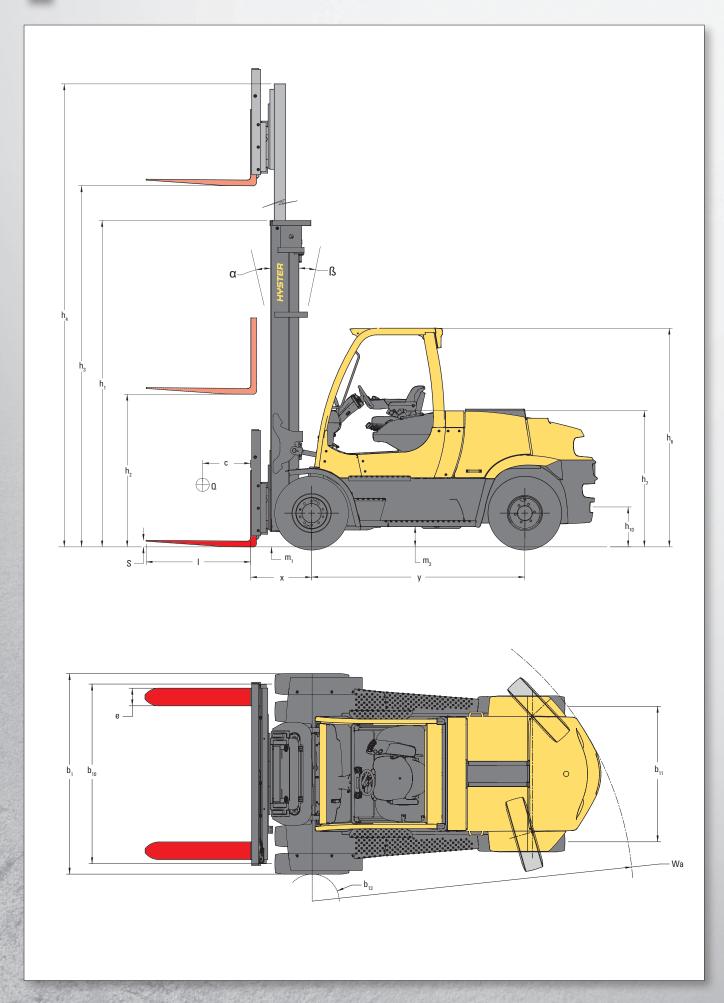




J7.0-9.0XNL SERIES TECHNICAL GUIDE



DIMENSIONS



MAST AND CAPACITY INFORMATION



17.0XNSL RATED CAPACITY KG@ 600 MM LOAD CENTRE

	Maximum	Back	Lowered	Extended	Free lift	{	B.25 x 15-14 Dual pneumatic drive tyres	3
	fork height	tilt	height	height	height	Carriage without sideshift (kg)	Carriage with sideshift (kg)	Carriage with ISS (kg)
	h ₃ + s (mm)	(°)	h ₁ (mm)	h ₄ (mm)	h ₂ + s (m) (2)	J7.0XNSL	J7.0XNSL	J7.0XNSL
	3000	10	2516	4417	100	7000	6830	6500
병으토	3400	10	2716	4817	100	7000	6810	6490
2-STAGE LIMITED FREE LIFT	4400	10	3216	5817	100	7000	6770	6450
있들Œ	5400	10	3716	6817	100	7000	6730	6420
	6000	10	4116	7417	100	6830	6530	6230
필.토	4700	6	2576	6118	100	7000	6510	6210
3-STAGE FULL FREE LIFT	5600	6	2876	7018	100	6920	6410	6120
% <u> </u>	6200	6	3126	7618	100	6750	6210	5930

J7.0XNSL9 RATED CAPACITY KG@ 900 MM LOAD CENTRE / J8.0XNSL/J9.0XNL RATED CAPACITY KG@ 600 MM LOAD CENTRE

	Maximum	Back	Lowered	Extended	Free lift	8.25 x 15-14 Dual pneumatic drive tyres								
	fork height	tilt	height	height	height	Carriage	without side	shift (kg)	Carriage with sideshift (kg)			Carriage with ISS (kg)		
	h ₃ + s (mm)	(°)	h ₁ (mm)	h ₄ (mm)	h ₂ + s (m) (2)	J7.0XNSL9	J8.0XNSL	J9.0XNL	J7.0XNSL9	J8.0XNSL	J9.0XNL	J7.0XNSL9	J8.0XNSL	J9.0XNL
	3065	9	2712	4350	0	7000	8000	9000	6600	8000	8500	6560	8000	8460
필요병	3565	9	2962	4850	0	7000	8000	9000	6590	8000	8490	6550	8000	8440
2-STAGE LIMITED FREE LIFT	4565	9	3462	5850	0	7000	8000	9000	6570	8000	8470	6530	8000	8420
성글푼	5565	9	3962	6850	0	7000	8000	8700	6550	8000	8170	6510	8000	8130
	6065	9	4212	7350	0	6760	7730	8080	6320	7730	7580	6290	7730	7530
出。臣	4615	6	2702	6077	1565	7000	8000	9000	6580	8000	8500	6560	8000	8470
3-STAGE FUL FREE LIFT	5515	6	3002	7977	1865	7000	8000	8820	6560	8000	8310	6540	8000	8280
% E	5965	6	3152	7427	2015	6950	7940	8270	6510	7940	7780	6480	7940	7750

J8.OXNL9 RATED CAPACITY KG@ 900 MM LOAD CENTRE

	Maximum	Back	Lowered	Extended	Free lift	{	B.25 x 15-14 Dual pneumatic drive tyres	1
	fork height	tilt	height	height	height	Carriage without sideshift (kg)	Carriage with sideshift (kg)	Carriage with ISS (kg)
	h ₃ + s (mm)	(°)	h ₁ (mm)	h ₄ (mm)	h ₂ + s (m) (2)	J8.0XN9	J8.0XN9	J8.0XN9
	3065	9	2712	4390	0	8000	7600	7580
병으토	3565	9	2962	4898	0	8000	7590	7560
2-STAGE LIMITED FREE LIFT	4565	9	3462	5898	0	8000	7550	7530
%⊒E	5565	9	3962	6898	0	7910	7440	7410
	6065	9	4212	7398	0	7760	7280	7260
ᆲᅹ	4615	6	2712	6125	1405	8000	7570	7550
3-STAGE FULL FREE LIFT	5515	6	3012	7025	1705	7760	7320	7290
%_ Æ	5965	6	3162	7475	1855	7630	7180	7150

Specifications are affected by the condition of the vehicle and how it is equipped, as well as the nature and condition of the operating area. Inform your dealer of the nature and condition of the intended operating area when purchasing your Hyster® truck.

