J10-18XD SERIES

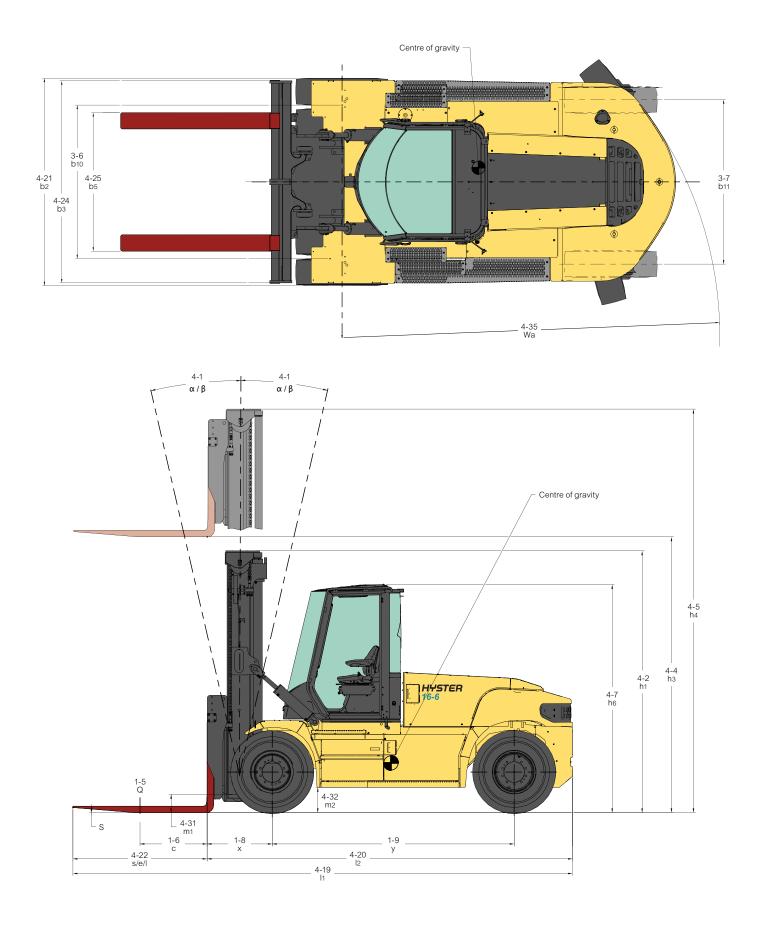


ELECTRIC HEAVY DUTY FORKLIFT PRODUCT TECHNICAL GUIDE

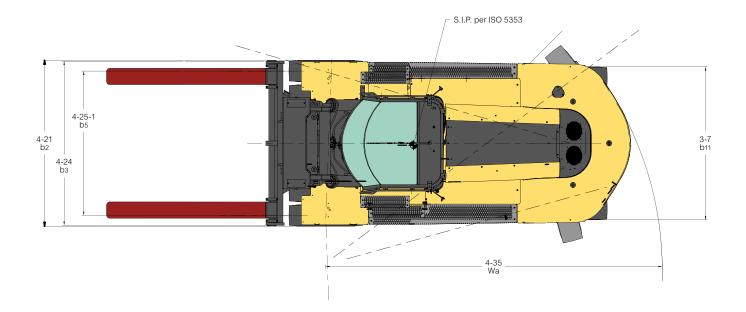


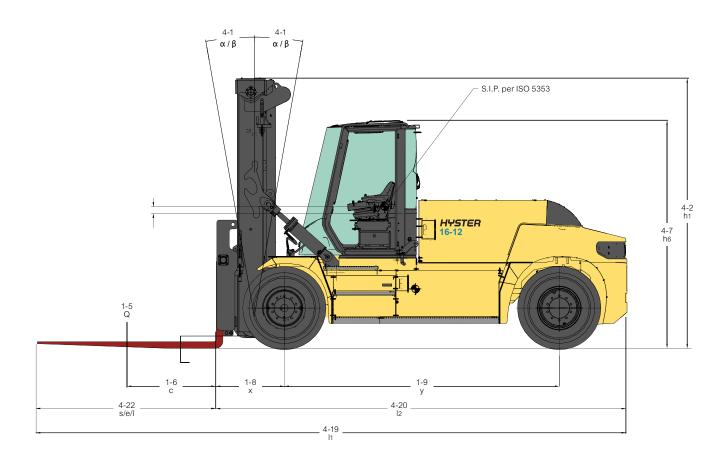
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TRUCK DIMENSIONS NORMAL SPINE



TRUCK DIMENSIONS RAISED HOOD SPINE





J10XD6 / J12D6 / J13XDS6 / J14XDS6 SPECIFICATIONS

								10/0				
	1-1	Manufacturer			140	(5.0	140		TER	200		(500
	1-2	Model designation			J10)	KD6	J12	XD6	J13X	DS6	J14)	KDS6
AL	1-3 1-4	Powertrain / drivetrain							ctric			
GENERAL	1-4	Operator type			105	00	10	Sea		00	14	500
GEI		Load capacity at load center, nominal			105	000	IZ	500	135	00	14:	500
	1-6 1-8	Load center Load distance ⁽¹⁾							00			
	1-0	Wheelbase						80	00			
	2-1	Service weight*		ka	146	270	16	020	190	E 2	10	524
Ъ	2-1	Axle loading with load, front / rear		kg	23421	1748	26163	2357	29577	2976	31134	2890
WEIGHT	2-2	Axle loading without load, front / rear		kg kg	7820	6850	7590	8430	9145	9907	9189	10335
-	3-1	Tire type		Ng	1020	0000	1550		umatic			
	3-1	Tire size, front				10.00-2	20 16PR	Theu	12.00-20 20PR			
WHEELS	3-3	Tire size, rear					20 16PR		12.00-20 20PR 12.00-20 20PR			
ΞH	3-5	Number of tires, front / rear (X driven)				10.00 2		4x	x/2			
N	3-6	Tread, front	b10	mm					842			
	3-7	Tread, rear	b10	mm		20	20		2018			
	4-1	Mast tilt, forward / backward	α/β	(°)				15 /	/ 12			
	4-2	Height, mast lowered (2)	h1	mm		41	35			41	93	
	4-3	Freelift	h2	mm								
	4-4	Lift ⁽³⁾	h3	mm		49	25			49	10	
	4-5	Height, mast extended	h4	mm		65	97			66	48	
	4-7	Height of overhead guard (open cab)	h6	mm		30	55			30	83	
	4-7-1	Height of overhead guard (closed cab) he mm 3082								31	10	
	4-7-2	Height of overhead guard (closed cab w/ airco) h6 mm 3082								31	10	
	4-7-3	Height of overhead guard (closed cab w/ strobe lights) h6 mm 3177								32	05	
	4-7-4	Height of overhead guard (closed cab w/ work lights) h6 mm 3231								32	59	
	4-7-5	Height of overhead guard (closed cab w/ work lights) Height of overhead guard (closed cab w/ airco & strobe lights) he mm 3207								32	35	
	4-8	Seat height to SIP ⁽⁴⁾	h7	mm		18	75		1903			
	4-12	Coupling height	h10	mm		6	61			689		
	4-19	Overall length	11	mm		57	24					
NS	4-20	Length to face of forks	12	mm		45	04					
DIMENSIONS	4-21	Overall width across drive tires	b2	mm		24	90		4717 2541			
ЛЕN	4-22	Fork dimensions ISO 2331	s/e/l	mm		75 / 20	0 / 1220			90 / 20) / 1830	
DIN	4-23	Carriage type				75mm st	d pin type			90mm st	d pin type	
	4-24	Carriage width	b3	mm		23	96			24	96	
	4-25	Width over forks (min / max)	b5	mm	534	2256	534	2256	534	2256	534	2356
	4-31	Ground clearance, lowest point	m1	mm		2	53			24	45	
	4-32	Ground clearance, center of wheelbase	m2	mm		3	13			3.	41	
	4-33-1	Load size	w x l	mm				1200 >	x 1200			
		Aisle width (a=10%)	Ast	mm		67	28			68	96	
		Aisle width (a=0)	Ast	mm			16				69	
		Aisle width (a=200 mm)	Ast	mm		63	316			64	69	
	4-33-2	Load size	wxl	mm				1200	x 800			
		Aisle width (a=10%)	Ast	mm			88				56	
		Aisle width (a=0)	Ast	mm			68				69	
		Aisle width (a=200 mm)	Ast	mm			68				69	
	4-35	Outside turning radius	Wa	mm			07				80	
	4-36	Internal turning radius ⁽⁶⁾	b13	mm		15	38	-	F	14	53	
	5-1	Travel speed, with / without load**		km/h		0.54	10.50	2	5	0.40	10.44	
З	5-2	Lifting speed, with / without load		m/s		0.51	/ 0.59			0.42	0.44	
AN	5-2-1	Lifting speed, with 70% load		m/s						0.5.4	10.49	
PERFORMANCE	5-3	Lowering speed with / without load			m/s 0.56 / 0.54						/ 0.48	
RFO	5-5 Drawbar pull - 1 mph (1.6 km/h), with / without load kN 23 / 25 5-6 Drawbar pull - max, with / without load kN 48 / 50					30/33		165				
PE	5-6 5-7	Drawbar pull - max, with / without load		kN %	10 /			16	63 / 10 /			/ 65
	5-7 5-8	Gradeability - 1 mph (1.6 km/h), with / without load ⁽⁵⁾ Gradeability - max, with / without load ⁽⁵⁾		%	20 /			/ 31				/ 30
	5-8 10-7	Sound pressure level at the driver's seat			207	34	17		20 /	51	19	/ 30
	10-7	Sound pressure level at the driver's seat		dB (A) dB (A)					9.6 3.1			
	10-7-1	orana power level during the working cycle		ub (A)				90				

(1) Centre of drive axle to front face of forks.

(2) Unladen with new tyres.

(3) Bottom of forks.

(4) Full suspension seat in depressed position.

(5) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.

(6) Distance centre truck to centre of internal turning radius.

*Truck models based on 1 pack battery and Standard pin CRG w/o fork positioning. **Travel speed laden/unladen limited at 25km/h as factory default.

J13XD6 / J14XD6 / J16XD6 SPECIFICATIONS

	1-1	Manufacturer					HYS			
	1-2	Model designation			J13	XD6	J14X	D6	J16>	(D6
F	1-3	Powertrain / drivetrain					Elec	tric		
ER/	1-4	Operator type					Seat	ed		
GENERAL	1-5	Load capacity at load center, nominal			13	500	145	00	165	00
6	1-6	Load center					60	0		
	1-8	Load distance (1)					88	9		
	1-9	Wheelbase					330	00		
보	2-1	Service weight*		kg	18-	410	189	60	199	30
WEIGHT	2-2	Axle loading with load, front / rear		kg	29404	2506	30768	2692	33793	2637
≥	2-3	Axle loading without load, front / rear		kg	9813	8597	9725	9234	9848	10082
	3-1	Tire type					Pneur	natic		
s	3-2	Tire size, front					12.00-2) 20PR		
EL	3-3	Tire size, rear					12.00-2) 20PR		
WHEELS	3-5	Number of tires, front / rear (X driven)					4x /	2		
	3-6	Tread, front	b10	mm			184	12		
	3-7	Tread, rear	b11	mm			201			
	4-1	Mast tilt, forward / backward	α/β	(°)			15 /	12		
	4-2	Height, mast lowered ⁽²⁾	h1	mm			419	13		
	4-3	Freelift	h2	mm			-			
	4-4	Lift ⁽³⁾	h3	mm 4910 mm 6648						
	4-5	Height, mast extended	h4	mm	mm 6648					
	4-7	Height of overhead guard (open cab)	h6	mm			308			
	4-7-1	Height of overhead guard (closed cab)	h6	mm			311			
	4-7-2	Height of overhead guard (closed cab w/ airco)	h6	mm			311			
	4-7-3	Height of overhead guard (closed cab w/ strobe lights)	h6	mm			320			
	4-7-4	Height of overhead guard (closed cab w/ work lights)	h6	mm			325			
	4-7-5	Height of overhead guard (closed cab w/ airco & strobe lights)	h6	mm			323			
	4-8	Seat height to SIP (4)	h7	mm			190			
	4-12	Coupling height	h10	mm			68			
S	4-19	Overall length	11	mm			681			
NO	4-20	Length to face of forks	12	mm			498			
DIMENSIONS	4-21	Overall width across drive tires	b2	mm			254			
ME	4-22 4-23	Fork dimensions ISO 2331	s/e/l	mm			90 / 200			
	4-23	Carriage type Carriage width	b2	mm			90mm std 249			
	4-24	Width over forks (min / max)	b3 b5	mm			534/2			
	4-23	Ground clearance, lowest point	m1	mm			24			
	4-32	Ground clearance, center of wheelbase	m2	mm			34			
	4-33-1	Load size	wxl	mm			1200 /			
		Aisle width (a=10%)	Ast	mm			732			
	4-34-1-2		Ast	mm			666			
		Aisle width (a=200 mm)	Ast	mm			686			
	4-33-2	Load size	wxl	mm			1200 >			
		Aisle width (a=10%)	Ast	mm			688			
		Aisle width (a=0)	Ast	mm			626			
		Aisle width (a=200 mm)	Ast	mm			646			
	4-35	Outside turning radius	Wa	mm			457			
	4-36	Internal turning radius (6)	b13	mm			177			
	5-1	Travel speed, with / without load**		km/h			25	5		
ш	5-2	Lifting speed, with / without load		m/s			0.42 /	0.44		
PERFORMANCE	5-2-1	Lifting speed, with 70% load		m/s			-			
MA	5-3	Lowering speed with / without load		m/s			0.54 /	0.48		
FOR	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load		kN	31	/ 33		30	/ 33	
ER	5-6	Drawbar pull - max, with / without load		kN	63	/ 65		62	/ 65	
•	5-7	Gradeability - 1 mph (1.6 km/h), with / without load (5)		%	10	/ 19	9 /	18	8 /	17
	5-8	Gradeability - max, with / without load (5)		%	20	/ 25	19 /		18 /	32
	10-7	Sound pressure level at the driver's seat		dB (A)			69			
	10-7-1	Sound power level during the working cycle		dB (A)			98	.1		

(1) Centre of drive axle to front face of forks.

