

# SHANBO

# SHANBO

山之重器 铂盈天下

## SD22 履带式推土机

采用液力传动、液压助力操纵，具备高性能、高耐用性的特点  
Hydraulic transmission and hydraulic boosting are adopted, which has the characteristics of high performance and high durability.



山铂工程机械设备（山东）有限公司

Shanbo Construction Machinery Equipment (Shandong) Co., Ltd

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山铂工程机械设备(山东)有限公司

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## SD22C 煤炭版Coal edition

适用于电厂、港口等松散物料的施工作业  
Suitable for the construction of loose materials such as power plants and ports.



## SD22W 岩石版Rock plate

适用于粗砂、石子、风化岩等岩石及土夹石工况。  
Suitable for coarse sand, pebbles, weathered rocks and other rocks and soil with stones.



## SD22F 森林版Forest edition

适用于雨林及林场伐木、集柴及拖拽运输工作。  
It is suitable for logging, firewood collection and hauling transportation in rain forests and forest farms.



## SD22D 沙漠版Desert edition

适用于沙漠戈壁高粉尘、高湿、强震动等工况。  
Suitable for high dust, high humidity, strong vibration and other working conditions in desert Gobi.

## SD22E 加长版Extended edition

适用于公路、铁路、矿山、机场等地面的推运、开挖、回填土石方以及其他散料的作业。  
It is suitable for pushing, excavating, backfilling earthwork and other bulk materials on roads, railways, mines and airports.

## SD22R 环卫版Sanitation edition

适用于垃圾场的垃圾填埋、平整、压实、堆积等工作、也可用于垃圾铁槽及处理罐站的牵引作业  
It is suitable for landfill, leveling, compaction and accumulation of garbage in garbage dump, and can also be used for traction operation of garbage iron trough and treatment tank station.

## SD22S 湿地版Wetland edition

适用于沼泽、滩涂等泥泞地带的土方作业  
Suitable for earthworks in muddy areas such as swamps and tidal flats.



# SHANBO

## SD22标配版Standard edition

SD22标准版推土机是根据市场情况，应用山推专利技术开发设计的产品，具有高性能、高耐用性的特点，可以配置多种工作装置和驾驶室，是土石施工、散料铲运的理想作业设备。

SD22 Standard Bulldozer is a product developed and designed by applying patented technology of Shantui according to market conditions. It has the characteristics of high performance and durability, and can be equipped with various working devices and driving rooms. It is an ideal working equipment for earth-rock construction and bulk material shoveling.

## SD22C 煤炭版Coal edition

SD22C煤炭版推土机，系根据特殊工程作业环境的需要所研制开发，适用于电厂、港口等松散物料的施工作业。标配的推煤铲具有超大的容量，超高效的作业效率和耐用性。

SD22C coal bulldozer is developed according to the needs of special engineering working environment, and is suitable for the construction of loose materials such as power plants and ports. The standard coal shovel has super capacity, super efficient operation efficiency and durability.

## SD22W 岩石版Rock plate

SD22W省石版推土机，系针对省石作业工况的特点进行专门设计研发，具有技术性先进、可靠性高、油耗低维护方便的特点。配备高强耐磨岩石型铲刀及推杆，适应于相砂、石子及风化岩等岩石及土夹石工况。

SD22W stone bulldozer is specially designed and developed according to the characteristics of stone-saving working conditions, which has the characteristics of advanced technology, high reliability, low fuel consumption and convenient maintenance. Equipped with high-strength wear-resistant rock shovel and push rod, it is suitable for the working conditions of sand, gravel and weathered rock and stone inclusion.

## SD22F 森林版Forest edition

SD22F森林版推土机，系根据森林作业环的需要研发，并配备专用的伐木防浪驾驶室。可配置较密(660mm)履带及机械绞车，具有良好的通过性能和自救性，适合雨林及林场伐木、集材及电运输作业。

## SD22D 沙漠版Desert edition

SD22D沙漠版推土机，系针对沙漠地作业工况的特点进行专门研发，具有技术性能先进、可靠性高、油耗低维护方便的特点。加长型台车可有效降低接地比压，具有良好的沙漠通过性能。

SD22D desert pusher is specially developed according to the characteristics of desert working conditions, and has the characteristics of advanced technical performance, high reliability, low fuel consumption and convenient maintenance. The extended trolley can effectively reduce the grounding specific pressure and has good desert passing performance.

