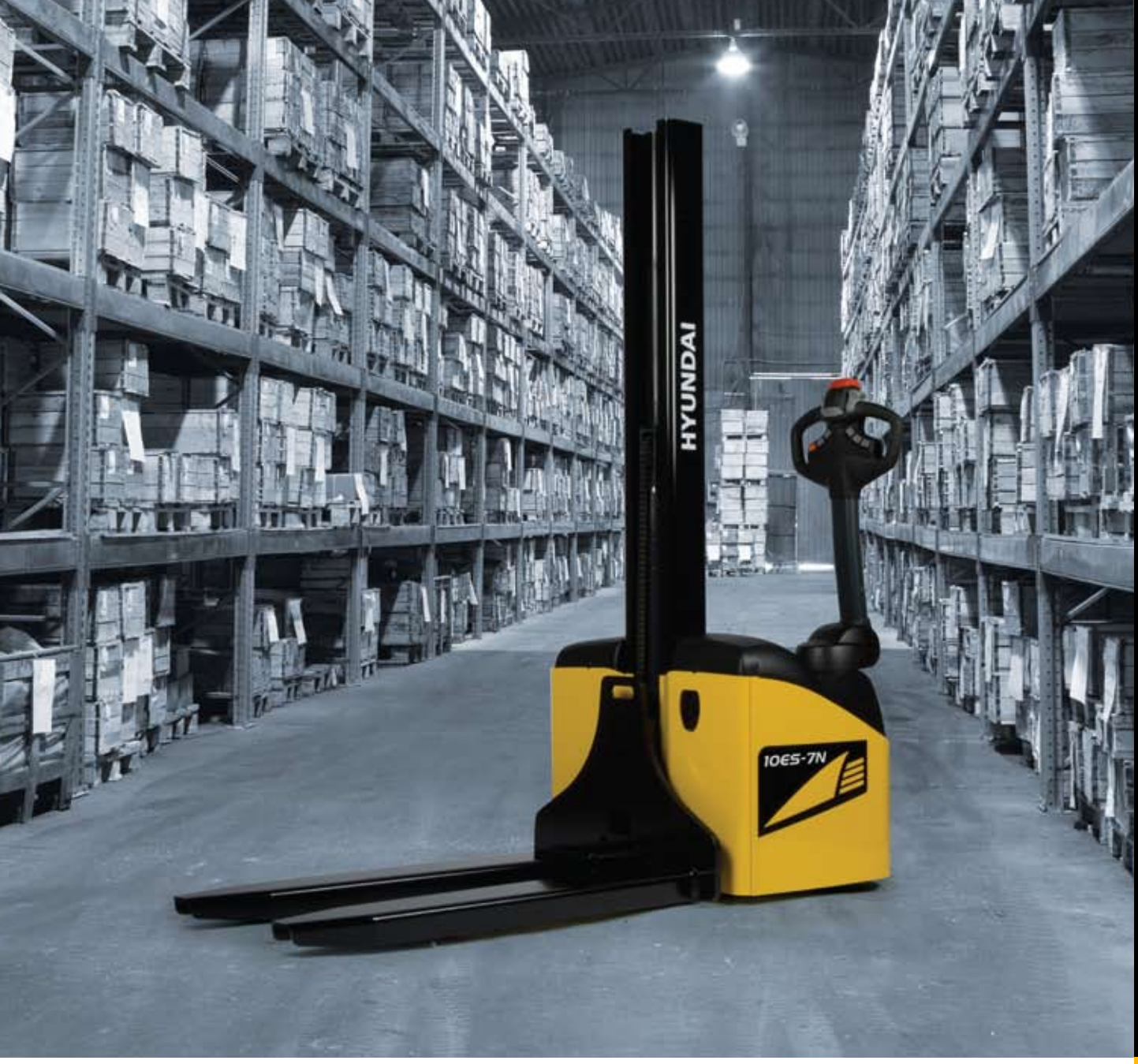

We build a better future

10ES-7N
14ES-7N

WAREHOUSE EQUIPMENT Electric stacker

HYUNDAI
HEAVY INDUSTRIES EUROPE
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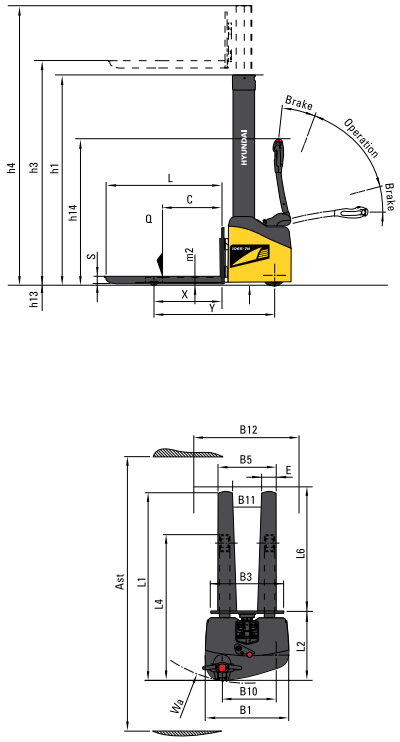
DIMENSIONS