(2) Unladen with new tyres.

(3) Bottom of forks.

(4) Full suspension seat in depressed position.

(5) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.

(6) Distance centre truck to centre of internal turning radius.

*Truck models based on 1 pack battery and Standard pin CRG w/o fork positioning. **Travel speed laden/unladen limited at 25km/h as factory default.

J10XD12 / J12XD12 / J14XD12 SPECIFICATIONS

Interfactor											
Image: Province in the section of the sectin of the section of the secti		1-1	Manufacturer								
Image Image <t< td=""><td></td><td></td><td></td><td></td><td></td><td>J10></td><td>(D12</td><td></td><td></td><td>J14X</td><td>D12</td></t<>						J10>	(D12			J14X	D12
Non-Disc Field Load Samar Field Bit Bit Bit 1-30 Mone-Dase	AL										
Non-Disc Field Load Samar Field Bit Bit Bit 1-30 Mone-Dase	ER										
Non-Disc Field Load Samar Field Bit Bit Bit 1-30 Mone-Dase	ien						500	125	00	145	00
Image: Part of the strain of the s	0					1200					
matrix matri								39			1
Interpart Interpart <thinterpart< th=""> <thinterpart< th=""> <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<></thinterpart<></thinterpart<>											
Interpart Interpart <thinterpart< th=""> <thinterpart< th=""> <th< td=""><td>H</td><td></td><td>Service weight*</td><td></td><td>kg</td><td>19[.]</td><td></td><td>202</td><td></td><td>227</td><td></td></th<></thinterpart<></thinterpart<>	H		Service weight*		kg	19 [.]		202		227	
Interpart Interpart <thinterpart< th=""> <thinterpart< th=""> <th< td=""><td>EIG</td><td></td><td>Axle loading with load, front / rear</td><td></td><td>kg</td><td>27140</td><td>2467</td><td>29758</td><td>2989</td><td>33886</td><td>3354</td></th<></thinterpart<></thinterpart<>	EIG		Axle loading with load, front / rear		kg	27140	2467	29758	2989	33886	3354
92 1mm 1mm <td>8</td> <td></td> <td>Axle loading without load, front / rear</td> <td></td> <td>kg</td> <td>9994</td> <td>9114</td> <td>9797</td> <td>10450</td> <td>10516</td> <td>12224</td>	8		Axle loading without load, front / rear		kg	9994	9114	9797	10450	10516	12224
main main <thmain< th=""> main main <th< td=""><td></td><td></td><td>Tire type</td><td></td><td></td><td></td><td></td><td>Pneur</td><td>natic</td><td></td><td></td></th<></thmain<>			Tire type					Pneur	natic		
3-9 If Pade, Tront,	s		Tire size, front				12.00-2	0 20PR		12.00	R 20
3-9 If Pade, Tront,	H						12.00-2	0 20PR		12.00	R 20
3-9 If Pade, Tront,	HN		Number of tires, front / rear (X driven)					4x /	2		
Image: Part of the section			Tread, front	b10	mm		18-	42			
4-2 Heght, max lowered [™] h mm H </td <td></td> <td></td> <td>Tread, rear</td> <td></td> <td>mm</td> <td></td> <td>20</td> <td>18</td> <td></td> <td>202</td> <td>20</td>			Tread, rear		mm		20	18		202	20
4-3 Fredit Itel mm Itel mm Itel Itel Itel 4-4 Urit* Might, mast extended hi mm Itel 3083 Itel Itel 3083 Itel 30843 3083 Itel			Mast tilt, forward / backward	α/β	(°)		15 /	12		6 /	10
4.4 Lift int matched hb mm Haight matched Haight mm G648 4.7 Height of overhead guard (open cab) He mm Mm J10 J10 4.7.4 Height of overhead guard (open cab) He mm Mm J10 J10 J10 4.7.4 Height of overhead guard (obeac cab will arbo ights) He Mm Mm J10 J205 J10 4.7.4 Height of overhead guard (obeac cab will arbo ights) He Mm Mm J205 J205 J205 4.7.4 Height of overhead guard (obeac cab will arbo ights) He Mm Mm J205 J205<		4-2	Height, mast lowered ⁽²⁾	h1	mm		41	93		400	8
4-5 Height, mast extended he mm		4-3	Freelift	h2	mm			-			
4-7 Height of overhead guard (losed cab) he mm		4-4	Lift ⁽³⁾	h3	mm			491	10		
4.7.1 Height of overhead guard (closed cab winco) his mm 3110 3110 4.7.2 Height of overhead guard (closed cab winco) his mm 3110 3110 4.7.3 Height of overhead guard (closed cab winco) his mm 3205 3110 4.7.4 Height of overhead guard (closed cab winco) his mm 3235 3235 4.7.4 Height of overhead guard (closed cab winco) his mm 3235 3235 4.7.5 Height of overhead guard (closed cab winco) his mm 3235 3235 4.7.1 Overall lenght of face faces min or		4-5	Height, mast extended	h4	mm			664	18		
4-7.2 Height of overhead guard (closed cab wirktobe lights) 4-12 Oucpling height hind mm 7424 7624 7626 4-12 Oucpling height hind mm 7424 7624 7800 4-24 Carriage width bis mm 8424 7000 (200 (240) 4-24 Garinage width		4-7	Height of overhead guard (open cab)	h6	mm			308	33		
			Height of overhead guard (closed cab)	h6	mm			311	10		
4-7-4 Height of overhead guard (closed cab w/ work lights) he mm Control Contro Control Control Contro Control Control Control Con		4-7-2	Height of overhead guard (closed cab w/ airco)	h6	mm			311	10		
4.7.5 Hight of overhead guard (closed cab w/ airco & strobe lights) hie mm 3235 4.8 Stath leight 10 SiP *0 hr nm 1003 1003 4.19 Overall leight hr nm 7624 7806 4.20 Leight 10 face of forks 12 nm 7724 7824 7806 4.21 Overall with across drive tires 12 nm 7724 7824 7806 4.22 Fork dimensions ISO 231 ski/ nm 90/007/2440 254 4.22 Fork dimensions ISO 233 ski/ nm 700/2007/2440 2540 4.23 Carriage type mm m 700/2017/2440 2540 4.24 Carriage type mm m 700/2017/2440 2724 4.24 Ground clarance, constro for k-fini / max) mi nm 731 740 4.33 Could clarance, center of wheelbase m2 nm 7407 7240 4.33 Load size mx nm 7862		4-7-3	Height of overhead guard (closed cab w/ strobe lights)	h6	mm			320)5		
4.8.8 Seat height to SIP.® h7 mm 1903 4.12 Coupling height h10 mm 689 4.12 Coupling height h1 mm 7424 7624 7806 4.20 Length to face of forks 12 mm 4984 5184 5366 4.21 Overall equity hor face of forks 12 mm 4984 5184 5366 4.22 Length to face of forks 12 mm 4984 5184 5366 4.22 Carriage vidth overall equity hor face of forks 10 mm 90/mm std pin type 2540 4.23 Carriage vidth b3 mm 0.2495 225 4.24 Carriage vidth max) mm 534.2356 2215 4.33 Ground clearance, lowest point mi mm 2400 2400 4.34.11 Alse width (a=10%) Ast mm 7862 8236 2215 4.34.11 Alse width (a=10%) Ast mm 8664 9060 9037 4.34.14 Aste width (a=10%)		4-7-4	Height of overhead guard (closed cab w/ work lights)	h6	mm			325	59		
44.12 Coupling height hno mm Coupling height free difference 4.19 Overall length 1 nm M2424 7624 7624 7624 4.20 Length for loce of forks b2 nm 4984 5164 5366 4.21 Overall width across drive tires b2 nm 90/200/24/0 541 5366 4.22 Fork dimensions (S0 2331 sm m 90/200/24/0 2541 4.23 Carriage yidth b3 nm 90/20/24/0 2540 4.24 Carriage width over forks (min / nax) b5 nm C34/235 470/2440 4.33 Ground clearance, lowest point m1 nm 249×23 700/2440 4.33 Load size wx 1 nm 8648 9060 9037 4.34.2 Aise width (a=0%) Ast nm 8648 9060 9037 4.34.2 Aise width (a=0%) Ast nm 86425 8236 8415 <t< td=""><td></td><td>4-7-5</td><td>Height of overhead guard (closed cab w/ airco & strobe lights)</td><td>h6</td><td>mm</td><td></td><td></td><td>323</td><td>35</td><td></td><td></td></t<>		4-7-5	Height of overhead guard (closed cab w/ airco & strobe lights)	h6	mm			323	35		
4-19 Overall length H1 mm 7424 7624 7806 4-20 Length to face of forks L2 mm 494.4 518.4 5366 4-20 Derrell with tarcos drive tires De mm 402 524.1 4-22 Fork dimensions ISO 2331 Si/ell mm 90/200/2440 254.0 4-23 Carriage type Fork dimensions iso 20331 Si/ell mm 90mm std pirtype 2540 4-23 Carriage type Carriage with Si mm 690mm std pirtype 2540 4-23 Ground clearance, center of wheelbase mm mm 334/235 470/2440 4-33 Load size Ground clearance, center of wheelbase mm mm 7802 2800 2516 4-33.1 Load size Ground clearance, center of wheelbase ws x1 mm 8648 9060 9037 4-34.2 Aisle with (a=00) Ast mm 7802 8438 8415 4-34.2 Aisle with (a=0)		4-8	Seat height to SIP (4)	h7	mm			190)3		
4-20 Length to face of forks 12 mm 4984 5184 5366 4-21 Overall width acros drive tires b2 mm		4-12	Coupling height	h10	mm						
4-24 Carriage width b3 mm 0.00000000000000000000000000000000000		4-19	Overall length	11	mm	74	24	762	24	780	16
4-24 Carriage width b3 mm 0.00000000000000000000000000000000000	SN	4-20	Length to face of forks	12	mm	49	84	518	34	536	6
4-24 Carriage width b3 mm 0.00000000000000000000000000000000000	sio	4-21	Overall width across drive tires	b2	mm			254	41		
4-24 Carriage width b3 mm 0.00000000000000000000000000000000000	MEN	4-22	Fork dimensions ISO 2331	s/e/l	mm			90 / 200	/ 2440		
4-25 Width over forks (min / max) b5 mm 534 / 2356 470 / 2440 4-31 Ground clearance, lowest point m1 mm 245 225 4-32 Ground clearance, center of wheelbase w1 mm 245 2400 x 2400 4-33 Load size wx1 mm 8648 9060 9037 4-34-1-1 Aisle width (a=10%) Ast mm 86648 9060 9037 4-34-1-2 Aisle width (a=0) Ast mm 86648 9060 9037 4-34-1-3 Aisle width (a=0) Ast mm 8062 8236 8215 4-34-2 Aisle width (a=0,0 Ast mm 8062 8433 - 4-34-2.2 Aisle width (a=0,0 Ast mm 8021 8433 - 4-34-2.2 Aisle width (a=0,0 Ast mm 7292 7666 - 4-34-2.2 Aisle width (a=0,0 Math mm 7492 7866 - 4-34 Internal turning radius Math mm 74792 7666 - <td>DIN</td> <td>4-23</td> <td>Carriage type</td> <td></td> <td></td> <td></td> <td>90mm sto</td> <td>d pin type</td> <td></td> <td>100mm sto</td> <td>l pin type</td>	DIN	4-23	Carriage type				90mm sto	d pin type		100mm sto	l pin type
4-31 Ground clearance, lowest point m1 mm mm 225 4-32 Ground clearance, center of wheelbase m2 mm -341 4-32 Ground clearance, center of wheelbase wx l mm 8648 9060 90937 4-334-11 Aisle width (a=10%) Ast mm 86648 9060 9037 4-344-12 Aisle width (a=0) Ast mm 86648 9060 9037 4-342-1 Aisle width (a=0) Ast mm 86648 9060 9037 4-342-2 Aisle width (a=0) Ast mm 7866 8236 8215 4-342-2 Aisle width (a=0) Ast mm 8021 8433		4-24	Carriage width	b3	mm		24	96		254	10
4-32 Ground clearance, center of wheelbase m2 mm 341 4-33-1 Load size wx1 mm 2400 x 2400 4-34-1-1 Aisle width (a=10%) Ast mm 8648 9060 9037 4-34-1-2 Aisle width (a=0) Ast mm 8648 9060 8036 8215 4-34-12 Aisle width (a=00 Ast mm 8062 8436 8415 4-33-2 Load size wx1 mm 8062 8436 6415 4-33-2 Aisle width (a=0%) Ast mm 8062 8433 6-1 4-34-2.2 Aisle width (a=0%) Ast mm 8021 8433 - 4-34-2.2 Aisle width (a=00 Ast mm 7292 7666 - 4-34-2.2 Aisle width (a=00 Ms mm 7492 7866 - - 4-34 Dutside turning radius Wa mm 4573 4947 4874 4-35 Outside turning radius Mai mm 7772 9404 803043 <t< td=""><td></td><td>4-25</td><td>Width over forks (min / max)</td><td>b5</td><td>mm</td><td></td><td>534/</td><td>2356</td><td></td><td>470/2</td><td>2440</td></t<>		4-25	Width over forks (min / max)	b5	mm		534/	2356		470/2	2440
