (后双轮 dual rear wheels)	
最小离地间隙 (mm) Min. Ground Clearance(mm)		490	490
最小转向半径 (m) Min. turning radius(m)		7±0.3	7±0.3
PTO	型式 Type	后置、电液独立控制 Rear-mounted, electro-hydraulic independent control	
	转速 Rotation rate(rpm)	540/1000	540/1000
	功率 Power(kw)	100	109
耕深控制方式 Tilling depth control method		力、位控制、力位综合控制、浮动控制 Force control, position control, force and position control, float control	
提升力 Lifting Force	610mm 处 At 610mm (KN)	37	37
	铰接点 Hinge point (KN)	58	58

2.9 YTO-E1754 /E1954/ELX2404

2.9 YTO-E1754 /E1954/ELX2404

**产品简介**

YTO-E1754 /E1954/ELX2404 大马力系列轮式拖拉机是中国一拖自主开发、拥有自主知识产权的大马力轮式拖拉机。其动力强劲，性能卓越，造型美观，视野开阔，适应性强，广泛用于大型农田复合作业。

采用增压空空中冷柴油机，动力强劲，节能环保；
整机自重大，牵引力大，可配套重型复合机具进行作业；
气压助力式离合器操纵机构，操控轻便；
湿式摩擦片结构的动力输出离合器和差速锁。采用电液控制技术，使用寿命长；
全封闭驾驶室，视野开阔，配备暖风、空调、MP3 音响和粉尘过滤系统，美观舒适；
配套豪华座椅：可实现前后、高低及靠背的位置调节，驾乘更舒适；
全液压转向系统，可调式方向盘，轻便舒适；
后双轮配置，驱动强劲，后轮距无极可调，适应不同作业需求；
400L 大容量燃油箱，可满足长时间连续作业。

Introduction of products

YTO-E1754/E1954/ELX2404 series high power wheeled tractors are self-developed products with independent intellectual property right, featuring strong power, excellent performance, attractive appearance, wide vision and strong adaptability, and are widely used in compound farm operations.

Intercooled supercharger system that is powerful, energy saving and environmental friendly;

Large dead weight and has traction force, which enable compound implements to be hitched on the tractor;

Air assist clutch control for easy operation;

Electro-hydraulic controlled wet PTO clutch and differential lock for increased service life;

A cab with heater, air conditioning, MP3 and dust filtering system where a sealed space and wide vision are available and OECD anti-rollover device is optional for improved driving comfort;

Equipped with luxurious seats which can be slid and vertically adjusted to the suitable sitting position.

Full hydraulic steering system coupled with adjustable steering wheel for easy operation;

Dual rear wheels with powerful drive force. Infinitely variable rear tread can meet different operation requirements;

400L fuel tank that can meet the requirements of long-term continuous operation.

性能参数
Performance specification

型号 Model		YTO-E1754	YTO-E1954	YTO-ELX2404
外形尺寸 (长 * 宽 * 高) (mm) Overall Dimension(L*W*H)(mm)		5390*2850/ 3470 (后双轮 dual rear wheels) *3450	5390*2850/ 3550 (后双轮 dual rear wheels) *3490	5430*2860 /3470 (后双轮 dual rear wheels) *3490
最小使用质量 (驾驶室) (Kg) Min. Operating Mass(with Cab) (Kg)		7400/ 8200 (后双轮 dual rear wheels)	7570/8460 (后双轮 dual rear wheels)	7900/8790 (后双轮 dual rear wheels)
最大配重质量 (前 / 后) (Kg) Max. counterweight mass (front/back)		720/360	810/360	810/360
发动机 Engine	型号 Model	SC8D190.1G2	SC8D215G2	SC9D250G2
	型式 Type	直列、四冲程、涡轮增压、空空中冷 In-line, 4-stroke, turbocharged, air-to-air cooled		
	排量 Displacement(L)	8.27	8.27	8.82
	标定功率 Rated Power (kw)	128.6	144	177
	额定转速 Rated Speed (rpm)	2200	2200	2200
变速箱 Transmission	档位 Gears(F/R)	12F+4R	12F+4R	12F+4R
	前进速度 (km/h) Forward speed (km/h)	2.25-29.06	2.38-30.69	2.00-36.69
	倒退速度 (km/h) Reverse speed (km/h)	4.25-11.47	4.44-11.99	4.44-14.48
轮胎规格 Tire	前轮 Front	14.9-28	16.9-28	16.9-28
	后轮 Rear	18.4-38	20.8-38	20.8-38
轮距 Tread	前轮 (可调)(mm) Front wheels (Adjustable) (mm)	1880-2176(1880)	1880-2176(1880)	1904-2252(1910)
	后轮 (可调)(mm) Rear wheels (Adjustable) (mm)	1750-2060(1800)	1750-2060(1800)	1780-2288(1800)
最小离地间隙 (mm) Min. Ground Clearance(mm)		429	470	470
最小转向半径 (m) Min. turning radius(m)		7±0.3	7±0.3	7±0.3
PTO	型式 Type	后置、电液独立控制 Post-mounted, electro-hydraulic independent control		
	转速 Rotation rate(rpm)	540/1000	540/1000	540/1000
	功率 Power(kw)	109	122	150
耕深控制方式 Tilling depth control method		位控制、浮动控制 Position control, floating control		
提升力 Lifting Force	610mm 处 At 610mm (KN)	36	36	47
	铰接点 Hinge point (KN)	57	57	70

2.10 东方红—LF2204

2.10 YTO-LF2204

**产品简介**

东方红—LF2204 根据国内大型农场及出口欧美发达国家需要开发，为满足大型农场及高端客户需要，在一拖法国公司 TX4A 动力换挡和电控技术平台上，进行开发具有完全自主知识产权的 220 马力大功率轮式拖拉机。该产品为旱地农业一般用途，试用于大型农场的耕、耙、收及复式作业等多种作业。产品采用康明斯电控、高压共轨增压中冷，配合一拖法国公司生产的带电控负载换挡及负载换向的传动系及闭心负荷传感电控液压提升系统、电控 PTO 及前驱动和差速锁等，整机技术含量高，有传动系控制器（TCU）、发动机控制器（ECU）、基于 CAN2.0B 的总线技术、液晶显示数字仪表、半悬浮空调豪华驾驶室等配置，散热系统采用硅油离合器风扇，经济效应好、可选装双功率发动机与传动系，为国内首创。

Introduction of products

YTO - LF2204 according to the domestic large farms and exports the European and American developed countries need to develop, to meet the large farms and high-end customer needs, in the French company YTO TX4A power shift and control technology platform, 220 horsepower wheeled tractors were developed with completely independent intellectual property rights. The product for the dryland agriculture in general use, suitable for large farms, plow, and multiple operation and other operations. Products using the Cummins electric, high pressure common rail turbocharged and Intercooled, electrical load shift of YTO French company production and transmission of load commutated cooperation and closed heart load sensing hydraulic lift system, electrical control of PTO and the front drive and differential lock, the technical content high, a transmission controller (TCU), the engine controller (ECU), bus technology, CAN2.0B liquid crystal display digital instrument, semi suspension air-conditioned Deluxe cab configuration based on silicone oil fan clutch used, cooling system, the economic effect is good, the optional dual power engine and transmission system, for domestic initiative.

性能参数**Performance specification**

驱动方式 Driving mode	4*4
外形尺寸：长 * 宽 * 高 (mm) Overall dimensions: (L*W*H) (mm)	5495*2997*3225
发动机型号 Engine Model	QSB-C240
最小使用质量 (kg) Min. Operating Mass (kg)	8600
牵引力 (kN) Traction Force (kN)	49
最大提升力 (kN) Max. lifting force (kN)	56
速度范围 (km/h) Speed Range (km/h)	1.9-36.4
动力输出转速 (r/min) PTO Rotation (r/min)	540、1000

3 履带式拖拉机

3 Kind of Product: crawler tractor

3.1 YTO-EC902

3.1 YTO-EC902



产品简介

YTO-EC902 履带式拖拉机是一拖公司根据市场需求研制开发、适用于农田作业兼顾推土作业的经济型履带式拖拉机。整机采用直列、水冷、四冲程、增压、直喷节能柴油机，油耗低，扭矩储备大，动力经济性好，排放达到国Ⅱ标准；(4F+2R)滑动齿轮换档变速箱，挡位合理适合农田作业兼顾推土作业；后桥采用新型密封结构，减少转向进油；末端传动装置采用简支梁结构，性能可靠；人性化设计的各种操纵件，液压助力转向，降低了驾驶员的劳动强度；动感、新颖、全新造型的驾驶室，并可根据用户的需要选装空调；通用化程度高，性能完善，可靠性高。

Introduction of products

YTO-EC902 is the economy crawler tractor developed by YTO group according to market demand suitable for agriculture jobs and bulldozing jobs. It is equipped with LR108 and LR110 diesel engine which is of vertical, water cooled, four stroke, direct injection combustion, high energy efficiency, low emission and large torque, the emission technology meeting to TIER II standard. It is more suitable for bulldozing operating and agriculture jobs due to its adoption of (4R+2R) sliding gear transmission. Quality built and economically priced, our crawler tractor is widely used for varieties of demands. The utilization of electric starting greatly reduces the driver's labor intensity. the tractor adopts double action and dry-type main clutch and multichip steering clutch for long life. Floating brake can improve braking performance. The newly-designed closed cab can be equipped with an air condition system so as to provide the driver with a high level of comfort. The utilization of hydraulic power steering greatly reduce the drivers labor intensity.

性能参数

Performance specification

驱动方式 Driving mode	履带式 Crawler
外形尺寸：长 * 宽 * 高 (mm) Overall dimensions: (L*W*H) (mm)	4870 × 2462 × 2766 (with dozer blade)
发动机型号 Engine Model	LR4A3Z-22
最小使用质量 (kg) Min. Operating Mass (kg)	6630 (with dozer blade)
牵引力 (kN) Traction Force (kN)	46.14
最大提升力 (kN) Max. lifting force (kN)	≥14.0
速度范围 (km/h) Speed Range (km/h)	3.67-9.03
动力输出转速 (r/min) PTO Rotation (r/min)	750

3.2 YTO-ECA902

3.2 YTO-ECA902

**产品简介**

YTO-ECA902 履带式拖拉机是一拖公司根据市场需求研制开发、适用于农田作业兼顾推土作业的经济型履带式拖拉机。整机采用直列、水冷、四冲程、直喷节能 LR108 和 LR110 系列发动机，动力强劲，节能降耗；(4F+2R) 滑动齿轮换档变速箱，挡位合理适合农田作业兼顾推土作业；整机通用化程度高，性价比高，满足不同用户的需求；整机采用电启动，降低驾驶员劳动强度；主离合器采用干式、双片、碟簧压紧、常接合式，操纵轻便，使用寿命长；末端传动采用简支梁结构，提高支撑强度，减少末端打齿；转向离合器采用多片、干式离合器；制动为浮式制动器，提高制动性能。

Introduction of products

YTO-ECA902 crawler tractor is an economic crawler tractor developed according to market by YTO used for farm field and bulldozer projects. The tractor is equipped with straight line,watercooled ,four stroke ,direct charge,energy saving .engine LR108 or LR110.It is of great power and energy saving,It adopts (4F+2R) sliding gear shift gearbox,the shift is reasonable and suitable for farm field and bulldozing.The tractor can satisfy many customers. The tractor electricity start directly can reduce the driver's tirement. The main clutch adopts dry ,double pieces,disk spring pressing ,usual –combined type,which is portable and of long lifetime.The end transmission adopts simple supporting frame ,enhances supporting strength and reduces sliding of gears.The steering clutch adopts multi-pieces,dry clutch. The brake is of floating type so as to enhances braking ability .

