

ELECTRIC



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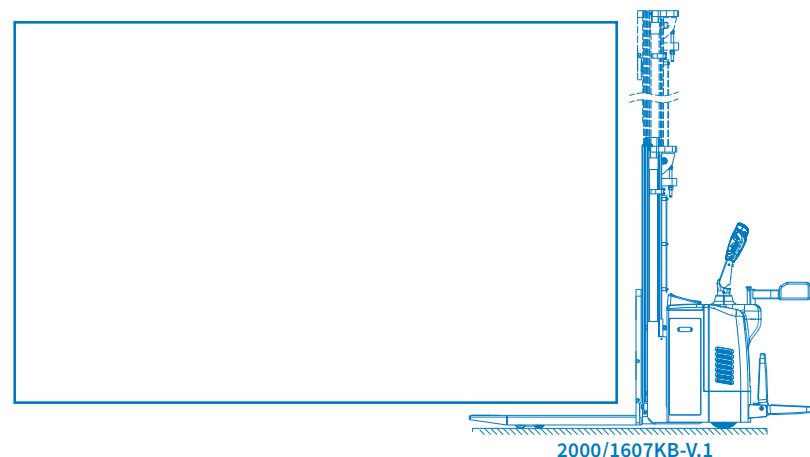
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Electric Warehouse Truck

STACKER

ES15



2000/1607KB-V.1



ES15Z (Straddle)

ES15-T (Platform)

ES15 (Walkie)

Features

Service-friendly layout

Drive motor, controller and pump structure is well organized, easy for maintenance



ZAPI controller

AC system with Zapi controller ensuring better performance and less maintenance



Electronic steering system

Electronic steering system improves working efficiency



Tiller

Smooth operation of control lever with reverse stop protection switch, offering comfortable driving experience



Side battery

Side removable battery is standard, making operation more convenient



Bolt-on battery

Bolt-on battery easy for maintenance



Solid mast with protection guard

Wide view mast with dual-lift cylinder for more stable lifting operation, and protection grill ensuring both visibility and safety



Integrated forks

Solid and durable



Zapi hour meter

Forklift status can be easily read from the hour meter



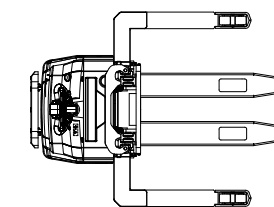
Armguard & platform

Applied as standard specifications for ES15-T



Straddle stacker

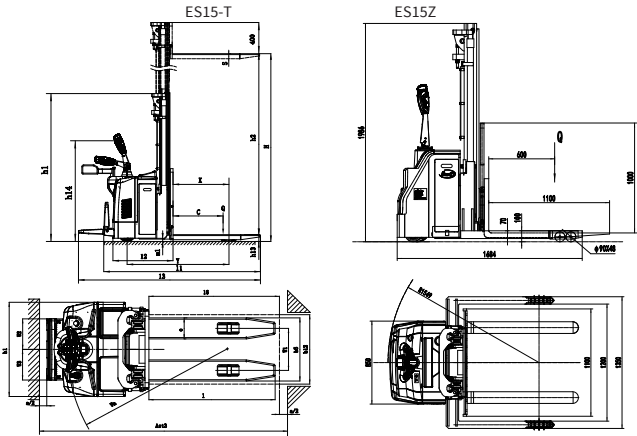
Optional straddler for more working conditions



Mast Specification

Mast type	Lifting height of forks h3(mm)	Retracted height h1(mm)	Free lifting height h2(mm)	Max height without load backrest (mm)	Max height with load backrest h4(mm)
VM Standard wide-view	2500	1736.5	187.5	2900	3360
	3000	1986.5	187.5	3400	3860
	3300	2136.5	187.5	3700	4160
	3600	2286.5	187.5	4000	4460
	4000	2486.5	187.5	4400	4860
	4200	2586.5	187.5	4600	5060
	4500	2736.5	187.5	4900	5360
	5000	2986.5	187.5	5400	5860
VFM Full free duplex	2900	1840	1410	3300	3760
	3300	2040	1610	3700	4160
	3700	2240	1810	4100	4560
	4150	2465	2034	4550	5010
VFHM Full free triplex	3300	1595.5	1060	3700	4160
	3700	1728.5	1193	4100	4560
	4150	1878.5	1343	4550	5010
	4500	1995.5	1460	4900	5360
	4800	2095.5	1560	5200	5660

