

YB16/20-S2

电动前移式叉车
Electric Reach Truck



ZOOMLION

电动前移式叉车 Electric Reach Truck



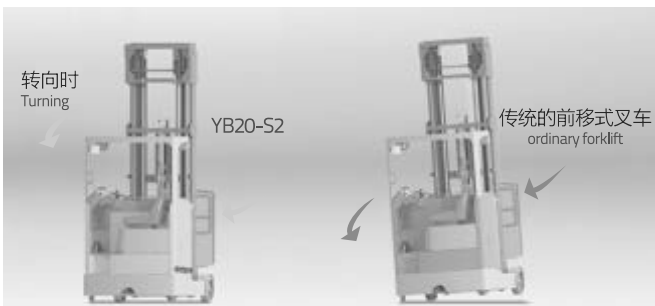
德国进口驱动单元,性能优越,可靠性好,全交流电机无碳刷免维护;
German drive unit with excellent performance and reliance, the AC motor without carbon brush and free maintenance.



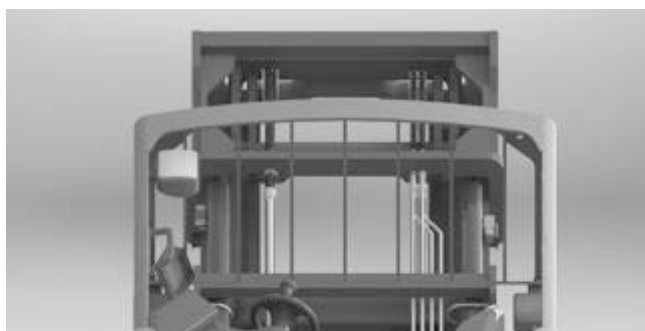
德国进口门架槽钢,以及特别设计的门架结构,有效保证高起升时的车辆的稳定性;
German box iron and specially designed mast make sure stability of vehicle for high position loading.



标配 EPS 电子助力转向系统,操作轻松省力;
Standard EPS electric steering makes operation easy.



弯道降速系统和起升高位限速功能,避免不当操作可能引起的侧翻危险。
Slow-down system for curve and limit spacing system for high position can avoid rollover caused by misoperation.



强化的护顶架设计,视野良好,门架视野最优化设计。
Strong metalwelded Overhead guard improved, the view of the operators.



蓄电池可侧取可吊取,标配侧取电池托架可存放两组电瓶,蓄电池更换方便,不需要额外设备投入。
Both side picking and hang picking for battery changing is applicable, makes operation easier; standard big bracket for 2 batteries, no extra facility for battery needed.



标配 LED 前后大灯
Standard LED front and rear lights.

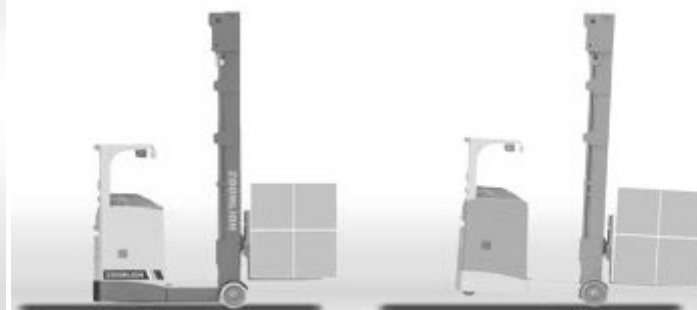
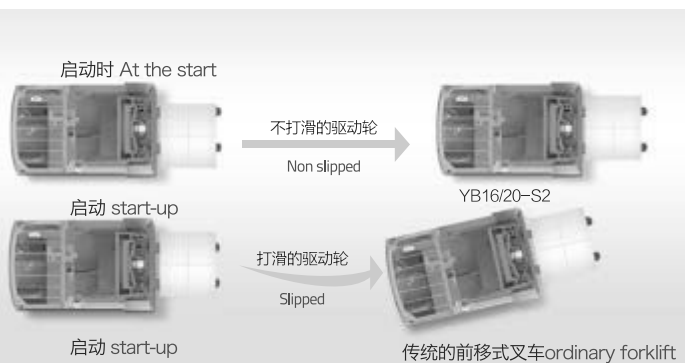


指尖控制系统 (选配)
Optional fingertip control system.