性能参数**Performance specification**

驱动方式 Driving mode	履带式 Crawler
外形尺寸：长 * 宽 * 高 (mm) Overall dimensions : (L*W*H) (mm)	4870 × 2462 × 2432 (with dozer blade)
发动机型号 Engine Model	LR4M5-22
最小使用质量 (kg) Min. Operating Mass (kg)	6800 (with dozer blade)
牵引力 (kN) Traction Force (kN)	45.6
最大提升力 (kN) Max. lifting force (kN)	≥12.8
速度范围 (km/h) Speed Range (km/h)	3.67-9.03
动力输出转速 (r/min) PTO Rotation (r/min)	750

3.3 YTO-EC1002

3.3 YTO-EC1002



产品简介

YTO-EC1002 履带式拖拉机是一拖公司根据市场需求研制开发、适用于农田作业兼顾推土作业的经济型履带式拖拉机。整机采用直列、水冷、四冲程、直喷节能柴油机，油耗低，扭矩储备大，动力经济性好，排放达到国Ⅱ标准；（4F+2R）滑动齿轮换档变速箱，挡位合理适合农田作业兼顾推土作业；后桥采用新型密封结构，减少转向进油；末端传动装置采用简支梁结构，性能可靠；人性化设计的各种操纵件，液压助力转向，降低了驾驶员的劳动强度；动感、新颖、全新造型的驾驶室，并可根据用户的需要选装空调；通用化程度高，性能完善，可靠性高。

Introduction of products

YTO-EC1002 is the economy crawler tractor developed by YTO group according to market demand suitable for agriculture jobs and bulldozing jobs. It is equipped with LR108 and LR110 diesel engine which is of vertical, water cooled, four stroke, direct injection combustion, high energy efficiency , low emission and large torque, the emission technology meeting to TIER II standard. It is more suitable for bulldozing operating and agriculture jobs due to its adoption of (4R+2R) sliding gear transmission. Quality built and economically priced, our crawler tractor is widely used for varieties of demands. The utilization of electric starting greatly reduces the driver's labor intensity. the tractor adopts double action and dry-type main clutch and multichip steering clutch for long life. Floating brake can improve braking performance. The newly-designed closed cab can be equipped with an air condition system so as to provide the driver with a high level of comfort. The utilization of hydraulic power steering greatly reduce the drivers labor intensity.

性能参数

Performance specification

驱动方式 Driving mode	履带式 Crawler
外形尺寸：长 * 宽 * 高 (mm) Overall dimensions: (L*W*H) (mm)	4870×2462×2766 (with dozer blade)
发动机型号 Engine Model	LR4B5-22
最小使用质量 (kg) Min. Operating Mass (kg)	6890 (with dozer blade)
牵引力 (kN) Traction Force (kN)	46.41
最大提升力 (kN) Max. lifting force (kN)	≥14.0
速度范围 (km/h) Speed Range (km/h)	3.67-9.03
动力输出转速 (r/min) PTO Rotation (r/min)	750

3.4 YTO-E1102

3.4 YTO-E1102

**产品简介**

YTO-E1102履带式拖拉机是一拖公司根据市场需求研制开发、适用于大面积农田作业，同时兼顾土方工程作业的经济型履带式拖拉机。整机采用直列、水冷、四冲程、直喷节能发动机，功率大，油耗低、启动性能好，寿命长，排放达到国Ⅱ标准；啮合套换档（6F+2R）变速箱，提高可靠性，降低操纵力；主离合器采用干式、双片、碟簧压紧常接合式，操纵力小，外置小制动器调整方便，制动器为双向浮式制动器，既提高了制动能力，又适应了上、下坡地的制动要求；零部件通用性好，牵引力大，作业效率高，特别适用于大面积农田作业及土方工程作业；可选装橡胶履带提高路面通过性能，方便转场作业；直接电启动，转向操纵采用液压助力器，转向操纵轻便省力；全封闭驾驶室，装有顶置式暖风机，也可选装空调装置；主驾驶座为活动扶手悬架式、高度可调的弹性座椅；操纵杆件及仪表按人机工程设计，驾驶操作更加舒适。

性能参数**Introduction of products**

YTO-E1102 crawler tractor is an economic crawler tractor developed according to market by YTO used for big farm field and excavation projects. The tractor is equipped with straight line, watercooled, four stroke, turbo, direct charge, energy saving engine, its emission reached National Stage II. The (6F+2R) engagement sleeve transmission is utilized for high reliability and low operating force, thus improving the operating efficiency of this crawler tractor. The main clutch adopts dry, double pieces, disk spring pressing, enhances braking ability. The spare parts has good matchment. The tractor has good traction force and operation efficiency, especially suitable for big field and excavation operation. Rubber crawler is opt for road passing ability and rounding operation. The tractor electricity start directly. The steering hydraulic adopts hydraulic booster. The steering operation is convenient and labour saving. The new enclosed cab can install heater and air conditioner. The main seat in cab is mobile handle, suspension frame. The operation parts and instruments are design according to human being-machine project design, the cab is more comfortable.

Performance specification

驱动方式 Driving mode	履带式 Crawler
外形尺寸：长 * 宽 * 高 (mm) Overall dimensions: (L*W*H) (mm)	4443×1850×2940 (Without dozer blade)
发动机型号 Engine Model	LR6A3-23
最小使用质量 (kg) Min. Operating Mass (kg)	6800 (Without dozer blade)
牵引力 (kN) Traction Force (kN)	46.8
最大提升力 (kN) Max. lifting force (kN)	≥13.4
速度范围 (km/h) Speed Range (km/h)	3.78-10.55
动力输出转速 (r/min) PTO Rotation (r/min)	540/1000

3.5 YTO-E1302

3.5 YTO-E1302



产品简介

YTO-E1302 履带式拖拉机是一拖公司根据市场需求研制开发、适用于大面积农田作业，同时兼顾土方工程作业的经济型履带式拖拉机。整机采用直列、水冷、四冲程、直喷节能发动机，功率大，油耗低、启动性能好，寿命长，排放达到国Ⅱ标准；啮合套换档（6F+2R）变速箱，提高可靠性，降低操纵力；主离合器采用干式、双片、碟簧压紧常接合式，操纵力小，外置小制动器调整方便，制动器为双向浮式制动器，既提高了制动能力，又适应了上、下坡地的制动要求；零部件通用性好，牵引力大，作业效率高，特别适用于大面积农田作业及土方工程作业；可选装橡胶履带提高路面通过性能，方便转场作业；直接电启动，转向操纵采用液压助力器，转向操纵轻便省力；全封闭驾驶室，装有顶置式暖风机，也可选装空调装置；主驾驶座为活动扶手悬架式、高度可调的弹性座椅；操纵杆件及仪表按人机工程设计，驾驶操作更加舒适。

Introduction of products

YTO-E1302 crawler tractor is an economic crawler tractor developed according to market by YTO used for big farm field and excavation projects. The tractor is equipped with straight line, watercooled, four stroke, turbo, direct charge, energy saving engine, its emission reached National Stage II. The (6F+2R) engagement sleeve transmission is utilized for high reliability and low operating force, thus improving the operating efficiency of this crawler tractor. The main clutch adopts dry, double pieces, disk spring pressing, enhances braking ability. The spare parts has good matchment. The tractor has good traction force and operation efficiency, especially suitable for big field and excavation operation. Rubber crawler is opt for road passing ability and rounding operation. The tractor electricity start directly. The steering hydraulic adopts hydraulic booster. The steering operation is convenient and labour saving. The new enclosed cab can install heater and air conditioner. The main seat in cab is mobile handle, suspension frame. The operation parts and instruments are design according to human being – machine project design, the cab is more comfortable.

性能参数

Performance specification

驱动方式 Driving mode	履带式 Crawler
外形尺寸：长 * 宽 * 高 (mm) Overall dimensions: (L*W*H) (mm)	4443 × 1850 × 2940 (Without dozer blade)
发动机型号 Engine Model	LR6B5-23
最小使用质量 (kg) Min. Operating Mass (kg)	6800 (Without dozer blade)
牵引力 (kN) Traction Force (kN)	46
最大提升力 (kN) Max. lifting force (kN)	≥13.4
速度范围 (km/h) Speed Range (km/h)	4.51-12.59
动力输出转速 (r/min) PTO Rotation (r/min)	540/1000

3.6 YTO— EC1302

3.6 YTO- EC1302

**产品简介**

YTO-EC1302 履带式拖拉机是一拖公司根据市场需求研制开发、适用于以犁、耙为主要作业，兼顾推土进行整机优化，调整整机重心位置，提高整机提升力的经济型履带式拖拉机。整机采用直列、水冷、四冲程、增压、直喷节能发动机，动力强劲，节能降耗油耗低，扭矩储备大，动力经济性好，排放达到国Ⅱ标准；啮合套换档（6F+2R）变速箱，提高可靠性，降低操纵力；主离合器采用14''摩擦片，带减震弹簧，寿命提高；优化中央传动结构，提高可靠性，采用新型摩擦材料转向离合器，提高转向离合器寿命；操纵机构人性化优化布置，同时采用自润滑轴套，减少操纵摩擦，降低了操纵力，减少了保养点；强化悬挂机构的提升臂，提高悬挂系统可靠性；劲感、新颖、全新造型的驾驶室，并可根据用户的需要选装空调；可选装橡胶履带提高路面通过性能，方便转场作业。

Introduction of products

YTO-EC1302 crawler tractor is an economic crawler tractor developed according to market by YTO used for plough, harrow working and dozing .It adjusts centre of gravity and enhances lifting force. The tractor is equipped with straight line,watercooled ,four stroke ,turbo ,direct charge,energy saving engine,its emission reached National Stage II.The (6F+2R) engagement sleeve transmission is utilized for high reliability and low operating force,thus improving the operating efficiency of this crawler tractor.The main clutch adopts 14-inch friction plate for long lifetime.The transimmision ratio has been adjusted to reduce the load of the steering clutch.The ergonomic design of this tractor helps achieve effortless operations.The digital dashboard,coupled with the new enclosed cab which can be equipped with an air conditioning system ,helps provide the driver with more convenient and comfort.Rubber crawler is opt for road passing ability and rounding operation.