4-33-1 Load size wx l mm 000000000000000000000000000000000000		4-31	Ground clearance, lowest point	m1	mm		24	15		22	5
4-34-1-1 Aisle width (a=10%)Asicmm8648906090374-34-12 Aisle width (a=0)Aisle width (a=0)Asicmm7862823682154-34-13 Aisle width (a=200 mm)Asicmm8062843684154-33-2 A-34-2-1 Aisle width (a=10%)Mmm19301830-4-34-2-3 Aisle width (a=0)Asicmm802184334-34-2-3 Aisle width (a=0)Asicmm729276664-34-2-3 Aisle width (a=0)Asicmm749276664-34-2-3 Aisle width (a=200 mm)Asicmm749276664-34-35 Outside turning radiusMaismm747219401803-4-34-36 Internal turning radiusMaismm177719401803-5-1Travel speed, with / without loadMaismm0.54 / U40.39 / 0.465-2.1 5-2.1 5-2.1 5-3 5-3 5-3Lifting speed, with / without loadMaism/s0.54 / U40.54 / 0.455-3 5-3 5-3Lowering speed with / without loadMaisMis30 / 3330 / 3330 / 325-5 5-3 5-3Gradebility - 1 mph (1.6 km/h), with / without loadMaisMis31 / 3330 / 3330 / 325-6 5-7 5-8Gradebility - 1 mph (1.6 km/h), with / without loadMaisMais11 / 1810 / 178 / 155-8 5-8Gradebil		4-32	Ground clearance, center of wheelbase	m2	mm			34	1		
4-34-1-2 Aisle width (a=0) Ast mm 7862 8236 8215 4-34-1-3 Aisle width (a=200 mm) Ast mm 8062 8436 8415 4-33-2 Load size wx l mm 68021 8433 4-34-2-4 Aisle width (a=10%) Ast mm 8021 8433 4-34-2-2 Aisle width (a=0) Ast mm 7292 7666 4-34-2-3 Aisle width (a=200 mm) Ast mm 7492 7866 4-34-2-3 Aisle width (a=200 mm) Mas mm 4737 1940 1803 4-34 Internal turning radius Wa mm 4757 4947 4874 4-35 Outside turning radius Wa mm 4737 1940 1803 5-1 Travel speed, with /without load Km/h mm 0.42/U-44 0.39/0.46 5-2 Lifting speed, with /without load Ms m/s 60.42/U-44 0.39/0.46 5-3 Lowering speed with /without load Ms m/s 3				w x l	mm			2400 x	2400		
4-34-1-3 Aisle width (a=200 mm) Ast mm 8062 8436 8415 4-33-2 Load size w x l mm 1930 × 1830 - 4-34-2.1 Aisle width (a=10%) Ast mm 8021 8433 - 4-34-2.2 Aisle width (a=0) Ast mm 7292 7666 - 4-34-2.2 Aisle width (a=200 mm) Ast mm 7492 7866 - 4-34-2.3 Aisle width (a=200 mm) Ast mm 4573 4947 4874 4-35 Outside turning radius Wa mm 1777 1940 1803 5-1 Travel speed, with / without load** S mm 0.42 / .44 0.39 / 0.46 5-2.1 Lifting speed, with / without load m/s 0.42 / .48 0.54 / 0.45 0.54 / 0.45 5-5 Drawbar pull - max, with / without load m 31 / 33 30 / 33 30 / 32 5-5 Drawbar pull - max, with / without load KN 31 / 33 30 / 33 30 / 32 5-6 Drawbar pull - max, with / without load KN 31		4-34-1-1	Aisle width (a=10%)	Ast	mm	86	48	906	60	903	37
4-33-2 Load size w x l mm 1930 × 1830 - 4-33-2: Aisle width (a=10%) Ast mm 8021 8433 - 4-34-2: Aisle width (a=0) Ast mm 7292 7666 - 4-34-2: Aisle width (a=00mm) Ast mm 7492 7866 - 4-35 Outside turning radius Wa mm 4573 4947 4874 4-36 Internal turning radius (%) Wa mm 1777 1940 1803 5-1 Travel speed, with / without load** ms 0.42 ∪.4 0.39 /0.46 0.39 /0.46 5-2.2 Lifting speed, with 70% load ms ms 0.42 ∪.4 0.39 /0.46 5-2.1 Lifting speed, with / without load ms 0.54 /0.45 0.54 /0.45 5-5 Drawbar pull - max, with / without load ms 30 / 33 30 / 33 30 / 32 5-5 Drawbar pull - max, with / without load (%) KN 11 / 38 10 / 17 8 / 15 5-6 Drawbar pull - max, with / without load (%) % 22 / 35 20 / 33<		4-34-1-2	Aisle width (a=0)	Ast	mm	78	62	823	36	821	5
4-34-2-1 Aisle width (a=10%) Ast mm 8021 8433 - 4-34-22 Aisle width (a=0) Ast mm 7292 7666 - 4-34-22 Aisle width (a=200 mm) Ast mm 7492 7866 - 4-35 Outside turning radius Wa mm 4573 4947 4874 4-36 Internal turning radius (%) b13 mm 1777 1940 1803 5-1 Travel speed, with / without load** 5-1 Km/h 5-2 0.39 / 0.46 5-2 Lifting speed, with / without load<**		4-34-1-3	Aisle width (a=200 mm)	Ast	mm	80	62	843	36	841	5
4-34-2-2 Aisle width (a=0) Ast mm 7292 7666 - 4-34-2-2 Aisle width (a=200 mm) Ast mm 7492 7866 - 4-35 Outside turning radius Wa mm 4573 4947 4874 4-36 Internal turning radius (%) b13 mm 1777 1940 1803 5-1 Travel speed, with / without load** 5-1 Travel speed, with / without load** 0.39 / 0.46 0.39 / 0.46 5-2 Lifting speed, with / without load<**		4-33-2	Load size	w x l	mm		1930 x	(1830		-	
4-34-2-3 Aisle width (a=200 mm) Ast mm 7492 7866 - 4-35 Outside turning radius Wa mm 4573 4947 4874 4-36 Internal turning radius (%) b13 mm 1777 1940 1803 5-1 Travel speed, with / without load** 6 m/s 0.42/2.44 0.39/0.46 5-2 Lifting speed, with / without load m/s 0.54/0.43 0.54/0.45 0.54/0.45 5-2.1 Lifting speed, with / without load m/s 0.54/0.43 0.54/0.45 0.54/0.45 5-3 Lowering speed with / without load m/s 31/33 30/33 30/32 5-5 Drawbar pull - 1 mph (1.6 km/h), with / without load m/s 11/18 10/17 8/15 5-6 Drawbar pull - max, with / without load (%) % 32/35 20/33 17/30 5-8 Gradeability - 1 mph (1.6 km/h), with / without load (%) % 22/35 20/33 17/30 5-8 Gradeability - 1 mph (1.6 km/h), with / without load (%) % 22/35 20/33 17/30 10-7 Sound pressu				Ast	mm	80	21	843	33	-	
4-35 Outside turning radius Wa mm 4573 4947 4874 4-36 Internal turning radius (%) b13 mm 1777 1940 1803 5-1 Travel speed, with / without load** F Wa mm 1777 1940 1803 5-2 Lifting speed, with / without load** F Wa m/s 0.42/J4 0.39 / 0.46 5-2.1 Lifting speed, with / without load F m/s 0.42/J4 0.39 / 0.46 5-2.1 Lifting speed, with / without load F m/s 0.54 / 0.43 0.54 / 0.43 5-3 Lowering speed with / without load F Ms 31 / 33 30 / 33 30 / 32 5-5 Drawbar pull - 1 mph (1.6 km/h), with / without load F KN 31 / 33 30 / 33 30 / 32 5-6 Drawbar pull - max, with / without load F KN 11 / 18 10 / 17 8 / 15 5-7 Gradeability - 1 mph (1.6 km/h), with / without load (%) F M 11 / 18 10 / 17 8 / 15 5-8 Gradeability - max, with / without load (%) KN 62 /				Ast	mm	72	92	766	66	-	
4-36 Internal turning radius (®) b13 mm 1777 1940 1803 5-1 Travel speed, with / without load** km/h 25 5-2 Lifting speed, with / without load m/s 0.42 / 0.44 0.39 / 0.46 5-2.1 Lifting speed, with / without load m/s 0.54 / 0.48 0.54 / 0.45 5-3 Lowering speed with / without load m/s 30 / 33 30 / 32 5-5 Drawbar pull - 1 mph (1.6 km/h), with / without load kN 31 / 33 30 / 33 30 / 32 5-6 Drawbar pull - max, with / without load kN 63 / 65 62 / 64 62 / 64 5-7 Gradeability - 1 mph (1.6 km/h), with / without load (®) % 11 / 18 10 / 17 8 / 15 5-8 Gradeability - max, with / without load (®) % 22 / 35 20 / 33 17 / 30 10-7 Sound pressure level at the driver's seat dB (A) 69.6 69.6 69.6		4-34-2-3	Aisle width (a=200 mm)	Ast	mm	74	92	786	66	-	
5-1 Travel speed, with / without load** km/h 25 5-2 Lifting speed, with / without load m/s 0.42 / 0.44 0.39 / 0.46 5-2.1 Lifting speed, with / without load m/s 0.54 / 0.43 0.44 5-3 Lowering speed with / without load m/s 0.54 / 0.48 0.54 / 0.45 5-5 Drawbar pull - 1 mph (1.6 km/h), with / without load kN 31 / 33 30 / 33 30 / 32 5-6 Drawbar pull - max, with / without load kN 63 / 65 62 / 64 5-7 Gradeability - 1 mph (1.6 km/h), with / without load (%) % 11 / 18 10 / 17 8 / 15 5-8 Gradeability - max, with / without load (%) % 22 / 35 20 / 33 17 / 30 10-7 Sound pressure level at the driver's seat dB (A) €9.6 €9.6 €9.6			Outside turning radius	Wa	mm	45	73	494	47	487	74
5-2 Lifting speed, with / without load m/s 0.42 / 0.4 0.39 / 0.46 5-2.1 Lifting speed, with 70% load m/s 0.44 0.44 5-3 Lowering speed with / without load m/s 0.54 / 0.48 0.54 / 0.45 5-5 Drawbar pull - 1 mph (1.6 km/h), with / without load kN 31 / 33 30 / 33 30 / 32 5-6 Drawbar pull - max, with / without load kN 63 / 65 62 / 64 5-7 Gradeability - 1 mph (1.6 km/h), with / without load (%) % 11 / 18 10 / 17 8 / 15 5-8 Gradeability - max, with / without load (%) % 22 / 35 20 / 33 17 / 30 10-7 Sound pressure level at the driver's seat dB (A) €9.6 €9.6 €9.6				b13	mm	17	77	194	10	180	13
5-2-1 Lifting speed, with 70% load m/s			Travel speed, with / without load**		km/h			25	5		
5-7 Gradeability - 1 mph (1.6 km/h), with / without load (*) % 11 / 18 10 / 17 8 / 15 5-8 Gradeability - max, with / without load (*) % 22 / 35 20 / 33 17 / 30 10-7 Sound pressure level at the driver's seat dB (A) 69.6	щ		Lifting speed, with / without load		m/s		0.42 /	0.44			
5-7 Gradeability - 1 mph (1.6 km/h), with / without load (*) % 11 / 18 10 / 17 8 / 15 5-8 Gradeability - max, with / without load (*) % 22 / 35 20 / 33 17 / 30 10-7 Sound pressure level at the driver's seat dB (A) 69.6	NG		Lifting speed, with 70% load		m/s		-			0.4	4
5-7 Gradeability - 1 mph (1.6 km/h), with / without load (*) % 11 / 18 10 / 17 8 / 15 5-8 Gradeability - max, with / without load (*) % 22 / 35 20 / 33 17 / 30 10-7 Sound pressure level at the driver's seat dB (A) 69.6	SM/		Lowering speed with / without load		m/s		0.54 /	0.48		0.54 /	0.45
5-7 Gradeability - 1 mph (1.6 km/h), with / without load (*) % 11 / 18 10 / 17 8 / 15 5-8 Gradeability - max, with / without load (*) % 22 / 35 20 / 33 17 / 30 10-7 Sound pressure level at the driver's seat dB (A) 69.6	FOF				kN	31	/ 33	30 /	33	30 /	32
5-7 Gradeability - 1 mph (1.6 km/h), with / without load (*) % 11 / 18 10 / 17 8 / 15 5-8 Gradeability - max, with / without load (*) % 22 / 35 20 / 33 17 / 30 10-7 Sound pressure level at the driver's seat dB (A) 69.6	PER										
10-7 Sound pressure level at the driver's seat dB (A) 69.6			Gradeability - 1 mph (1.6 km/h), with / without load (5)			11	/ 18				
		5-8	Gradeability - max, with / without load (5)		%	22	/ 35	20 /	33	17 /	30
10-7-1 Sound power level during the working cycle dB (A) 98.1		10-7	Sound pressure level at the driver's seat		dB (A)			69.	.6		
		10-7-1	Sound power level during the working cycle		dB (A)			98	.1		

(1) Centre of drive axle to front face of forks.