无线摄像头 + 高清显示屏 (选配)
Optional wireless camera and high definition display.

安全更高效 轻松更省力 Safer and more efficient Easier and less effort



制动系统包含再生制动、电磁制动、液压制动三重制动，防止制动时蛇行，安全可靠。
The brake system contains regenerative brake, electromagnetic brake and hydraulic brake, to avoid sidwinding and provide safety.

门架前移和下降缓冲设计，保证作业的平稳。
Automatic speed limit to forwarding and descending ensure the safety of mast loading.

整机参数

特性	Characteristics		YB16-S2	YB20-S2
动力形式	Power	—	电动 (蓄电池)	电动 (蓄电池)
驾驶方式	Operator type	—	座驾式	座驾式
额定载重量	Rated capacity	Q(kg)	1600	2000
载荷中心距	Centre of load	c(mm)	600	600
前悬距	Front overhang	x(mm)	355	378
轴距	Wheelbase	y(mm)	1490	1560
重量	Weight			
自重(含蓄电池)	Curb weight (battery induded)	kg	3158	3332
轴负荷, 空载前移 驱动 / 承载	Axle loading (none load reach) driving/bearing	kg	1392/1613	1580/1752
轴负荷, 空载后移 驱动 / 承载	Axle loading (none load retract) driving/bearing	kg	1855/1150	2130/1202
轴负荷, 满载前移 驱动 / 承载	Axle loading (full load reach) driving/bearing	kg	710/3895	783/4629
轴负荷, 满载后移 驱动 / 承载	Axle loading (full load retract) driving/bearing	kg	1622/2983	1942/3390
车轮	Wheels			
轮胎 驱动 / 承载	Tire driving/bearing	—	聚氨酯/聚氨酯 Polyurethane	聚氨酯/聚氨酯 Polyurethane
轮胎尺寸, 驱动	Driving tire size	—	φ 343×140	φ 343×140
轮胎尺寸, 承载	Bearing tire size	—	φ 285×100	φ 350×108
车轮数量 驱动 / 承载(x= 驱动)	Wheel No. driving/bearing (x=driven)	—	1x/2	1x/2
轮距, 承载	Track width , load wheel	b11(mm)	1194	1186
尺寸	Dimensions			
货叉滑架 前倾 / 后倾	Fork carriage tile angle,forward/backward	°	2/4	2/4
门架回缩高度	Height of mast,lowered	h1(mm)	2240	2240
自由起升高度	Free lifting height	h2(mm)	1335	1335
起升高度	Lifting height	h3(mm)	4500	4500
门架高度, 伸展	Height of mast,extended	h4(mm)	5510	5510
驾驶室高度	Height of overhead guard(cab)	h6(mm)	2180	2180
座椅高度	Height of seat	h7(mm)	1090	1090
支撑臂高度	Height of reach legs	h8(mm)	306	378
总体长度	Overall length	L1(mm)	2435	2642
至叉面长度	Length to fork face	L2	1365	1422
总体宽度	Overall width	b1/b2	1270/1294	1270/1294
货叉尺寸	Fork dimensions	s/e/(mm)	35/100/1070	40/122/1220
货架宽度	Fork arm carrier width	b3(mm)	760	760
货叉外侧宽度 最小, 最大	Fork outer width,minumum/maximum	b5(mm)	244/750	244/750
支撑臂内侧宽度	Width between reach legs	b4(mm)	920	920
前移距离	Reach travel	L4(mm)	530	585
门架离地间隙, 满载	Ground clearance,mast	m1(mm)	80	80
轴距中心离地间隙	Ground clearance,centre of wheelbase	m2(mm)	90	90
堆垛通道宽度, 1×1.2m 托盘横向	Aisle width,pallet 1000×1000 pallet crossways	Ast1(mm)	2594	2668
堆垛通道宽度, 1.2×0.8m 托盘纵向	Aisle width,pallet 800×1200 pallet lengthways	Ast2(mm)	2793	2867
转弯半径	Outer turning radius	Wa(mm)	1751	1825
至支撑臂长度	Length to reach legs	L7(mm)	1863	1975
性能数据	Perf			
行驶速度 满载 / 空载	Travel speed,laden / unladen	km/h	9/9,5	9/9,5
起升速度 满载 / 空载	Lifting speed,laden / unladen	mm/s	260/360	260/360
下降速度 满载 / 空载	Lowering speed,laden / unladen	mm/s	500/400	500/400
前移速度 满载 / 空载	Forward speed laden / unladen	mm/s	100	100
最大爬坡能力 满载 / 空载	Maximum gradeability,laden / unladen	%	10/15	10/15
加速时间 满载 / 空载	Accelerating time laden / unladen	s	5,8/5	5,8/5
动力	Power			
驱动电机额定功率	Drive motor	kW	6,4	6,4
起升电机额定功率	Lift motor	kW	8,2	11
转向电机额定功率	Steer motor	kW	0,6	0,6
蓄电池 电压	Battery voltage	V	48	48
蓄电池 容量 5 小时放电率	Battery voltage/capacity(5h)	Ah	500	500
蓄电池自重	Battery weight	kg	786	786
其他	Others			
驱动控制方式	Type of drive control	—	场效应管控制 Mosfet / AC	场效应管控制 Mosfet / AC
属具工作压力	Working pressure	bar	165	165
转向角度	Steering angle	°	180	180

