

KRC

CRANE SYSTEMS

BROCHURE

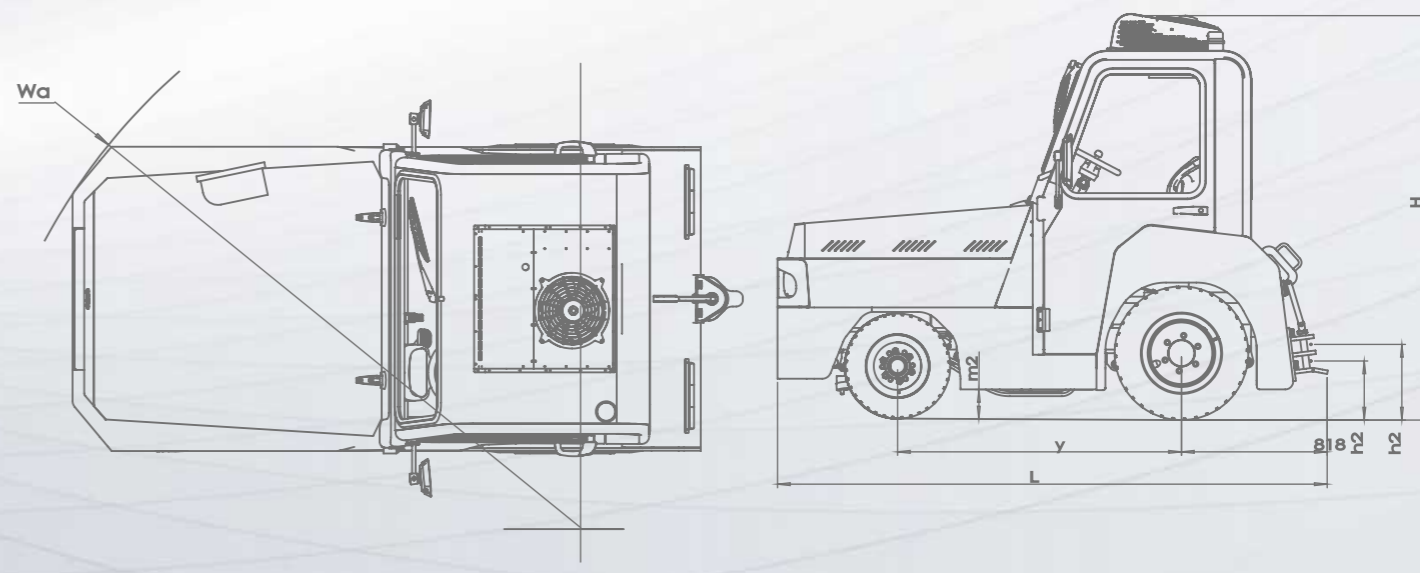
WAREHOUSING TRANSPORT

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25 ton electric Luggage tractor

- 1.EPQ250 electric luggage tractor has the advantages of low noise, no pollution and large traction, and is widely used in cargo transportation and traction operations in airports, freight service stations, docks, warehouses and other industries.
- 2.Equipped with a full AC drive system, it has the characteristics of strong climbing ability, maintenance-free, regenerative braking, good working stability and high efficiency.
- 3.The American CURTIS control system, with multiple automatic protection systems, provides a higher level of functional safety.
- 4.Suspension torsion beam structure is adopted for the front and rear axles, and damping leaf spring buffer dampers are installed to reduce the shaking of the vehicle and maintain the stability of the vehicle.
- 5.The main structure of the whole vehicle is composed of square tube welding, streamlined shape, beautiful and generous appearance, which is suitable for traction and pushing operation.
- 6.The vacuum assisted braking system is adopted for braking, which increases the pressure of the hydraulic system, makes the braking light and enhances the braking performance. Combined with the design of front disc and rear drum, the braking effect is improved, the ventilation and heat dissipation are good, the braking is linear, the control is good, and the driving safety and comfort are improved.
- 7.The unique arched design cab is strong. It adopts a two-door design with a double-row seat layout, and can be equipped with fans, parking air conditioners, etc.