Specification



Distinguishing mark	1.2	Manufacture's type designation—Baoli	—	ES15	ES15-T	ES15Z
	1.3	Power (battery, diesel, petrol, gas, manual)	—	electric	electric	electric
	1.4	Operator type	—	pedestrian	stand-on	pedestrian
	1.5	Load Capacity / rated load	Q(t)	1.5	1.5	1.5
	1.6	Load centre distance	c(mm)	600	600	600
Weight	1.8	Load distance, centre of drive axle to fork	x(mm)	726	726	738
	1.9	Wheelbase	Y(mm)	1310	1310	1346
	2.1	Service weight	kg	1040	1180	1290
Tyres, Chassis	2.2	Axle loading, laden front/rear	kg	876/1624	876/1624	1007/1783
	2.3	Axle loading, unladen front/ rear	kg	732/268	732/268	853/437
	3.1	Tyres	—	PU	PU	PU
	3.2	Tyre size, front	Φ× w (mm)	Φ230×82	Φ230×82	Φ230*70
	3.3	Tyre size, rear	Φ× w (mm)	Φ85 × 70	Φ85 × 70	Φ90*48
	3.4	Additional wheels (dimensions)	Φ× w (mm)	Φ100× 50	Φ100× 50	Φ100× 50
	3.5	Wheels, number front/rear (x=driven wheels)	—	1x+2/4	1x+2/4	1x+2/2*2
	3.6	Tread, front	b10mm	590	590	590
	3.7	Tread, rear	b11 (mm)	380/495	380/495	1275
	4.2	Lowered mast height	h1 (mm)	1986	1986	1986
Dimensions	4.3	Free Lift height	h2 (mm)	100	100	100
	4.4	Lift Height	h3 (mm)	3000	3000	3000
	4.5	Extended mast height	h4 (mm)	3860	3860	3860
	4.9	Height of tiller in drive position min./ max.	h14mm	1080/1400	1080/1400	1080/1400
	4.15	Height, lowered	h13mm	≤90	≤90	100
	4.19	Overall length	l1mm	1925	2010/2365	1933
	4.20	Length to face of forks	l2mm	1652	1652	833
	4.21	Overall width	b1mm	850	850	1350
	4.22	Fork dimensions	s/e/l (mm)	66/190/1150	66/190/1150	35 /120/1100
	4.25	Distance between fork- arms	b5 (mm)	570/685	570/685	1350
	4.32	Ground clearance, centre of wheelbase	m2mm	30	30	30
	4.33	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	2470	2470	2440
	4.34	Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	2433	2433	2440
	4.35	Turning radius	Wa (mm)	1610	1610	1550
	5.1	Travel speed, laden/ unladen	km/h	4.5/5	4.5/5	4.5/5
Performance data	5.2	Lift speed, laden/ unladen	m/s	0.150/0.210	0.150/0.210	0.120/0.210
	5.3	Lowering speed, laden/ unladen	m/s	0.130/0.170	0.130/0.170	0.140/0.130
	5.8	Max. gradeability, laden/ unladen	%	5/10	5/10	5/10
Electric- Motor	5.10	Service brake	—	Electromagnetic	Electromagnetic	Electromagnetic
	6.1	Drive motor rating S2 60min	kW	1.5	1.5	1.5
	6.2	Lift motor rating at S3 7.5%	kW	3	3	3
	6.3	Battery acc. to DIN43 531/35/36 A, B, C, no	—	43535/no	43535/no	43535/no
	6.4	Battery voltage, nominal capacity K51)	V/Ah	24/270	24/270	24/270
	6.5	Battery weight	kg	260	260	260
Additional data	6.6	Energy consumption acc. to VDI cycle	Kwh/h	2.34	2.34	2.34
	8.1	Type of drive control	—	AC-speed control	AC-speed control	AC-speed control
	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	<75	<75	<75