性能参数**Performance specification**

驱动方式 Driving mode	履带式 Crawler
外形尺寸：长 * 宽 * 高 (mm) Overall dimensions: (L*W*H) (mm)	5367×2462×2910 (with dozer blade)
发动机型号 Engine Model	LR6A3Z - 23
最小使用质量 (kg) Min. Operating Mass (kg)	7300 (with dozer blade)
牵引力 (kN) Traction Force (kN)	49.3
最大提升力 (kN) Max. lifting force (kN)	≥14.6
速度范围 (km/h) Speed Range (km/h)	3.5-13.13
动力输出转速 (r/min) PTO Rotation (r/min)	540/1000

3.7 YTO-EC1402

3.7 YTO-EC1402



产品简介

YTO-EC1402 履带式拖拉机是一拖公司根据市场需求研制开发、适用于以犁、耙为主要作业，兼顾推土进行整机优化，调整整机重心位置，提高整机提升力的经济型履带式拖拉机。整机采用直列、水冷、四冲程、增压、直喷节能发动机，动力强劲，节能降耗油耗低，扭矩储备大，动力经济性好，排放达到国Ⅱ标准；啮合套换档（6F+2R）变速箱，提高可靠性，降低操纵力；主离合器采用14''摩擦片，带减震弹簧，寿命提高；优化中央传动结构，提高可靠性，采用新型摩擦材料转向离合器，提高转向离合器寿命；操纵机构人性化优化布置，同时采用自润滑轴套，减少操纵摩擦，降低了操纵力，减少了保养点；强化悬挂机构的提升臂，提高悬挂系统可靠性；劲感、新颖、全新造型的驾驶室，并可根据用户的需要选装空调；可选装橡胶履带提高路面通过性能，方便转场作业。

Introduction of products

YTO-EC1402 crawler tractor is an economic crawler tractor developed according to market by YTO used for plough, harrow working and dozing .It adjusts centre of gravity and enhances lifting force. The tractor is equipped with straight line,watercooled ,four stroke ,turbo ,direct charge,energy saving engine,its emission reached National Stage II.The (6F+2R) engagement sleeve transmission is utilized for high reliability and low operating force,thus improving the operating efficiency of this crawler tractor.The main clutch adopts 14-inch friction plate for long lifetime.The transimmision ratio has been adjusted to reduce the load of the steering clutch.The ernonomic design of this tractor helps achieve effortless operations.The digital dashboard,coupled with the new enclosed cab which can be equipped with an air conditioning system ,helps provide the driver with more convenient and comfort.Rubber crawler is opt for road passing ability and rounding operation.

性能参数

Performance specification

驱动方式 Driving mode	履带式 Crawler
外形尺寸：长 * 宽 * 高 (mm) Overall dimensions: (L*W*H) (mm)	5367×2462×2910 (with dozer blade)
发动机型号 Engine Model	LR6A3Z - 22
最小使用质量 (kg) Min. Operating Mass (kg)	7300 (with dozer blade)
牵引力 (kN) Traction Force (kN)	49.3
最大提升力 (kN) Max. lifting force (kN)	≥14.6
速度范围 (km/h) Speed Range (km/h)	3.71-13.90
动力输出转速 (r/min) PTO Rotation (r/min)	540/1000

3.8 YTO-EC1502

3.8 YTO-EC1502



产品简介

YTO-EC1502 履带式拖拉机是一拖公司根据市场需求研制开发、适用以大面积农田作业为主，整机提升力大，可配装不同农具可进行耕、整、耙、播等作业项目，配装推土铲也可兼顾推土作业，用于农田水利建设的经济型履带式拖拉机。整机采用直列、水冷、四冲程、增压、直喷节能发动机，功率大，油耗低、启动性能好，寿命长，排放达到国Ⅱ标准；14' 干式双片碟簧压紧主离合器，摩擦片带减震弹簧，扭矩传递可靠，寿命长；(2+1) × 4 组成式啮合套换档变速箱，加大了齿轮中心距，使齿轮强度大大提高；变速箱壳体大，润滑液容积大，散热好；速度匹配合理，作业档位宽，满足不同土壤农田作业，可靠性高；采用技术成熟的湿式转向离合器结构，寿命长，扭矩传递可靠；操纵机构采用自润滑轴承，减少保养点，降低操纵力；新造型驾驶室，可根据用户的需要选装空调；可选装橡胶履带提高路面通过性能，方便转场作业。

Introduction of products

YTO-EC1502 crawler tractor is researched and developed by YTO according to market demands mainly for large area farmland. This model has powerful lifting force, can match with various implements for plowing, soil preparation, harrowing, and seeding, etc. YTO-EC1502 crawler tractor can also be installed dozer blade for bulldozing operation. It is an economical crawler tractor used in building farm land and irrigation works. YTO-EC1502 crawler tractor is installed in line, liquid-cooling, 4-stroke, turbocharged, direct-injection diesel engine, with strong power, low fuel consumption, good starting performance, long service life, the emission can meet the requirements of National Secondary Standard. 14" dry, main clutch pressed by double disc springs, friction plate with damper spring, reliable torsion transmission, long service lift. (2+1)×4 combined gear box shifted by engagement sleeve, enlarged center distance between gears, which improves the strength of gear greatly. Gear box with big case, containing more lubrication, cooling efficiently. Reasonable speed match, wide range of gears, which can meet the operating requirements of various types of soil with high reliability. Wet steering clutch with mature technology, long service life, and reliable torsion transmission. Self-lubricating bearing for control mechanism, reducing maintenance points, saving the operating force. New styling cabin, air conditioner can be an option according to user's demand. Rubber track shoes as option for increasing the passing ability on road, easy to change the working location.

性能参数

Performance specification

驱动方式 Driving mode	履带式 Crawler
外形尺寸：长 * 宽 * 高 (mm) Overall dimensions: (L*W*H) (mm)	5344 × 1835 × 2910 (Without dozer blade)
发动机型号 Engine Model	LR6M3Z - 22
最小使用质量 (kg) Min. Operating Mass (kg)	7400 ((Without dozer blade))
牵引力 (kN) Traction Force (kN)	52.94
最大提升力 (kN) Max. lifting force (kN)	≥14.6
速度范围 (km/h) Speed Range (km/h)	3.9-13.6
动力输出转速 (r/min) PTO Rotation (r/min)	540/720

3.9 YTO-EC1952E

3.9 YTO-EC1952E



产品简介

YTO-EC1952E 履带式拖拉机是一拖公司根据市场需求研制开发、适用大面积农田作业为主，整机提升力大，可配装不同农具可进行耕、整、耙、播等作业项目，主要适用于垦区、农场、种粮大户等进行犁、耕、耙、播、松及复式作业的经济型履带式拖拉机。整机采用直列、水冷、四冲程、增压、直喷节能 YM6K5LFH-22 柴油机，启动性能好，节能降耗；(3+1) × 4 组成式啮合套换档变速箱，湿式转向离合器后桥，作业范围广、可靠性高；扭杆减震行走系，承载能力强，减振效果好；电控独立式动力输出，操作方便；负荷敏感液压系统，控制精确，能耗低；电控悬挂系统，具有力调节、位调节和力位综合调节功能，使用方便；全新造型的驾驶室，美观大方，标配空调。可选装橡胶履带提高路面通过性能，方便转场作业。

Introduction of products

YTO-EC1952E crawler tractor is researched and developed by YTO according to market demands mainly for large area farmland. This model has powerful lifting force, can match with various implements for plowing, soil preparation, harrowing, and seeding, etc. YTO-C1602E is an economical crawler tractor which is widely used in reclamation area, farm, and by influential farmers for plowing, tilling, harrowing, seeding, scarifying soil and multiple operations. YTO-C1602E crawler tractor is installed YM6K5LFH-22 diesel engine, which is in line, liquid-cooling, 4-stroke, turbocharged, direct-injection, with good starting performance and low fuel consumption,(3+1)×4 combined gear box shifted by engagement sleeve and rear axle with wet steering clutch. Suitable for working in wide range and reliability is high. Torsion-bar damping walking system with strong loading capacity and good damping effect; Electronic controlled independent PTO, convenient for operating; load-sensitive hydraulic system, precise control and low power consumption; electronic controlled suspension system with draft adjustment, position adjustment, draft and position combined adjustment, which makes the operating be convenient; New designed cabin which is good-looking and decent with air conditioner as standard configuration. Rubber track shoes as option for increasing the passing ability on road, easy to change the working location.

性能参数

Performance specification

驱动方式 Driving mode	履带式 Crawler
外形尺寸：长 * 宽 * 高 (mm) Overall dimensions: (L*W*H) (mm)	6200 × 2080 × 3250
发动机型号 Engine Model	YM6K5LFH-22
最小使用质量 (kg) Min. Operating Mass (kg)	9500
牵引力 (kN) Traction Force (kN)	68.8
最大提升力 (kN) Max. lifting force (kN)	≥35
速度范围 (km/h) Speed Range (km/h)	4.29-16.45
动力输出转速 (r/min) PTO Rotation (r/min)	540/750

4 收获机械

4 harvester

4.1 东方红 -4LZ-9 谷物联合收割机

4.1 YTO-4LZ-9 Grain combine harvester



产品简介

东方红 -4LZ-9 谷物联合收割机是一拖公司精心研制开发的一款大型联合收割机，针对水稻等作物的种植特点，采用切流式脱粒滚筒加板齿式纵向双轴流分离滚筒的结构，特别适合高产量、青杆潮湿水稻收割作业。该机型的脱粒、分离性能强，谷物的破碎率低。以收获水稻、小麦为主，更换相应功能部件后还可收获大豆等作物，真实的实现了“一机多用”，同时超高的作业性能是收获种子地的理想机型。

Introduction of products

YTO-4LZ-9 grain combine is of large-sized, carefully developed by YTO, according to the characteristics of rice and other crops. It comes with tangential threshing cylinder with board-tooth longitudinal double axial flow separating cylinder, for increased yield and green stem wet harvesting operations. This machine has strong threshing and separating performance and low percentage of broken grain. It is mainly used for rice and wheat harvesting, which when replacing corresponding functional components, can also harvest such crops as soybeans. Its versatility makes itself an ideal solution for harvesting seeds.

