

HES10 /15 /10 FRLE



**Top quality semi-electric stacker
1000 and 1500 kg maximum load capacity**

DESCRIPTION

This semi-electric stacker is the best value solution for different stacking applications and truck loading and unloading operations.

FEATURES

- Rated load capacity of 1000 and 1500 kg
- 1600 to 3500 mm lift height range according to model
- Profiled steel mast
- Hard chrome piston
- Adjustable lift chain
- Powerful lift motor 1,5 kw
- FEM mainframe, adjustable forks and straddle legs on HES10 FRLE



HES10



HES15



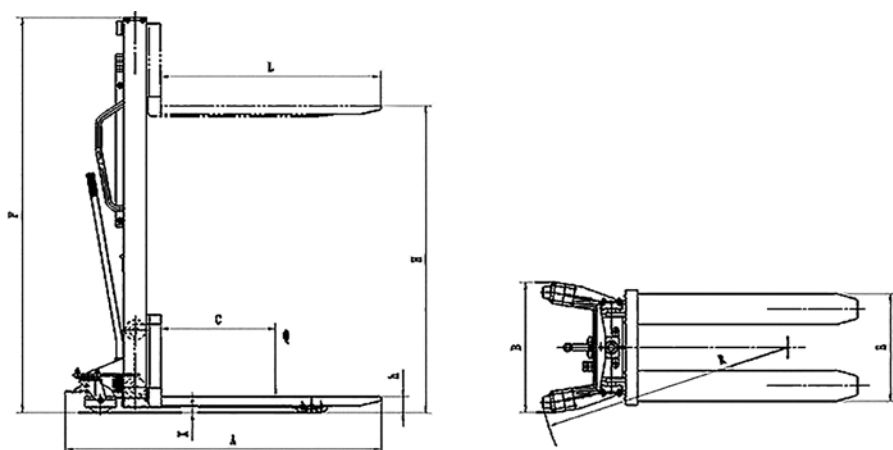
HES10 FRLE



The hand lever provides excellent precision for lift and lower operations. An automatic battery cut-off switch prevents any unauthorized use.

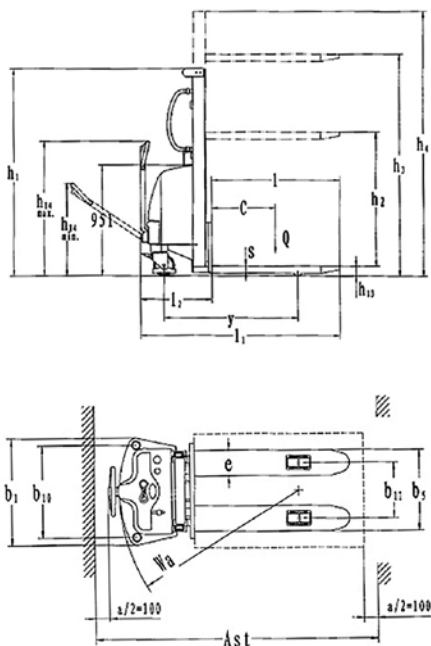


Additional protection on the steering wheels and a mechanical parking brake protect the operators' feet.



A built-in 150 Ah maintenance-free battery supplies enough power to carry out frequent stacking operations. The built-in charger ensures easy and more reliable battery charging.