(2) Unladen with new tyres.

(3) Bottom of forks.

(4) Full suspension seat in depressed position.

(5) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.

(6) Distance centre truck to centre of internal turning radius.

*Truck models based on 1 pack battery and Standard pin CRG w/o fork positioning. **Travel speed laden/unladen limited at 25km/h as factory default.

J16XDS9 / J16XDS12 / J18XD6 SPECIFICATIONS

*Truck models based on 1 pack battery and Standard pin CRG w/o fork positioning.

**Travel speed laden/unladen limited at 25km/h as factory default.

	1-1	Manufacturer					HYS				
	1-2	Model designation			J16)	KDS9	J16XE		J18X	D6	
Å	1-3	Powertrain / drivetrain					Elec				
ER	1-4	Operator type					Seat	ed			
GENERAL	1-5	Load capacity at load center, nominal				164			1820		
Ŭ	1-6	Load center			9	00	120		600)	
	1-8	Load distance ⁽¹⁾					94				
	1-9	Wheelbase				0.40	350		0.404		
E	2-1	Service weight*		kg		040	239		2121		
WEIGHT	2-2 2-3	Axle loading with load, front / rear		kg	35641	2799	36929	3410	36698	2713	
	2-3 3-1	Axle loading without load, front / rear		kg	10615	11425	10497 Brour	13442 10485 10726 eumatic			
	3-1	Tire type Tire size, front					12.00				
LS	3-2	Tire size, rear					12.00				
WHEELS	3-5	Number of tires, front / rear (X driven)					4x /				
3	3-5	Tread, front	b10	mm			184				
	3-7	Tread, rear	b10	mm			202				
	4-1	Mast tilt, forward / backward	α/β	(°)			6 /				
	4-2	Height, mast lowered (2)	h1	mm			400				
	4-3	Freelift	h2	mm			-				
	4-4	Lift ⁽³⁾	h3	mm			449	94			
	4-5	Height, mast extended	h4	mm			625	55			
	4-7	Height of overhead guard (open cab)	h6	mm			308	33			
	4-7-1	Height of overhead guard (closed cab)	h6	mm			311	0			
	4-7-2	Height of overhead guard (closed cab w/ airco)	h6	mm			311	0			
	4-7-3	Height of overhead guard (closed cab w/ strobe lights)	h6	mm			320)5			
	4-7-4	Height of overhead guard (closed cab w/ work lights)	h6	mm			325	59			
	4-7-5	Height of overhead guard (closed cab w/ airco & strobe lights)	h6	mm			323	35			
	4-8	Seat height to SIP (4)	h7	mm			190)3			
	4-12	Coupling height	h10	mm			68				
10	4-19	Overall length	l1	mm			780				
SNO	4-20	Length to face of forks	12	mm			536				
DIMENSIONS	4-21	Overall width across drive tires	b2	mm			254				
ME	4-22	Fork dimensions ISO 2331	s/e/l	mm			100 / 200				
ā	4-23 4-24	Carriage type	ha				100mm sto 254				
	4-24	Carriage width Width over forks (min / max)	b3 b5	mm			470 / 2				
	4-25	Ground clearance, lowest point	m1	mm mm			22				
	4-31	Ground clearance, center of wheelbase	m2	mm			34				
	4-33-1	Load size	wxl	mm			2400 /				
	4-34-1-1	Aisle width (a=10%)	Ast	mm	90)37	905		903	7	
		Aisle width (a=0)	Ast	mm		215	823		821		
		Aisle width (a=200 mm)	Ast	mm		115	843		841		
	4-33-2	Load size	w x I	mm			-				
		Aisle width (a=10%)	Ast	mm			-				
		Aisle width (a=0)	Ast	mm			-				
	4-34-2-3	Aisle width (a=200 mm)	Ast	mm			-				
	4-35	Outside turning radius	Wa	mm	48	374	488	39	487	4	
	4-36	Internal turning radius ⁽⁶⁾	b13	mm			180				
	5-1	Travel speed, with / without load**		km/h			25	5			
빙	5-2	Lifting speed, with / without load		m/s		0.39 /			0.37/0		
PERFORMANCE	5-2-1	Lifting speed, with 70% load		m/s		0.4			0.4	3	
RM.	5-3	Lowering speed with / without load		m/s			0.54 /				
8F0	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load		kN		10.1	29/			-	
PEF	5-6	Drawbar pull - max, with / without load		kN		/ 64	61/		61/0		
	5-7	Gradeability - 1 mph (1.6 km/h), with / without load (5)		%		/ 15	7/		8/1		
	5-8	Gradeability - max, with / without load (5)		% dB (A)	17	/ 31	16 /		16/3	00	
	10-7	Sound pressure level at the driver's seat		dB (A)			69.				
	10-7-1	Sound power level during the working cycle		dB (A)			98	.1			

(1) Centre of drive axle to front face of forks.

(2) Unladen with new tyres.

(3) Bottom of forks.

(4) Full suspension seat in depressed position.

(5) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.

(6) Distance centre truck to centre of internal turning radius.

J16XD9 / J16XD12 / J18XD9 SPECIFICATIONS

1-2 Model designation IDE IDE IDE IDE IDE IDE IDE IDE IDE 1-3 Devration (infinitram) IDE											
9 Powerfair (diring diring diririg diring diririg diring diri		1-1	Manufacturer								
Interpretation Interpretati						J16)	XD9			J18X	(D9
ngoLada distante ^m ngongongongongongongo1-30WheebaseNme<	4										
ngoLada distante ^m ngongongongongongongo1-30WheebaseNme<	ER								ted		
Image: Ladi claimImage: Ladi claimI	lie lie										
Image Image <t< td=""><td></td><td></td><td></td><td></td><td></td><td>90</td><td>00</td><td></td><td></td><td>90</td><td>0</td></t<>						90	00			90	0
2-3Series weight*PinNg2307-72306-6226162-2Axis loading with load, front / rear**NNg35044266396366963669772777727											
9-3 The yope Promunate Promunate 22 The size, front 12.00 R 20 12.00 R 20 3-35 Number of tiles, front / rear (X driven) m 4./2 4./2 3-45 Number of tiles, front / rear (X driven) m 4./2 4./2 3-47 Tread, rear bit mm 2000 4./2 3-7 Tread, rear bit mm 2000 - 4-42 Height, mast lowered @ ht mm - - 4-42 Height, mast lowered @ ht mm - - 4-43 Froefit ht mm - - 4-44 Lith* mm - - - 4-44 Lith* mm - - - 4-45 Height of orchead guard (closed cabw lorco) ht mm - - 4-74 Height of orchead guard (closed cabw lorco) hte mm - - 4-74 Height of orche											
9-3 The yope Promunate Promunate 22 The size, front 12.00 R 20 12.00 R 20 3-35 Number of tiles, front / rear (X driven) m 4./2 4./2 3-45 Number of tiles, front / rear (X driven) m 4./2 4./2 3-47 Tread, rear bit mm 2000 4./2 3-7 Tread, rear bit mm 2000 - 4-42 Height, mast lowered @ ht mm - - 4-42 Height, mast lowered @ ht mm - - 4-43 Froefit ht mm - - 4-44 Lith* mm - - - 4-44 Lith* mm - - - 4-45 Height of orchead guard (closed cabw lorco) ht mm - - 4-74 Height of orchead guard (closed cabw lorco) hte mm - - 4-74 Height of orche	1 H										
9-3 The yope Promunate Promunate 22 The size, front 12.00 R 20 12.00 R 20 3-35 Number of tiles, front / rear (X driven) m 4./2 4./2 3-45 Number of tiles, front / rear (X driven) m 4./2 4./2 3-47 Tread, rear bit mm 2000 4./2 3-7 Tread, rear bit mm 2000 - 4-42 Height, mast lowered @ ht mm - - 4-42 Height, mast lowered @ ht mm - - 4-43 Froefit ht mm - - 4-44 Lith* mm - - - 4-44 Lith* mm - - - 4-45 Height of orchead guard (closed cabw lorco) ht mm - - 4-74 Height of orchead guard (closed cabw lorco) hte mm - - 4-74 Height of orche											3088
Section Section Image: Section					kg	10592	10714			10592	12023
State 3.3 Tresize, rear Les Image: Les 12.08 R 20 3.5 Number of tres, front / rear (X driven) bit mm 44.72 3.6 Tread, front bit mm 200 56.10 3.7 Tread, front bit mm 200 56.10 3.7 Tread, front bit mm 200 56.10 3.7 Tread, front frond mm 200 57.00 4.3 Fredifit mstitt, froward / Jackward ht mm											
3-6 Tread, rear bit mm	~										
3-6 Tread, rear bit mm	Ξ										
3.7 Tread, raar brt mm 2020 4.1 Mast til, forward / backward ox / β (') 6 / 10 4.2 Mast til, forward / backward h mm 4008 4.3 Freelit h2 nm 444 4.4 Lift ⁽ⁿ⁾ haght, mast textended ha mm 444 4.5 Height of overhead guard (open cab) ha mm 00333 4.7 Height of overhead guard (oce cab) ha mm 3110 4.7 Height of overhead guard (oce cab) ha mm 3225 4.7 Height of overhead guard (oce cab) ha mm 3225 4.7.3 Height of overhead guard (ocide cab w/ airco) ha mm 3225 4.7.4 Height of overhead guard (ocide cab w/ airco) ha mm 3225 4.7.5 Height of overhead guard (ocide cab w/ airco) ha mm 3225 4.7.5 Height of overhead guard (ocide cab w/ airco) ha mm 3225 4.19 Overall ength hi0 mm mm 3225 4.20 Langth to face of forks iz mm mm 2641 4.21 Overall ength hi0 mm <td>≣</td> <td></td>	≣										
4-1 Mask till, forward / backward α / β (*) β / 0 4-2 Haight, mask lowered ¹⁰ ht nm											
4-2 Height, mast lowered (**) ht mm 4008 4-3 Freelit hz nm - 4-4 Lift.(**) hz nm 494 4-5 Height, mast xtindod h4 mm 6255 4-7 Height of overhead guard (closed cab) h6 mm 3083 4-7.4 Height of overhead guard (closed cab wi sirobe lights) h6 mm 3110 4-7.2 Height of overhead guard (closed cab wi sirobe lights) h6 mm 3205 4-7.4 Height of overhead guard (closed cab wi sirobe lights) h6 mm 3205 4-7.4 Height of overhead guard (closed cab wi sirobe lights) h6 mm 3225 4-7.4 Height of overhead guard (closed cab wi sirobe lights) h6 mm 3225 4-7.3 Height of overhead guard (closed cab wi sirobe lights) h6 mm 3225 4-7.4 Height of overhead guard (closed cab wi sirob & strobe lights) h6 mm 3225 4-7.5 Height of overhead guard (closed cab wi sirob & strobe lights) <td></td>											
4-3 Freelift h2 mm											
4-4 Lift ⁽ⁿ⁾ h3 mm 4494 4-5 Height, mast extended h4 mm 6255 4-7 Height of overhead guard (closed cab) h6 mm 3110 4-7.1 Height of overhead guard (closed cab) h6 mm 3110 4-7.2 Height of overhead guard (closed cab) winco h6 mm 3100 4-7.4 Height of overhead guard (closed cab winco) h6 mm 3205 4-7.4 Height of overhead guard (closed cab winco) h6 mm 3205 4-7.4 Height of overhead guard (closed cab winco) h6 mm 3225 4-7.5 Height of overhead guard (closed cab winco) h6 mm 3225 4-7.5 Height of overhead guard (closed cab winco) h6 mm 3225 4-7.5 Height of overhead guard (closed cab winco) h6 mm 3225 4-7.5 Height of overhead guard (closed cab winco) h7 mm 3225 4-7.5 Height of overhead guard (closed cab winco) h7 mm 3225 4-7.5 Height of overhead guard (closed cab winco)											
4-5 Height, mast extended h4 mm 000000000000000000000000000000000000											
4-7 Height of overhead guard (closed cab) h6 mm 3083 4-7.1 Height of overhead guard (closed cab w) h6 mm 3110 4-7.2 Height of overhead guard (closed cab wirco) h6 mm 3205 4-7.3 Height of overhead guard (closed cab wirco) h6 mm 3225 4-7.4 Height of overhead guard (closed cab wirco) h6 mm 3235 4-7.4 Height of overhead guard (closed cab wirco) h6 mm 3235 4-7.4 Height of overhead guard (closed cab wirco) h6 mm 3235 4-7.4 Height of overhead guard (closed cab wirco) h6 mm 3235 4-7.5 Height of overhead guard (closed cab wirco) h6 mm 3235 4-7.5 Height of overhead guard (closed cab wirco) h7 mm 3235 4-7.5 Height of overhead guard (closed cab wirco) h7 mm 3235 4-7.5 Height of overhead guard (closed cab wirco) h7 mm 3003 4-10 Overall ength for lose of forks l2 mm 3005 4-21 Overa											
4-7-1 Height of overhead guard (closed cab) hs mm 3110 4-7-2 Height of overhead guard (closed cab) hs mm 3100 4-7-3 Height of overhead guard (closed cab) hs mm 3205 4-7-4 Height of overhead guard (closed cab) hs mm 3205 4-7-4 Height of overhead guard (closed cab) hs mm 32259 4-7-4 Height of overhead guard (closed cab) hs mm 3235 4-7-5 Height of overhead guard (closed cab) hs mm 3235 4-8 Satheight to SIP ⁽ⁿ⁾ hr mm 689 4-12 Coupling height ht mm 8056 4-20 Length to face of forks lz mm 2541 4-21 Overall width across drive tires bz mm 100/r00 4-22 Fork dimensions ISO 2331 siel 1 mm 2541 4-22 Carriage type mm 2540 100/r00 4-23 Carriage type											
4-7-2 Height of overhead guard (closed cab w/ sirco) hs mm 3110 4-7-3 Height of overhead guard (closed cab w/ strobe lights) hs mm 3205 4-7-4 Height of overhead guard (closed cab w/ strobe lights) hs mm 3259 4-7-5 Height of overhead guard (closed cab w/ strobe lights) hs mm 3235 4-8 Saat height to SIP " hr mm 303 100 4-12 Coupling height hr mm 8056 1003 4-12 Coupling height hr mm 8056 100 4-12 Coupling height hr mm 8056 100 4-21 Deverall width across drive tires b2 mm 2541 100 4-22 Fork dimensions ISO 2331 sie mi mm 2540 100mm stip in type 4-23 Carriage type mm 2540 100mm stip in type 100/200 100mm stip in type 100/200 100mm stip in type 100/200 100mm stip in type 100											
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4-7-4 4 Height of overhead guard (closed cab w/ work lights)h6 h6 mmm32594-7.5 4-8.3 Seat height to SIP 140h70 mmmm32354-8.3 4-12 Coupling heighth10 mmmm19034-12 4-19Coupling heighth10 mmmm80564-19 4-20 4-20 4-21 Coupling heighth11 mmmm80564-21 4-22 4-22 6 rok dimensions ISO 231isein3004-22 4-23 4-24 4-24 carriage widthcarriage typemm100/2004-24 4-23 4-24 carriage widthb3 mmmm25404-24 4-23 4-24 carriage widthb3 mmmm25404-24 4-23 4-24 carriage widthb3 mmmm25404-24 4-31 4-331											
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4-35 Outside turning radius Wa mm 5185 4-36 Internal turning radius ⁽⁶⁾ b13 mm 1803 1996 5-1 Travel speed, with / without load*** km/h 25 25								-			
4-36 Internal turning radius ⁽⁶⁾ b13 mm 1803 1996 5-1 Travel speed, with / without load*** km/h 25								518	35		
5-1 Travel speed, with / without load*** km/h 25 5-2 Lifting speed, with / without load m/h 0.32 / 0.44 0.37 / 0.44		4-36	Internal turning radius ⁽⁶⁾		mm	18	03				
5-2 Lifting speed, with / without load m/s 0.39 / 0.46 0.39 / 0.44 0.37 / 0.4	کر ہے	5-1	Travel speed, with / without load***								
		5-2	Lifting speed, with / without load					0.37 /	0.45		
5-2-1 Lifting speed, with 70% load m/s 0.44 0.43	PERFORMANCE	5-2-1	Lifting speed, with 70% load		m/s		0.	44		0.4	13
5-3 Lowering speed with / without load m/s 0.54 / 0.45	W N	5-3	Lowering speed with / without load		m/s			0.54 /	0.45		
Control KN 30 / 32 29 / 32	FOR	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load		kN	30 /	/ 32		29	/ 32	
5-6 Drawbar pull - max, with / without load kN 62 / 65 61 / 64	ER	5-6	Drawbar pull - max, with / without load		kN	62 /	65		61	/ 64	
5-7 Gradeability - 1 mph (1.6 km/h), with / without load ⁽⁵⁾ % 8 / 16 8 / 14		5-7	Gradeability - 1 mph (1.6 km/h), with / without load (5)		%	8 /	16		8 /	14	
5-8 Gradeability - max, with / without load ⁽⁵⁾ % 17 / 32 16 / 30 15 / 30			Gradeability - max, with / without load (5)		%	17 /	/ 32	16 /	30	15 /	30
10-7 Sound pressure level at the driver's seat dB (A) 69.6		10-7	Sound pressure level at the driver's seat		dB (A)			69	.6		
10-7-1 Sound power level during the working cycle dB (A) 98.1	1	10-7-1	Sound power level during the working cycle		dB (A)			98	.1		