- (1) For STD 2LFL Mast Config.
- W/o load backrest.
- OHG Only, No Cab. (3)
- Under Mast Channels.
- Extended Shift Off (Max Performance)
- 7@6, 7T@9 and 8T@6 Capacities shown w/ BTA
- Nominal values
- W/ cab values from 9T, W/o cab values from 7T (8)
- (9) Includes 200mm aisle clearance

All capacities are according to EN1551.

NOTICE:

Care must be exercised when handling elevated loads. Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual.

All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer.

Hyster products are subject to change without notice.

Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance specifications are for a truck equipped as described under Standard Equipment $on this \ \textit{Technical Guide}. \ \textit{Performance specifications are affected by the condition of the vehicle}$ and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

NOTE: Specifications, unless otherwise listed, are for a standard truck without optional equipment.

Specification data is based on VDI 2198.

Safety: This truck conforms to the current EU and ANSI requirements.

> J7.0XNSL / J7.0XNSL9 SPECIFICATIONS

1-20 Mode designation 1-20 Mode desi		1-1	Manufacturer			HV	STER	нус	STER	
13 Powertrain / drivertrain	1									
14	-		•							
1-8 Load centre distance	a						. ,			
14				n	ka					
14 Load distance	 				-					
19 Wheelbase	ŀ									
1		-								
2-2 Akie loading with load, front / rear kg 15,193 2,710 16,583 2,386 1,718 3-1 7 yre type 9-1 1,718 1,728				,						
3-1 Tyre spipe 3-2 Tyre spipe 3-3 Tyre	돌		-		-					
3-1 Tyre type 3-2 Tyre size, front 8.2 x 15 14PR 9.2 x 15 14PR					-					
3-2 Tyre size, front S.25x15 14PR S.25x15 1			-		9			,		
Substitution Subs			· · · ·	8.25x15 14PR					15 14PR	
3-6 Tread, front Diru mm	SH	3-3				8.25x	15 14PR	8.25x1	15 14PR	
3-6 Tread, front Diru mm		3-5	Wheels, number front / rear (x = driven wheels)			x4	2	x4	2	
4-1		3-6	Tread, front						847	
4-2		3-7	Tread, rear	b ₁₁	mm	1,	536	1,	536	
4-3 Free lift (1)		4-1	Mast tilt, forward / backward	α/β	deg	5°	10°	5°	9°	
4-4		4-2	Height, mast lowered (1)	h ₁	mm	2,	540	2,	712	
4-5		4-3	Free lift (1)	h ₂	mm	1	00		0	
Height of overhead guard (3)		4-4	Lift (1)	h ₃	mm	2,	940	3,	000	
4-1-1		4-5	Height, mast extended (2)	h ₄	mm	4,	040	4,	225	
4-8 Seat height to SIP 1,547 1,547 1,547 1,547 1,947 1			Height of overhead guard (3)	h ₆	mm	2,	531	2,	531	
4-19 Overall length			Height of cab	h ₆	mm	2,	549	2,	549	
1	1.		Seat height to SIP	h ₇	mm			1,	547	
4-23 Fork carriage type	ما				mm			4,	770	
4-23 Fork carriage type			9				1			
4-23 Fork carriage type				b ₁ /b ₂						
4-24 Fork carriage width (5)				s/e/l	mm		,			
4-31 Ground clearance, laden, below mast (4) m1 mm 125 175 4-32 Ground clearance, centre of wheelbase m2 mm 246 246 4-33 Load dimensions b12 x l6 crossways b112 / l6 mm 1 000 x 1 200 1 000 x 1 200 4-34 Aisle width with predetermined load dimensions (9) Ast mm 4,889 4,959 4-34-2 Aisle width with pallets 800 wide x 1 200 crossways (9) Ast mm 3,080 3,145 4-35 Outside turning radius (6) b13 mm -90 -90 5-1 Travel speed, with / without load (5) km/h 24.0 24.0 24.0 24.0 5-1 Travel speed, with / without load backwards (5) m/s 0.43 0.66 0.41 0.46 5-2 Lifting speed with / without load m/s 0.58 0.53 0.41 0.37 5-3 Lowering speed with / without load (5) N 48871 25907 48871 28506 5-4 Maximum drawbar pull, with / without load (5) % 30 24 28 24 5-9 Acceleration time, with / without load (5) sec 9.15 8.76 - - 5-10 Service brake Hydraulic Hydra	1 .									
4-32 Ground clearance, centre of wheelbase m2 mm 246 246 4-33 Load dimensions b12 x l6 crossways b12 / l6 mm 1 000 x 1 200 1 000 x 1 200 4-34 Aisle width with predetermined load dimensions (9) Ast mm 4,889 4,959 4-34-2 Aisle width with pallets 800 wide x 1 200 crossways (9) Ast mm 5,089 5,159 4-35 Outside turning radius Wa mm 3,080 3,145 4-36 Internal turning radius (6) b13 mm -90 -90 5-1 Travel speed, with / without load (5) km/h 24.0 24.0 24.0 24.0 5-1-1 Travel speed, with load / without load backwards (5) m/s 0.43 0.66 0.41 0.46 5-2 Lifting speed, with / without load m/s 0.58 0.53 0.41 0.37 5-3 Lowering speed with / without load (5) m/s 0.58 0.53 0.41 0.37 5-6 Maximum drawbar pull, with / without load N 49547 25907 48871 28506 5-8 Maximum gradeability, with / without load (5) sec 9.15 8.76 - - 5-10 Service brake Hydraulic H										
4-33 Load dimensions b ₁₂ x ₈ crossways b ₁₂ / ₈ mm 1 000 x 1 200 1 000 x 1 200 4-34 Aisle width with predetermined load dimensions (9) Ast mm 4,889 4,959 4-34-2 Aisle width with pallets 800 wide x 1 200 crossways (9) Ast mm 5,089 5,159 4-35 Outside turning radius Wa mm 3,080 3,145 4-36 Internal turning radius (6) b ₁₃ mm -90 -90 5-1 Travel speed, with / without load (5) km/h 24.0 24.0 24.0 24.0 24.0 5-1-1 Travel speed, with / without load backwards (5) km/h 24.0 24.0 24.0 24.0 24.0 5-2 Lifting speed, with / without load (5) m/s 0.43 0.66 0.41 0.46 5-3 Lowering speed with / without load m/s 0.58 0.53 0.41 0.37 5-5 Drawbar pull, with / without load (5) N 48871 25907 48871 28506 5-6 Maximum drawbar pull, with / without load (5) % 30 24 28 24 5-9 Acceleration time, with / without load (5) sec 9.15 8.76 -	1									
4-34 Aisle width with predetermined load dimensions (9)	1									
4-34-2 Aisle width with pallets 800 wide x 1 200 crossways (9) Ast mm 5,089 5,159										
4-35 Outside turning radius Wa mm 3,080 3,145								· ·		
4-36 Internal turning radius (6) b ₁₃ mm -90 -90										
S-1 Travel speed, with / without load (5) km/h 24.0 25.5 25.6 25.	1		-							
S-1-1 Travel speed, with load / without load backwards (5) km/h 24.0 24.0 24.0 24.0 24.0						24.0	24.0			
1		5-1-1	Travel speed, with load / without load backwards (5)		km/h	24.0	24.0	24.0	24.0	
S-5 Drawbar pull, with / without load (5) N 48871 25907 48871 28506		5-2	Lifting speed, with / without load (5)		m/s	0.43	0.66	0.41	0.46	
5-8 Maximum gradeability, with / without load % 30 24 28 24 5-9 Acceleration time, with / without load (5) sec 9.15 8.76 -	쁑	5-3	Lowering speed with / without load		m/s	0.58	0.53	0.41	0.37	
5-8 Maximum gradeability, with / without load % 30 24 28 24 5-9 Acceleration time, with / without load (5) sec 9.15 8.76 -	复	5-5	Drawbar pull, with / without load (5)		N	48871	25907	48871	28506	
5-8 Maximum gradeability, with / without load % 30 24 28 24 5-9 Acceleration time, with / without load (5) sec 9.15 8.76 -		5-6	Maximum drawbar pull, with / without load		N	49547	25907	49547	28506	
5-9 Acceleration time, with / without load (5) sec 9.15 8.76 - - 5-10 Service brake Hydraulic Hydraulic 6-1 Drive motor rating S2 60 min kW 45 45		5-7	Gradeability, with / without load (5)		%	30	24	28	24	
5-10 Service brake Hydraulic Hydraulic 6-1 Drive motor rating \$2.60 min kW 45 45	1		Maximum gradeability, with / without load		%	30	24		24	
6-1 Drive motor rating S2 60 min kW 45 45		5-9	Acceleration time, with / without load (5)		sec	9.15	8.76	-		
	[
6-2 Lift motor rating at S3 15% kW 60.0 60.0			-							
6-3 Battery according to DIN 43531/35/36 A, B, C, no no no no			-		kW					
b-4 Battery voltage/nominal capacity K5 (7) V Ah 360 192 360 192 360 192 360 192 360 3				.,			The second secon			
Battery weight (min/max) Kg 564 664	8			V						
	<u></u>		1 2	1340						
6-6 Energy consumption according to VDI cycle kWh h 18.9 -				kWh						
Departing pressure for attachments bar 173 173	H				bar					
The second secon	를	10-2	Oil volume for attachments	I	min	9	1	9:	2.7	
10-1 Operating pressure for attachments bar 173 173 173 174 10-2 Oil volume for attachments I min 92.7 92.7 92.7 10-7 Sound pressure level at the driver's seat (with/without cab) (8) dB A 68 67 68 67 10-8 Towing coupling, type DIN Yes / Pin Y	E	10-7	Sound pressure level at the driver's seat (with/without cab) (8)	dB	Α	68	67	68	67	
10-8 Towing coupling, type DIN Yes / Pin Yes / Pin	A	10-8	Towing coupling, type DIN			Yes	/ Pin	Yes	/ Pin	