性能参数

序号	项目		单位	设计值
1	驱动形式		/	机械四驱动
2	发动机额定功率		kW	162 (220 马力)
3	发动机额定转速		r/min	2200
4	工作状态外形尺寸 (长 × 宽 × 高)		mm	9300 × 4900 × 4050
5	结构质量		kg	10000
6	割台宽度		mm	4500
7	喂入量		kg/s	9
8	理论作业速度		km/h	2~5
9	作业小时生产率		hm ² /h	1.5~2.5
10	单位面积燃油消耗量		kg/hm ²	≤32
11	切流滚筒尺寸 (外径 × 长度)		mm	550 × 1280 钉齿式
12	轴流滚筒个数		/	板齿式 × 2 个
13	轴流滚筒尺寸		mm	496 × 3365
14	风扇型式		/	贯流式
15	轮胎规格	导向轮	/	14.9-24
		驱动轮	/	28L-26
16	粮箱容积		m ³	6
17	卸粮高度		m	4.3
18	清扫面积		M ²	4.3

Performance specification

S/N	Item		Unit	Design Value
1	Drive type		/	Mechanic 4WD
2	Rated engine power		kW	162 (220 Hp)
3	Rated engine speed		r/min	2200
4	Operating state dimensions (L × W × H)		mm	9300 × 4900 × 4050
5	Mass		kg	10000
6	Header width		mm	4500
7	Feeding amount		kg/s	9
8	Theoretical operation speed		km/h	2~5
9	Working hour productivity		hm ² /h	1.5~2.5
10	Fuel consumption per unit area		kg/hm ²	≤32
11	Size of tangential cylinder (outer diameter × length)		mm	550 × 1280 toothed
12	Number of axial-flow cylinders		/	Board-tooth × 2
13	Size of axial-flow cylinders		mm	496 × 3365
14	Fan type		/	Tubular
15	Tyre	Guide wheel	/	14.9-24
		Driving wheel	/	28L-26
16	Grain tank capacity		m ³	6
17	Unloader height		m	4.3
18	Cleaning area		M ²	4.3

4.2 东方红 -4YZ-6 玉米籽粒收获机 4.2 YTO-4YZ-6 Corn Harvester



产品简介

东方红 4LZ-5.5/4LZ-5.0A 全喂入履带式谷物联合收割机是一拖公司最新研制的一款谷物联合收割机，该机型行走系统为履带式，适合于旱田、水田等多种地形的收割。配备大排量无级变速器，加强型高速变速箱，整机作业速度更快；纵向、加长型脱粒滚筒，加宽，加长型振动筛，脱粒效果好，效率高；标配 90mm×53 节 × 450mm 履带，底盘离地间隙高，接地比压小，整车适应性，通过性更好；优化割台设计，特别适合收割倒伏作物。

Introduction of products

YTO 4LZ-5.5/4LZ-5.0A full feed crawler combine is a newly developed model with crawlers as parts of its walking system. It is suitable for harvesting in various terrains such as dry fields and paddy fields. The large displacement CVT with reinforced structure and high speed makes the operation more efficient; the longitudinal and extended threshing cylinder, coupled with widened and lengthened vibrating screen for optimized threshing effect. Besides, it comes with 90mm×53 sections ×450mm crawler belt as a standard and high ground clearance, reducing the ground pressure while increasing the vehicle adaptability and trafficability. The optimized header is especially suitable for harvesting lodging crops.

性能参数

序号	项目		单位	设计值
1	发动机	型号	/	YC6B160Z-T20
		额定功率	千瓦	133
		额定转速	转/分钟	2200
2	外形尺寸(长×宽×高)		毫米	9800×4200×3800
3	结构质量		千克	9000
4	工作行数		行	6
5	适用行距范围		毫米	650
6	工作幅宽		毫米	4000
7	最大卸果穗高度		毫米	/
8	果穗升运器最大通过高度		毫米	/
9	最小离地间隙		毫米	540
10	最小通过半径	左转	毫米	8000
		右转		8000
11	理论作业速度		千米/小时	2-7
12	作业小时生产率		公顷/小时	1.0-1.6
13	单位面积燃油消耗量		千克/小时 ²	24-60
14	变速箱类型		/	机械变速箱加液压无级变速器
15	轮距	导向轮	毫米	2650
		驱动轮		2806
16	轮胎规格	导向轮	/	14.9-24
		驱动轮	/	28L-26

Performance specification

S/N	Item		Unit	Design Value
1	Engine	Model	/	YC6B160Z-T20
		Rated power	kw	133
		Rated speed	r/min	2200
2	Overall dimensions (L × W × H)		mm	9800 × 4200 × 3800
3	Mass		kg	9000
4	Number of rows		Row	6
5	Adapted spacing range		mm	650
6	Working width		mm	4000
7	Max. ear unloading height		mm	/
8	Max. passing height of ear elevator		mm	/
9	Min. ground clearance		mm	540
10	Min. passing radius	Left cornering	mm	8000
		Right cornering		8000
11	Theoretical operation speed		Km/h	2-7
12	Working hour productivity		ha./h	1.0-1.6
13	Fuel consumption per unit area		kg/h ²	24-60
14	Transmission type		/	Mechanical speed change + hydraulic stepless speed change
15	Tread	Guide wheel	mm	2650
		Driving wheel		2806
16	Tyre	Guide wheel	/	14.9-24
		Driving wheel	/	28L-26

4.3 东方红 4LZ-5.5/4LZ-5.0A 全喂入履带式谷物联合收割机 4.3 YTO 4LZ-5.5/4LZ-5.0A Full Feed Crawler Combine



产品简介

东方红 4YZ-6 型玉米籽粒收获机是一拖公司精心研制开发的一款大型玉米籽粒收获机，采用了纵向单轴流脱粒分离机构，该机构特别适合玉米脱粒与分离，降低了玉米籽粒的破碎率，从根本上解决了收获玉米时籽粒破碎、脱不净、分离损失大和效率低的技术难题，具有较高的性价比。

Introduction of products

YTO 4YZ-6 corn harvester is of large-sized, carefully developed by YTO. It comes with longitudinal single axial flow threshing and separating unit, and is especially suitable for corn threshing and separating with reduced percentage of broken corn kernel. With this machine, such technical problems as broken kernel, incomplete threshing, separation loss and low efficiency are solved fundamentally, thus making it a product with higher attainability.

性能参数

整机质量 kg	3600	3550
外形尺寸 mm	5885 × 2650 × 2820	5885 × 2650 × 2820
工作幅宽 mm	2200	2000
喂入量 kg/s	5.5	5
发动机功率 kw	74.5	74.5
粮箱容积 m³	1.3	1.3
最小离地间隙 mm	300	300
轨距 mm	1200	1200
履带节距 × 节数 × 宽	90mm × 53 节 × 450mm	90mm × 53 节 × 450mm
履带接地压力 kPa	≤ 24	≤ 24
作业速度 km/h	0~8.35	0~8.35
作业小时生产率 hm²/h	0.25~0.6	0.25~0.6
总损失率%	≤1.2	≤1.2
变速箱形式	机械变速 + 液压无极变速	机械变速 + 液压无极变速
卸粮方式	多角度自动卸粮	多角度自动卸粮

Performance specification

Gross mass kg	3600	3550
Overall dimensions mm	5885 × 2650 × 2820	5885 × 2650 × 2820
Working width mm	2200	2000
Feeding amount kg/s	5.5	5
Engine power kw	74.5	74.5
Grain tank capacity m³	1.3	1.3
Min. ground clearance mm	300	300
Gauge mm	1200	1200
Crawler pitch × number of pitch × width	90mm × 53 sections × 450mm	90mm × 53 sections × 450mm
Crawler ground pressure kPa	≤ 24	≤ 24
Operating speed km/h	0~8.35	0~8.35
Working hour productivity hm²/h	0.25~0.6	0.25~0.6
Total loss rate %	≤1.2	≤1.2
Transmission type	Mechanical speed change + hydraulic stepless speed change	Mechanical speed change + hydraulic stepless speed change
Unloading method	Multi-angle automatic unloading	Multi-angle automatic unloading

4.4 东方红 4LZ-8B1

4.4 YTO 4LZ-8B1



产品简介

东方红 4LZ-8B1 是一拖公司主打的一款谷物联合收割机，适用于农场和中小地块小麦的收获作业，通过更换功能部件，还可实现大豆、玉米籽粒的收获。一机多用，结构紧凑，性能可靠，技术先进。成熟的脱粒分离技术，配合组合式滚筒，性能稳定、安全可靠、脱粒分离更彻底，清选效率高。

Introduction of products

YTO 4LZ-8B1 is this company's main grain combine, suitable for wheat harvesting in farms and small and medium plots. It can also harvest soybeans and corns by replacing functional components. The machine features versatility, compact structure, reliable performance and advanced threshing and separating technology, and when matched with combined cylinders, it can achieve an exciting threshing, separation and cleaning effect as a result of its excellent performance, safety and reliability.

性能参数

功率 kw	128.7
工作幅宽 mm	2750/2620
喂入量 kg/s	8
作业速度 km/h	1.7~8.2
作业小时生产率 hm ² /h	0.4~0.96
粮箱容积 m ³	2.3
整机重量 kg	5600
外形尺寸 (长 * 宽 * 高) mm	7080*3100*3360
最小离地间隙 mm	280
最小通过半径 mm	7240
驱动轮轮距 mm	1897
导向轮轮距 mm	1750
轴距 mm	2765
变速箱类型	机械变速 + 液压无级变速
制动器型式	钳盘式
总损失率 %	≤1.2
破碎率 %	≤1.0
含杂率 %	≤2.0

Performance specification

Power kw	128.7
Working width mm	2750/2620
Feeding amount kg/s	8
Operating speed km/h	1.7~8.2
Working hour productivity hm ² /h	0.4~0.96
Grain tank capacity m ³	2.3
Gross mass kg	5600
Overall dimensions (L*W*H) mm	7080*3100*3360
Min. ground clearance mm	280
Min. passing radius mm	7240
Driving wheel tread mm	1897
Guide wheel tread mm	1750
Axis distance mm	2765
Transmission type	Mechanical speed change + hydraulic stepless speed change
Brake type	Caliper
Total loss rate %	≤1.2
Percentage of broken grain %	≤1.0
Percentage of impurities %	≤2.0

4.5 东方红 4YZ-3D1 / 4YZ-4D2 自走式玉米收获机

4.5 YTO 4YZ-3D1/4YZ-4D2 Self-propelled Corn Harvester



产品简介

东方红 4YZ-3D1/4YZ-4D2 — 拖公司主销的 3 行 /4 行自走轮式玉米收获机，侧重于玉米成熟早、中期果穗收获作业。该产品可一次完成玉米作物的摘穗、输送、剥皮、装箱、玉米籽粒回收、秸秆粉碎还田的全过程作业。无极变速行走系统，操作简单，安全、可靠。

Introduction of products

YTO 4YZ-3D1/4YZ-4D2 self-propelled wheeled corn harvester for 3/4 rows is a main product of this company, focused on corn harvesting during its early and middle maturation period. The harvester is capable of ear picking, conveying, peeling, boxing, corn grain recovery, straw crushing and returning to the field at one time. The stepless speed change walking system is simple to operate, safe and reliable.

