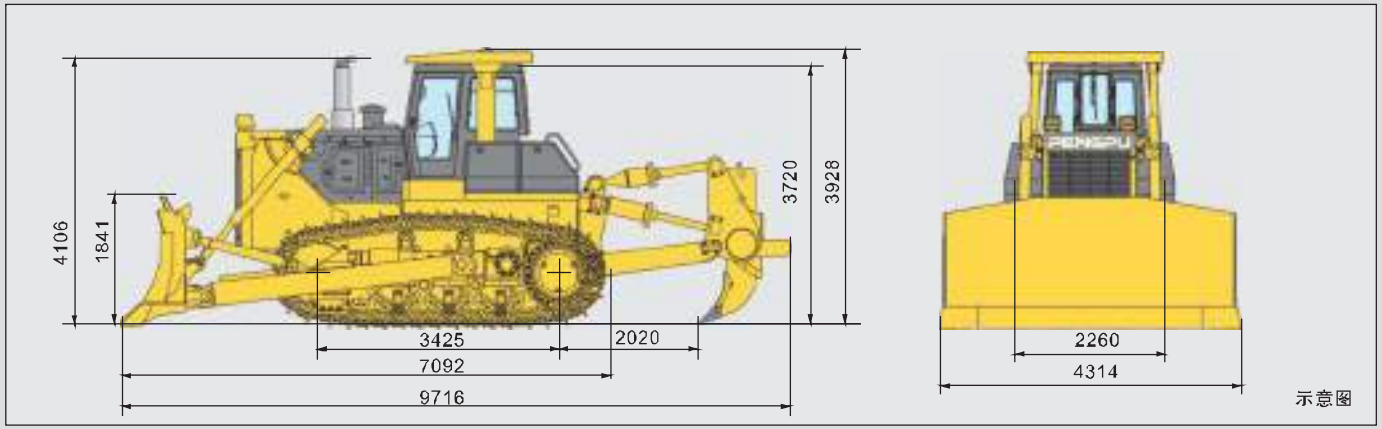
PD410Y-2 推土机
PD410Y-2 BULLDOZER



发动机 ENGINE

型号 Model	康明斯 QSK19 C450 Cummins QSK19 C450
型式 Type	四冲程、直列、六缸、电喷、涡轮增压、空空中冷 4 cycle, straight vertical, 6 cylinder, electronic injection, turbocharged, chargec air coolec
额定功率(kW) Ratec power(kW)	340
额定转速(r/min) Ratec speec (r/min)	2000
缸数－缸径×行程(mm) Number of cylinders-bore x stroke (mm)	6－Φ159×159
启动方式 Starting method	8.25KW/24V 电动机启动 Electric starting 8.25KW/24V
蓄电池 Battery	24V (12V×2)
空气滤清器 Air cleaner	干式、水平式、带空气除尘器 Dry horizontal type with precleaner
最低燃油消耗率(g/kW·h) Min fuel consumption rate (min)	227

传动装置 TRANSMISSION

液力变矩器 Torque converter	三元件、单级、单相 3-element, single-stage, single-phase
变速箱 Gearbox	三操纵液压换档，行星齿轮，多片离合器式，强制液压强制润滑，前进3档，后退3档 Hand-operated,Hydraulic shift, Planetary gear, multiple-disc clutch, Hydraulic-actuated, forced Lubrication by gear pump, 3forward and 3 reverse speeds.
中央传动 Bevel gear	螺旋伞齿轮，飞溅润滑 Helical bevel gear, splash lubricated
转向离合器 Stooring clutch	湿式多片、弹簧压紧、手动液压助力操作、液压分离 Wet, Multiple disc, Spring loaded, Hand-operated with boosterand hydraulic-released
转向制动器 steering brake	湿式，带式，液压助力联动操纵 Wet, band brake, operated with hydraulic booster
最终传动 Final drive	1级正齿轮组，1级行星齿轮组，飞溅润滑 Spur Gear, One Reductor,Inner planetary Gear, one reduction,splash Lubricated

履带 TRACK

型式 Type	润滑履带 Lubricated track
节距(mm) Track pitch (mm)	260.35
宽度(mm) Track width (mm)	610
履带板数(每侧) No. of track shoes(each side)	40
履带接地长度 Length of track on ground (mm)	3425
履带中心距(mm) Track gauge (mm)	2260

工作装置液压系统 HYDRAULIC SYSTEM OF WORK EQUIPMENT

行驶速度 TRAVEL SPEED (km/h)