J8.0XNSL / J8.0XNL9 / J9.0XNL SPECIFICATIONS <



			1								
	1-1	Manufacturer			HYS		HYS			TER	
	1-2	Model designation			J8.0>		J8.0>		J9.0XNL		
	1-3	Powertrain / drivetrain			Electric	(batery)	Electric	(batery)	Electric	(batery)	
GENERAL	1-4	Operator type			Sea	ted	Sea	ted	Sea	ited	
	1-5	Rated capacity / rated load	Q	kg	8,0	00	8,0	00	9,0		
	1-6	Load centre distance	С	mm	60	00	90	00	60	00	
	1-8	Load distance	Х	mm	61	4	663	3.5	613	3.5	
	1-9	Wheelbase	У	mm	2,235		2,4	50	2,450		
	2-1	Service weight		kg	11,	979	12,2	265	11,	524	
WEIGHT	2-2	Axle loading with load, front / rear		kg	17,187	2,793	18,428	1,836	18,440	2,083	
5	2-3	Axle loading without load, front / rear		kg	4,843	7,136	5,323	6,942	4,983	6,541	
	3-1	Tyre type			Pneu	matic	Pneu	matic	Pneu	matic	
	3-2	Tyre size, front			8.25x1	5 14PR	8.25x1	5 14PR	8.25x1	5 14PR	
WHEELS	3-3	Tyre size, rear			8.25x1	5 14PR	8.25x1	5 14PR	8.25x1	5 14PR	
	3-5	Wheels, number front / rear (x = driven wheels)			x4	2	x4	2	x4	2	
	3-6	Tread, front	b ₁₀	mm	1,8	47	2,0	03	2,0	103	
	3-7	Tread, rear	b ₁₁	mm	1,5	36	1,5	36	1,5	36	
	4-1	Mast tilt, forward / backward	α/β	deg	5°	9°	5°	9°	5°	9°	
	4-2	Height, mast lowered (1)	h ₁	mm	2,7		3,4		2,7	12	
	4-3	Free lift (1)	h ₂	mm	(()	
	4-4	Lift (1)	h ₃	mm	3,0		4,5		3,0		
	4-5	Height, mast extended (2)	h ₄	mm	4,2	25	5,8	99	4,2	25	
	4-7	Height of overhead guard (3)	h ₆	mm	2,5	31	2,5	31	2,5	31	
	4-7-1	Height of cab	h ₆	mm	2,5		2,5	49	2,5		
	4-8	Seat height to SIP	h ₇	mm	1,5		1,5		1,5		
S	4-19	Overall length	l ₁	mm	4,7		5,2		4,7		
DIMENSIONS	4-20	Length to face of forks	l ₂	mm	3,5		4,0		3,5		
	4-21	Overall width	b ₁ /b ₂		2,082	1,784	2,239	1,771	2,239	1,771	
	4-22	Fork dimensions ISO 2331	s/e/I	mm	60 20		60 20	,		00 1,200	
	4-23	Fork carriage type			IV	А	IV			Α	
						00					
	4-24	Fork carriage width (5)	b ₃	mm	2,0		2,0		2,0		
	4-31	Ground clearance, laden, below mast (4)	m ₁	mm	12	25	17	75	12	25	
	4-31 4-32	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase	m ₁	mm mm	12	25 16	17 25	75 53	12	25 53	
	4-31 4-32 4-33	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x I ₆ crossways	m ₁ m ₂ b ₁₂ /l ₆	mm mm mm	12 24 1 000 x	25 1 <mark>6</mark> c 1 200	17 25 1 000 >	75 5 <mark>3</mark> < 1 200	12 25 1 000 x	25 53 < 1 200	
	4-31 4-32 4-33 4-34	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9)	m ₁ m ₂ b ₁₂ /l ₆ Ast	mm mm mm mm	12 24 1 000) 4,9	25 46 x 1 200 59	17 25 1 000 > 5,6	75 53 < 1 200 558	12 29 1 000) 5,5	25 53 < 1 200	
	4-31 4-32 4-33 4-34 4-34-2	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9)	m ₁ m ₂ b ₁₂ /I ₆ Ast Ast	mm mm mm mm	12 24 1 000 x 4,9 5,1	25 16 c 1 200 59	17 25 1 000 > 5,6 5,8	75 53 < 1 200 58	12 25 1 000 5 5,5 5,7	25 53 < 1 200 537	
	4-31 4-32 4-33 4-34 4-34-2 4-35	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius	m_1 m_2 b_{12} / l_6 Ast Ast Wa	mm mm mm mm mm	12 24 1 000 x 4,9 5,1 3,1	25 66 61 200 59 59 45	17 25 1 000 > 5,6 5,8 3,7	75 53 6 1 200 558 58	12 2! 1 000) 5,5 5,7 3,7	25 53 < 1 200 37 23	
	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x I ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6)	m ₁ m ₂ b ₁₂ /I ₆ Ast Ast	mm mm mm mm mm mm	12 24 1 000 x 4,9 5,1 3,1	25 66 6 1 200 59 59 45	25 1 000 x 5,6 5,8 3,7	55 53 6 1 200 558 58 94	12 2! 1 000) 5,5 5,7 3,7	25 53 4 1 200 337 23 23	
	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5)	m_1 m_2 b_{12} / l_6 Ast Ast Wa	mm mm mm mm mm mm mm mm	12 24 1 000 x 4,9 5,1 3,1 -9	25 66 6 1 200 59 59 45 10 24.0	25 1 000 x 5,6 5,8 3,7 36 21.0	75 53 6 1 200 558 558 94 52 21.0	12 2! 1 000) 5,5 5,7 3,7 3(21.0	25 53 < 1 200 337 23 23 52 21.0	
	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with load / without load backwards (5)	m_1 m_2 b_{12} / l_6 Ast Ast Wa	mm mm mm mm mm mm km/h	12 24 1 000) 4,9 5,1 3,1 -9 24.0	25 66 6 1 200 59 59 45 00 24.0	25 1 000 x 5,6 5,8 3,7 36 21.0	75 53 6 1 200 558 94 52 21.0	12 2! 1 000) 5,5 5,7 3,7 3,2 21.0	25 53 < 1 200 337 23 23 52 21.0 21.0	
	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with load / without load backwards (5) Lifting speed, with / without load (5)	m_1 m_2 b_{12} / l_6 Ast Ast Wa	mm mm mm mm mm mm km/h km/h	12 24 1 0000 x 4,9 5,1 3,1 -9 24.0 24.0	25 66 61 200 59 59 45 10 24.0 24.0 0.46	17 25 1 000 x 5,6 5,8 3,7 36 21.0 24.0 0.32	75 53 6 1 200 558 94 52 21.0 21.0 0.41	12 2! 1 0000 5,5 5,7 3,7 36 21.0 21.0	25 53 6 1 200 337 337 23 52 21.0 21.0 0.46	