性能参数

型号	4YZ-3D1	4YZ-4D2
外形尺寸(长×宽×高) mm	6700×2360×3355	6830×2745×3460
功率 KW	118	147
工作行数	3	4
工作幅宽 mm	1750	2320
整机质量 kg	6400	7500
作业速度 km/h	1.55~7	1.55~7
作业小时生产率 h m ² /h	0.2~0.5	0.27~0.5
单位面积燃油消耗量 kg/h m ²	≤ 40	≤ 40
最小离地间隙 mm	300	280
摘穗台通道间距 mm	580	580
适应行距范围 mm	400 ~ 650	400 ~ 650
粮箱容积 m ³	2	2
籽粒总损失率	< 2%	< 2%
理论作业速度 km/h	1.55~7	1.55~7
制动器型式	钳盘式	钳盘式
导向轮轮距 mm	1285	1895
轴距 mm	3000	3035

Performance specification

Model	4YZ-3D1	4YZ-4D2
Overall dimensions (L × W × H) mm	6700 × 2360 × 3355	6830 × 2745 × 3460
Power KW	118	147
Number of rows	3	4
Working width mm	1750	2320
Gross mass kg	6400	7500
Operating speed km/h	1.55~7	1.55~7
Working hour productivity h m ² /h	0.2~0.5	0.27~0.5
Fuel consumption per unit area kg/h m ²	≤ 40	≤ 40
Min ground clearance mm	300	280
Spacing between ear pick-up table channels mm	580	580
Adapted row spacing rang mm	400 ~ 650	400 ~ 650
Grain tank capacity m ³	2	2
Total loss rate	< 2%	< 2%
Theoretical operating speed km/h	1.55~7	1.55~7
Brake type	Caliper	Caliper
Guide wheel tread mm	1285	1895
Wheelbase mm	3000	3035

5 机具产品

5 Machinery products

5.1 东方红 1GQN-160D 系列旋耕机

5.1 YTO 1GQN-160D Series rotary tiller



产品简介

东方红旋耕机变速箱内装高强度齿轮，使拖拉机 TPO 输出与旋耕机动力输入呈水平状态，极大地延长了传动轴的使用寿命；拖板采用全新流线型设计，加厚板材生产、平地效果更好、使用寿命更长；使用全新一体式机架使整机传动更牢靠；采用新式轴承座提高密封性能；配套新型材料旋耕刀，使用寿命大大延长。

Introduction of products

Fitted with high-strength gears, the gearbox in YTO rotary tiller makes the tractor TPO output parallel to power input of tiller, prolonging the life span of drive shaft. In addition, the streamlined trailing plate is made of thick sheet metals, featuring better flattening effect and longer service life. Moreover, a new integrated frame makes the power transmission more reliable, the bearing seat has improved sealing performance, and rotary blade made of new materials greatly prolongs the service life of tiller.

性能参数

Performance specification

型号 Model	1GQN-160D	1GQN-200Z	1GQN-230Z	1GQQN-250GG	1GQN-280K	1GQN-300K
配套动力 (马力) Matched power (Hp)	50-60	70-95	80-100	100-130	130-170	160-200
中间齿轮传动中心距 Center distance of intermediate gears (mm)	381	420	420	534.5	573	580
分体式刀轴 Separate tiller blade shaft	Φ 80	Φ 80	Φ 80	Φ 89	Φ 102	Φ 102

5.2 东方红 1S-300W 深松机 5.2 YTO 1S-300W Subsoiler



产品简介

东方红 1S-300W 深松机具备单一深松功能的深松机具，采用高强度硼钢材质独特的“弧面倒梯形”深松铲，作业时不打乱土层、不翻土，实现全方位深松，形成贯通作业行的“鼠道”，松后地表平整，保持植被的完整性，适应任何地块作业。

Introduction of products

YTO 1S-300W subsoiler has single subsoiling function and adopts "arc-surface inverted trapezoid" subsoiling shovel made of high-strength boron steel. During operation, it does not disturb soil layer or turn over soil, realizing all-round subsoiling and forming a "rat path" throughout the operation line. The loosened surface is flat, maintaining the integrity of vegetation. In all, it is suitable for any plot.

性能参数

型号	1S-300W	
结构型式	悬挂式	
振动方式	非振动式	
配套动力范围 (kW)	102.9 ~ 147.1	
工作状态外形尺寸 (mm) (长 × 宽 × 高)	1924×3084×1437	
作业速度 (km/h)	3 ~ 6	
作业小时生产率 (hm ² /h)	0.72 ~ 1.44	
工作幅宽 (cm)	300	
铲间距 (cm)	45、45、75、45、45	
深松铲	结构型式	偏柱式
	排列方式	前后排列
	数量	6
深松深度 (cm)	≥ 30	
悬挂类型 (适用悬挂式)	二、三类	
单铲幅宽 (cm)	15	
运输间隙 (mm)	≥ 300	
质量 (kg)	800	

Performance specification

Model	1S-300W	
Structure types	Suspension	
Vibration type:	Non-vibration	
Matched power range (kW)	102.9 ~ 147.1	
Overall dimensions at working (mm) (L × W × H)	1924×3084×1437	
Work speed (km/h)	3 ~ 6	
Productivity per working hour (hm ² /h)	0.72 ~ 1.44	
Working width (cm)	300	
Shovel spacing (cm)	45, 45, 75, 45 and 45	
Subsoiling shovel	Structure types	Offset column
	Arrangement type	Front and rear
	Quantity	6
Subsoiling depth (cm)	≥30	
Suspension type (for suspension type)	Types II and III	
Work width of single shovel (cm)	15	
Transportation clearance (mm)	≥300	
Mass (kg)	800	

5.3 东方红 1LF-440 系列栅条液压翻转犁

5.3 YTO 1LF-440 series grid bar hydraulic turning plow



产品简介

东方红 1LF 系列栅条液压翻转调幅犁是针对大农场开发的产品：耕作可将失去结构的表层土壤，连同地表杂草、残茬、虫卵、草籽和肥料等翻埋到沟底，将下层的良好土壤翻到上层并疏松土壤，达到消灭杂草和病虫害、改善土壤结构、提高土壤肥力的目的，为作物生长创造良好条件；采用高速犁体曲面，翻垡覆盖性能优越，作业速度快，机组作业速度最高可达 10 公里 / 小时，能耗低；单个犁体工作幅宽根据拖拉机马力有 4 个档位可调，分别是 33/38/44/50 厘米，耕作深度在 20—40 厘米可调。

Introduction of products

YTO 1LF series grid hydraulic flip modulating plough is a product developed for large farms; farming can bury the lost surface soil, together with surface weeds, debris, eggs, grass seeds and fertilizers, into the bottom of the ditch. The lower layer of good soil turns to the upper layer and loosens the soil to achieve the purpose of eliminating weeds and pests, improving soil structure and improving soil fertility, and creating favorable conditions for crop growth. The high-speed plow surface is used to provide superior turning performance and fast operation. The working speed of the unit can be up to 10 km/h, and the energy consumption is low. The working width of the single plow body can be adjusted according to the horsepower of the tractor. The gear position is adjustable to 33/38/44/50 cm and the depth of cultivation is 20-40. The centimeter is adjustable.

性能参数

型号	1LF-440	1LF-545
外形尺寸 (长 × 宽 × 高) (mm)	4460×2200×1720	5600×2250×1750
铧数	4+4	5+5
工作幅宽 (cm)	140-180	220~280
配套动力 (Kw)	120~160	180~220
犁架高度 (cm)	80	80
整机重量 (kg)	1390	2545
犁体纵向间距 (cm)	1000	90
防过载保护装置类型	剪切螺栓	剪切螺栓
幅宽 (cm)	35/40/45	33/38/44/50
有无小副犁	有	有
犁壁板类型	栅条式	栅条式

Performance specification

Model	1LF-440	1LF-545
Overall dimensions (L × W × H) (mm)	4460×2200×1720	5600×2250×1750
Quantity of moldboard	4+4	5+5
Working width (cm)	140-180	220~280
Matched power (cm)	120~160	180~220
Plow frame height (cm)	80	80
Weight of complete machine (kg)	1390	2545
Longitudinal spacing of plow body (cm)	1000	90
Overloading protective equipment type	Shearing bolt	Shearing bolt
Work width (cm)	35/40/45	33/38/44/50
Is there a small auxiliary plow	Yes	Yes
Plow board type	Grid	Grid

5.4 东方红 1BZ 系列牵引式偏置重耙

5.4 YTO 1BZ series of tractor offset heavy-duty harrow



产品简介

东方红 1BZ 系列牵引式偏置重耙主要适用于农田耕前灭茬，破除地表板结，秸秆切碎还田，耕后碎土、平整保墒等项工作，在熟地上亦可代替犁进行土壤耕翻作业。整机结构合理，坚固耐用，耕后地表平整、土壤松碎，对黏重土壤、荒地和杂草多的地块具有较强的适应能力，是目前较先进的圆盘耙产品。

Introduction of products

It is mainly suitable for cleaning stubble, breaking of hardened soil, cutting straw and returning to the field, breaking soil after plowing, leveling and preserving soil moisture and other tasks before plowing, and can also replace a plow on cultivated land. The complete machine has a reasonable structure, featuring the stability and durability. After plowing, the surface is flat and the soil is loose and broken. Being of relatively advanced disc harrow, it has strong adaptability to heavy clay soil, wasteland and weedy patches.