Technical data according to VDI 2198 regulation					
Specifications	1.2	Product Reference ♦ Model		HES10/1600	HES10/2500
	1.3	Power supply		manual	manual
	1.4	Operator type		pedestrian	
	1.5	Load capacity	Q(t)	1	1
	1.6	Load center distance	c(mm)	600	600
	1.8	Distance from carriage to caster axle	x(mm)	795	795
	1.9	Wheelbase	y(mm)	1210	1210
Weight	2.1	Weight (batteries included)	kg	330	410
Wheels	3.1	Wheels		nylon/polyurethane (PU)	
	3.2	Steering wheel dimensions	Øxw(mm)	Ø180x50	Ø180x50
	3.3	Load rollers dimensions	Øxw(mm)	Ø74x70	Ø74x70
	3.4	Stabilizing rollers dimensions	Øxw(mm)	Ø100x40	Ø100x40
	3.5	Number of front/rear wheels (x=driving wheel)		2/4	2/4
	3.6	Front axle wheelbase	b10(mm)	680	680
	3.7	Load roller wheelbase	b11(mm)	400/490	400/490
Dimensions	4.2	Mast lowered height	h1(mm)	1980	1830
	4.4	Standard lift	h3(mm)	1600	2500
	4.5	Mast raised height	h4(mm)	1980	3070
	4.9	Tiller height in drive position min/max	h14(mm)	790/1156	790/1156
	4.15	Fork lowered height	h13(mm)	85	85
	4.19	Overall length	l1(mm)	1710	1720
	4.20	Front axle to fork face length	l2(mm)	610	620
	4.21	Overall width	b1(mm)	777	777
	4.22	Fork dimensions	s/e/l(mm)	60/180/1100	60/180/1100
	4.25	Width across forks	b5(mm)	570	570
	4.33	Aisle width for 1000x1200 mm pallets crossways	Ast(mm)	2232	2232
	4.34	Aisle width for 800x1200 mm pallets lengthways	Ast(mm)	2166	2166
	4.35	Turning radius	Wa(mm)	1400	1400
Performances	5.2	Lift speed, laden/unladen	mm/s	90/140	90/140
	5.3	Lowering speed, laden/unladen	mm/s	100/120	100/120
	5.10	Service brake		manual	manual
Electrical system	6.2	Lift motor rating at S3 60 min	kW	1,5	1,5
	6.4	Battery voltage, nominal capacity K5	V/Ah	12/150	12/150
	6.5	Battery weight	kg	45	45
Additional data	8.4	Noise level at driver's ear acc. to EN12053	dB(A)	67	67



Technical data according to VDI 2198 regulation

Specifications	1.2	Product Reference ♦ Model		HES15/1600	HES15/2500	HES15/3000	HES15/3500
	1.3	Power supply		manual	manual	manual	manual
	1.4	Operator type		pedestrian			
	1.5	Load capacity	Q(t)	1,5	1,5	1,5	1,5
	1.6	Load center distance	c(mm)	600	600	600	600
	1.9	Wheelbase	y(mm)	1180	1180	1180	1180
Weight	2.1	Weight (batteries included)	kg	436	516	543	570
Wheels	3.1	Wheels		nylon/polyurethane (PU)			
	3.2	Steering wheel dimensions	Øxw(mm)	Ø180x50	Ø180x50	Ø180x50	Ø180x50
	3.3	Load rollers dimensions	Øxw(mm)	Ø74x70	Ø74x70	Ø74x70	Ø74x70
	3.5	Number of front/rear wheels (x=driving wheel)		2/4	2/4	2/4	2/4
	3.6	Front axle wheelbase	b10(mm)	680	680	680	680
	3.7	Load roller wheelbase	b11(mm)	390/490	390/490	390/490	390/490
Dimensions	4.2	Mast lowered height	h1(mm)	1980	1780	2030	2280
	4.4	Standard lift	h3(mm)	1600	2500	3000	3500
	4.5	Mast raised height	h4(mm)	1980	3020	3520	4020
	4.9	Tiller height in drive position min/max	h14(mm)	790/1156	790/1156	790/1156	790/1156
	4.15	Fork lowered height	h13(mm)	85	85	85	85
	4.19	Overall length	l1(mm)	1725	1725	1725	1725
	4.20	Front axle to fork face length	l2(mm)	626	626	626	626
	4.21	Overall width	b1(mm)	777	777	777	777
	4.22	Fork dimensions	s/e/l(mm)	60/180/1100	60/180/1100	60/180/1100	60/180/1100
	4.25	Width across forks	b5(mm)	570	570	570	570
	4.33	Aisle width for 1000x1200 mm pallets crossways	Ast(mm)	2255	2255	2255	2255
	4.34	Aisle width for 800x1200 mm pallets lengthways	Ast(mm)	2212	2212	2212	2212
	4.35	Turning radius	Wa(mm)	1400	1400	1400	1400
Performances	5.2	Lift speed, laden/unladen	mm/s	65/100	65/100	65/100	65/100
	5.3	Lowering speed, laden/unladen	mm/s	70/85	70/85	70/85	70/85
	5.10	Service brake		manual	manual	manual	manual
Electrical system	6.2	Lift motor rating at S3 60 min	kW	1,5	1,5	1,5	1,5
	6.4	Battery voltage, nominal capacity K5	V/Ah	12/150	12/150	12/150	12/150
	6.5	Battery weight	kg	45	45	45	45
Additional data	8.4	Noise level at driver's ear acc. to EN12053	dB(A)	67	67	67	67