MANGE	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with load / without load backwards (5)	m_1 m_2 b_{12} / l_6 Ast Ast Wa	mm mm mm mm mm mm km/h	12 24 1 000) 4,9 5,1 3,1 -9 24.0	25 66 6 1 200 59 59 45 00 24.0	25 1 000 x 5,6 5,8 3,7 36 21.0	75 53 6 1 200 558 94 52 21.0	12 2! 1 000) 5,5 5,7 3,7 3,2 21.0	25 53 < 1 200 337 23 23 52 21.0 21.0	
FORMANGE	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1 5-2 5-3	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with load / without load backwards (5) Lifting speed, with / without load (5) Lowering speed with / without load	m_1 m_2 b_{12} / l_6 Ast Ast Wa	mm mm mm mm mm mm km/h km/h	1000 x 4,9 5,1 3,1 -5 24.0 24.0 0.40 0.51	25 16 1 200 59 59 45 10 24.0 24.0 0.46 0.37	17 25 1 000 x 5,6 5,8 3,7 36 21.0 24.0 0.32 0.38	75 63 61 200 658 658 694 62 21.0 21.0 0.41 0.33	11 29 1 000 0 5,5 5,7 3,7 36 21.0 21.0 0.36 0.38	25 53 61 200 637 737 723 52 21.0 24.0 0.46 0.33	
PERFORMANCE	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1 5-2 5-3 5-5	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with load / without load backwards (5) Lifting speed, with / without load Drawbar pull, with / without load Drawbar pull, with / without load (5)	m_1 m_2 b_{12} / l_6 Ast Ast Wa	mm mm mm mm mm mm km/h km/h km/s	112 24 1 000 x 4,8 5,1 3,1 -5 24.0 24.0 0.40 0.51 48871	25 166 1 200 1 200 1 200 1 200 1 200	17 25 1 000 x 5,6 5,8 3,7 36 21.0 24.0 0.32 0.38 48933	75 53 61 200 558 558 94 62 21.0 21.0 0.41 0.33 31331	11 25 1 000 0 5,5 5,7 3,7 3,6 21.0 21.0 0.36 0.38 48933	25 33 31 200 337 337 23 52 21.0 21.0 0.46 0.33 29330	
PERFORMANCE	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1 5-2 5-3 5-5 5-6	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with / without load backwards (5) Lifting speed, with / without load Drawbar pull, with / without load Drawbar pull, with / without load (5) Maximum drawbar pull, with / without load	m_1 m_2 b_{12} / l_6 Ast Ast Wa	mm mm mm mm mm mm km/h km/h km/s m/s	112 24 1 000 x 4,9 5,1 3,1 -9 24.0 24.0 0.40 0.51 48871 49547	25	17 25 1 000 x 5,6 5,8 3,7 3,6 21.0 24.0 0.32 0.38 48933 49430	75 53 61 200 558 558 94 52 21.0 21.0 0.41 0.33 31331 31331	11 25 1 000 5 5,5 5,7 3,7 3,6 21.0 21.0 0.36 0.38 48933 49430	25 33 31 32 337 337 23 32 21.0 21.0 0.46 0.33 29330 29330	
PERFORMANCE	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with / without load (5) Lifting speed, with / without load (5) Lowering speed with / without load Drawbar pull, with / without load (5) Maximum drawbar pull, with / without load Gradeability, with / without load (5)	m_1 m_2 b_{12} / l_6 Ast Ast Wa	mmm mm mm mm mm mm mm mm mm mm km/h km/h	12 24 1 000 x 4,9 5,1 3,1 	25	17 25 1 000 x 5,6 5,8 3,7 36 21.0 24.0 0.32 0.38 48933 49430 26	75 53 61 200 558 558 94 52 21.0 21.0 0.41 0.33 31331 31331 26	11 25 1 000 5 5,5 5,7 3,7 3,6 21.0 21.0 0.36 0.38 48933 49430 26	25 5 5 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	
PERFORMANCE	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with / without load (5) Lifting speed, with / without load (5) Lowering speed with / without load Drawbar pull, with / without load (5) Maximum drawbar pull, with / without load Gradeability, with / without load (5) Maximum gradeability, with / without load	m_1 m_2 b_{12} / l_6 Ast Ast Wa	mmm mmmmmmmmmmmmmmmmmskm/h km/h m/s m/s N N 9%	12 24 1 000 x 4,9 5,1 3,1 	25	17 25 1 000 x 5,6 5,8 3,7 36 21.0 24.0 0.32 0.38 48933 49430 26 26	75 53 61 200 558 94 52 21.0 21.0 0.41 0.33 31331 31331 26 26 7.69	112 25 1 000 5 5,5 5,7 3,7 3,6 21.0 21.0 0.36 0.38 48933 49430 26 26 26 -	25 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
PERFORMANCE	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-9	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with / without load (5) Lifting speed, with / without load (5) Lowering speed with / without load Drawbar pull, with / without load Gradeability, with / without load (5) Maximum drawbar pull, with / without load Gradeability, with / without load (5) Maximum gradeability, with / without load Acceleration time, with / without load (5)	m_1 m_2 b_{12} / l_6 Ast Ast Wa	mmm mmmmmmmmmmmmmmmmmskm/h km/h m/s m/s N N 9%	12 24 1 000 x 4,9 5,1 3,1 -9 24.0 24.0 0.40 0.51 48871 49547 26 27	25	17 25 1 000 x 5,6 5,8 3,7 36 21.0 24.0 0.32 0.38 48933 49430 26 26 8.88	75 53 61 200 558 94 52 21.0 21.0 0.41 0.33 31331 36 26 7.69	112 25 1 000 5 5,5 5,7 3,7 3,6 21.0 21.0 0.36 0.38 48933 49430 26 26 26 -	25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-9 5-10 6-1 6-2	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with / without load backwards (5) Lifting speed, with / without load Drawbar pull, with / without load Drawbar pull, with / without load Gradeability, with / without load Gradeability, with / without load Acceleration time, with / without load Service brake	m_1 m_2 b_{12} / l_6 Ast Ast Wa	mm mm mm mm mm mm mm km/h km/h m/s m/s N N %	12 24 1 000 x 4,9 5,1 3,1 -9 24.0 24.0 0.40 0.51 48871 49547 26 27 -	25	17 25 1 000 x 5,6 5,8 3,7 36 21.0 24.0 0.32 0.38 48933 49430 26 26 8.88 Hydr	75 53 61 200 558 94 52 21.0 21.0 0.41 0.33 31331 26 26 7.69 aulic	113 25 1 0000 5 5,5 5,7 3,7 36 21.0 21.0 0.36 0.38 48933 49430 26 26 - Hydr 4	25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-9 5-10 6-1	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with / without load (5) Lifting speed, with / without load Drawbar pull, with / without load Drawbar pull, with / without load Gradeability, with / without load Gradeability, with / without load Acceleration time, with / without load (5) Service brake Drive motor rating S2 60 min	m_1 m_2 b_{12} / l_6 Ast Ast Wa	mm mm mm mm mm mm km/h km/h m/s N N % %	124 1 0000 x 4,8 5,1 3,1 -5 24.0 24.0 0.40 0.51 48871 49547 26 27 - Hydr	25	17 25 1 000 x 5,6 5,8 3,7 36 21.0 24.0 0.32 0.38 48933 49430 26 26 8.88 Hydr	75 53 61 200 58 94 52 21.0 21.0 0.41 0.33 31331 26 26 7.69 aulic	113 25 1 0000 5 5,5 5,7 3,7 36 21.0 21.0 0.36 0.38 48933 49430 26 26 - Hydr 4	25	
	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-9 5-10 6-1 6-2	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with / without load backwards (5) Lifting speed, with / without load Drawbar pull, with / without load Drawbar pull, with / without load Gradeability, with / without load Gradeability, with / without load Acceleration time, with / without load (5) Service brake Drive motor rating S2 60 min Lift motor rating at S3 15%	m_1 m_2 b_{12} / l_6 Ast Ast Wa	mm mm mm mm mm mm km/h km/h m/s N N % %	12 24 1 000 x 4,8 5,1 3,1 -5 24.0 24.0 0.40 0.51 48871 49547 26 27 - Hydr	25	17 25 1 000 5 5,6 5,8 3,7 36 21.0 24.0 0.32 0.38 48933 49430 26 26 8.88 Hydr 4 600	75 53 61 200 58 94 52 21.0 21.0 0.41 0.33 31331 26 26 7.69 aulic	112 25 1 000 0 5,5 5,7 3,7 3,6 21.0 21.0 0.36 0.38 48933 49430 26 26	25	
ELECTRIC DRIVE PERFORMANCE	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-9 5-10 6-1 6-2 6-3	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b12 x l6 crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with / without load backwards (5) Lifting speed, with / without load Drawbar pull, with / without load Drawbar pull, with / without load Gradeability, with / without load Gradeability, with / without load Acceleration time, with / without load Acceleration time, with / without load Lift motor rating S2 60 min Lift motor rating at S3 15% Battery according to DIN 43531/35/36 A, B, C, no	m ₁ m ₂ b ₁₂ /l ₆ Ast Ast W _a b ₁₃	mm mm mm mm mm mm km/h km/h km/s n/s N N % sec	12 24 1 000 x 4,8 5,1 3,1 -5 24.0 24.0 0.40 0.51 48871 49547 26 27 - Hydr 4 60	25	17 25 1 000 x 5,6 5,8 3,7 36 21.0 24.0 0.32 0.38 48933 49430 26 26 8.88 Hydr 4 600 n	75 53 61 200 558 558 94 52 21.0 21.0 0.41 0.33 31331 26 26 7.69 aulic 5	112 25 1 000 0 5,5 5,7 3,7 3,6 21.0 21.0 0.36 0.38 48933 49430 26 26	25 25 26 27 27 27 27 27 27 27	
	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-9 5-10 6-1 6-2 6-3 6-4	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b12 x l6 crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with / without load backwards (5) Lifting speed, with / without load Drawbar pull, with / without load Drawbar pull, with / without load Gradeability, with / without load Gradeability, with / without load Acceleration time, with / without load Acceleration time, with / without load Correction time, with / without load Acceleration time, with / without lo	m ₁ m ₂ b ₁₂ /l ₆ Ast Ast W _a b ₁₃	mm mm mm mm mm mm km/h km/h m/s N N % sec kW kW	12 24 1 000 x 4,9 5,1 3,1 -5 24.0 0.40 0.51 48871 49547 26 27 - Hydr 4 60 n	25	17 25 1 000 x 5,6 5,8 3,7 36 21.0 24.0 0.32 0.38 48933 49430 26 26 8.88 Hydr 4 60	75 53 61 200 558 558 94 52 21.0 21.0 0.41 0.33 31331 26 26 7.69 aulic 5	112 25 1 000 5 5,5 5,7 3,7 3,6 21.0 21.0 0.36 0.38 48933 49430 26 26 - Hydr 4 600 n 360 66	25 25 26 27 27 27 27 27 27 27	
