



新能源牵引车 New Energy Tractor

TB 系列 新能源牵引车采用磷酸铁锂电池作为动力源，其结构形式为：前桥纵置摆臂式独立悬架，采用螺旋弹簧加筒式液压减振器组成的阻尼减振系统；驱动桥采用纵置板簧式悬架，多片式钢板弹簧加液压筒式减振器减振；制动系统为真空助力、前鼓后湿式四轮双回路液压行车制动，机械式驻车制动；转向系统为液压助力转向，由转向油泵驱动液压油作用于循环球式动力转向器，辅助转向。具有性能卓越、造型美观、驾乘舒适、无污染、低噪音、可靠性高等优点，能广泛运用于机场、港口、车站、库房等场所的牵引作业。

TB25L new energy tractor is equipped with Lithium iron phosphate battery by a vertical swing arm suspension system for the front axel and the shock absorber damping system with spiral spring and hydraulic cylinder type shock absorption. The driving axel adopts the vertical plate spring suspension system and multi-plate spring with hydraulic cylinder type shock absorbing system. The braking system adopts vacuum power assisted, four-wheel double circuit hydraulic service braking and mechanical parking braking. The steering system is a hydraulic power steering system, hydraulic oil is driven by the steering oil pump to act on the circulating ball power steering gear. The tractor is widely used in airport, shipyard, railway station, warehouse and other location for its excellent performance, beautiful outlook, convenient driving experience, low noise, high reliability, and no revolution.

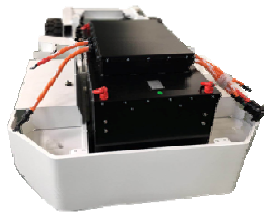
主要特点 Main features

- ◆前桥采用独立悬架, 具有较小的转弯半径;
- ◆液压助力循环球式转向, 回正良好, 操作轻便灵活;
- ◆前鼓后湿式、液压双回路四轮制动, 安全可靠;
- ◆瑞典进口 Inmotion 电控系统, 精准高效, 具有故障自我诊断功能;
- ◆意大利进口 PMP 驱动桥, 具有高承载, 大扭矩的特点;
- ◆一体化易观察组合仪表, 合理布置的操作空间;
- ◆LED 大灯, 让操作区域更加明亮
- ◆Independent suspension at front axle with small turning radius.
- ◆The hydraulic power circulation ball steering system providing a easy and flexible operation.
- ◆Vacuum booster hydraulic dual re-circulation four wheel braking, safe and reliable.
- ◆The precise Inmotion control system imported from Sweden has a self diagnosis function.
- ◆Italian PMP drive axle has the characteristics of high load and large torque
- ◆Integrated instrument cluster, reasonable operation space.
- ◆LED headlights make the operation area brighter.

主要配置 Main configuration



- ◆CAN 通讯大屏幕 LED 仪表, 显示信息量大, 具有良好的电磁兼容及防水防尘特性;
- ◆CAN, LED Meter, Integrated display, EMC and Water-dust prevention.



- ◆磷酸铁锂电池, 具有效率高、寿命长、高安全、无污染等特点;
- ◆The lithium iron phosphate battery has the characteristics of high efficiency, long life, high safety and no pollution



- ◆汽车专用手排挡, 荧光显示档位, 带锁定功能, 防误操作;
- ◆Vehicle transmission, fluorescent display, lock-out function for mistake operation.



- ◆驱动桥和驱动电机集成为一体, 支持车辆紧凑的动力布局, 具有高承载, 大扭矩的特点;
- ◆The drive axle and reducer are integrated to support the compact power layout of the vehicle.



- ◆Inmotion 电控系统能实现电机参数的自动匹配, 通过配套 CAN 及无线通信的车载仪表可进行远程控制;
- ◆The system can realize the automatic matching of motor parameters, and can be controlled remotely by CAN and wireless communication.

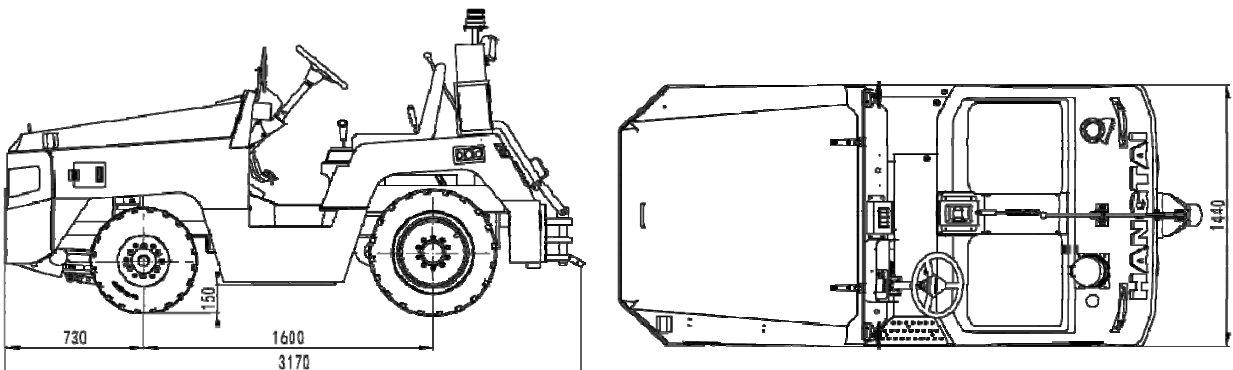


- ◆牵引车左侧后方配备微动开关, 可在连接、解除牵引销作业时进行微动操作;
- ◆The rear left side of the tractor is equipped with a microswitch, which can operate when connecting and releasing the traction pin

主要技术参数 Technical parameter

特性		Characteristic			
型号	Model		TB20L	TB25L	TB30L
额定牵引重量	Rated traction	kg	20000	25000	30000
自重	Service weight	kg	3550	3700	3850
尺寸参数		Dimension parameter			
总长	Overall length	mm	3170		
总宽	Overall width	mm	1440		
总高	Overall height	mm	1450		
轴距	Wheelbase	mm	1600		
前轮距	Front wheel tread	mm	1230		
后轮距	Rear wheel tread	mm	1200		
牵引栓高度	Towing coupler height	mm	305/405		
最小离地间隙	Ground clearance	mm	150		
最小转弯半径	Turning radius	mm	2950		
性能参数		Performance parameter			
行驶速度（满载/空载）	Speed(loaded/unloaded)	km/h	27/12	27/11	27/10
前载荷	Front axle load	kg	1450	1430	1400
后载荷	Rear axle load	kg	2100	2270	2450
最大牵引力	Max drawbar pull	kN	23	25	27
续驶里程	Mileage	km	220	215	210
电动机		Motor			
额定功率	Rated output	kW	28.7		
额定扭矩	Rated torque	N.m	112		
额定转速	Rated speed	r.p.m	2420		
额定电压	Rated voltage	V	50		
额定电流	Rated current	A	408		
绝缘等级	Insulation grade		H		
控制器		Controller			
工作电压	Working voltage	V	80		
最大工作电流	Max working current	A	550		
电池电压/电量	Battery voltage/capacity	V/Ah	80/831		

车辆外形图 Vehicle dimensions



样本中涉及的图片及数据仅供参考，如有变更，恕不另行通知。

Pictures for reference only.