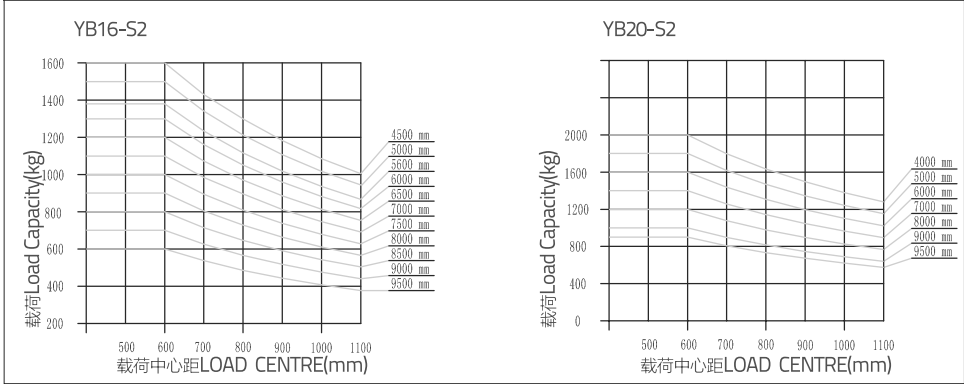
蓄电池容量参数表 Battery capacity parameter list
YB16-S2

容量	电池自重	总体长度	至叉面长度	前悬距	前移距离	堆垛通道宽度 Aisle width	
Battery voltage	Battery weight	Overall length	Length to fork face	Fork overhang	Reach distance	1x1.2m横向crosswise	1.2x0.8m纵向lengthways
Ah	kg	mm	mm	mm	mm	AST1mm	AST2mm
360	633	2435	1365	355	530	2594	2793
400	722	2435	1365	355	530	2594	2793
500	786	2435	1365	355	530	2594	2793
500J	834	2435	1365	355	530	2594	2793
550	808	2435	1365	355	530	2594	2793
600	990	2515	1445	275	450	2674	2873
620J	1048	2515	1445	275	450	2674	2873
700J	1187	2515	1445	275	450	2674	2873
750	1062	2515	1445	275	450	2674	2873
775J	1237	2515	1445	275	450	2674	2873

