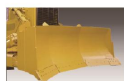


Optional Attachment



U blade



3 tooth ripper



Straight tilt blade



Angle blade



Blade for garbage



Single teeth ripper



Wheel Loader



Motor Grader



Excavator



Backhoe Loader



Vibratory Roller



Truck Mounted Crane



Bulldozer



Paver



Skid Steer

SINOMACH

GTU220

SINOMACH-HI INTERNATIONAL EQUIPMENT CO.,LTD.

(额定功率) Rated power: 175kW@1800rpm (整机重量) Weight: 23500kg



- The machine features reasonable layout, excellent performance and advanced technology.
- Higher engine power reserves efficiency, bigger torque output, lower fuel consumption, while better reliability.
- Hydraulically controlled drive, automatically speed regulating and non-stop gear shifting.
- The final drive uses triangle Spline and tip relief, crowned gear drive to enhance the balance and the stability of the load of transmission Part.
- The novel hexahedral cab offers excellent visibility, the powerful ventilation and unparalleled dust-free.



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DEALER:

2023.02



国机重工集团国际装备有限公司
SINOMACH-HI INTERNATIONAL EQUIPMENT CO.,LTD.

GTU220 BULLDOZER MAIN SPECIFICATIONS

推土机主要技术参数



发动机(ENGINE)

型号.....康明斯 Cummins NT855-C280S10
Model.....康明斯 Cummins NT855-C280S10
型式.....直列、四冲程、水冷、PT泵喷射、涡轮增压
Type.....Straight vertical, four-stroke, water cooling, PT pump injection, turbocharged
额定功率 Rated power175kW
额定转速 Rated Speed1800r/min
缸数-缸径×行程6-φ139.7×152.4mm
Number of cylinders-bore×stroke.....6-φ139.7×152.4mm
启动方式.....24V, 11kW 启动马达
Starting methodStarting motor 24V, 11kW
蓄电池.....24V(12V×2)-195Ah
Battery.....24V(12V×2)-195Ah
空气滤清器.....干式、水平式、带空气除尘器
Air cleaner.....Dry horizontal typewith precleaner
最低燃油消耗量 Min fuel consumption ratio.....218g/kw·h

传动装置 TRANSMISSION SYSTEM

液力变矩器.....三元件, 单级, 单相
Torque converter.....3-element, single-stage, single-phase
变速箱.....行星齿轮, 多片离合器, 液压结合强制润滑式, 前进三档后退三档
Transmission.....Planetary gear, multiple-disc clutch, hydraulic actuated, forced lubrication by gear pump, 3 forward and 3 reverse speeds
中央传动.....螺旋伞齿轮、飞溅润滑
Bevel gear.....Helical bevel gear, splash lubricated
转向离合器.....湿式多片离合器, 弹簧压紧, 液压分离
Steering clutch.....Wet, Multiple disc, Spring loaded, hydraulically released
转向制动器.....湿式带制动、液压助力操纵、阀内联动
Steering brake.....Wet, band brake, operated with hydraulic booster and valve inner linkage
最终传动.....直齿轮, 二级减速, 飞溅润滑
Final drive.....double reduction, splash lubricated

行驶速度 TRAVEL SPEED(km/h)

	1st	2st	3st
前进 Forward	3.6	6.5	11.2
后退 Reverse	4.3	7.7	13.2

工作装置液压系统

HYDRAULIC SYSTEM OF WORK EQUIPMENT

工作压力 Working pressure.....14Mpa
额定流量 (2000r/min)262L/min
油泵 Pump.....齿轮泵 Gearpump
操作阀.....手动滑阀式 伺服操纵
Control valve.....Hand-operated plunger sarvo controlling

行走装置 UNDER CARRIAGE

驱动轮 Sprocket.....镶块式大链轮 Segmented
支重轮数 (每侧)6(4单, 2双)/8(5单, 3双)
Number of track rollers(each side)6(4Single, 2double)/8(5Single, 3double)
张力机构 Track tension.....黄油涨紧 Hydraulic-adjusted
*驱动轮, 支重轮, 托轮和引导轮均采用浮动油封
Floating seals are used in all sprockets, track rollers, carrier rollers and front idlers

工作装置 WORK EQUIPMENT

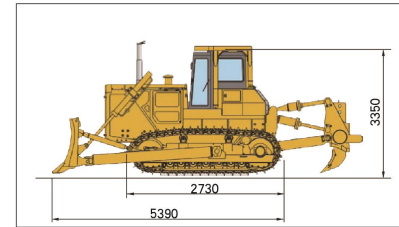
推土板形式 Blade type	直切型 Straight cut	角形 Angle	半U形 Semi-U
宽 Width	3735mm	4385mm	3725mm
高 Height	1310mm	1055mm	1374mm
最大切土深度 Max. drop below ground	538mm	535mm	540mm
最大侧倾量 Max. Tilt	> 735mm	> 500mm	> 765mm
铲刀容量 Blade capacity	6.4m³	4.7m³	7.5m³

松土器 RIPPER

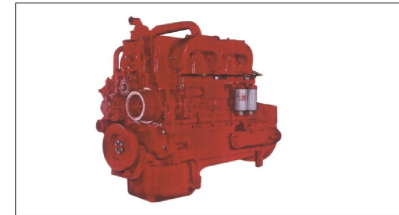
型式 Type.....单齿Single/三齿Three Shank
最大松土深度 Max. dig below ground.....695/666mm
最大提升高度 Max. lift above ground.....515/555mm
重量 Weight.....2453/2495mm

履带 TRACK

型式 Type	密封式 单履齿 Sealed, single grouser	
节距 Track pitch	GTU220	GTU220S
宽度 Track width	216mm	216mm
履带板数 (每侧) Number of track shoes(each side)	560mm	910mm
履带接地长度 Length of track on ground	38	45
离地间隙 Ground clearance	2730mm	3480mm
履带中心距 Track gauge	405mm	450mm
	2000mm	2250mm



Engine

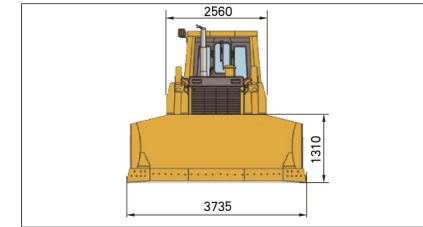


- Pulse exhaust manifold for improving performance and emission. With a high torque reserve and a low speed under the maximum torque condition for a good adaptation.
- High quality cast iron and special designed valve guide for the seal performance and durability.
- Robust and precise balance design for crankshaft.
- Advanced turbocharger and air-air aftercooler technology.
- 4 valves per cylinder for high power and low fuel consumption.

Final drive



- The final drive uses triangle Spline and tip relief, crowned gear drive for enhanced balance and the stability during power transmission, lower noise, excellent reliability and added life.



Torque Converter



- The hydraulic torque converter for GTU220 is a newly developed product with the improvement made to the material, process and layout based on introduced Japan KOMATSU technology.
- It features simple architecture, easy maintenance, low noise, excellent reliability, stepless speed regulating which ensure perfect match to the machine for an outstanding traction and a stable transmission.

Gearbox



- Hydraulic controlled gearshift is realized by operating the control valve, and without having to stop the machine, when operated with the torque converter to save operator effort.
- The transmission is combined with four planets lines and a rotary lock-up clutch, multiple disc clutch hydraulic controlled release, forced lubrication, with 3 speeds forward and 3 speeds backward.