DETAIL

SPECIFICATIONS

Identification			10 ES - 7N	10 ES - 7N	14 ES - 7N
1.1	Manufacturer		Hyundai	Hyundai	Hyundai
1.2	Type		10ES-7N	10ES-7N	14ES-7N
1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas, manual		Battery	Battery	Battery
1.4	Type of operation: hand, pedestrian, standing, seated, order-picker		Pedestrian	Pedestrian	Pedestrian
1.5	Load capacity (standard)	kg	1000	1000	1400
1.6	Load center distance	C mm	600 - 500*	600 - 500*	600
1.8	Load distance, fork face to track wheels (raised position)	X mm	642 - 646*	653 - 646*	689
1.9	Wheelbase (drive axle to track wheels) raised / lowered	Y mm	1160 - 1190*	1160 - 1190*	1200
Weights					
2.1	Service weight	kg	500 - 626*	620 - 650*	442
2.2	Axle loading, loaded front / rear	kg	-	-	492 / 1350
2.3	Axle loading, unloaded front / rear	kg	-	-	309 / 133
Wheels					
3.1	Tires		Polyurethane	Polyurethane	Polyurethane
3.2	Tires size, front	mm	1 x (200 x 80)	1 x (200 x 80)	1 x (200 x 80)
3.3	Tires size, rear	mm	78 x 78	78 x 78	2 (78 x 78)
3.4	Outrigger dimensions	mm	125 x 50 – 100 x 40*	125 x 50 – 100 x 40*	1 (125 x 50)
3.5	Wheels, number front / rear (X = driven wheels)		1 x 1/2	1 x 1/2	1 x 1/2
3.6	Track width, front	B10 mm	517	517	517
3.7	Track width, rear	B11 mm	421 – 1000 / 1380*	421 – 1000 / 1380*	388
Basic dimensions					
4.2	Mast height (lowered)	h1 mm	1990	2030	1331
4.3	Free lift	h2 mm	1570	-	-
4.4	Lift height (standard)	h3 mm	1570	2740	818
4.5	Height with mast raised	h4 mm	1995	3400	1331
4.6	Initial lift	h5 mm	-	-	-
4.9	Height of tiller in drive position (max)	h14 mm	1350 / 850	1350 / 850	1350 / 850
4.15	Height of forks (lowered)	h13 mm	90 - 60	90 - 60	80
4.19	Overall length	L1 mm	1828 - 1847*	1817 - 1846*	1820
4.20	Length to face of forks	L2 mm	678 - 711*	667 - 700*	670
4.21	Overall width	B1 mm	806 - 1100 / 1480*	806 - 1100 / 1480*	806
4.22	Fork dimensions L x W x T	S x E x L mm	70 x 180 / 120 x 1150 – 80 x 40 x 950*	70 x 180 / 120 x 1150 – 80 x 40 x 950*	60 x 178 x 1150
4.24	Fork carriage width	B3 mm	700 - 750*	700 - 750*	680
4.25	Width over forks	B5 mm	560 - 720*	560 - 720*	566
4.31	Ground clearance, under mast	m1 mm	30	30 - 35*	32
4.32	Ground clearance, centre of wheelbase	m2 mm	20 - 40*	20 - 40*	22
4.33	Aisle width for pallets 1000 x 1200 crossways (L x W)	Ast mm	-	-	-
4.34	Aisle width for pallets 800 x 1200 lengthways (W x L)	Ast mm	2234 - 2320*	2223 - 2310*	2070
4.35	Turning radius (raised / lowered)	Wa mm	1346 - 1375*	1346 - 1375*	1385
Performance data					
5.1	Travel speed, loaded / unloaded	km / h	4,2 / 4,5	4,2 / 4,5	4,5 / 5
5.2	Lift speed, loaded / unloaded	mm / s	140 / 250	120 / 200	100 / 180
5.3	Lowering speed, loaded / unloaded	mm / s	160 / 140	120 / 100	100 / 70
5.8	Max. Gradient performance, loaded / unloaded	%	3,5 / 5	3,5 / 5	5 / 8
5.10	Service brake		Electromagnetic	Electromagnetic	Electromagnetic
5.11	Parking brake		Handle release	Handle release	Handle release
Drive unit					
6.1	Drive motor rating (S2 60 min)	kW	0,3	0,3	0,5
6.2	Lift motor rating at S3 10%	kW	2	2	2
6.3	Battery acc. To DIN43531 / 35 / 36, A, B, C		Semi-traction	Semi-traction	Semi-traction
6.4	Battery voltage / nominal capacity	V / Ah	24 / 85	24 / 85	24 / 85
6.5	Battery weight (+- 5%)	kg	50	50	50
Other details					
8.1	Type of drive control		AC Mosfet Variator	AC Mosfet Variator	AC Mosfet Variator
8.4	Sound level at driver's ear (driving)	dB (A)	65	65	65

* Dimensions for adjustible straddle legs model

PLEASE CONTACT

HYUNDAI
HEAVY INDUSTRIES EUROPE
MATERIAL HANDLING

Hyundai Heavy Industries Europe N.V.
Vossendaal 11, 2440 Geel, Belgium
Tel: (32) 14-562200 Fax: (32) 14-593405-06