25吨电动行李牵引车 EPQ250

25Ton Electric Luggage Tractor EPQ250

产品型号 Product model		EPQ250		
动力类型 Power type		磷酸铁锂电池 Lithium iron phosphate battery		
性能 Performance	最大挂钩牵引力 Max. hook traction	KN	22.5	
	额定挂钩牵引力 Rated hook traction		12	
	额定牵引能力 Rated traction capacity	牵引单车 Trailer	Kg	25000
	最大行驶速度 Max. travel speed	前进 (空载) Forward (no load)	Km/h	22
		后退 Backward		10
	最小转弯半径 Min. turning radius	Wa	mm	2800
	空载最大爬坡能力 Max. gradeability, no load		%	30
最大制动距离 Max. braking distance	无拖挂、初速度19.3Km/h No towing, initial speed 19.3km/h		5.7	
	牵引额定重量、初速度10Km/h Towing rated weight, initial speed 10Km/h	m	4.7	
	牵引重量11340Kg、初速度10Km/h Towing weight 11340Kg, initial speed 10Km/h		3.3	
外形尺寸 Dimension	总长 (包括牵引栓) Overall length (including traction bolt)	L	3085	
	总宽 Overall width	W	1403	
	总高 (有驾驶室含警灯) Overall height (with cab and warning lights)	H	2270	
	前轮距 Front wheel track	b1	1220	
	后轮距 Rear wheel track	b2	1190	
	轴距 Wheelbase	Y	1600	
	牵引栓拖挂高度上/下 Towing height upper / under the traction bolt	h2	310/400	
	最小离地间隙 Min. ground clearance	m2	165	
轮胎 Wheel	轮胎规格 Tyre specification	前轮 Front wheel	6.50-10PR	
		后轮 Rear wheel	7.00-15PR	
重量 Weight	整备重量 (带驾驶室) Vehicle weight (with cab)		5310	
	空载轴荷 (带驾驶室) No-load axle load (with cab)	前轴 Front axle	1820	
		后轴 Rear axle	3490	
额定转速 Rated rotating speed		rpm	2065	
额定功率 Rated power		Kw	23	
额定扭矩 Rated torque		N.m	106.5	
额定功率 Rated power		Kw	2.5	
变速齿轮比 Transmission gear ratio			23.5	
电池 Battery	电压/容量 Voltage / capacity	V/Ah	80V/600Ah	
转向 Steering	液压助力转向 Hydraulic power steering			
制动 Braking	真空助力制动系统 Vacuum assist brake system			
	行车制动 Service brake	后轮鼓式前轮钳式制动 Rear wheel drum brake and front wheel caliper brake		
	驻车制动 Parking brake	机械式后轮制动 Mechanical rear wheel brake		

Electric Tow Tractor (Seated Type) EPQ-B



- 1.4-6T models are equipped with large space luggage compartment as standard, which can provide traction services for baggage, cargo and mail loaded and unloaded by aircraft.
- 2.The American CURTIS control system, with multiple automatic protection systems, provides a higher level of functional safety.
- 3.EPS electronic power steering system makes the operation more light and flexible, and improves the handling stability of high-speed driving.
- 4.AC drive system, with high torque, strong gradeability and strong power, ensures that the vehicle can still drive smoothly on uneven roads and slopes.
- 5.Large diameter solid tire, suitable for a variety of road surfaces.
- 6.The emergency power-off switch is a standard configuration, just pressing the emergency stop button can cut off all power, the vehicle will stop immediately or the power will be cut off quickly in an emergency, providing safety protection.
- 7.Equipped with electricity meter, it is convenient to remind the operator to charge in time and protect the battery.
- 8.Magnetic navigation/laser navigation AGV can be customized.

Electric Tow Tractor (Standing Type) EPQ-A



- 1.The American CURTIS control system, with multiple automatic protection systems, provides a higher level of functional safety.
- 2.German ZF gearbox, multi-functional solution and flexible building module system, optimized gear meshing technology can reduce operating noise and provide customers with high-performance and high-efficiency using experience.
- 3.AC drive system, no carbon brushes, maintenance-free, high-efficiency motor, precise control, and strong output.
- 4.EPS electronic power steering system makes the operation more light and flexible, and improves the handling stability of high-speed driving.
- 5.Drive stepless speed regulation, safety, mute, emergency reverse device / emergency brake switch.
- 6.Low center of gravity design, strong stability when driving.
- 7.Multifunctional handle, integrated control (acceleration, horn, emergency anti-collision, lifting button), man-machine design, more comfortable operation.
- 8.The wide and comfortable operation space improves the comfortable driving feeling for the operator.
- 9.Intelligent electronic braking system can effectively prevent slope sliding.
- 10.Magnetic navigation/laser navigation AGV can be customized.