HES10 FRLE

**ADJUSTABLE FORKS
+ STRADDLE LEGS**



Technical data according to VDI 2198 regulation

Specifications	1.2	Product Reference ♦ Model		HES10/1600FRLE	HES10/2500FRLE	HES10/3000FRLE
	1.3	Power supply		manual	manual	manual
	1.4	Operator type		pedestrian		
	1.5	Load capacity	Q(t)	1	1	1
	1.6	Load center distance	c(mm)	600	600	600
	1.9	Wheelbase	y(mm)	1318	1318	1318
Weight	2.1	Weight (batteries included)	kg	630	690	710
Wheels	3.1	Wheels		nylon/polyurethane (PU)		
	3.2	Steering wheel dimensions	Øxw(mm)	Ø180x50	Ø180x50	Ø180x50
	3.3	Load rollers dimensions	Øxw(mm)	Ø80x93	Ø80x93	Ø80x93
	3.5	Number of front/rear wheels (x=driving wheel)		2/2	2/2	2/2
	3.6	Front axle wheelbase	b10(mm)	680	680	680
	3.7	Load roller wheelbase	b11(mm)	1182/1382	1182/1382	1182/1382
Dimensions	4.2	Mast lowered height	h1(mm)	2044	1854	2104
	4.4	Standard lift	h3(mm)	1600	2500	3000
	4.5	Mast raised height	h4(mm)	2044	3094	3594
	4.9	Tiller height in drive position min/max	h14(mm)	790/1156	790/1156	790/1156
	4.15	Fork lowered height	h13(mm)	70	70	70
	4.19	Overall length	l1(mm)	1800	1800	1800
	4.20	Front axle to fork face length	l2(mm)	650	650	650
	4.21	Overall width	b1(mm)	1294/1494	1294/1494	1294/1494
	4.22	Fork dimensions	s/e/l(mm)	35/100/1100	35/100/1100	35/100/1100
	4.25	Width across forks	b5(mm)	570	570	570
	4.33	Aisle width for 1000x1200 mm pallets crossways	Ast(mm)	2382	2382	2382
	4.34	Aisle width for 800x1200 mm pallets lengthways	Ast(mm)	2252	2252	2252
	4.35	Turning radius	Wa(mm)	1580	1580	1580
Performances	5.2	Lift speed, laden/unladen	mm/s	90/140	90/140	90/140
	5.3	Lowering speed, laden/unladen	mm/s	100/120	100/120	100/120
	5.10	Service brake		manual	manual	manual
Electrical system	6.2	Lift motor rating at S3 60 min	kW	1,5	1,5	1,5
	6.4	Battery voltage, nominal capacity K5	V/Ah	12/150	12/150	12/150
	6.5	Battery weight	kg	45	45	45
Additional data	8.4	Noise level at driver's ear acc. to EN12053	dB(A)	67	67	67

RESIDUAL CAPACITY

SX ♦ Single

DX ♦ Duplex

TX ♦ Triplex

SL ♦ Straddle legs

FFL ♦ Full free lift

LI ♦ Initial lift

LP ♦ Proportional lift

DA ♦ Electrical power steering

SC ♦ Built-in weighing scale

CP ♦ Pin code

HES15 ♦ PP. 78 TO 81

HES15/1600

HES15/2500

HES15/3000

HES15/3500



HES15/1600

h3 (mm)	Q (kg)		
1600	1500	1500	
cdg (mm)	600	700	

HES15/2500

h3 (mm)	Q (kg)		
2500	1500	1200	
1600	1500	1500	
cdg (mm)	600	700	

HES15/3000

h3 (mm)	Q (kg)		
3000	1000	800	
2500	1500	1200	
1600	1500	1500	
cdg (mm)	600	700	

HES15/3500

h3 (mm)	Q (kg)		
3500	800	600	
3000	1000	800	
2500	1500	1200	
1600	1500	1500	
cdg (mm)	600	700	