## SD22E 加长版Extended edition

SD22E加长版推土机，采用加长台车，结构先进合理，工作装置操纵灵活。低接地比压特性，适用于公路、铁路、矿山、机场等地面的推运、开挖、回填土石方以及其他散料的作业。

SD22E extended version pusher adopts extended trolley, with advanced and reasonable structure and flexible operation of working device. Low grounding specific pressure, suitable for pushing, excavating, backfilling earth and stone and other bulk materials on roads, railways, mines and airports.

## SD22R 环卫版Sanitation edition

SD22R环卫版推土机，系根据国内城市环卫处理场作业的需要研发，采用湿型推土机底盘，有效的降低接地比压，具有良好的通过性能，十分适合含水量大的生活垃圾填埋、压实处理。

SD22R Environmental Protection Bulldozer is developed according to the operation needs of domestic urban environmental protection treatment plants. It adopts wet bulldozer chassis, which effectively reduces the specific grounding pressure and has good passing performance. It is very suitable for landfill and compaction of domestic garbage with high water content.

## SD22S 湿地版Wetland edition

SD22S湿地版推土机，系针对湿地作业工况的特点进行专门设计研发，可在普通机型无法进入的松软土地、泥沙土壤工况下正常工作。采用910mm湿地履带，加长型台车，有效的降低接地比压，适合沼泽、滩涂等泥泞地带的土方作业。

SD22S warm-floor bulldozer is specially designed and developed according to the characteristics of warm-floor working conditions, and can work normally in soft soil and silt soil conditions that ordinary models can't enter. Adopt 910mm wet track and extended trolley to effectively reduce the specific pressure of receiving her, which is suitable for earthwork operation in muddy areas such as Zhaoze and tidal flat.



## SD22推土机

标配版 煤炭版 岩石版 森林版 沙漠版 加长版 环卫版 湿地版

SD22系列推土机，满足国家排放标准要求，采用液力传动、液压操纵，具备高性能、高耐用性的特点，荣获中国推土机行业唯一国优质量金奖。多种工作装置和驾驶室可以满足各种工况的作业需求，是土石方施工、散料铲运的理想高效作业设备。



Standard coal version, rock version, forest version, desert version, extended version, sanitation version and wetland version

SD22 series bulldozers meet the national III emission requirements, adopt hydraulic transmission and hydraulic control, and have the characteristics of high performance and high durability, and won the only national excellent quality gold medal in China bulldozer industry. A variety of working devices and cabs can meet the requirements of various working conditions, and are ideal funny working equipment for earthwork construction and bulk material shoveling.

# SHANBO

### 动力系统power system

●配置WP12/QSNT-C235电控发动机，满足国家非道路机械国III阶段排放要求，动力强劲，高效节能，维护保养成本低；

Equipped with WP12/QSNT-C235 electronic control engine, it meets the national non-road machinery country III emission requirements, with strong power, high efficiency and energy saving, and low maintenance cost;

●扭矩储备系数大，额定功率达到175kW；

The torque reserve coefficient is large, and the rated power reaches 175kW;

●采用径向密封进气系统，有效提升发动机使用寿命。

The radial seal air intake system is adopted to effectively improve the service life of the engine.

### 传动系统Transmission system

●传动系统与发动机曲线完美匹配，高效区更宽广，传递效率更高；

The transmission system is perfectly matched with the engine curve, and the high efficiency area is wider and the transmission efficiency is higher;

●山铂自制传动系统，久经市场考验，性能稳定，质量可靠。

Shanbo self-made transmission system has been tested by the market for a long time, with stable performance and reliable quality.

### 驾乘环境Driving environment

●六面体驾驶室，超大内部空间和开阔视野，可按需求配置FOPS/ROPS，安全可靠；

Hexahedral cab, with large internal space and wide field of vision, can be equipped with FOPS/ROPS as required, which is safe and reliable;

●电控手、脚油门，操纵更精确、更舒适；

Electronic control of hand and foot throttles makes the operation more accurate and comfortable;

●配置智能化显控终端，冷暖空调等，提供更丰富的人性化驾乘体验，让您随时了解系统状况，智能便捷。

Equipped with intelligent display and control terminal, heating and cooling air conditioning, etc., to provide a richer humanized driving experience, so that you can know the system status at any time, which is intelligent and convenient.



### 工作适应能力Work adaptability

●稳定可靠的山铂底盘系统，适用于各种恶劣工况；

Stable and reliable Shanplatinum chassis system, suitable for all kinds of harsh working conditions;

●产品接地长度长，离地间隙大，行驶平稳，通过性好；

The product has long grounding length, large ground clearance, smooth driving and good passability;

●根据具体工况可配置直倾铲、U铲、角铲、推煤铲、岩石铲、环卫铲、松土器、牵引架等，作业适应能力更强，标配LED工作灯，提升夜间施工照明能力，更加安全可靠。

According to the specific working conditions, it can be equipped with straight shovel, U shovel, corner shovel, coal shovel, rock shovel, sanitation shovel, scarifier, traction frame, etc., which has stronger operation adaptability, and comes standard with LED working lights to improve the lighting ability of night construction, which is more safe and reliable.

