



FOUR-WHEEL ELECTRIC COUNTERBALANCED LIFT TRUCKS

J2.2-3.5XN

J2.2XN, J2.5XN, J3.0XN, J3.5XN ADVANCE

		1, 12.0MH, 10.0MH, 10.0MH ADEAHO		1 1 1 1 1 1	l,				
	1.1	Manufacturer (abbreviation)	НУ	STER	HYS	TER	HYS	TER	
2	1.2	Manufacturer's type designition		J	2.2XN	J2.5X	N-717	J2.5XN-861	
₹		Model		Ad	vance		ance	Adva	
ı ş	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Electri	c (battery)	Electric	(battery)	Electric (battery)	
<u>s</u>	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		S	eated	Sea	ited	Seated	
	1.5	Rated capacity / Rated load	Q (kg)		2200		00	2500	
晉	1.6	Load centre distance	c (mm)		500	50		50	
	1.8	Load distance, centre of drive axle to fork Wheelbase	x (mm)		419		19	41	
	1.9	Wileelbase	y (mm)		1606	10	06	17:	00
60	2.1	Service weight □	ka		1520	45	20	493	30
Ě	2.2	Axle loading, laden front/rear					805	6283	1144
ĕ	2.3	Axle loading, unladen front/rear	kg	5739 2279	977 2236	6211 2279	2236	2469	2458
			_						_
	3.1	Tyres: L = pneumatic, V = cushion, SE = Pneumatic Shape Solid			SE		E	S	
CHASSIS	3.2	Tyre size, front			10 - 12		0 - 12	23 x 1	
18	3.3	Tyre size, rear			x7-8		7 - 8	18 x	
RES/	3.6	Wheels, number front/rear (x = driven wheels) Tread, front *	b ₁₀ (mm)	938	1054	2X 938	1054	2X 938	1054
=	3.7	Tread, rear	b _{,1} (mm)		992		32	99	
			-11.						
	4.1	Tilt of mast/fork carriage forward/backward	α/β(°)	5	5	5	5	5	5
	4.2	Height, mast lowered	h ₁ (mm)		2192	21	92	219	92
	4.3	Free lift ¶	h ₂ (mm)		100		00	10	
	4.4	Lift ¶	h ₃ (mm)		3350		50	33	
	4.5	Height, mast extended +	h ₄ (mm)		3960	39		390	
	4.7.1	Height of overhead guard (cabin) ■ Cab height (open cab)	h ₆ (mm)		2193		93 06	2193	
	4.7.1	Seat height relating to SIP/stand height •	h, (mm)		1070	10		2206 1070	
	4.12	Coupling height	h ₁₀ (mm)		262	26		262	
	4.19	Overall length	I, (mm)	;	3336	33	36	3480	
	4.20	Length to face of forks ♦	I ₂ (mm)	:	2336	23	36	24	80
≅	4.21	Overall width *	b ₁ /b ₂ (mm)	1173	1289	1173	1289	1173	1289
	4.22	Fork dimensions DIN ISO 2331	s/e/I (mm)		100 1000		1000	40 10	
	4.23	Fork carriage ISO 2328, class/type A, B			2A	2		2A 1067	
ш	4.24	Fork carriage width ● Ground clearance, laden, below mast	b ₃ (mm) m, (mm)	1067 83		1067 83		83	
	4.32	Ground clearance, laden, below mast	m, (mm)		137	1;		13	
	4.33	Load dimension b12 × I6 crossways	b ₁₂ × I ₆ (mm)		0 x 1000	1200		1200 x	
	4.34	Aisle width predetermined load dimensions	A _{st} (mm)	:	3613	3613		3750	
	4.34.1	Aisle width for pallets 1000 × 1200 wide ◆	A _{st} (mm)		3613	36	13	3750 3906 2073	
	4.34.2		A _{st} (mm)		3766	37			
		Turning radius	W _a (mm)		1931	19			
	4.36 4.41	Internal turning radius 90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	b ₁₃ (mm) (mm)		173 1981	173 1981		189 2043	
	4.42	Step Height (from ground to running board) *	(mm)		6 / 810	706 / 810		706 / 810	
	4.43	Step Height	(mm)		475	475		475	
200	140		Copies Copies Copies		_				
	5.1	Travel speed, laden / unladen $\ \triangle$	km/h	18.0	18.0	18.0	18.0	18.0	18.0
	5.2	Lift speed, laden / unladen	m/sec	0.40	0.63	0.38	0.63	0.38	0.63
H	5.3 5.5	Lowering speed, laden / unladen Drawbar pull laden / unladen 60 minute rating **	m/sec	0.57	0.5	0.57	0.51	0.57	0.51
a B	5.6	Drawbar pull, laden / unladen, 60 minute rating ** Maximum drawbar pull laden / unladen, 5 minute rating***	N N	5468 18045	5773 19052	5591 18451	5726 18897	5591 18451	5726 18897
O R M	5.7	Gradeability laden / unladen, 30 minute rating **** †	%	10045	19002	9	13	9	13
Ě	5.8	Maximum gradeability laden / unladen *** †	%	26	39	24	35	24	35
	5.9	Acceleration time, laden / unladen 10m \triangle	sec	4.42	4.11	4.45	4.11	4.45	4.11
	5.10	Service brake		Ну	draulic	Hydr	aulic	Hydra	aulic
-	C 1	Daine makes artism C2 C0 mi		Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the	THE STATE OF THE STATE OF				
ij	6.1	Drive motor rating S2 60 min	kW kW		x 10.0		10.0	2 x 1	
ENGINE	6.3	Lift motor rating at S3 15% Battery according to DIN 43531/35/36 A, B, C, no	KVV		16.0 8536A		i.0 36A	16 4353	
을	6.4	Battery voltage/nominal capacity K5	V/Ah	80	560	80	560	80	700
ELECTRIC	6.5	Battery weight (min/max)	kg	1480	1635	1480	1635	1770	1956
	6.6	Energy consumption according to VDI cycle ◆	kWh/h @Nr of Cycles		6.68	7.		7.8	
Sec.	2		THE PROPERTY AND ADDRESS.	Sec.				-	_
	8.1	Drive control		AC e	ectronic	AC ele	ctronic	AC elec	ctronic
ă	10.1	Operating pressure for attachments	bar		155		55	15	
8	10.2	Oil volume for attachments >	l/min		0-40		-40	20-	
I	10.3	Hydraulic oil tank, capacity Sound prospure level at the driver's cost.	dD(A)		29.3 67		7	29	
1	10.7	Sound pressure level at the driver's seat Towing coupling, type DIN	dB(A)		Pin		in	Pi	
1	10.0	Towning Godpling, type Diff					FI		