ELECTRIC DRIVE	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-9 5-10 6-1 6-2 6-3 6-4 6-5	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with / without load backwards (5) Lifting speed, with / without load Drawbar pull, with / without load Drawbar pull, with / without load Gradeability, with / without load Gradeability, with / without load Acceleration time, with / witho	m ₁ m ₂ b ₁₂ /l ₆ Ast Ast Wa b ₁₃	mm mm mm mm mm mm km/h km/h m/s N N % sec kW kW	124.0 24.0 24.0 0.40 0.51 48871 49547 26 27 - Hydr 4 60 n 360 66	25	17 25 1 000 x 5,6 5,8 3,7 36 21.0 24.0 0.32 0.38 48933 49430 26 26 8.88 Hydr 4 60 n	75 53 61 200 558 558 94 52 21.0 21.0 0.41 0.33 31331 26 26 7.69 aulic 5	112 25 1 000 5 5,5 5,7 3,7 3,6 21.0 21.0 0.36 0.38 48933 49430 26 26 - Hydr 4 600 n 360 66	255 33 31 31 32 32 33 34 34 34 34 34 34 34 34 34 34 34 34	
ELECTRIC DRIVE	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-9 5-10 6-1 6-2 6-3 6-4 6-5 6-6	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b12 x l6 crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with / without load backwards (5) Lifting speed, with / without load (5) Lowering speed with / without load Drawbar pull, with / without load Gradeability, with / without load Gradeability, with / without load Acceleration time, with / witho	m ₁ m ₂ b ₁₂ /l ₆ Ast Ast Wa b ₁₃	mm mm mm mm mm mm km/h km/h m/s m/s % % sec kW kW Ah	12 24 1 000 x 4,9 5,1 3,1 -5 24.0 24.0 0.40 0.51 48871 49547 26 27 - Hydr 4 60 n 360 66	25	17 25 1 000 x 5,6 5,8 3,7 36 21.0 24.0 0.32 0.38 48933 49430 26 26 8.88 Hydr 4 60 n	75 53 61 200 58 58 94 52 21.0 0.41 0.33 31331 26 26 7.69 aulic 5 1.0 0	12 25 1 000 0 5,5 5,7 3,7 3,6 21.0 21.0 0.36 0.38 48933 49430 26 26 - Hydr 4 60 n 360	255 33 31 31 32 32 33 34 34 34 34 34 34 34 34 34 34 34 34	
ELECTRIC DRIVE	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-9 5-10 6-1 6-2 6-3 6-4 6-5 6-6 10-1	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b ₁₂ x l ₆ crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with / without load backwards (5) Lifting speed, with / without load Drawbar pull, with / without load Drawbar pull, with / without load Gradeability, with / without load Gradeability, with / without load Acceleration time, with / without load (5) Service brake Drive motor rating \$2 60 min Lift motor rating at \$3 15% Battery according to DIN 43531/35/36 A, B, C, no Battery voltage/nominal capacity K5 (7) Battery weight (min/max) Energy consumption according to VDI cycle Operating pressure for attachments	m ₁ m ₂ b ₁₂ /l ₆ Ast Ast Wa b ₁₃	mm mm mm mm mm mm mm km/h km/h m/s m/s N N % sec kW kW Ah kg h bar	12 24 1 000 x 4,9 5,1 3,1 -9 24.0 0.40 0.51 48871 49547 26 27 - Hydr 4 60 n 360 66 18	25	17 25 1 000 x 5,6 5,8 3,7 36 21.0 24.0 0.32 0.38 48933 49430 26 26 8.88 Hydr 4 60 n 360	75 53 61 200 58 58 94 52 21.0 0.41 0.33 31331 26 26 7.69 aulic 5 1.0 0	12 25 1 000 0 5,5 5,7 3,7 3,6 21.0 21.0 0.36 0.38 48933 49430 26 26 - Hydr 4 60 n 360	255 33 31 31 31 32 33 33	
	4-31 4-32 4-33 4-34 4-34-2 4-35 4-36 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-9 5-10 6-1 6-2 6-3 6-4 6-5 6-6 10-1	Ground clearance, laden, below mast (4) Ground clearance, centre of wheelbase Load dimensions b12 x l6 crossways Aisle width with predetermined load dimensions (9) Aisle width with pallets 800 wide x 1 200 crossways (9) Outside turning radius Internal turning radius Internal turning radius (6) Travel speed, with / without load (5) Travel speed, with / without load backwards (5) Lifting speed, with / without load Drawbar pull, with / without load Drawbar pull, with / without load Gradeability, with / without load Gradeability, with / without load Gradeability, with / without load Acceleration time, with / without load Acceleration time, with / without load (5) Service brake Drive motor rating S2 60 min Lift motor rating at S3 15% Battery according to DIN 43531/35/36 A, B, C, no Battery voltage/nominal capacity K5 (7) Battery weight (min/max) Energy consumption according to VDI cycle Operating pressure for attachments Oil volume for attachments	m ₁ m ₂ b ₁₂ /l _e Ast Ast Wa b ₁₃	mmmmmmmmmmmmmmmkm/hkm/hkm/sm/sNNN%secckkW	124 1 000 x 4,8 5,1 3,1 -6 24.0 24.0 0.40 0.51 48871 49547 26 27 - Hydr 4 60 n 360 66 18	25	177 215 1 000 x 5,6 5,8 3,7 36 21.0 24.0 0.32 0.38 48933 49430 26 26 8.88 Hydr 4 60 n 360 66	75	113 25 1 1 000 2 1 1 000 2 1 1 1 000 2 1 1 1 1	25 25 26 27 27 28 28 28 28 28 28	