(1) Centre of drive axle to front face of forks.

(2) Unladen with new tyres.

(3) Bottom of forks.

(4) Full suspension seat in depressed position.

(5) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.

(6) Distance centre truck to centre of internal turning radius.

*Truck models based on 1 pack battery and Standard pin CRG w/o fork positioning. *For J16XD12 with 4 battery packs, add 200kg on front and 170kg on rear. **For J16XD12 with 4 battery packs, add 370kg on service weight.

***Travel speed laden/unladen limited at 25km/h as factory default.

POWERTRAINS

	1-1	Manufacturer					Hyster			
GENERAL	1-2	Model designation		J10XD6, J12XD6	J14XDS6	J13XDS6	J14XD12, J16XDS9, J16XDS12, J16XD6	J12XD12, J18XD6, J16XD9	J13XD6	J14XD6, J10XD12, J16XD12, J18XD9
	1-3	Powertrain / drivetrain					Electric			
	6-1	Drive motor rating S2 60 min	kW				46			
	6-2	Lift motor rating at S3 15%	kW				165			
	6-3	Battery according to DIN 43531/35/36 A, B, C					No			
JR	6-4	Battery voltage/nominal capacity 1 Pack*	V / Ah				363 / 192			
010	6-4-1	Battery voltage/nominal capacity 2 Pack*	V / Ah				363 / 384			
Ň	6-4-2	Battery voltage/nominal capacity 3 Pack	V / Ah		N/A			363 /	/ 576	
ELECTRIC MOTOR	6-4-3	Battery voltage/nominal capacity 4 Pack**	V / Ah			١	I/A			363 / 768
ECT	6-5	Battery weight 1 Pack*	kg	120	00	729	1679	850	14	59
EL	6-5-1	Battery weight 2 Pack*	kg		1237		1712	13	32	1492
	6-5-2	Battery weight 3 Pack	kg		N/A			17	54	
	6-5-3	Battery weight 4 Pack**	kg			١	I/A			2296
	6-6	Energy consumption according to VDI cycle	kWh				-			
	1.1	Manufacturer					Hyster			
							nystor			
GENERAL	1.2	Model designation			J10XD6, J12	XD6	11,000	J16-18	D6, J13-16XD(S)6, IXD9, J16XDS9, KD12, J16XDS12	,
GENERAL	1.2	Model designation Powertrain / drivetrain			J10XD6, J12	XD6	Electric	J16-18	XD9, J16XDS9,	,
GENERAL		-	Туре		J10XD6, J12	XD6		J16-18	XD9, J16XDS9,	
	1-3	Powertrain / drivetrain	Туре		J10XD6, J12	XD6		J16-18	XD9, J16XDS9,	,
	1-3 8-0	Powertrain / drivetrain Drive control / transmission			J10XD6, J12	XD6	Electric	J16-18	XD9, J16XDS9,	,
	1-3 8-0 8-1	Powertrain / drivetrain Drive control / transmission Type of drive unit	Туре		J10XD6, J12	XD6	Electric	J16-18	XD9, J16XDS9,	,
	1-3 8-0 8-1 8-2 8-2-1 8-4	Powertrain / drivetrain Drive control / transmission Type of drive unit Transmission manufacturer / type	Type Type		J10XD6, J12 Kessler / [Electric	J16-18 J10-16>	XD9, J16XDS9,	
DRIVETRAIN GENERAL	1-3 8-0 8-1 8-2 8-2-1	Powertrain / drivetrain Drive control / transmission Type of drive unit Transmission manufacturer / type Transmission speeds forward / backward	Type Type #			261	Electric	J16-18 J10-162	IXD9, J16XDS9, KD12, J16XDS12	
	1-3 8-0 8-1 8-2 8-2-1 8-4	Powertrain / drivetrain Drive control / transmission Type of drive unit Transmission manufacturer / type Transmission speeds forward / backward Wheel drive / drive axle manufacturer / type	Type Type # Type			D61 Qil-	Electric AC Electric	J16-18 J10-16) Ke: disc	IXD9, J16XDS9, KD12, J16XDS12	
	1-3 8-0 8-1 8-2 8-2-1 8-4 8-4 8-11 8-12 10-1	Powertrain / drivetrain Drive control / transmission Type of drive unit Transmission manufacturer / type Transmission speeds forward / backward Wheel drive / drive axle manufacturer / type Service brake	Type Type # Type Type			D61 Qil-	Electric AC Electric - - immersed / wet	J16-18 J10-16) Ke: disc	IXD9, J16XDS9, KD12, J16XDS12	,
DRIVETRAIN	1-3 8-0 8-1 8-2 8-2-1 8-4 8-4 8-11 8-12 10-1 10-2	Powertrain / drivetrain Drive control / transmission Type of drive unit Transmission manufacturer / type Transmission speeds forward / backward Wheel drive / drive axle manufacturer / type Service brake Parking brake	Type Type # Type Type Type			D61 Qil-	Electric - - - - - - - - - - - - - - - - - - -	J16-18 J10-16) Ke: disc	IXD9, J16XDS9, KD12, J16XDS12	
DRIVETRAIN	1-3 8-0 8-1 8-2 8-2-1 8-4 8-11 8-12 10-1 10-2 10-3	Powertrain / drivetrain Drive control / transmission Type of drive unit Transmission manufacturer / type Transmission speeds forward / backward Wheel drive / drive axle manufacturer / type Service brake Parking brake Operating pressure for attachments	Type Type # Type Type Type MPa			D61 Qil-	Electric - AC Electric - - immersed / wet y disc on drive a 19.5	J16-18 J10-16) Ke: disc	IXD9, J16XDS9, KD12, J16XDS12	
	1-3 8-0 8-1 8-2 8-2-1 8-4 8-4 8-11 8-12 10-1 10-2	Powertrain / drivetrain Drive control / transmission Type of drive unit Transmission manufacturer / type Transmission speeds forward / backward Wheel drive / drive axle manufacturer / type Service brake Parking brake Operating pressure for attachments Oil volume for attachments	Type Type # Type Type Type MPa			D61 Oil- Dr	Electric - - - - - y disc on drive a 19.5 100	J16-18 J10-163 Kes disc axle	IXD9, J16XDS9, KD12, J16XDS12	

*Battery slabs included if necessary.

**Only available on J16XD12.

NOTES:

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.

All capacities are according to EN1459.

All specifications and capacities are valid for trucks equipped with standard forks.

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.

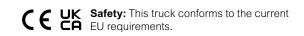
Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

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 Technical Guide. 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.



MAST AND CAPACITY INFORMATION

10-12T NOMINAL CAPACITY KG @ 600MM LOAD CENTRE

	Lift height	Lowered	Extended	Standard pin ty	pe carriage (kg)	Sideshift pin ty	pe carriage (kg)	QD DFSSFP c	arriage (kg)*
	TOF h₃+s (mm)	Height h1 (mm)	Height h4 (mm)	J10XD6	J12XD6	J10XD6	J12XD6	J10XD6	J12XD6
	2750	3010	4347	10,500	12,500	10,400	12,400	10,200	12,200
	3000	3135	4597	10,500	12,500	10,400	12,400	10,200	12,200
	3250	3260	4847	10,500	12,500	10,400	12,400	10,200	12,200
	3500	3385	5097	10,500	12,500	10,400	12,400	10,200	12,200
	3750	3510	5347	10,500	12,500	10,400	12,400	10,200	12,200
	4000	3635	5597	10,500	12,500	10,400	12,400	10,200	12,200
STAGE NFL	4500	3885	6097	10,500	12,500	10,400	12,400	10,200	12,200
	4750	4010	6347	10,500	12,500	10,400	12,400	10,200	12,200
2	5000	4135	6597	10,500	12,500	10,400	12,400	10,200	12,200
	5500	4385	7097	10,340	12,330	10,230	12,240	10,040	12,010
	6000	4635	7597	10,150	12,150	10,030	12,040		
	6250	4760	7847	10,040	12,040	9930	11,930	Capacity wil	l vary based
	6500	4885	8097	9940	11,930	9820	11,820	on side sh	ift and tilt
	7000	5135	8597	9710	11,690	9600	11,580		

Capacity calculated with 1220mm forks.