### 易维护性Maintainability

●结构件继承山铂成熟产品的优良品质；

Structural parts inherit the excellent quality of mature products of Shanplatinum;

●电气线束采用波纹管防护、分线器分线，防护等级高；

The electrical wiring harness is protected by corrugated pipe, and the wire splitter is used for wiring, so the protection level is high.

●开启式大空间侧护罩，维修保养更方便；

Open large space side shield, which is more convenient for maintenance;

●整机润滑保养点移至机体外侧，保养方便快捷。

The lubrication and maintenance point of the whole machine is moved to the outside of the machine body, which is convenient and quick to maintain.



对比项Contrast term	SD22 (标配版Standard edition)	SD22C (煤炭版Coal edition)	SD22W (岩石版Rock plate)	SD22F (森林版Forest edition)
性能参数performance parameter				
工作质量 (kg) workmanship	23450	24000	23600	24700
最小转弯半径 (mm) minimum turning radius	3300	3300	3300	3300
接地比压 (kPa) Grounding specific pressure	66	57.5	66	64
发动机engine				
发动机型号Engine model	WP12/QSNT-C235	WP12/QSNT-C235	QSNT-C235	QSNT-C235
额定功率 / 额定转速 (kW/rpm)Rated power/speed	175/1800	175/1800	175/1800	175/1800
外形尺寸outline dimension				
整机外形尺寸 (mm) Overall dimension of the machine	5495×3725×3402	5820×4200×3402	5495×3725×3402	5495×3725×3402
行走性能Walking performance				
前进速度 (km/h) speed of advance	F1:0-3.6 / F2:0-6.5 / F3:0-11.2	F1:0-3.6 / F2:0-6.5 / F3:0-11.2	F1:0-3.6 / F2:0-6.5 / F3:0-11.2	F1:0-3.6 / F2:0-6.5 / F3:0-11.2
后退速度 (km/h) Backward speed	R1:0-4.3 / R2:0-7.7 / R3:0-13.2	R1:0-4.3 / R2:0-7.7 / R3:0-13.2	R1:0-4.3 / R2:0-7.7 / R3:0-13.2	R1:0-4.3 / R2:0-7.7 / R3:0-13.2
离地间隙 (mm) ground clearance	405	405	405	405
底盘系统Chassis system				
履带中心距 (mm) Track center distance	2000	2000	2000	2000
履带板宽度 (mm) Track shoe width	560/610/660	660	560/610/660	610/660
接地长度 (mm) Grounding length	2730	2730	2730	2730
履带板数量 (单侧 / 片) Number of track shoes (single side/piece)	38	38	38	38
链轨节距 (mm) Chain track pitch	216	216	216	216
托轮数 (单侧) Number of rollers (one side)	2	2	2	2
支重轮数 (单侧) Number of rollers (one side)	6	6	6	6
油箱容量fuel tank capacity				
燃油箱 (L) fuel tank	450	450	450	450
工作液压油箱 (L) Working hydraulic oil tank	110	110	110	110
工作装置Working device				
铲刀型式Blade type	直倾铲 / 角铲 / U型铲 / 半U铲 A straight shovel/corner shovel/U shovel/semi-U shovel	推煤铲 Coal shovel	岩石直倾铲 / 岩石角铲 / 岩石U型铲 / 岩石半U铲 Rock straight shovel/rock angle shovel/rock U shovel/rock semi-U shovel	直倾铲 / 角铲 / U型铲 / 半U铲 A straight shovel/corner shovel/U shovel/semi-U shovel
铲刀宽度 (mm) Blade width	3725 / 4635 / 3800 / 3725	4200	3725 / 4635 / 3800 / 3725	3725 / 4635 / 3800 / 3725
铲刀高度 (mm) Blade height	1315 / 1055 / 1343 / 1374	1350	1315 / 1055 / 1343 / 1374	1315 / 1055 / 1343 / 1374
铲刀提升高度 (mm) Blade lifting height	1210	1210	1210	1210
铲土深度 (mm) Shovel depth	540	538	538	540
松土器型式Type of scarifier	单齿 / 三齿 Single tooth/three teeth	单齿 / 三齿 Single tooth/three teeth	单齿 / 三齿 Single tooth/three teeth	单齿 / 三齿 Single tooth/three teeth
松土深度 (mm) Loosening depth	单齿 695 / 三齿 666 Single tooth695 /triple tooth666	单齿 695 / 三齿 666 Single tooth 695/triple tooth666	单齿 695 / 三齿 666 Single tooth 695/triple tooth666	单齿 695 / 三齿 666 Single tooth 695/triple tooth666
松土器提升高度 (mm) Lifting height of scarifier	单齿 515 / 三齿 555 Single tooth515 /triple tooth555	单齿 515 / 三齿 555 Single tooth 515/triple tooth555	单齿 515 / 三齿 555 Single tooth 515/triple tooth555	单齿 515 / 三齿 555 Single tooth 515/triple tooth555
绞车型式Stranded vehicle type	—	—	—	机械绞车 Mechanical winch