> FEATURES AND OPTIONS

LIFT	STD	ОРТ
2 Stage Limited Free Lift Mast	Х	0
3 Stage Full Free Lift Mast		Х
Lift Height - 3000mm (2540mm Lowered Height) - J7.0XNSL	Х	
J9.0XNL J8.0XNL9 J8.0XNL9	Х	
Various other Lift Heights		Х
Mast Tilt - 5° Forward / 10° Back - J7.0XNSL	Х	
Mast Tilt - 5° Forward / 9° Back - J8.0XNSL J8.0XNL9 J9.0XNL	Х	
Mast Tilt - 5° Forward / 6° Back		Х
Mast Tilt - 9° Forward / 5° Back		X
DRIVE	STD	OPT
	0.12	UFI
Traction Speed Limiter (Adjustable)	X	
8.25 x 15-14 PR Pneumatic Drive Tyres	Х	
8.25 x R15 Pneumatic Radial Drive Tyres		X
8.25 x 15 Super Elastic Drive Tyres		X
300 x 15 Super Elastic Drive Tyres		Х
355/65-20 - Super Elastic Drive Tyres		Х
355/50-20 Super Elastic Drive Tyres		Х
8.25 X 15 Non-Marking Super Elastic Drive Tyres		Χ
8.25 X 15 Non-Marking Pneumatic Shaped Solid Drive Tyres		Х
8.25 x 15-14 PR Pneumatic Steer Tyre	Х	
8.25 R15 Pneumatic Radial Steer Tyre		Х
300 x 15 Super Elastic Steer Tyre		Χ
8.25 X 15 Super Elastic Steer Tyre		Χ
8.25 x 15 Non-Marking Super Elastic Steer Tyre		Χ
8.25 x 15 Non-Marking Pneumatic Shaped Solid Steer Tyre		Χ
HANDLING	STD	ОРТ
TouchPoint™ mini lever hydraulic controls	Х	
TouchPoint TM mini lever hydraulic controls, designed for clamping applications		Х
TouchPoint™ mini lever hydraulic controls with Return to Set Tilt		X
TouchPoint™ mini lever hydraulic controls with Return to Set Tilt, designed	_	
		.,
for Clamping applications		Х
	Х	X
for Clamping applications		X
for Clamping applications 1980mm Hook Type Carriage		
for Clamping applications 1980mm Hook Type Carriage 1805mm Hook Type Carriage		X
for Clamping applications 1980mm Hook Type Carriage 1805mm Hook Type Carriage 2030mm Hook Type Carriage		X
for Clamping applications 1980mm Hook Type Carriage 1805mm Hook Type Carriage 2030mm Hook Type Carriage 2030mm Hook Type Heavy Duty Carriage		X X X
for Clamping applications 1980mm Hook Type Carriage 1805mm Hook Type Carriage 2030mm Hook Type Carriage 2030mm Hook Type Heavy Duty Carriage 1980mm Hook Type Carriage with Hang-On Sideshift - J7.0XNSL		X X X
for Clamping applications 1980mm Hook Type Carriage 1805mm Hook Type Carriage 2030mm Hook Type Carriage 2030mm Hook Type Heavy Duty Carriage 1980mm Hook Type Carriage with Hang-On Sideshift - J7.0XNSL 1980mm Hook Type Carriage with Integral Sideshift - J7.0XNSL		X X X X
for Clamping applications 1980mm Hook Type Carriage 1805mm Hook Type Carriage 2030mm Hook Type Carriage 2030mm Hook Type Heavy Duty Carriage 1980mm Hook Type Carriage with Hang-On Sideshift - J7.0XNSL 1980mm Hook Type Carriage with Integral Sideshift - J7.0XNSL 1980mm Hook Type Carriage with Hang-On Sideshift Fork Positioner - J7.0XNSL		X X X X X
for Clamping applications 1980mm Hook Type Carriage 1805mm Hook Type Carriage 2030mm Hook Type Carriage 2030mm Hook Type Heavy Duty Carriage 1980mm Hook Type Carriage with Hang-On Sideshift - J7.0XNSL 1980mm Hook Type Carriage with Integral Sideshift - J7.0XNSL 1980mm Hook Type Carriage with Hang-On Sideshift Fork Positioner - J7.0XNSL 2030mm Integral Sideshift Carriage		X X X X X
for Clamping applications 1980mm Hook Type Carriage 1805mm Hook Type Carriage 2030mm Hook Type Carriage 2030mm Hook Type Carriage 2030mm Hook Type Carriage with Hang-On Sideshift - J7.0XNSL 1980mm Hook Type Carriage with Integral Sideshift - J7.0XNSL 1980mm Hook Type Carriage with Hang-On Sideshift Fork Positioner - J7.0XNSL 2030mm Integral Sideshift Carriage 2030mm Heavy Duty Integral Sideshift Carriage 2030mm Integral Sideshift Carriage with fork positioner - J8.0XNSL		X X X X X X
for Clamping applications 1980mm Hook Type Carriage 1805mm Hook Type Carriage 2030mm Hook Type Carriage 2030mm Hook Type Carriage 1980mm Hook Type Carriage with Hang-On Sideshift - J7.0XNSL 1980mm Hook Type Carriage with Integral Sideshift - J7.0XNSL 1980mm Hook Type Carriage with Hang-On Sideshift Fork Positioner - J7.0XNSL 2030mm Hook Type Carriage with Hang-On Sideshift Fork Positioner - J7.0XNSL 2030mm Integral Sideshift Carriage 2030mm Heavy Duty Integral Sideshift Carriage 2030mm Integral Sideshift Carriage with fork positioner - J8.0XNSL J8.0XNL9 J9.0XNL		X X X X X X X
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	STD	ОРТ
Dual Mirrors Side View		Х
Rear Drive Handle with Horn Button		Х
Recirculation Fan		Х
MONOTROL	Х	
Integrated Directional Switch		Х
12V Outlet - automotive style socket on dash		Х
OPERATION	STD	ОРТ
Audible Reverse Alarm		Х
Pedestrian Awareness Light (P.A.L.)		Х
Amber Strobe Light*	Х	
Key Switch Start	Х	
Key Switch Start with Operator Password		Х
Push Button Start with Operator Password		Х
Keyless Toggle Switch Start with Toggle		Х
Operator Password Start		Х
Operator Pre-Shift Electronic Checklist		Х
Hyster Tracker Wireless Access		Х
Hyster Tracker Wireless Verification		Х
Hyster Tracker Wireless Monitoring		Х
Load Weight Display		X
Low Mount Display		X
High Mount Display		Х
Single Pedal Inch Brake	Х	
Oil-immersed Brakes	X	
2 Front / 2 Rear Lifting Eyes		Х
System Monitoring Package		Х
Impact Sensor		X
Hydraulic Accumulator		Х
Fire Extinguisher		Х
VISIBILITY	STD	ОРТ
Rear Mounted Color Camera with LCD Display*		Х
Rear Mounted Color Camera with LCD Display* 2 Front and 1 Rear LED Work Lights		X
2 Front and 1 Rear LED Work Lights		Х
2 Front and 1 Rear LED Work Lights Two Front and One Rear LED Work Lights with Stop, Tail and Reverse Lights 2 Front and 1 Rear LED Work Lights with Stop, Tail, Indicator & Reverse		X
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Other options available through Special Products Engineering Department (SPED). Contact Hyster for details.