*DFSSFP QD carriage has 455mm sideshift. Smaller derate applicable with less backtilt.

Note: addition of header hoses will add 16.5mm to OLH (h1) and OEH (h4).

10-12T NOMINAL CAPACITY KG @ 600MM LOAD CENTRE WITH PIN TYPE CARRIAGE WITH SIDESHIFT

	Lift height	Lowered	Extended	Standard pin ty	pe carriage (kg)
	TOF h₃+s (mm)	Height h1 (mm)	Height h4 (mm)	J10XD6	J12XD6
	5500	3012	6880	9,410	11,300
STAGE NFL	6000	3178	7380	9,250	11,130
	6500	3345	7880	9,050	10,920
3	7000	3511	8380	8,810	10,670

Capacity calculated with 1220mm forks.

13-16T NOMINAL CAPACITY IN KG @ 600MM LOAD CENTRE / 10-12T NOMINAL CAPACITY IN KG @ 1200MM LOAD CENTRE WITH STANDARD PIN TYPE CARRIAGE

	Lift height	Lowered	Overall Extended			Standa	rd pin type carria	ige (kg)		
	TOF h3+s (mm)	Height h1 (mm)	Height h4 (mm)	J13XDS6	J14XDS6	J13XD6	J14XD6	J16XD6	J10XD12	J12XD12
	2750	3068	4398	13,500	14,500	13,500	14,500	16,500	10,500	12,500
	3000	3193	4648	13,500	14,500	13,500	14,500	16,500	10,500	12,500
	3250	3318	4898	13,500	14,500	13,500	14,500	16,500	10,500	12,500
	3500	3443	5148	13,500	14,500	13,500	14,500	16,500	10,500	12,500
	3750	3568	5398	13,500	14,500	13,500	14,500	16,500	10,500	12,500
ш	4000	3693	5648	13,500	14,500	13,500	14,500	16,500	10,500	12,500
STAGE NFL	4500	3943	6148	13,500	14,500	13,500	14,500	16,500	10,500	12,500
	4750	4068	6398	13,500	14,500	13,500	14,500	16,500	10,500	12,500
2	5000	4193	6648	13,500	14,500	13,500	14,500	16,500	10,500	12,500
	5500	4443	7148	13,340	14,340	13,340	14,330	16,320	10,350	12,360
	6000	4693	7648	13,140	14,170	13,120	14,150	16,130	10,190	12,220
	6250	4818	7898	13,030	14,070	13,010	14,060	16,020	10,110	12,150
	6500	4943	8148	12,920	13,980	12,890	13,960	15,900	10,020	12,070
	7000	5193	8648	12,670	13,780	12,640	13,750	15,620	9,830	11,900

Capacity calculated with 1830mm forks for 600mm LC models and 2440 mm forks for 1200mm LC models.

Capacity calculated with bias tyres, radial tyres will give a higher derate for DFSSFP carriage above 5000mm LH.

Note: addition of header hoses will add 16.5mm to OLH (h1) and OEH (h4).

MAST AND CAPACITY INFORMATION

13-16T NOMINAL CAPACITY IN KG @ 600MM LOAD CENTRE / 10-12T NOMINAL CAPACITY IN KG @ 1200MM LOAD CENTRE WITH PIN TYPE CARRIAGE WITH SIDESHIFT

	Lift height	Lowered	Extended			Standa	rd pin type carria	ige (kg)		
	TOF h3+s (mm)	Height h1 (mm)	Height h4 (mm)	J13XDS6	J14XDS6	J13XD6	J14XD6	J16XD6	J10XD12	J12XD12
	2750	3068	4398	13,400	14,500	13,400	14,500	16,400	10,400	12,400
	3000	3193	4648	13,400	14,500	13,400	14,500	16,400	10,400	12,400
	3250	3318	4898	13,400	14,500	13,400	14,500	16,400	10,400	12,400
	3500	3443	5148	13,400	14,500	13,400	14,500	16,400	10,400	12,400
	3750	3568	5398	13,400	14,500	13,400	14,500	16,400	10,400	12,400
	4000	3693	5648	13,400	14,500	13,400	14,500	16,400	10,400	12,400
STAGE NFL	4500	3943	6148	13,400	14,500	13,400	14,500	16,400	10,400	12,400
	4750	4068	6398	13,400	14,500	13,400	14,500	16,400	10,400	12,400
2	5000	4193	6648	13,400	14,500	13,400	14,500	16,400	10,400	12,400
	5500	4443	7148	13,180	14,340	13,180	14,330	16,220	10,230	12,360
	6000	4693	7648	12,980	14,170	12,960	14,150	15,990	10,080	12,220
	6250	4818	7898	12,870	14,070	12,850	14,060	15,860	9,990	12,150
	6500	4943	8148	12,760	13,980	12,740	13,960	15,740	9,910	12,050
	7000	5193	8648	12,520	13,780	12,480	13,750	15,470	9,720	11,850

Capacity calculated with 1830mm forks for 600 mm LC models and 2440mm forks for 1200mm LC models.

Capacity calculated with bias tyres, radial tyres will give a higher derate for DFSSFP carriage above 5000mm LH.

Note: addition of header hoses will add 16.5mm to OLH (h1) and OEH (h4).

13-16T NOMINAL CAPACITY IN KG @ 600MM LOAD CENTRE/ 10-12T NOMINAL CAPACITY IN KG @ 1200MM LOAD CENTRE WITH QUICK DISCONNECT CARRIAGE

	Lift height	Lowered	Extended			Standa	rd pin type carria	ige (kg)			
	TOF h3+s (mm)	Height h1 (mm)	Height h4 (mm)	J13XDS6	J14XDS6	J13XD6	J14XD6	J16XD6	J10XD12	J12XD12	
	2750	3068	4398	13,100	14,400	13,100	14,400	16,100	10,200	12,000	
	3000	3193	4648	13,100	14,400	13,100	14,400	16,100	10,200	12,000	
	3250	3318	4898	13,100	14,400	13,100	14,400	16,100	10,200	12,000	
	3500	3443	5148	13,100	14,400	13,100	14,400	16,100	10,200	12,000	
	3750	3568	5398	13,100	14,400	13,100	14,400	16,100	10,200	12,000	
	4000	3693	5648	13,100	14,400	13,100	14,400	16,100	10,200	12,000	
STAGE NFL	4500	3943	6148	13,100	14,400	13,100	14,400	16,100	10,200	12,000	
ST	4750	4068	6398	13,100	14,400	13,100	14,400	16,100	10,200	12,000	
2	5000	4193	6648	13,100	14,400	13,100	14,400	16,100	10,200	12,000	
	5500	4443	7148	12,860	13,100	12,890	14,050	14,520	10,080	12,000	
	6000	4693	7648								
	6250	4818	7898			Canaaituwii	Lunny based on side	abifs and till			
	6500	4943	8148	Capacity will vary based on side shift and tilt							
	7000	5193	8648								

Capacity calculated with 1830mm forks for 600 mm LC models and 2440mm forks for 1200mm LC models.

*DFSSFP QD carriage has 480mm sideshift. Smaller derate applicable with less backtilt.

Capacity calculated with bias tyres, radial tyres will give a higher derate for DFSSFP carriage above 5000mm LH.

Note: addition of header hoses will add 16.5mm to OLH (h1) and OEH (h4).

13-16T NOMINAL CAPACITY IN KG @ 600MM LOAD CENTRE / 10-12T NOMINAL CAPACITY IN KG @ 1200MM LOAD CENTRE WITH PIN TYPE CARRIAGE WITH SIDESHIFT

	Lift height	Lowered	Extended			Standa	rd pin type carria	ige (kg)		
	TOF h3+s (mm)	Height h1 (mm)	Height h4 (mm)	J13XDS6	J14XDS6	J13XD6	J14XD6	J16XD6	J10XD12	J12XD12
ш	4500	3103	6180	12,010	12,900	12,010	12,900	14,720	9,410	11,440
STAGI NFL	5000	3269	6680	11,960	12,840	11,960	12,840	14,670	9,370	11,400
NI ST	6000	3602	7680	11,590	12,470	11,580	12,460	14,260	9,090	11,090
2	7000	3935	8680	11,130	11,990	11,000	11,970	13,750	8,730	10,700

Capacity calculated with 1830mm forks.

MAST AND CAPACITY INFORMATION

16-18T NOMINAL CAPACITY IN KG @ 600MM / @ 900MM / @ 1200MM LOAD CENTRE WITH STANDARD PIN TYPE CARRIAGE

	Lift height	Lowered	Extended			Standa	rd pin type carria	ige (kg)		
	TOF h3+s (mm)	Height h1 (mm)	Height h4 (mm)	J14XD12	J16XDS9	J16XDS12	J18XD6	J16XD9	J16XD12	J18XD9
ш	3984	3703	5645	14,500	16,400	16,000	18,200	16,400	16,000	18,200
STAGI NFL	4594	4008	6255	14,500	16,400	16,000	18,200	16,400	16,000	18,200
	5406	4414	7067	14,500	16,400	16,000	18,200	16,400	16,000	18,200
2	6219	4821	7880	14,260	16,120	16,000	17,870	16,100	16,000	17,820

Capacity calculated with 2440mm forks.

Capacity calculated with bias tyres, radial tyres will give a higher derate for DFSSFP carriage above 5000mm LH.

Note: addition of header hoses will add 16.5mm to OLH (h1) and OEH (h4).

Load limited to 16T@1200 due to fork moment limit.

16-18T NOMINAL CAPACITY IN KG @ 600MM / @ 900MM / @ 1200MM LOAD CENTRE WITH PIN TYPE CARRIAGE WITH SIDESHIFT

	Lift height	Lowered	Extended			Standa	rd pin type carria	ige (kg)		
	TOF h3+s (mm)	Height h1 (mm)	Height h4 (mm)	J14XD12	J16XDS9	J16XDS12	J18XD6	J16XD9	J16XD12	J18XD9
ш	3984	3703	5645	14,500	16,000	16,000	18,000	16,000	16,000	17,450
STAGI NFL	4594	4008	6255	14,500	16,000	16,000	18,000	16,000	16,000	17,450
	5406	4414	7067	14,500	16,000	16,000	18,000	16,000	16,000	17,450
2	6219	4821	7880	14,200	15,900	15,940	17,870	15,890	15,890	17,120

Capacity calculated with 2440mm forks.

Capacity calculated with bias tyres, radial tyres will give a higher derate for DFSSFP carriage above 5000mm LH.

Note: addition of header hoses will add 16.5mm to OLH (h1) and OEH (h4).

Load limited to 16T@1200 due to fork moment limit.

16-18T NOMINAL CAPACITY IN KG @ 900MM LOAD CENTRE / @ 1200MM LOAD CENTRE WITH QUICK DISCONNECT CARRIAGE

	Lift height	Lowered	Extended			QD D	FSSFP carriage	(kg)*		
	TOF h3+s (mm)	Height h1 (mm)	Height h4 (mm)	J14XD12	J16XDS9	J16XDS12	J18XD6	J16XD9	J16XD12	J18XD9
	3984	3703	5645	14,000	16,000	16,000	18,000	16,000	16,000	17,200
STAGE NFL	4594	4008	6255	14,000	16,000	16,000	18,000	16,000	16,000	17,200
	5406	4414	7067	14,000	15,690	15,150	16,190	15,780	15,340	16,020
2	6219	4821	7880			Capacity will	l vary based on side	shift and tilt		

Capacity calculated with 2440mm forks.

*DFSSFP QD carriage has 468 mm sideshift. Smaller derate applicable with less backtilt.

Capacity calculated with bias tyres, radial tyres will give a higher derate for DFSSFP carriage above 5000mm LH.

Note: addition of header hoses will add 16.5mm to OLH (h1) and OEH (h4).

Load limited to 16T@1200 due to fork moment limit

16-18T NOMINAL CAPACITY IN KG @ 900MM LOAD CENTRE / @ 1200MM LOAD CENTRE WITH QUICK DISCONNECT CARRIAGE

	Lift height	Lowered	Extended			QD D	FSSFP carriage	(kg)*		
	TOF h3+s (mm)	Height h1 (mm)	Height h4 (mm)	J14XD12	J16XDS9	J16XDS12	J18XD6	J16XD9	J16XD12	J18XD9
ш	3984	3703	5645	14,500	16,000	16,000	18,000	16,000	16,000	18,000
STAGE NFL	4594	4008	6255	14,500	16,000	16,000	18,000	16,000	16,000	18,000
N ST	5406	4414	7067	14,500	15,820	15,300	16,300	15,940	15,510	16,170
2	6219	4821	7880			Capacity wil	l vary based on side	shift and tilt		

Capacity calculated with 2440mm forks.

*DFSSFP QD carriage has 468mm sideshift. Smaller derate applicable with less backtilt.

Capacity calculated with bias tyres, radial tyres will give a higher derate for DFSSFP carriage above 5000mm LH.

Note: addition of header hoses will add 16.5mm to OLH (h1) and OEH (h4).