性能参数

机具型号	1BZ(G)-4.0	1BZ(G)-5.3
配套动力 (马力)	160 ~ 180	180-220
外形尺寸 (长 × 宽 × 高)(mm)	6250 × 5070 × 1280	6250 × 6210 × 1280
整机重量 (kg)	2700	4500
耙幅 (m)	4.0	5.3
挂结方式	拖挂连结	拖挂连结
耙片间距 (mm)	270	270
耙片直径 (mm)	710	710
耙片数量 (片)	32	44

Performance specification

Model of farm implement	1BZ(G)-4.0	1BZ(G)-5.3
Matched power (hp)	160 ~ 180	180-220
Overall dimensions (Length × Width × Height) (mm)	6250 × 5070 × 1280	6250 × 6210 × 1280
Weight of complete machine (kg)	2700	4500
Harrow width (m)	4.0	5.3
Hitching type	Drag link	Drag link
Disc spacing (mm)	270	270
Diameter of disc blade (mm)	710	710
Quantity of discs (PCs)	32	44

5.5 东方红免耕播种机 2BMF-7/14

5.5 YTO 2BMF-7/14 no-tillage seeding drill



产品简介

东方红免耕播种机 2BMF-7/14 采用具有自主知识产权的免耕刀专利技术，有效地解决了现有国内外同类机具普遍存在的作物秸秆和根茬容易缠绕、堵塞等技术难题；该机与现有自走式稻麦收获机械成垄配套，使得小麦、玉米和豆类等农作物生产过程从种到收全程机械化，符合农业高产栽培模式，有利于农业的可持续发展。

Introduction of products

YTO no-tillage seeding drill 2BMF-7/14 is equipped with the no-tillage blades of patent technology with the independent intellectual property rights. This technology effectively solves the crop straw and stubble easy to wind and block, which are common in similar machinery home and abroad. In addition, this machine is matched with the self-propelled rice-and-wheat harvesting and ridging machine, mechanizing the complete production process from the seeding to harvesting of crops such as wheats, corns and beans. In all, this machine conforms to the high-yield cultivation mode, and is beneficial to the sustainable development of agriculture.

性能参数

机型	2BMF—7/14		
	小麦	化肥	玉米(大豆)精播 (选配)
行距株距 cm	宽 20+窄 12	32	行距 14-64 株距 6-50
行数	14 行	7 行	4 行
亩播量 kg	5 ~ 30	10 ~ 60	1.5 ~ 3.5
播种深度 cm		3 ~ 5	
施肥深度 cm		种子侧下位 3 ~ 5	
作业速度 km/h		2 ~ 5	
外形尺寸(长 × 宽 × 高) mm		1595 × 2465 × 1427	
整机重量 kg		620	
工作幅宽 cm		224	
工作效率 hm ² /h		0.45 ~ 1.12	
配套动力 kW		66.2 ~ 88.2kW(90 ~ 120 马力)	

Performance specification

Model	2BMF—7/14			
	Wheat	Fertilizer	Corn	Fertilizer
Line spacing (cm)	20+12	32	Line width: 64; seeding space: 22 ± 2 or 28 ± 2	32 or 64
Quantity of lines	7 band 14 lines		4 equal-lines	
Sowing quantity/Mu kg	3 ~ 25	10 ~ 60	3 ~ 10	5 ~ 60
Tillage depth (cm)			8 ~ 12	
Sowing depth (cm)			4 ± 1	
Fertilizing depth (cm)			Below seeding side 3 ~ 5 cm	
Blade shaft RPM			336 (Tractor PTO is 720)	
Working speed km/h			2 ~ 5	
Overall dimension (L × W × H) mm			1700 × 2430 × 1420	
Overall weight (kg)			620	
Working width (cm)			224	
Ditching type			Slippery cutting blade	
Work efficiency (hm ² /h)			0.45 ~ 1.12	
Matched power (kw)			66.2 ~ 88.2kW (90 ~ 120 hp)	

5.6 东方红 2BMQ-8 气吸式免耕播种机 5.6 YTO 2BMQ-8 suction no-till seeding drill



产品简介

东方红 2BMQ-8 气吸式免耕播种机主要适用于高速精密免耕播种作业，主要与 40—220 马力拖拉机配套使用，具有高速、高效、精密、多功能的四大优点；该机具可实现高速播种作业，最高速度可达 10km/h 以上；采用先进的深度调节机构，确保投种深度一致；采用空气负压原理，吸种投放精度极高，种子株距均匀一致性高；该系列产品可以播种玉米、大豆、高粱、葵花、骨子、糜子、花生、油菜、甜菜、白瓜、胡萝卜、马铃薯（圆种薯）、中草药等 20 多种作物。

Introduction of products

YTO 2BMQ-8 suction no-till seeding drill is mainly suitable for high-speed precision no-tillage seeding, and is mainly used in combination with 40-220hp tractor, featuring high speed, efficiency, precision and multifunction; this machine could work at as high speed as 10km/h or above; the advanced depth adjusting mechanism is adopted to make sure the consistent seeding depth; according to the adopted negative pressure principle, the suction and dropping are extremely accurate and the seed spacing is uniform and consistent; this series of products can be applied to the seeding of more than 20 crops such as corn, soybean, sorghum, sunflower, foxtail millet, broomcorn millet, peanut, rape, beet, white melon, carrot, potato (round seed potato), Chinese herbal medicine, etc.

性能参数

机型		2BMQ-8
外形尺寸	cm	183X460(560)X192(215)
整机重量	KG	1950-2140
作业行数	行	7/8
排种体形式		垂直圆盘气吸式
PTO 转速	r/min	540
风机型式		离心式
作业速度	Km/h	8-12
生产率	亩 / 小时	56/70/(64-80)
种箱容积	L	24
肥箱容积	L	350
配套动力	马力	120 以上

Performance specification

Model		2BMQ-8
Overall dimensions	cm	183X460(560)X192(215)
Complete machine weight	KG	1950-2140
Number of seeding lines	Lines	7/8
Seed metering form		Vertical, disc, air suction
PTO rpm	r/min	540
Fan type		Centrifugal
work speed	Km/h	8-12
Production	Mu/hour	56/70/(64-80)
Capacity of seed tank	L	24
Capacity of fertilizer tank	L	350
Matched power	HP	120 or above

5.7 东方红 9YFQ-2.2 方草捆打捆机

5.7 YTO 9YFQ-2.2 square bale baler



产品简介

东方红 9YFQ-2.2 系列方草捆打捆机田间作业捡拾切碎打捆一次完成；方捆压力可调，成捆率高，草捆规则；压缩室配备阻草器，能够防止被压缩的物料反弹；捡拾器高度可调，捡拾含杂质率低，捡拾效果好；主要工作部件均配备安全保护装置，能够有效保护关键零部件。适用性高，可用于田间各种牧草和稻、麦、玉米等农作物秸秆的收获。

Introduction of products

YTO 9YFQ-2.2 series of rectangular bale balers could complete the picking up, chopping and baling at one time in the field; the rectangular bale is not only adjustable in the forming pressure, but also in regular shape, and the baling rate is high; the compression chamber is equipped with a grass stopper to prevent the compressed materials from rebounding; the pickup height is adjustable and the pickup effect is good as the impurity content is low; main components are equipped with safety protection devices respectively, which can effectively protect the key parts. Moreover, the balers have wide applications, such as harvesting of forage grass, paddy, wheat, corn and the like in field.

性能参数

1	型号	/	9YFQ-2.2	9YFQ-2.2S
2	挂接方式	/	牵引式	牵引式
3	捡拾宽度	mm	2210	2210
4	捡拾器结构型式	/	弹齿式	甩刀式
5	喂入器结构型式	/	拨叉喂入机构	拨叉喂入机构
6	打结器类型	/	D型	D型
7	打结器数量	个	2	2
8	压缩室截面尺寸 (宽 × 高)	mm	460 × 360	460 × 360
9	打捆活塞往复次数	次 /min	100	100
10	工作状态外型尺寸 (长 × 宽 × 高)	mm	5100 × 2800 × 1725	5465 × 2738 × 1750
11	配套动力	kW	44.1 ~ 73.5	88.3 ~ 117.7
12	纯工作小时生产率	kg/h	2500 ~ 3500	2800 ~ 3800

Performance specification

1	Model	/	9YFQ-2.2	9YFQ-2.2S
2	Hitching type	/	Towing	Towing
3	Pickup width	mm	2210	2210
4	Pickup type and structure	/	Tine	Flail
5	Feeder structure and type	/	Fork feeding mechanism	Fork feeding mechanism
6	Knotter type	/	Type D	Type D
7	Number of knotters	PC	2	2
8	Cross section of compression chamber (width × height)	mm	460 × 360	460 × 360
9	Reciprocating numbers of baler plunger	Times/min	100	100
10	Overall dimensions (L × W × H) at working status	mm	5100 × 2800 × 1725	5465 × 2738 × 1750
11	Matched power	kW	44.1 ~ 73.5	88.3 ~ 117.7
12	Productivity per net working hour	kg/h	2500 ~ 3500	2800 ~ 3800

6 动力机械类

6 Engine

6.1 YT-A/B

6.1 YT-A/B



产品简介

技术：一拖集团在引进里卡多公司原型机技术的基础上，适应现代多领域应用对柴油机的严格要求，采用 CAD/UG 三维技术和 CAE 分析技术，对关键部位进行优化设计，全面提升柴油机的内在品质。

结构：专利技术的高强度缸体，高位下支撑湿式缸套技术，运用里卡多公司气道理论优化设计的整体式缸盖，并预留多个动力输出端口，提供更大的升级空间。

配置：匹配行业新水平的燃油喷射系统，外部组件采用模块化布置方案，具有更佳的接近性。而整机可靠性和使用经济性指标均得到大幅提高。

功率范围：17kW/1500rpm ~ 65kW/2300rpm

扭矩范围：120N.m/1600rpm ~ 360N.m/1700rpm

储备 > 20%

油耗：全负荷最低燃油耗低于 210g/kW.h。

功率适配：各类收获机械、拖拉机、工程机械、发电机组、船机等。

Introduction of products

Technology

Backed by prototype technologies of Ricardo, YTO has improved the internal quality of diesel engines by optimizing key components using CAD/UG three-dimensional technology and CAE analysis technology, to meet the strict requirements in modern multi-field applications.

Structure

The patented high-strength cylinder block comes with high-position under-support wet cylinder liners, optimized and integral cylinder head based on Ricardo's air passage theory. There are multiple power output ports for more upgrade space.

Configuration

The fuel injection system with the latest technologies and modularized external components is easier to access. The reliability and economical index of the whole machine have been greatly improved.

Power range: 17kw/1500 rpm ~ 65kw/2300 rpm

Torque range: 120 N.m/1600 rpm~360 N.m/1700 rpm torque reserve > 20%

Fuel consumption: minimum full load fuel consumption<210 g/Kw.h.

Power matched: harvesters, tractors, construction machinery, generator sets, ships.