座驾式电动牵引车 EPQ-B

Electric Tow Tractor (Seated Type) EPQ-B

特性 Characteristic	1.1	型号 Model	EPQ20B	EPQ30B	EPQ40B	EPQ60B	
	1.2	动力 (电动、柴油、汽油、液化气、手动) Power (electric, diesel, gasoline, liquid gas, manual)	电动 Electric	电动 Electric	电动 Electric	电动 Electric	电动 Electric
1.3	操作方式 (手动式、步行式、站驾式、拣选式) Operation mode (manual, walking, standing, picking)	座驾式 Seated type	座驾式 Seated type	座驾式 Seated type	座驾式 Seated type	座驾式 Seated type	
1.4	额定牵引重量 Rated traction weight	Q(t)	2000	3000	4000	6000	
1.5	额定挂钩牵引力 Rated hook traction	C(N)	500	750	1180	1500	
1.6	轴距 Wheelbase	Y(mm)	1040	1040	1360	1360	
重量 Weight	2.1	含蓄电池时自重 Self-weight with battery	kg	880	905	1020	1200
	2.2	电池重量 Battery weight	kg	180	205	355	550
轮子、底盘 Wheels, chassis	3.1	轮子种类 Wheel type	橡胶实心胎 Rubber solid tire	橡胶实心胎 Rubber solid tire	橡胶实心胎 Rubber solid tire	橡胶实心胎 Rubber solid tire	
	3.2	前轮规格 Front Wheel	3.50-5	3.50-5	3.50-5	3.50-5	
	3.3	后轮规格 Rear wheel	4.00-8	4.00-8	4.00-8	4.00-8	
尺寸 Dimension	4.1	整车高度 Vehicle height	h1(mm)	1385	1385	1445	1445
	4.2	座位高度 Seat height	h2(mm)	880	880	900	900
	4.3	牵引挂钩高度 Traction hook height	h3(mm)	300/380	300/380	300/410	300/410
	4.4	后悬距 Rear overhang distance	h13(mm)	480	480	492	492
	4.5	载物平台宽度 Width of loading platform		/	/	420	420
	4.6	车体长度 Vehicle body length	l2(mm)	1710	1710	2030	2030
	4.7	车体宽度 Vehicle body width	b1(mm)	845	845	985	985
	4.8	离地间隙 Ground clearance	m2	100	100	100	100
	4.9	转弯半径 Turning radius	Wa(mm)	1460	1460	1700	1700
性能 Performance	5.1	行驶速度, 空载/满载 Driving speed, no load / full load	km/h	8/6	8/6	8/6	10/8
	5.2	最大爬坡能力, 空载/满载 Max. gradeability, no load/full load	%	10/8	8/6	8/5	10/8
	5.3	最大牵引力, 满载 Max. traction, full load	N	1000	2200	3000	3200
	5.4	行车制动 Service brake		机械+液压 Mechanical + hydraulic	机械+液压 Mechanical + hydraulic	机械+液压 Mechanical + hydraulic	机械+液压 Mechanical + hydraulic
电机 Motor	6.1	驱动电机功率 Driving motor power	kw	2.5	2.5	3	4
	6.2	蓄电池类型 Battery		铅酸 Lead-acid	铅酸 Lead-acid	铅酸 Lead-acid	铅酸 Lead-acid
	6.3	蓄电池电压/电容 Battery voltage / capacitance	V/Ah	24V210Ah	24V240Ah	24V350Ah	48V280Ah
	6.4	充电器 Charger		24V/30A	24V/30A	24V/50A	48V/40A
其他 Others	7.1	驱动控制方式 Driving control mode		交流 AC	交流 AC	交流 AC	交流 AC
	7.2	驾驶员耳边噪音水平根据EN12053 The noise level in the driver's ear is based on EN12053	dB(A)	75	75	75	75

站驾式电动牵引车 EPQ-A

Electric Tow Tractor (Standing Type) EPQ-A

特性 Characteristic	1.1	型号 Model	EPQ30A	
	1.2	动力 (电动、柴油、汽油、液化气、手动) Power (electric, diesel, gasoline, liquid gas, manual)	电动 Electric	电动 Electric
1.3	操作方式 (手动式、步行式、站驾式、拣选式) Operation mode (manual, walking, standing, picking)	站驾式 Standing type	站驾式 Standing type	
1.4	额定牵引重量 Rated traction weight	Q(t)	3000	
1.5	额定牵引力 Rated traction	C(N)	695	
1.6	轴距 Wheelbase	Y(mm)	967	
重量 Weight	2.1	含蓄电池时自重 Self-weight with battery	kg	550
	2.2	电池重量 Battery weight	kg	180
轮子、底盘 Wheels, chassis	3.1	轮子种类 Wheel type	聚氨酯 PU	
	3.2	前轮规格 Front Wheel	∅×w(mm)	Φ150x50
	3.3	后轮规格 Rear wheel	∅×w(mm)	Φ230x75
尺寸 Dimension	4.1	整车高度 Vehicle height	h1(mm)	1600
	4.2	牵引挂钩高度 Traction hook height	h3(mm)	200/270
	4.3	车体长度 Vehicle body length	l2(mm)	1380
	4.4	车体宽度 Vehicle body width	b1 (mm)	850
	4.5	离地间隙 Ground clearance	m2	60
	4.6	转弯半径 Turning radius	Wa(mm)	1160
性能 Performance	5.1	行驶速度, 空载/满载 Driving speed, no load / full load	km/h	6.7/4
	5.2	最大爬坡能力, 空载/满载 Max. gradeability, full load	%	8/6
	5.3	最大牵引力, 满载 Max. traction, full load	N	1800
5.4	行车制动 Service brake		电磁制动 Electromagnetic braking	
电机 Motor	6.1	驱动电机功率 Driving motor power	kw	1.5
	6.2	蓄电池类型 Battery		铅酸 Lead-acid
	6.3	蓄电池电压/电容 Battery voltage / capacitance	V/Ah	24V210Ah
	6.4	充电器 Charger		24V30A
其他 Others	7.1	驱动控制方式 Driving control mode		交流 AC
	7.2	驾驶员耳边噪音水平根据EN12053 The noise level in the driver's ear is based on EN12053	dB(A)	75