三级全自由门架 3-stage full free mast

起升高度	回缩	起升	自由起升高度	叉倾角前倾/后倾	整车自重 Service weight	
Lift	Lowered	Mast Extended	Free lift	Tilt of fork carriage forward/backward	YB16-S2	YB16-S2
mm	mm	mm	h2(mm)	$\alpha / \beta (^{\circ})$	kg	kg
4500	2240	5510	1335	2/4	3158	3332
5000	2405	6010	1500	2/4	3263	3437
5300	2505	6310	1600	2/4	3323	3497
5600	2605	6610	1700	2/4	3383	3557
5900	2705	6910	1800	2/4	3443	3617
6000	2740	7010	1835	2/4	3463	3637
6500	2905	7510	2000	2/4	3563	3737
6800	3005	7810	2100	2/4	3623	3797
7000	3075	8010	2170	2/4	3663	3837
7200	3170	8210	2265	1/3	3703	3877
7500	3270	8510	2365	1/3	3763	3937
8000	3435	9010	2530	1/3	3873	4047
8500	3610	9510	2705	1/3	3973	4147
9000	3775	10010	2870	1/3	4073	4247
9500	3940	10510	3035	1/3	4173	4347

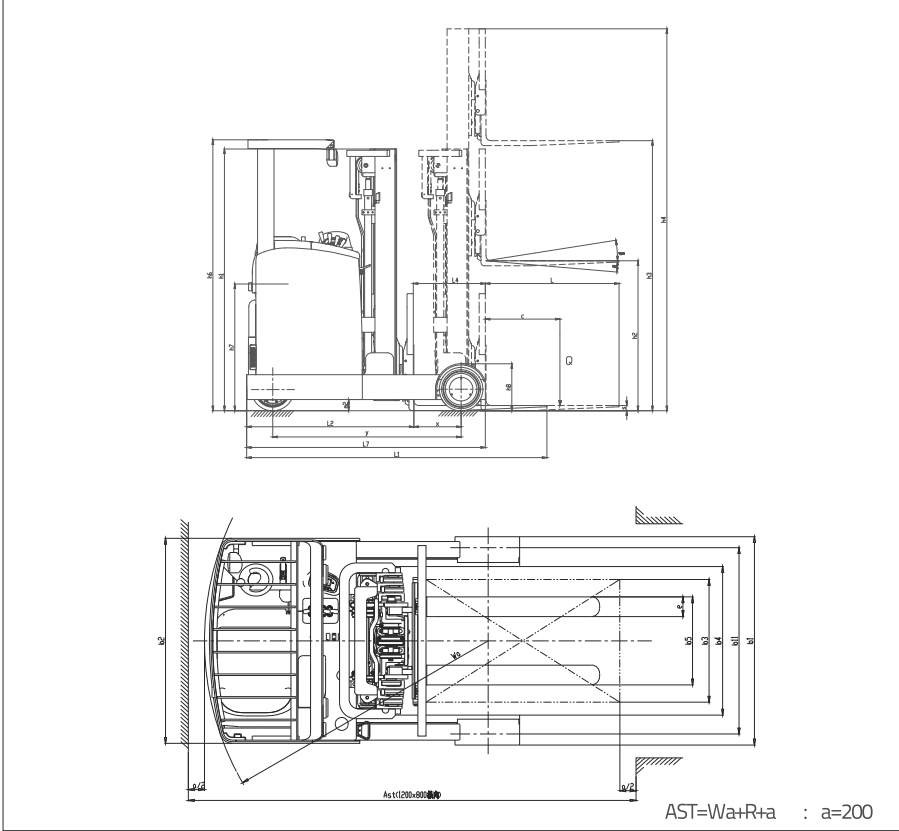
载荷曲线图 CAPACITY CHART



YB20-S2

容量	总体长度	至叉面长度	前悬距	前移距离	堆垛通道宽度 Stacking channel width	
Battery voltage	Overall length	Length to fork face	Fork overhang	Fork rake	1x1.2m横向transverse	1.2x0.8m纵向endwise
Ah	mm	mm	mm	mm	AST1mm	AST2mm
500	2642	1422	378	585	2668	2867
500J	2642	1422	378	585	2668	2867
550	2642	1422	378	585	2668	2867
600	2665	1445	355	562	2691	2890
620J	2665	1445	355	562	2691	2890
700J	2665	1445	355	562	2691	2890
750	2665	1445	355	562	2691	2890
775J	2665	1445	355	562	2691	2890

整机二维图 Machine 2D graph





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