对比项Contrast term	SD22D (沙漠版Desert edition)	SD22E (加长版Extended edition)	SD22R (环卫版Sanitation edition)	SD22S (湿地版Wetland edition)
性能参数performance parameter				
工作质量 (kg) workmanship	24600	24600	26000	25700
最小转弯半径 (mm) minimum turning radius	3300	3300	3800	3800
接地比压 (kPa) Grounding specific pressure	56	66	36	35.2
发动机engine				
发动机型号Engine model	QSNT-C235	QSNT-C235	WP12/QSNT-C235	WP12/QSNT-C235
额定功率 / 额定转速 (kW/rpm)Rated power/speed	175/1800	175/1800	175/1800	175/1800
外形尺寸outline dimension				
整机外形尺寸 (mm) Overall dimension of the machine	5495×3725×3402	5495×3725×3402	6290×4365×3745	6290×4365×3402
行走性能Walking performance				
前进速度 (km/h) speed of advance	F1:0-3.6 / F2:0-6.5 / F3:0-11.2	F1:0-3.6 / F2:0-6.5 / F3:0-11.2	F1:0-3.6 / F2:0-6.5 / F3:0-11.2	F1:0-3.6 / F2:0-6.5 / F3:0-11.2
后退速度 (km/h) Backward speed	R1:0-4.3 / R2:0-7.7 / R3:0-13.2	R1:0-4.3 / R2:0-7.7 / R3:0-13.2	R1:0-4.3 / R2:0-7.7 / R3:0-13.2	R1:0-4.3 / R2:0-7.7 / R3:0-13.2
离地间隙 (mm) ground clearance	405	405	520	520
底盘系统Chassis system				
履带中心距 (mm) Track center distance	2000	2000	2250	2250
履带板宽度 (mm) Track shoe width	660	560/610/660	910	910
接地长度 (mm) Grounding length	3050	3050	3480	3480
履带板数量 (单侧 / 片) Number of track shoes (single side/piece)	41	41	45	45
链轨节距 (mm) Chain track pitch	216	216	216	216
托轮数 (单侧) Number of rollers (one side)	2	2	2	2
支重轮数 (单侧) Number of rollers (one side)	7	7	8	8
油箱容量fuel tank capacity				
燃油箱 (L) fuel tank	450	450	450	450
工作液压油箱 (L) Working hydraulic oil tank	110	110	110	110
工作装置Working device				
铲刀型式Blade type	直倾铲 / 角铲 / U型铲 / 半U铲 A straight shovel/corner shovel/U shovel/semi-U shovel	直倾铲 / 角铲 / U型铲 / 半U铲 A straight shovel/corner shovel/U shovel/semi-U shovel	环卫铲 Sanitation shovel	直倾铲 A straight shovel
铲刀宽度 (mm) Blade width	3725 / 4635 / 3800 / 3725	3725 / 4635 / 3800 / 3725	4365	4365
铲刀高度 (mm) Blade height	1315 / 1055 / 1343 / 1374	1315 / 1055 / 1343 / 1374	1885	1248
铲刀提升高度 (mm) Blade lifting height	1210	1210	1330	1330
铲土深度 (mm) Shovel depth	540	540	550	550
松土器型式Type of scarifier	单齿 / 三齿 Single tooth/three teeth	单齿 / 三齿 Single tooth/three teeth	—	—
松土深度 (mm) Loosening depth	单齿 695 / 三齿 666 Single tooth 695/triple tooth666	单齿 695 / 三齿 666 Single tooth 695/triple tooth666	—	—
松土器提升高度 (mm) Lifting height of scarifier	单齿 515 / 三齿 555 Single tooth 515/triple tooth555	单齿 515 / 三齿 555 Single tooth 515/triple tooth555	—	—
绞车型式Stranded vehicle type	—	—	—	—