Load limited to 16T@1200 due to fork moment limit

PERFORMANCE	STD	OPT
Integrated high voltage (350V) Li-Ion battery	х	
Drive Motor 108kW Peak	х	
Lift Motor 166kW Peak	х	
111cc Dual pump hydraulic system	Х	
1 battery pack		х
2 battery packs	X	
3 battery packs		х
4 battery packs*		х
Combined Charging System 1 (CCS1)		x
Combined Charging System 2 (CCS2)	X	
Performance levels Kessler drive axle with wet brakes	X	
	x STD	OPT
DRIVE Fravel Speed Limiter - unconditional and customer adjustable	עופ	OPT
Fravel Speed Limiter - based on load weight (adjustable)		X
10.00 - 20 20PR Trelleborg Pneumatic Bias Ply drive and steer tyres	х	
10.00 - R20 Michelin XZM Radial drive and steer tyres	X	x
10.00 - R20 Trelleborg Radial drive and steer tyres		x
10.00 - 20 Pneumatic Shaped Solid drive and steer tyres		x
Spare wheels and tyres		x
LIFT	STD	× OPT
Dn-Demand Load Sensing Hydraulic System	X	
2 Stage Non Free Lift mast	x	
Mast tilt - 5° forward / 6° back	X	
Mast tilt indicator - mechanical	^	x
Hydraulic Accumulator		x
Pressure compensated lowering	x	^
Hydraulic System Temperature Protection	^	x
HANDLING	STD	OPT
Hyster 586TB single spreader, with removable blocks for ISO or wide		
containers		х
Hyster Model 588TB single spreader	x	
CANBus spreader controls	х	
Mechanical Pile Slope	x	
+/- 15/7" (400mm) sideshift	х	
	× STD	OPT
ERGONOMICS		OPT
ERGONOMICS Enclosed operator cabin	STD	OPT
ERGONOMICS Enclosed operator cabin Manual tilt operator compartment for service	STD x	OPT x
ERGONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service	STD x	
ERCONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service Isolated cabin mounting for low noise and vibration Operator presence system	STD X X	
ERCONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service Isolated cabin mounting for low noise and vibration Operator presence system	STD X X X	
ERCONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat	STD x x x x x x	
ERCONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat Air suspension seat	STD x x x x x x	x
ERCONOMICS Enclosed operator cabin Vanual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Operator presence system Vechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat	STD x x x x x x	x
ERCONOMICS Enclosed operator cabin Vanual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat High backrest seat	STD x x x x x x	x
ERCONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service Isolated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat High backrest seat Additional armrest on left side	STD x x x x x x x x x	x x x
ERCONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service Isolated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat High backrest seat Additional armrest on left side Cloth seat cover	STD X X X X X X	x x x
ERCONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service Isolated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat High backrest seat Additional armrest on left side Cloth seat cover Vinyl seat cover	STD x x x x x x x x x	x x x
ERCONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service Isolated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat High backrest seat Additional armrest on left side Cloth seat cover Vinyl seat cover Seat heating	STD x x x x x x x x x	x x x x
ERGONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Operator presence system Vechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat digh backrest seat diditional armrest on left side Cloth seat cover Vinyl seat cover Seat heating Seat ventilation	STD X X X X X X X X	x x x x x
ERGONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Operator presence system Vechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat digh backrest seat diditional armrest on left side Cloth seat cover Vinyl seat cover Seat heating Seat ventilation 2-point high visibility seatbelt	STD x x x x x x x x x	x x x x x x x
ERGONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Operator presence system Vechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat digh backrest seat digh backrest seat Additional armrest on left side Cloth seat cover Seat heating Seat ventilation 2-point high visibility seatbelt 8-point high visibility seatbelt	STD X X X X X X X X	x x x x x x x x x x x x x x
ERCONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Operator presence system Wechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat Additional armrest on left side Cloth seat cover Seat heating Seat ventilation 2-point high visibility seatbelt B-point high visibility seatbelt Lateral seat sliding mechanism	STD X X X X X X X X	x x x x x x x x x x x
RCONDMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Operator presence system Vechanical suspension seat Nir suspension seat Deluxe air suspension seat Job backrest seat Vight backrest seat Vight backrest seat Oldtional armest on left side Oloth seat cover Viryl seat cover Seat teating Seat ventilation Popoint high visibility seatbelt Acteral seat sliding mechanism Poor mat	STD X X X X X X X X X X	x x x x x x x x x x x x x x
ERGONOMICS Enclosed operator compartment for service Powered tilt operator compartment for service Solated cabin mounting for low noise and vibration Operator presence system Vechanical suspension seat Nir suspension seat Deluxe air suspension seat Jigh backrest seat Viditional armrest on left side Oloth seat cover Vinyl seat cover Seat ventilation Periont high visibility seatbelt Lateral seat sliding mechanism Hoor mat Coot hook	STD X X X X X X X X X X X X	x x x x x x x x x x x x x x
ERCONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Deprator presence system Mechanical suspension seat Air suspension seat Deluxe air suspension seat Deluxe air suspension seat Deluxe air suspension seat Deluxe air suspension seat Cow backrest seat High backrest seat Additional armrest on left side Cloth seat cover Seat heating Seat ventilation 2-point high visibility seatbelt a-teral seat sliding mechanism Floor mat Coat hook Front, top and rear wipers with individual controlled washers	STD X X X X X X X X X X	X X X X X X X X X X X
ERGONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat Nir suspension seat Vir suspension seat Jouxe air suspension seat Joure air suspension Joure air suspension Joure air suspenseat Joure air suspe	STD X X X X X X X X X X X X X	x x x x x x x x x x x x x x
ERCONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Deprator presence system Mechanical suspension seat Air suspension seat Deluxe air suspension seat Deluxe air suspension seat Deluxe air suspension seat Cow backrest seat High backrest seat Additional armrest on left side Cloth seat cover Seat wentilation Deprint high visibility seatbelt Deluth igh visibility seatbelt Deluth igh visibility seatbelt Delor mat Coat hook Front, top and rear wipers with individual controlled washers H"-pattern front wiper (Enclosed operator cabin) I"-pattern front wiper (Enclosed operator cabin)	STD x x x x x x x x x x x x x	X X X X X X X X X X X
ERCONOMICS Enclosed operator cabin Vanual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Deprator presence system Wechanical suspension seat Air suspension seat Deluxe air suspension seat Deluxe air suspension seat Deluxe air suspension seat Cow backrest seat High backrest seat Additional armrest on left side Cloth seat cover Vinyl seat cover Seat heating Seat ventilation 2-point high visibility seatbelt ateral seat sliding mechanism Floor mat Coat hook Front, top and rear wipers with individual controlled washers H"-pattern front wiper (Enclosed operator cabin) I"-pattern front wiper (Enclosed operator cabin) I"-pattern front wipers	STD x x x x x x x x x x x x x	X X X X X X X X X X X
ERCONOMICS Enclosed operator cabin Vanual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Deprator presence system Wechanical suspension seat Air suspension seat Deluxe air suspension seat Deluxe air suspension seat Cow backrest seat High backrest seat Additional armrest on left side Cloth seat cover Seat heating Seat ventilation 2-point high visibility seatbelt 3-point high visibility seatbelt 2-point high visibility seatbelt 2-point high visibility seatbelt 2-point high visibility seatbelt 2-point high visibility seatbelt 3-point high visibility seatbelt 4-point high	STD x x x x x x x x x x x x x	
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ERCONOMICS Enclosed operator cabin Vanual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Deprator presence system Wechanical suspension seat Air suspension seat Deluxe air suspension seat Deluxe air suspension seat Cow backrest seat High backrest seat Additional armrest on left side Cloth seat cover Vinyl seat cover Seat heating Seat ventilation 2-point high visibility seatbelt Cloth seat seat sliding mechanism Hoor mat Coat hook Front, top and rear wipers with individual controlled washers H"-pattern front wiper (Enclosed operator cabin) It"-pattern front wiper (Enclosed operator cabin) ntermittent wipers Fop window with armoured glass (Enclosed operator cabin) Steel bars under amoured glass top window (enclosed operator cabin)	STD x x x x x x x x x x x x x	
ERGONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service Solated cabin mounting for low noise and vibration Operator presence system Wechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat Glidb backrest seat Glidb backrest seat Glidb backrest seat Cloth seat cover Vinyl seat cover Seat heating Seat ventilation 2-point high visibility seatbelt 3-point high visibility seatbelt 3-point high visibility seatbelt Cloth mat Coat hook Front, top and rear wipers with individual controlled washers H"-pattern front wiper (Enclosed operator cabin) H"-pattern front wiper (Enclosed operator cabin) Eteel bars under amoured glass (Enclosed operator cabin) Finted operator compartment top window Cloth Cloth seat cover Cloth	STD x x x x x x x x x x x x x	
ERCONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service Isolated cabin mounting for low noise and vibration Deprator presence system Wechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat High backrest seat Additional armrest on left side Cloth seat cover Vinyl seat cover Seat heating Seat ventilation 2-point high visibility seatbelt 3-point high visibility seatbelt 3-point high visibility seatbelt Cloth met Cloth operator cabin) Front, top and rear wipers with individual controlled washers H"-pattern front wiper (Enclosed operator cabin) I"-pattern front wiper (Enclosed operator cabin) Steel bars under amoured glass (Enclosed operator cabin) Finted operator compartment top window Right side door	STD x x x x x x x x x x x x x	
ERGONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Dperator presence system Wechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat High backrest seat Additional armest on left side Cloth seat cover Seat heating Seat ventilation 2-point high visibility seatbelt 3-point wiper (Enclosed operator cabin) I"-pattern front wiper (Enclosed operator cabin) Stel bars under amoured glass (Enclosed operator cabin) Finted operator compartment top window Right side door Wire mesh installed on top of operator compartment	STD x x x x x x x x x x x x x	
ERGONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Deprator presence system Wechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat Low backrest seat Ligh backrest seat Ligh backrest seat Cloth seat cover Seat heating Seat ventilation Poport high visibility seatbelt Lateral seat sliding mechanism Loor mat Coat hook Front, top and rear wipers with individual controlled washers H"-pattern front wiper (Enclosed operator cabin) It"-pattern front wiper (Enclosed operator cabin) Elev window with armoured glass (Enclosed operator cabin) Finted operator compartment top window Right side door Wire mesh installed on top of operator compartment T" Integrated performance display	STD x x x x x x x x x x x x x	
ERCONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service solated cabin mounting for low noise and vibration Deprator presence system Wechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat High backrest seat Additional armest on left side Cloth seat cover Seat heating Seat ventilation Poport high visibility seatbelt Lateral seat sliding mechanism Hoor mat Coat hook Front, top and rear wipers with individual controlled washers H*-pattern front wiper (Enclosed operator cabin) I*-pattern front wiper (Enclosed operator cabin) Stel bars under amoured glass top window (enclosed operator cabin) Finted operator compartment top window Right side door Wire mesh installed on top of operator compartment F* Integrated performance display Ioystick hydraulic control integrated in control arm	STD x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x
 +/- 15/7" (400mm) sideshift ERCONOMICS Enclosed operator cabin Manual tilt operator compartment for service Powered tilt operator compartment for service Isolated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat Air suspension seat Deluxe air suspension seat Low backrest seat High backrest seat Additional armrest on left side Cloth seat cover Vinyl seat cover Seat heating Seat ventilation 2-point high visibility seatbelt Cast hook Front, top and rear wipers with individual controlled washers 'H'-pattern front wiper (Enclosed operator cabin) 'I'-pattern front wiper (Enclosed operator cabin) Tinted operator compartment top window (enclosed operator cabin) Tinted operator compartment top window Right side door Wire mesh installed on top of operator capartment 7" Integrated performance display Joystick hydraulic control integrated in control arm Steering wheel with spinner knob Directional control lever on steering column 	STD x x x x x x x x x x x x x	

