

ES-S

16/20 SERIES

RIDER-CONTROL ELECTRIC PALLET STACKER

Capacity 1600 / 2000 KGS

Up to 6 meters

Drive by lead-acid battery



Emergency button

Located where you can easily reach and control, assuring safety for people and vehicle.

Emergency reverse

Horn

Lifting & Lowering



Drive control

Turtle speed



Safety guardrail

Increase security and protect the safety of users



Solid metal fork

One-piece punching and forming, reinforced steel plate of fork roots, which can enhance the fork's rigidity and load-bearing capacity.



Lead-acid battery drive (Li-Ion Battery optional)

Short charging time, long service life



Technical Specification

	Model		ES16S	ES20S
Distinguishing mark	1.3 Power (battery ,diesel, petrol, gas, manual)		Battery	
	1.4 Operator type		Rider-control	
	1.5 Load capacity / Rated load	Q(t)	1.6	2.0
	1.6 Load centre distance	C (mm)	600	
Weight	1.8 Load distance ,centre of drive axle to fork	X (mm)	620	
	1.9 Wheelbase	Y (mm)	1350	
	2.1 Service weight	kg	1250	
	2.2 Axle loading, laden front/rear	kg	\	
Tires, chassis	2.3 Axle loading, unladen front/rear	kg	\	
	3.1 Tires		PU	
	3.2 Tire size, front	Ø ×w (mm)	Ø 250×70	
	3.3 Tire size, rear	Ø ×w (mm)	Ø 80×70	
Dimensions	3.4 Additional wheels(dimensions)	Ø ×w (mm)	Ø 110×55	
	3.5 Wheels, number front/rear(x=driven wheels)		1x1/2/4	
	3.6 Track, front	b0 (mm)	625	
	3.7 Track, rear	b1 (mm)	410/525	
Performance data	4.2 Lowered mast height	h1 (mm)	1840	
	4.3 Free Lift height	h2 (mm)	1330	
	4.4 Lift height	h3 (mm)	4000	
	4.5 Extended mast height	h4 (mm)	4480	
	4.9 Height of tiller in drive position min./ max.	h10 (mm)	\	
	4.15 Height, lowered	h11 (mm)	90	
	4.19 Overall length	l1 (mm)	2080	
	4.20 Length to face of forks	l2 (mm)	930	
	4.21 Overall width	b1 (mm)	820	
	4.22 Fork dimensions	s/e/l (mm)	60/160/1150	
	4.25 Distance between fork-arms	b5 (mm)	570/685	
	4.32 Ground clearance, centre of wheelbase	m2 (mm)	30	
	4.33 Aisle width for pallets 1000X1200 crossways	Ast (mm)	2470	
	4.34 Aisle width for pallets 800X1200 lengthways	Ast (mm)	2465	
Electric-engine	4.35 Turning radius	Wa (mm)	1560	
	5.1 Travel speed, laden/ unladen	Km/h	5.5/5.8	
	5.2 Lift speed, laden/ unladen	m/s	0.1/0.12	
	5.3 Lowering speed, laden/ unladen	m/s	0.12/0.1	
Additional data	5.8 Max. gradeability, laden/ unladen	%	5/8	
	5.10 Service brake		Electromagnetic	
	6.1 Drive motor rating S2 60min	kw	1.5/2(AC)	
	6.2 Lift motor rating at S3 4.5%	kw	2.2/3	
Electric-engine	6.3 Battery acc. to DIN 43531/35/36 A, B, C, no		\	
	6.4 Battery voltage, nominal capacity K5	V/Ah	24/210(270) / 24/(150,175,200,230)	
	6.5 B Battery weight +/-5%	kg	200/250	
	6.6 Energy consumption acc; to VDI cycle	kWh/h	\	
Additional data	8.1 Type of drive control		AC speed control	
	8.4 Sound level at driver's ear acc. to EN 12053	dB(A)	69	