PRODUCT HIGHLIGHTS

The new Hyster® J7.0-9.0XNL series is one of the first zero-emissions electric lift trucks providing 7-9 tonnes of lift capacity with matched diesel engine performance.

Paper, timber, steel, and other heavy-duty industries can now easily adopt these tough electric lift trucks and benefit from quieter operations, fast acceleration, and even more responsive operation. Designed to work in both indoor and outdoor applications, the trucks feature high voltage (360-volt) lithium-ion batteries and have the endurance to support three shift operations.

INTEGRATED LITHIUM-ION BATTERY

Provides maximum power for a full 8-hour shift (in most operations). From flat, the battery can be fully charged within 2 hours. Opportunity charging gives extended run-time.

The lithium-ion battery is maintenance-free with three times the life of standard lead acid batteries.

MOTOR TECHNOLOGY

A powerful 105kW is provided by two multi-phase permanent magnetic motors, delivering best in class performance with excellent energy efficiency and minimal energy loss.

Fully independent hydraulic pump and traction motors never drop in performance when lifting and moving loads.

REGENERATIVE BRAKING

The forklifts feature auto generative braking that uses the electric motor to slow the lift truck, minimising wear on the oil immersed brakes. The regenerative braking system reduces maintenance and extends truck dependability.

HYDRAULICS

The hydraulic system incorporates a multi-stage gear pump with a cast iron body. The oil is double filtered, and the hydraulic tank is integrated into the frame. Lift circuit relief valves give protection from overloads.

RESPONSIVE CONTROL

No need to press the accelerator to rev the engine when lifting, which can enhance operator productivity. Autospeed hydraulics help to maximise overall truck responsiveness and controllability.

Automotive-style pedals have a large, single inch/brake pedal as standard which gives precise low-speed control and smooth electronic inching.

ROBUST CHASSIS AND FRAME

A robust chassis uses a unitised 25mm thick frame structure and the high strength mast design optimises capacity retention at high lifts with excellent visibility and rigidity.

OPERATOR'S COMPARTMENT

TouchPoint mini-levers integrated into the armrest provide hydraulic control and other key functions. The well positioned dash display keeps the operator aware of the lift truck's status at a glance.

The operator compartment has clear unobstructed foot space, adjustable steering column, rear drive handle with horn button and it is easy to access with three-point entry and exit.

Operators sit comfortably thanks to the full suspension seat, and with the benefit of an isolated powertrain, whole body vibration levels remain below 0.6m/s²

VEHICLE SYSTEMS AND WIRING

All vehicle systems are managed electronically to optimise performance and increase reliability. CANbus wiring, sealed connectors and hall effect sensors reduce complexity for truck system communication.

STABILITY

The maintenance-free Hyster[®] Stability Mechanism[™] (HSM[™]) helps keep the truck stable when making turns and enhances its ability to operate efficiently on rough surfaces

The steer axle is cast steel mounted on polymer bushings for excellent stability and axle articulation.

MAST

2-stage limited free lift or 3-stage full free lift masts deliver excellent through-mast visibility and rigidity and feature sealed full radius load rollers that resist forward, rearward, and lateral forces. Side-thrust wear pads allow for periodic adjustment for lateral clearances. The high strength steel rolled mast channels resist flaring of the mast channel.

CARRIAGE

Wide hook-type carriages optimise visibility and allow the fitting of a wide variety of forks and attachments (pin type available)

STRONG PARTNERS. TOUGH TRUCKS.™ FOR DEMANDING OPERATIONS, EVERYWHERE,

Hyster supplies a complete range of warehouse equipment, IC and electric counterbalanced trucks, container handlers and reach stackers. Hyster is committed to being much more than a lift truck supplier.

Our aim is to offer a complete partnership capable of responding to the full spectrum of material handling issues: Whether you need professional consultancy on your fleet management, fully qualified service support, or reliable parts supply, you can depend on Hyster.

Our network of highly trained dealers provides expert, responsive local support. They can offer cost-effective finance packages and introduce effectively managed maintenance programmes to ensure that you get the best possible value. Our business is dealing with your material handling needs so you can focus on the success of your business today and in the future.





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