PENGPU

PD410Y-

履带式推土机
BULLDOZER

PD410Y-2推土机
PD410Y-2 BULLDOZER

主要技术特点及优势

◇采用康明斯QSK19-C450发动机，动力强劲，性能稳定，符合国III排放标准。
◇液力换档变速箱，换档轻便，冲击小。
◇三元件单级单相液力变矩器效率高、能容大。
◇新型的驾驶室，视野开阔，并配以新型ROPS-FOPS防翻架，外观新颖，安全可靠。
◇采用三级电子报警装置，可实现对推土机监控。
◇工作装置采用先导操纵，操纵力小，负荷反馈液压系统，节能。
◇外形美观大方，操纵控制舒适便捷。
◇新型弹性减震台车，附着力强，轮子寿命长。
◇集中润滑，方便维护。
◇电动加油装置，方便加油。
◇集中测压，易于故障诊断。
◇采用自动排尘式空气预滤器，灰尘分离效果明显。

Main Features

◇Equipped with Cummins KTA19-C525 engine, more powerful and more reliable, compliant with national emission standard stage III.
◇Hydraulic gearshift transmission for easier gear shifts and lower impacts.
◇3-element, single stage, single phase torque converter for higher efficiency and bigger capacity.
◇Newly cab for a wide view, ROPS-FOPS structure for safety.
◇Three-stage alarm electron monitor system effectively monitors the movement of the machine.
◇Implement control is piloted for less operating efforts. Hydraulic system effects according to the load feedback to save fuel.
◇More pleased appearance; Improved operating comfort.
◇New elastic and shock absorption track frame for increased adhesion force and added wheel life.
◇Centralized lubrication for easy maintenance.
◇Electric fuel feeder for easy fuel feeding.
◇Centralized pressure checking for easier malfunction diagnosis.
◇Automatic dust discharge type air precleaner adopted to remove dust efficiently.

变速箱

变速箱采用行星齿轮和盘式离合器(共五排)。通过操纵变速。结构形式为行星齿轮，多片离合器，液压结合强制

Gearbox

This machine is equipped with transmission of planetary gear and force lubricated (five transmitting lines in total). Forward ga nee hycraulica lly by actuating control va ve.

液力变矩器

液力变矩器是单级单相三元件向心涡轮液力变矩器。合理匹配。与传统的机械传动相比，具有无可比拟的优越无级调速性能，提高机械使用寿命，提高机械的适应性，限矩保护功能。

Torque Converter

The torque converters are of the sing e stage, sing e phrase, 3 e structure and excellent reliabil ty, which provide optimum matc transmissions comparing to the normal ones, means the auton gradual y speed change, improved machine lifet me and travel working comfort and torque limit set protect on function.

最终传动

最终传动的作用是通过一级直齿轮和一级行星齿轮减力传递给行走机构。采用飞溅润滑，浮动油封机构型形式

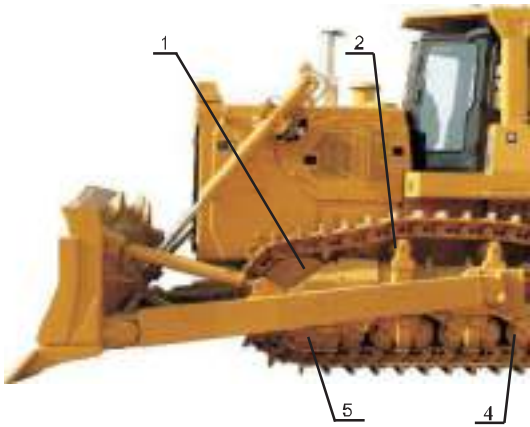
Final drive

The fina drive adopts double reduct ons of Spur gear pairs, plane power is transmitted to travel mechan sm by driving gears. It fea seal.

专业动力　最佳品质
PROFESSIONAL POWER, BEST QUALITY

◇空空中冷、缓启动等技术进一步提高了发动机的可靠性、动力性、燃油经济性及排放等指标。
◇高效的Holset废气涡轮增压器可保证进气更充分，改善燃烧，提高发动机效率；空空中冷技术保证燃油经济性及排放更低。
◇康明斯专利技术的PT燃油系统，超高喷射压力，保证发动机雾化良好，燃烧充分。
◇采用高强度合金铸铁制造，刚性好、振动小、噪声低。
◇可更换湿式气缸套，散热效果好，更换容易。
◇缸体和缸盖均采取内置式压力润滑油道，结构紧凑，故障率低。
◇采用齿轮离心水泵强制水冷，大流量水道设计，冷却效果好。
◇电控系统配备报警指示灯，可以全工况监测发动机运行状况。
◇发动机准确反馈故障代码，可以快速有效的对发动机维护。

◇ Charged air coo ing, Slow startup technology used in engine improves



工作装置　W ORK EQU PM ENT

推土板形式 Blade type