性能参数

型式	直列直喷水冷四冲程 In-line, Direct injection, Water-Cooling, Four stroke
进气方式	自然吸气 Natural Aspirated
缸数	3 4
缸径 (mm)	105 108
行程 (mm)	120 130
排量 (L)	3.15 3.3 4.15 4.4 4.76

Performance specification

Type	In-line, Direct Injection, Water-Cooling, Four Stroke
Aspiration	Natural Aspirated
Number of Cylinder	3 4
Bore (mm)	105 108
Stroke (mm)	120 130
Displacement (L)	3.15 3.3 4.15 4.4 4.76

6.2 LR-A/B 6.2 LR-A/B



产品简介

技术：里卡多先进技术成果的经典机型，YTO 设计的针对非道路作业的优秀产品，涵盖四、六缸共四种基础机型。应用进气和燃油喷射混合控制理论，使动力性和经济性达到完美平衡。

结构：高位下支撑湿式缸套或镶入式干缸套结构，高刚性结构缸体，优化气道结构的整体式缸盖，嵌入式高效机油冷却器，具有极佳的整体刚性。

配置：运用国际最新的内燃机燃烧技术；根据主机配置需求，可提供电控单体泵和高压共轨产品，满足不同市场中细分客户的精准需求。高压共轨机型配置博世共轨燃油喷射系统，并根据非道路领域的特殊作业环境和作业特性要求，进行二次匹配开发，作业效率高，油耗低，可靠性好。

功率范围：40kW/1500rpm~128kW/2200rpm,

扭矩范围：260N.m/1600rpm~720 N.m /1700rpm, 扭矩储备 > 30%

油耗：全负荷最低燃油耗低于 201g/kW.h

功率适配：各类收获机械、拖拉机、工程机械、发电机组、船机等

Introduction of products

Technology

Combining advanced technological achievements of Ricardo and YTO design, this classic model designed for non-road operations has four basic models with four or six cylinders. The intake and fuel mixture is injected for balanced power and economy performance.

Structure

The high-position under-support wet cylinder liners or insert dry cylinder liners are structured into a high-strength cylinder block. The optimized air passage in the integral cylinder head and insert efficient oil cooler renders rigidity to the whole structure.

Configuration

The latest international combustion technology is used. According to the configuration requirements of the engine, electronic control unit pumps and high-pressure common rail products are available to meet customers requirements in different markets. The high-pressure common-rail model is equipped with Bosch common-rail fuel injection system, and has been subjected to secondary matching specific to the requirements under working environment and working characteristics in non-road fields. It boasts efficient operation, low oil consumption, and reliable performance.

Power range: 40kW/1500rpm~128kW/2200rpm,

Torque range: 260N.m/1600rpm~720 N.m /1700rpm, torque reserve > 30%

Fuel consumption: minimum full load fuel consumption < 201g/kW.h

Power matched: harvesters, tractors, construction machinery, generator sets, ships.

性能参数

型式	直列直喷水冷四冲程
进气方式	自然吸气增压增压中冷
缸数	4 6
缸径	105 108
行程	125 135
排量	4.33 4.58 4.95 6.49 6.87

Performance specification

Type	In-line, Direct Injection, Water-Cooling, Four Stroke
Aspiration	Natural Aspirated Supercharged and Intercooled
Number of Cylinder	4 6
Bore	105 108
Stroke	125 135
Displacement	4.33 4.58 4.95 6.49 6.87

6.3 LR-M

6.3 LR-M



产品简介

技术：一拖集团与里卡多公司强强联手的最新奉献。运用三维有限元设计验证分析技术，专有的气道优化设计与顶尖燃烧理论的完美结合。

结构：对缸体进行全面升级设计，裙部多弧面加强结构，采用干式缸套和活塞强制冷却技术，一体式高强度缸盖，构建了强有力的产品基础平台。

配置：运用国际最新的内燃机燃烧技术；根据主机配置需求，可提供电控单体泵和高压共轨产品，满足不同市场中细分客户的精准需求。高压共轨机型配置博世共轨燃油喷射系统，并根据非道路领域的特殊作业环境和作业特性要求，进行二次匹配开发，作业效率高，油耗低，可靠性好。

功率范围：40kW/2200rpm~177kW/2200rpm,

扭矩范围：260N.m/1600rpm~980 N.m /1700rpm, 扭矩储备> 28%

油耗：全负荷最低燃油耗低于 201g/kW.h

功率适配：各类收获机械、拖拉机、工程机械、发电机组、船机等

Introduction of products

Technology

This is the latest result of both YTO and Ricardo, which has been verified through three-dimensional finite element design analysis. It features optimized air passage conforming to the most modern combustion theory.

Structure

The cylinder block is fully upgraded in design. Its multi-curve skirt has a reinforced structure. By using the dry cylinder liner, piston forced cooling technology and integral high-strength cylinder head, this product is full of power.

Configuration

The latest international combustion technology is used. According to the configuration requirements of the engine, electronic control unit pumps and high-pressure common rail products are available to meet customers requirements in different markets. The high-pressure common-rail model is equipped with Bosch common-rail fuel injection system, and has been subjected to secondary matching specific to the requirements under working environment and working characteristics in non-road fields. It boasts efficient operation, low oil consumption, and reliable performance.

Power range: 40kW/2200rpm~177kW/2200rpm,

Torque range: 260N.m/1600rpm~980 N.m /1700rpm, torque reserve > 28%

Fuel consumption: minimum full load fuel consumption < 201g/kW.h

Power matched: harvesters, tractors, construction machinery, generator sets, ships.

性能参数

型式	直列直喷水冷四冲程
进气方式	自然吸气增压增压中冷
缸数	4 6
缸径	110
行程	125 135
排量	4.75 5.13 7.13

Performance specification

Type	In-line, Direct Injection, Water-Cooling, Four Stroke
Aspiration	Natural Aspirated Supercharged and Intercooled
Number of Cylinder	4 6
Bore	110
Stroke	125 135
Displacement	4.75 5.13 7.13

6.4 LR-N/V 6.4 LR-N/V



产品简介

技术：运用领先业界的里卡多先进技术咨询成果，YTO

设计的针对非道路作业应用特点的独有产品，CAE分析、CAM验证技术等手段的使用，使产品平台设计之初即具备高起点。

结构：强化的高刚性结构缸体，镶入式干缸套结构，整体式缸盖，打造出极佳的整体刚性。低噪双轴平衡系统，有效降低振动和噪音。

配置：根据主机配置需求，可提供电控单体泵和高压共轨产品，满足不同市场中细分客户的精准需求。精确匹配的增压器，高效的内嵌式机冷器。绿色经济，高效节能。

功率范围：40kW/2200rpm~147kW/2200rpm,

扭矩范围：260N.m/1600rpm~780 N.m /1700rpm, 扭矩储备 > 25%

油耗：全负荷最低燃油耗低于 203g/kw.h

功率适配：各类收获机械、拖拉机、工程机械、发电机组、船机等

Introduction of products

Technology

The design of YTO's exclusive non-road applications stands on the shoulders of giants, including Ricardo's industrial-leading technologies, CAE analysis, and CAM verification technology.

Structure

The rigidity of whole structure is achieved by reinforced cylinder block, high-strength insert dry cylinder sleeves and integral cylinder head. The use of low-noise dual-axis balancing device effectively reduces vibration and noise.

Configuration

According to the configuration requirements of engine, electronic control unit pumps and high-pressure common rail products are available to meet customers requirements in different markets. The accurately matched supercharger and efficient built-in coolers are provided for environmental protection, efficiency and energy saving.

Power range: 40kW/2200rpm~147kW/2200rpm,

Torque range: 260N.m/1600rpm~780 N.m /1700rpm, torque reserve > 25%

Fuel consumption: minimum full load fuel consumption<203g/kw.h

Power matched: harvesters, tractors, construction machinery, generator sets, ships.

性能参数

型式	直列直喷水冷四冲程
进气方式	自然吸气增压增压中冷
缸数	4
缸径	112 115
行程	125 135
排量	4.92 5.32 5.61

Performance specification

Type	In-line, Direct Injection, Water-Cooling, Four Stroke
Aspiration	Natural Aspirated Supercharged and Intercooled
Number of Cylinder	4
Bore	112 115
Stroke	125 135
Displacement	4.92 5.32 5.61

6.5 YM-K 6.5 YM-K



产品简介

技术: 采用国际技术的成熟平台，运用 CAE 分析、CAM 验证技术，应用顶尖燃烧理论和摩擦理论，研发初期准确定位于大马力拖拉机、大吨位压路机等应用领域。

结构: 后置静音齿轮室结构，预置的 PTO 输出接口。强化的内部加强缸体，低位下支撑定位湿式缸套，涨断式连杆，整体式四气门缸盖，中置式喷油器。

配置: 著名供应商的高压共轨系统，精确匹配的高效增压器，创新的外部配置技术集合。

功率范围: 120kW/2000rpm~270kW/2200rpm

扭矩范围: 780N.m/1300rpm~1523 N.m /1500rpm, 扭矩储备 > 30%

油耗: 全负荷最低燃油耗低于 190g/kw.h

功率适配: 各类收获机械、拖拉机、工程机械、发电机组、船机等

Introduction of products

Technology

Standing on an international platform with proven technologies, coupled with CAE analysis, CAM verification skills and top combustion and friction theories, we aim to develop such applications as high-power tractors and large-tonnage road rollers at the initial stage.

Structure

Rear mute gear box structure with preset PTO output connector. Reinforced internal cylinder block, low-position under support positioning wet cylinder sleeves, fracture-split connecting rod, integral four-valve cylinder head, and central fuel injectors.

Configuration

It incorporates high-pressure common rail system of famous brand, precisely matched efficient supercharger, and innovative external configuration technology sets.

Power range: 120kW/2000rpm~270kW/2200rpm

Torque range: 780N.m/1300rpm~1523 N.m /1500rpm, torque reserve > 30%

Fuel consumption: minimum full load fuel consumption < 190g/kw.h

Power matched: harvesters, tractors, construction machinery, generator sets, ships.

