

PY200G MOTOR GRADER

PY200G 平地机性能特点介绍

The introduction of PY200G

PY200G 平地机引进德国 O&K 公司技术，其中包括设计图纸、加工工艺及主要加工设备。零部件的制造验收符合 O&K 标准，是目前国内最先进的平地机。

PY200G imported the O&K's technology from Germany, including the drawing of the design, craftsmanship and main manufacturing equipment. The testing of the parts are complied with O&K's standard, and now it's the most advanced motor grader in China.

主要性能优点: Main Performance Strong Points

- 上柴卡特 C6121/东康发动机 6CT8.3-C215 发动机性能可靠、功率大、保证产品在不同工况下稳定可靠的动力输出。
Shanghai C6121 under CAT'S 3306B license or Dongfeng Cummins engine with great power and reliability so as to guarantee the reliable output of power under different road circumstances.
- 柳州 ZF 动力变速箱、确保整机具有灵活准确的行走和工作速度变化，保证操作的可靠和灵活性。
Liuzhou ZF Transmission Box can guarantee the flexible traveling and speed change.
- 自行设计的桥和平衡箱，保证整机可靠的动力输出和安全可靠性。
Self-made Axle and balance box can guarantee the stable power output and reliability..

- 液压系统采用国际先进的控制技术、进口 HUSCO 多路阀，确保液压系统的可靠性。
The hydraulic system adopts the state-of-the-art controlling tech and imported HUSCO multi-way valve guaranteeing the reliability of the hydraulic system.
- 制动系统采用国际先进的单回路行车液压制动控制技术，制动安全可靠。
Braking system adopts the single circuit traveling hydraulic braking tech and with great reliability.
- 铰接车架，配合前轮转向，转弯半径小机动灵活。
Articulated frame and front wheels steering make it with small turning radius.
- 高级豪华、全视野、全密封的驾驶室;Grand, full-view and closed cab
- 可调角度的方向盘 Adjustable steering wheel

发动机 ENGINE

上柴卡特/东风康明斯 水冷，四冲程，涡轮增压发动机

Engine: Shanghai diesel engine or Dongfeng Cummins engine, water cooled, four stroke, turbo charge

型号: C6121/6CT8.3-C215

Model: C6121 under CAT'S 3306B license OR 6CT8.3-C215

额定功率: 155kw/213ps; 160kw/215ps



Rated output: 155kw/213ps or 160kw/215ps

额定转速: 2200rpm/2200rpm

Rated revolution: 2200rpm/2200rpm

最大扭矩: 807Nm at 1400rpm/ 880Nm at 1500rpm

Max. Torque: 807Nm at 1400rpm/ 880Nm at 1500rpm



变速箱 TRANSMISSION

柳州 ZF 电液控制, 动力换挡变速箱, 带变矩器。前 6 后 3, 最高车速 38.98km/h, 各挡速度如下:

Liuzhou ZF electro-hydraulic controlled, power shift transmission, with torque converter. 6 forward speed and 3 reward speed, max. travelling speed:38.98km/h, ans speeds as follows:



速度/档次 speed/shift (km/h)	I	II	III	IV	V	VI
前进档(forward shift)	5.74	8.73	13.02	17.49	26.98	38.98
后退档(reverse shift)	5.74	13.0	26.98			

桥 AXLE

前桥: 箱型摆动式从动桥, 摆动角度左右各 15°, 前轮倾斜左右 17°, 转向角 45°

Front axle: box type oscillating and steering front axle, the oscillating angle 15° at left and right direction, the front leaning angle is 17° at left and right direction, steering angle is 45°.



后桥: 三段式驱动桥, 装有 NO-SPIN 差速器

Rear axle: Three stage, driving axle, with No-spin differential

平衡箱 TANDOM BOX

摆动式平衡箱, 摆动角 15°, 重型滚子链传动

Tandem box: oscillating tandem box, the oscillating angle 15° at up and down direction, heavy duty roller chain.

制动系统 BRAKE SYSTEM

行车制动: 全液压驱动, 钳盘制动器布置在中后轮 4 轮轮边

Service brake: Full hydraulic drive, disc brake are assembled on 4 rear wheels

停车制动: 毂式制动器装在变速箱输出轴端。

Parking brake: hub brake, mechanically operated on drive shaft of gear box

持续制动: 变矩器可用作持续制动。

Continuous brake: Torque converter like continuous brake.

(Germany REXROTH)



作业液压系统 HYDRAULIC WORKING SYSTEM

独立的双泵双回路系统, 系统压力为: 16Mpa/16Mpa。

Working hydraulic system: hydraulic system of double pumps and double circuits, system pressure: 16Mpa/16Mpa.

(American HUSCO)



转向系统 STEERING SYSTEM

前轮转向: 液压转向

铰接转向: 2 油缸驱动

Front wheel steering: Hydraulic steering

Articulating steering: 2 cylinders driven

电气及仪表 ELECTRICAL SYSTEM

工作电压: 24V, 配置各种工作灯及仪表。

Working voltage: 24v, equipped with all kinds of instruments and working light.

铲刀和滚盘作业装置 BLADE AND "ROLLER TYPE" CIRCLE

长*弦高: 3965mm*650mm

Length* chord: 3965mm*650mm

回转角度: 360°

cycling angle: 360°

最大倾斜角 (左/右): 90°

Max. inclined angle left/right: 90°

最大入地深度: 500mm

Max. depth in ground: 500mm



滚盘式终身免维护\免调整, 作业精度高

Roller type circle, free maintenance and adjustment for service life, high precise leveling performance.

车轮 TYRES

6 个尺寸相同, 规格: 17.5-25, 14PR。

standard tyres on all 6 wheels, model 17.5-25, 14PR

容积 CAPACITY

发动机: 20L

变矩器: 28L

后桥: 28L

平衡箱: 23L (单个)

液压油箱: 80L

液压系统: 150L

油箱: 220L

Engine: 20L

Transmission with Torque converter: 28L

Rear Axle: 28L

Tandem: 23L (each)

Hydraulic Tank: 80L

Hydraulic system: 150L

Oil tank: 250L

机架 FRAME

前机架: 国际唯一采用热压成型工艺, "U" 型槽式箱型结构, 抗扭强度高。

Front frame: Adopting only international thermoforming technology with "U"-Box structure and strong anti-torque force.



驾驶室 CABIN

操作环境舒适, 视野开阔, 配有音响, 空调

Comfortable in operation, great field of vision, with Radio and A/C



选装件 OPTIONAL PARTS



前推土板 FTONT DOZER

宽*高: 2740mm*920mm

Width *height: 2740mm*920mm

至前桥距离: 1550mm

Distance to front axle: 1550mm

最大入地深度: 205mm

Max. Cutting depth in ground: 205mm

**后松土器 REAR RIPPER**

松土宽度: 2000mm

Ripper width: 2000mm

松土齿最大入地深度: 315

Max. cutting depth in ground: 315

齿数: 5

Teeth numbers: five

**整机参数 THE MAIN PARAMETERS**16500kg(标准配置)/16500kg(带前推后松型) operating weight: 16500kg
(standard)/16500kg (with optional front dozer and rear ripper)整机尺寸: 8700mm*2595mm*3480mm (标准配置) /10330mm*2740mm*3480mm
(带前推后松型)Overall dimension (L*W*H): 8700mm*2595*3480mm/10330mm*2740mm*3480mm
(with front dozer and rear ripper)**PY200G MOTOR GRADER**