Directional control on joystick Park brake - automatically applied

STANDARD EQUIPMENT AND OPTIONS

ERGONOMICS (CONTINUED)	STD	ΟΡΤ
Heater with adjustable speed fan (enclosed operator cabin)	X	
Telescoping and tilting steering column	x	
USB outlet inside armrest	x	
24-12 DC converter with 1 sockets and 2 USB outlets		х
24-12 DC converter with 2 sockets and 2 USB outlets		х
DC/DC converter 24 volt/12 volt 2nd 12 volt socket		х
Automatic climate control		x
Reading light		X
Sun shades on top and rear Sun visors front window		x
Trainer seat		x
Recirculation fan		x
Accessory mounting bracket on cab front right pillar		x
Heated top- and/or rear window		х
Radio preparation set-up (wiring, two speakers and antenna)		x
Bluetooth radio with 2 speakers and antenna		х
VISIBILITY	STD	OPT
Interior wide angle mirrors	Х	
Exterior mirrors mounted to cab Rear view camera system		x
Rear view camera system Radar object detection system		x
LED work lights	x	^
High Performance LED work lights		x
Two head lights mounted on front fenders	х	
Four forward work lights mounted on the cabin	х	
Two rearward work lights mounted on the cabin	x	
LED twistlock indicator lights	х	
LED stop/tail/brake lights	х	
Turn signals, hazard and marker lights (LED)	X	0.07
OPERATION Air horn 112 dBA	STD	OPT ×
Electric horn 105 dBA	x	x
Visible alarm - Amber strobe light, ignition activated	x	
Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting		х
Audible alarm – reverse direction white noise		х
Blue LED spotlight – rear / front and rear		х
Hydraulic load weighing system		x
Tire pressure monitoring system		х
Air-conditioning or automatic climate control off with open door		X
Lockable battery disconnect switch Battery jump start connector (NATO plug)		x
Truck Start with key switch and start button	x	^
Operator password (display) for truck start		x
Seatbelt interlock for truck start		х
Seatbelt interlock on sequence for truck start		х
Fuses Below 30 amps Replaced by Electric Circuit Breakers		х
Hyster Tracker Wireless Monitoring (Level 1)	x	х
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2)	x	x
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3)	x	x x
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3) Auto greasing system for basic truck and outer mast		x
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3) Auto greasing system for basic truck and outer mast 24 volt electrical system	x	X X X
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3) Auto greasing system for basic truck and outer mast 24 volt electrical system Steer wheel lug nut protection		x x x x
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3) Auto greasing system for basic truck and outer mast 24 volt electrical system		X X X
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3) Auto greasing system for basic truck and outer mast 24 volt electrical system Steer wheel lug nut protection Front mud flaps		x x x x x
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3) Auto greasing system for basic truck and outer mast 24 volt electrical system Steer wheel lug nut protection Front mud flaps Rear mud flaps		x x x x x x x x x
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3) Auto greasing system for basic truck and outer mast 24 volt electrical system Steer wheel lug nut protection Front mud flaps Rear mud flaps Lifting eyes - 2 front and 2 rear APPEARANCE Hyster yellow paint base truck	x	x x x x x x x x x x x
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3) Auto greasing system for basic truck and outer mast 24 volt electrical system Steer wheel lug nut protection Front mud flaps Rear mud flaps Lifting eyes - 2 front and 2 rear APPEARANCE Hyster yellow paint base truck Special paint base truck	x	x x x x x x x x x x oPT
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3) Auto greasing system for basic truck and outer mast 24 volt electrical system Steer wheel lug nut protection Front mud flaps Rear mud flaps Lifting eyes - 2 front and 2 rear APPEARANCE Hyster yellow paint base truck Special paint base truck Operator compartment special paint	x	X X X X X X X X OPT
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3) Auto greasing system for basic truck and outer mast 24 volt electrical system Steer wheel lug nut protection Front mud flaps Rear mud flaps Lifting eyes - 2 front and 2 rear APPEARANCE Hyster yellow paint base truck Special paint base truck Operator compartment special paint Hazard warning striping on counterweight	x STD x	x x x x x x x x x x 0PT
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3) Auto greasing system for basic truck and outer mast 24 volt electrical system Steer wheel lug nut protection Front mud flaps Rear mud flaps Lifting eyes - 2 front and 2 rear APPEARANCE Hyster yellow paint base truck Special paint base truck Operator compartment special paint Hazard warning striping on counterweight SUPPLEMENTAL	X STD X STD	X X X X X X X X OPT
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3) Auto greasing system for basic truck and outer mast 24 volt electrical system Steer wheel lug nut protection Front mud flaps Rear mud flaps Lifting eyes - 2 front and 2 rear APPEARANCE Hyster yellow paint base truck Special paint base truck Operator compartment special paint Hazard warning striping on counterweight SUPPLEMENTAL Liferature package	X STD X STD X	x x x x x x x x x x 0PT
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3) Auto greasing system for basic truck and outer mast 24 volt electrical system Steer wheel lug nut protection Front mud flaps Rear mud flaps Lifting eyes - 2 front and 2 rear APPEARANCE Hyster yellow paint base truck Special paint base truck Operator compartment special paint Hazard warning striping on counterweight SUPPLEMENTAL	X STD X STD	x x x x x x x x x x 0PT
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3) Auto greasing system for basic truck and outer mast 24 volt electrical system Steer wheel lug nut protection Front mud flaps Rear mud flaps Lifting eyes - 2 front and 2 rear APPEARANCE Hyster yellow paint base truck Operator compartment special paint Hazard warning striping on counterweight SUPPLEMENTAL Liferature package Operator's manual	X STD X STD X X	x x x x x x x x x x x x x x x x x x x
Hyster Tracker Wireless Monitoring (Level 1) Hyster Tracker Wireless Access (Level 2) Hyster Tracker Wireless Verification (Level 3) Auto greasing system for basic truck and outer mast 24 volt electrical system Steer wheel lug nut protection Front mud flaps Rear mud flaps Lifting eyes - 2 front and 2 rear APPEARANCE Hyster yellow paint base truck Special paint base truck Operator compartment special paint Hazard warning striping on counterweight SUPPLEMENTAL Literature package Operator's manual CE certification	X STD X STD X X	x x x x x x x x x x x x x x x x x x x

*Only available on J16XD12.

x x **Please see full Warranty Statement for additional details.

STANDARD EQUIPMENT AND OPTIONS

J10XD6 / J12XD6		
PERFORMANCE	STD	OPT
10.00 - 20 16PR Pneumatic Bias Ply drive and steer tyres	х	
10.00 - R20 Radial Michelin XZM drive and steer tyres		х
10.00 - R20 Radial Trelleborg drive and steer tyres		х
10.00 - 20 Pneumatic Shaped Solid drive and steer tyres		х
Spare wheels and tyres		x
LIFT	STD	OPT
Four mast mounted work lights		х
2 stage Non Free Lift 9t and 12t mast	x	
2 Stage Full Free Lift 12t mast (can be used on lower capacity models)		x
3 Stage Full Free Lift 12t mast (can be used on lower capacity models)		х
Mast tilt - 5° forward / 6° back		х
Mast tilt - 5° forward / 12° back		х
Mast tilt - 15° forward / 10° back		х
Mast tilt - 15° forward / 12° back	х	
Mast tilt - 20.5° forward / 7° back		х
HANDLING	STD	OPT
2400mm (94.3") Pin type standard carriage	x	
2400mm (94.3*) Pin type carriage with simultaneous and independent fork positioner		x
2400mm (94.3") Pin type integral sideshift carriage		х
2400mm (94.3*) Pin type integral sideshift carriage with simultaneous fork positioner		х
2400mm (94.3*) Pin type integral sideshift carriage with simultaneous and independent fork positioner		x
2400mm (94.5") QD Hook type dual function sideshift carriage with simultaneous and independent fork positioner		х
2400mm (94.4") QD Hook type dual function sideshift carriage with simultaneous fork positioner and 2 auxiliary functions		x
2500mm (98") High load backrest (for lumber applications)		х
1760mm (69") High load backrest		x
2010mm (79") High load backrest		x
Pin type forks (various sizes)		х
Pin type forks for lumber applications		х
Hook type quick disconnect DFSSFP forks (various sizes)		х
Hook type quick disconnect DFSSFP forks (various sizes)		х
2400mm (94.5") QD Hook type dual function sideshift carriage with simultaneous and independent fork positioner 2400mm (94.4") QD Hook type dual function sideshift carriage with simultaneous fork positioner and 2 auxiliary functions 2500mm (98") High load backrest (for lumber applications) 1760mm (69") High load backrest 2010mm (79") High load backrest Pin type forks (various sizes) Pin type forks for lumber applications Hook type quick disconnect DFSSFP forks (various sizes)		X X X X X X X X X

J13XDS6 / J13XD6 / J14XDS6 / J14XD6 / J16XD6 / J10XD12 / J12XD12

х
х
х
х
OPT
х
х
х
х
х
х
х
x DPT x x x x x x x x x

PERFORMANCE	STD	OPT
2400mm (94.3") Pin type standard carriage	х	
2400mm (94.3") Pin type carriage with simultaneous and independent fork positioner		x
2400mm (94.3") Pin type integral sideshift carriage		х
2400mm (94.3") Pin type integral sideshift carriage with simultaneous fork positioner		x
2400mm (94.3") Pin type integral sideshift carriage with simultaneous and independent fork positioner		x
2400mm (94.5"") QD Hook type dual function sideshift carriage with simultaneous and independent fork positioner		x
2400mm (94.4") QD Hook type dual function sideshift carriage with simultaneous fork positioner and 2 auxiliary functions		x
2500mm (98") High load backrest (for lumber applications)		х
1760mm (69") High load backrest		х
2010mm (79") High load backrest		х
Pin type forks (various sizes)		Х
Pin type forks for lumber applications		х
Hook type quick disconnect DFSSFP forks (various sizes)		Х
J14XD12 / J16XDS9 / J16XD9 / J16XDS1	2 /	
J16XD12 / J18XD6 / J18XD9		_
DRIVE	STD	OPT
10.00 - 20 20 Pneumatic Bias Drive tyres	х	
10.00 - R20 Michelin XZM Radial drive and steer tyres		х
LIFT	STD	OPT
Two mast mounted work lights		Х
2 stage Non Free Lift 18T mast	х	
2 Stage Full Free Lift 18T mast		Х
3 Stage Full Free Lift 18T mast		х
		X
Mast tilt - 6° forward / 10° back	x	
Mast tilt - 10.5° forward / 12° back	x	x
Mast tilt - 10.5° forward / 12° back Mast tilt - 15° forward / 10° back		x x
Mast tilt - 10.5° forward / 12° back Mast tilt - 15° forward / 10° back HANDLING	x STD	x x OPT
Mast tilt - 10.5° forward / 12° back Mast tilt - 15° forward / 10° back HANDLING 2540mm (100") Pin type carriage with mechanical fork locks		x x OPT x
Mast tilt - 10.5° forward / 12° back Mast tilt - 15° forward / 10° back HANDLING 2540mm (100") Pin type carriage with mechanical fork locks 2540mm (100") Pin type carriage with individual fork positioner		x x OPT x x
Mast tilt - 10.5° forward / 12° back Mast tilt - 15° forward / 10° back HANDLING 2540mm (100°) Pin type carriage with mechanical fork locks 2540mm (100°) Pin type carriage with individual fork positioner 2540mm (100°) Pin type apron-style sideshift carriage		x x OPT x
Mast tilt - 10.5° forward / 12° back Mast tilt - 15° forward / 10° back HANDLING 2540mm (100°) Pin type carriage with mechanical fork locks 2540mm (100°) Pin type carriage with individual fork positioner 2540mm (100°) Pin type apron-style sideshift carriage 2540mm (100°) Pin type apron-style sideshift carriage with individual fork positioner		x x OPT x x
Mast tilt - 10.5° forward / 12° back Mast tilt - 15° forward / 10° back HANDLING 2540mm (100") Pin type carriage with mechanical fork locks 2540mm (100") Pin type carriage with individual fork positioner 2540mm (100") Pin type apron-style sideshift carriage 2540mm (100") Pin type apron-style sideshift carriage with individual fork positioner 2540mm (100") Dual function sideshift carriage with individual fork positioner with integral forks		x x OPT x x x x
Mast tilt - 10.5° forward / 12° back Mast tilt - 15° forward / 10° back HANDLING 2540mm (100°) Pin type carriage with mechanical fork locks 2540mm (100°) Pin type carriage with individual fork positioner 2540mm (100°) Pin type apron-style sideshift carriage 2540mm (100°) Pin type apron-style sideshift carriage with individual fork positioner 2540mm (100°) Dual function sideshift carriage with individual fork positioner with integral forks 2540mm (100°) Hook type dual function sideshift carriage with individual fork positioner with Quick Disconnect forks	STD	x x OPT x x x x
Mast tilt - 10.5° forward / 12° back Mast tilt - 15° forward / 10° back HANDLING 2540mm (100°) Pin type carriage with mechanical fork locks 2540mm (100°) Pin type apron-style sideshift carriage 2540mm (100°) Pin type apron-style sideshift carriage 2540mm (100°) Pin type apron-style sideshift carriage with individual fork positioner 2540mm (100°) Dual function sideshift carriage with individual fork positioner with integral forks 2540mm (100°) Hook type dual function sideshift carriage with	STD	x x OPT x x x x x
Mast tilt - 10.5° forward / 12° back Mast tilt - 15° forward / 10° back HANDLING 2540mm (100°) Pin type carriage with mechanical fork locks 2540mm (100°) Pin type carriage with individual fork positioner 2540mm (100°) Pin type apron-style sideshift carriage 2540mm (100°) Pin type apron-style sideshift carriage with individual fork positioner 2540mm (100°) Dual function sideshift carriage with individual fork positioner with integral forks 2540mm (100°) Hook type dual function sideshift carriage with individual fork positioner with Quick Disconnect forks Simultaneous fork positioning 2440mm (96°) length pin type forks	STD	x x OPT x x x x x
Mast tilt - 10.5° forward / 12° back Mast tilt - 15° forward / 10° back HANDLING 2540mm (100°) Pin type carriage with mechanical fork locks 2540mm (100°) Pin type carriage with individual fork positioner 2540mm (100°) Pin type apron-style sideshift carriage 2540mm (100°) Pin type apron-style sideshift carriage with individual fork positioner 2540mm (100°) Dual function sideshift carriage with individual fork positioner with integral forks 2540mm (100°) Hook type dual function sideshift carriage with individual fork positioner with Quick Disconnect forks Simultaneous fork positioning	STD	x x OPT x x x x x x x x

ELECTRIC BIG FORKLIFT TRUCK WITH ICE LIKE PERFORMANCE FOR HEAVY-DUTY APPLICATIONS







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