性能参数

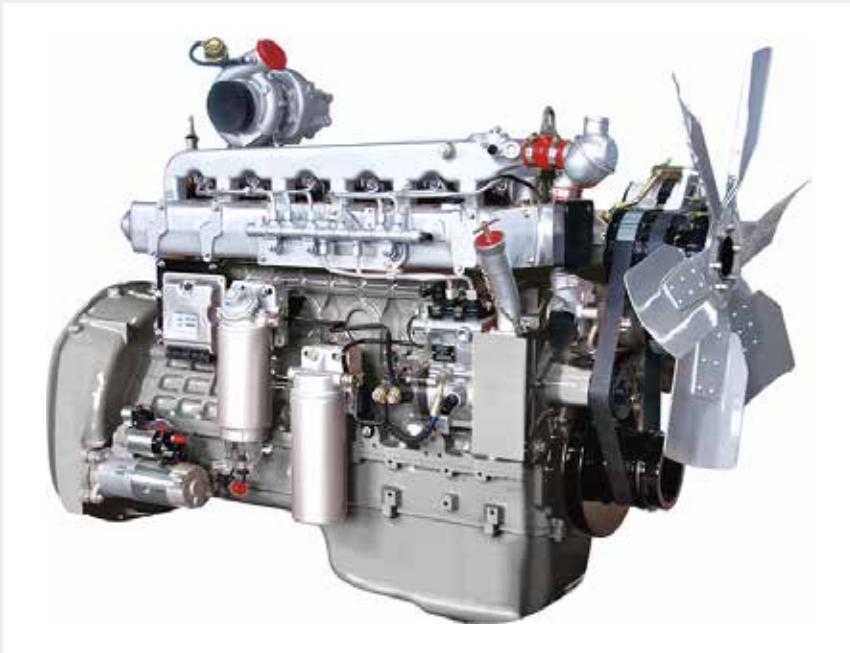
型式	直列直喷水冷四冲程
进气方式	增压增压中冷
缸数	6
缸径	114
行程	135 145
排量	8.26 8.88

Performance specification

Type	In-line, Direct Injection, Water-Cooling, Four Stroke
Aspiration	Supercharged and Intercooled
Number of Cylinder	6
Bore	114
Stroke	135 145
Displacement	8.26 8.88

6.6 YM-S

6.6 YM-S



产品简介

技术：与西南研究院联合设计，运用UG三维技术、CAE分析、CAM验证技术，结合先进的多次喷射燃烧理论，是引领非道路行业的先进产品平台。

结构：S系列采用干缸套结构。强化的整体式主轴承盖，二气门或者四气门缸盖。整机具有极佳的整体结构刚性。

配置：著名供应商的高压共轨系统，精确匹配的高效增压器，一流的内嵌式机冷器，集行业优秀产品于一体。

功率范围：120kW/2000rpm~300kW/2200rpm

扭矩范围：780N.m/1300rpm~1640 N.m /1500rpm, 扭矩储备 > 25%

油耗：全负荷最低燃油耗低于 197g/kw.h

功率适配：各类收获机械、拖拉机、工程机械、发电机组、船机等

Introduction of products

Technology

UG 3D, CAE analysis, and CAM verification technologies are used in the joint design process of the product with Southwest Research Institute, where the advanced multiple injection combustion theory has been referred to. It is a industrial-leading platform in non-road applications.

Structure

S series products use dry cylinder liners, reinforced integral main bearing cover, two-valve or four-valve cylinder head, making the whole structure more rigid.

Configuration

It incorporates high-pressure common rail system of famous brand, precisely matched efficient supercharger, and first-class built-in coolers.

Power range: 120kW/2000rpm~300kW/2200rpm

Torque range: 780N.m/1300rpm~1640 N.m /1500rpm, torque reserve > 25%

Fuel consumption: minimum full load fuel consumption<197g/kw.h

Power matched: harvesters, tractors, construction machinery, generator sets, ships.

性能参数

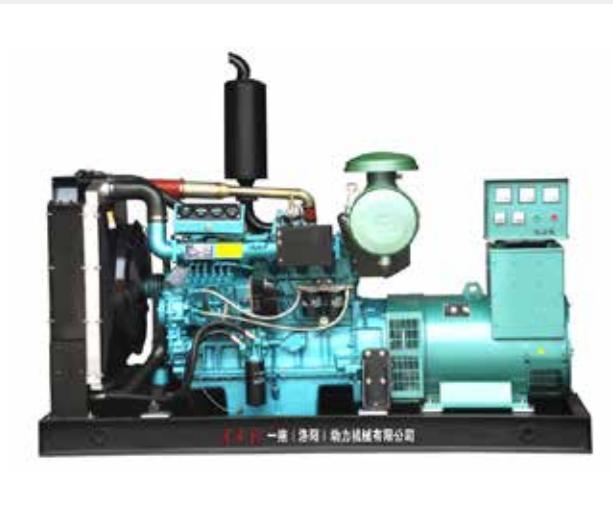
型式	直列直喷水冷四冲程
进气方式	增压增压中冷
缸数	6
缸径	126
行程	130 155
排量	9.73 11.6

Performance specification

Type	In-line, Direct Injection, Water-Cooling, Four Stroke
Aspiration	Supercharged and Intercooled
Number of Cylinder	6
Bore	126
Stroke	130 155
Displacement	9.73 11.6

6.7 柴油机发电机组

6.7 Diesel generator set





产品简介

东方红 YTR/LR/S 系列柴油发电机组是由一拖集团公司自主开发设计的系列柴油机配置中、外名优发电机组成，机组功率 12kW—2000kW。东方红 YTR/LR/S 系列柴油机采用欧美先进技术，根据发电机组运行特性，运用三维有限元分析技术进行全面优化设计和采用模块化集成设计，具有结构紧凑、动力强劲、燃油消耗低、可靠性高、起动容易、零部件通用性好的特点，排放符合国家排放标准，并获欧盟 E-mark 标准排放认证。东方红 YTR/LR/S 系列柴油发电机组其性价比高、口碑好，市场知名度高，长期以来一直深受客户青睐。“东方红”商标为“中国驰名商标”。

Introduction of products

YTR/LR/S series diesel generator sets are composed of premium generators developed and designed by YTO and diesel engines from home and abroad with a power range of 12kW-2000kW. Backed by advanced technologies from Europe and America and the three-dimensional finite element analysis technology, the optimized and modularized diesel engines are designed according to their operating characteristics. Those engines are characterized by compact structure, strong power, low consumption, high reliability, easy-to-start and universally employed parts, and meet China emission standards and obtain EU E-mark certification. The generator sets have been favored by customers for a long time due to their high cost performance, excellent credit and raising market recognition. The trademark "YTO" is a top China brand.

性能参数

机组型号	输出功率 (kW)	额定电流 (A)	柴油机型号	柴油机功率 (kW)	缸径 × 行程 (mm)	燃油消耗率 (g/kW·h)	机组外形尺寸 (mm) L × W × H	机组净重 (kg)
	主用 / 备用							
24GF	24/26	43	YTR3105D81	28.8	105 × 120	≤235	1650 × 750 × 1400	720
30GF	30/33	54	YTR3105ZD56-1	36	105 × 120	≤232	1650 × 750 × 1400	850
30GF-2	30/36	54	YTR4105D51-2	36	105 × 120	≤232	1800 × 780 × 1550	980
50GF	50/55	90	YTR4108ZD56-1	60	108 × 120	≤225	1800 × 780 × 1550	980
50GF	50/55	90	LR4B3Z-D71F-U2	62	108 × 125	≤225	1800 × 780 × 1550	980
64GF	64/70	115	LR4M3L-D71EF-U2	86	110 × 125	≤225	1800 × 880 × 1850	1100
75GF	75/86	135	LR6A3Z-D71F-U2	90	105 × 125	≤216	2300 × 880 × 1850	1200
100GF	100/110	180	LR6A3L-D71EF-U2	110	105 × 125	≤216	2500 × 880 × 1850	1350
120GF	120/132	216	LR6B3L-D71AEF-U2	138	108 × 125	≤216	2300 × 880 × 1850	1450
150GF	150/165	270	LR6S4L-D71EF-U2	176	126 × 130	≤210	2800 × 1250 × 1700	1900
180GF	180/200	324	LR6S4L-D71AEF-U2	220	126 × 130	≤210	2900 × 1250 × 1700	2000
200GF	200/220	360	LR6S4L-D71AEF-U2	220	126 × 130	≤210	2900 × 1250 × 1700	2100
250GF	250/275	450	YM6S9L-D71EF-U2	290	126 × 130	≤210	3250 × 1350 × 2400	2300
300GF	300/330	540	YM6S9L-D71BEF-U2	310	126 × 130	≤210	3250 × 1350 × 2400	24500
350GF	350/400	630	YM6S9LF-D71AEF-U2	375	126 × 130	≤210	3300 × 1350 × 2400	2850

Performance specification

Model	Output power (kW)	Rated current (A)	Diesel engine model	Diesel engine power (kW)	Bore × Stroke (mm)	Fuel consumption (g/kW·h)	Overall dimensions (mm) L × W × H	Net weight (kg)
	Main/standby							
24GF	24/26	43	YTR3105D81	28.8	105 × 120	≤235	1650 × 750 × 1400	720
30GF	30/33	54	YTR3105ZD56-1	36	105 × 120	≤232	1650 × 750 × 1400	850
30GF-2	30/36	54	YTR4105D51-2	36	105 × 120	≤232	1800 × 780 × 1550	980
50GF	50/55	90	YTR4108ZD56-1	60	108 × 120	≤225	1800 × 780 × 1550	980
50GF	50/55	90	LR4B3Z-D71F-U2	62	108 × 125	≤225	1800 × 780 × 1550	980
64GF	64/70	115	LR4M3L-D71EF-U2	86	110 × 125	≤225	1800 × 880 × 1850	1100
75GF	75/86	135	LR6A3Z-D71F-U2	90	105 × 125	≤216	2300 × 880 × 1850	1200
100GF	100/110	180	LR6A3L-D71EF-U2	110	105 × 125	≤216	2500 × 880 × 1850	1350
120GF	120/132	216	LR6B3L-D71AEF-U2	138	108 × 125	≤216	2300 × 880 × 1850	1450
150GF	150/165	270	LR6S4L-D71EF-U2	176	126 × 130	≤210	2800 × 1250 × 1700	1900
180GF	180/200	324	LR6S4L-D71AEF-U2	220	126 × 130	≤210	2900 × 1250 × 1700	2000
200GF	200/220	360	LR6S4L-D71AEF-U2	220	126 × 130	≤210	2900 × 1250 × 1700	2100
250GF	250/275	450	YM6S9L-D71EF-U2	290	126 × 130	≤210	3250 × 1350 × 2400	2300
300GF	300/330	540	YM6S9L-D71BEF-U2	310	126 × 130	≤210	3250 × 1350 × 2400	24500
350GF	350/400	630	YM6S9LF-D71AEF-U2	375	126 × 130	≤210	3300 × 1350 × 2400	2850



扫描关注国机集团国际化经营公众号



地 址：北京海淀区丹棱街3号

邮 编：100080

电 话：86-10-82688888

传 真：86-10-82688811

网 址：www.sinomach.com.cn