HYS	TER	HYS	TER	1.1	
.13	DXN	J3.5		1.1	_
	ance	Adva			DISTINGUISHING MARKS
	(battery)	Electric		1.3	
Sea	ated	Sea	1.4	Ĭ	
30	00	35	00	1.5	
5	00	50	0	1.6	8
	31	43		1.8	
17	50	17	50	1.9	
					_
	00	53	1	2.1	
7157	841	7871	942	2.2	IGHTS
2560	2438	2508	2805	2.3	<i>o,</i>
	E	s	F.	3.1	_
	0 - 12	23 x 1		3.2	₹
	7 - 8	18 x		3.3	TYRES / CHASSIS
2X	2	2X	2	3.5	율
938	1054	938	1054	3.6	SISS
9	92	99	2	3.7	
_					_
5	5	5	5	4.1	
	92	21		4.2	
	00	10		4.3	
	55	31		4.4	
	93	38		4.5	
22		22		4.7.1	
	170	10		4.8	
	62	26		4.12	
34	92	35	70	4.19	
24	92	25	70	4.20	
1173	1289	1173	1289	4.21	
50 1	20 1000	50 12	0 1000	4.22	
	A	3/	4.23	MENSIONS	
	167	10	4.24	"	
	3 37	8	4.31		
	x 1000	13 1200 x	4.32		
	62	38	4.34		
	62	38	4.34.1		
39	118	39	4.34.2		
20	73	21:	39	4.35	
1	89	18	4.36		
	143	20	4.41		
	/ 810	706 /	4.42		
4	75	47	4.43		
17.0	18.0	16.0	18.0	5.1	
0.33	0.59	0.31	0.59	5.2	
0.56	0.46	0.58	0.46	5.3	쿒
5441	5588	5478	5720	5.5	PERFORMANCE DAT
17956	18441	18076	18875	5.6	Mark the second
8	12	7	12	5.7	물
22	34	20	32	5.8	M
4.56	4.18	4.60	4.23	5.9	
Hydr	aulic	Hydra	aulic	5.10	
2	10.0	2 x 1	10.0	6.1	
	5.0	2 X		6.2	g
	36A	4350		6.3	Ë
80	700	80	700	6.4	6
1770	1956	1770	1956	6.5	ELECTRIC ENGINE
8.	66	10.	03	6.6	
	ctronic	AC ele		8.1	,
	55	15	10.1		
	-40	20-		10.2	夏
29	3.3	29	.ა	10.3	AL DAT
	7	6	7	10.7	5.4

10.2
10.3
10.7
10.8

EQUIPMENT & WEIGHT:
Weights (line 2.1) are based on the following specifications:
Complete truck with 3 390 mm (J2.5-2.5XN) or 3 200 mm (J3.0-3.5XN) 2-stage limited free lift mast, standard carriage and 1000 mm forks with load backrest with extended shift on with DIN battery configuration, standard seat and overhead guard and pneumatic shaped solid drive and steer tyres.

Specification data is based on VDI 2198 * Standard / Wide tread ** 60 minute rating *** 5 minute rating **** 30 minute rating

J2.2XN, J2.5XN, J3.0XN, J3.5XN ADVANCE+

		1, 12.0MH, 10.0MH, 10.0MH ADEANO							
				нуя	STER	HYS	TER	HYS	TER
e e	1.1	Manufacturer (abbreviation) Manufacturer's type designition			2XN	J2.5X		J2.5XN-861	
ING MARKS	1.2	Model			ance+	Adva		Advance+	
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas			(battery)	Electric		Electric (battery)	
NGUISH	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Se	ated	Sea	ted	Seated	
	1.5	Rated capacity / Rated load	Q (kg)		200	25		2500	
DIST	1.6	Load centre distance	c (mm)		500	50		500	
	1.8	Load distance, centre of drive axle to fork	x (mm)		119	41		41	
_	1.9	Wheelbase	y (mm)	1	606	16	U6	17	50
10	2.1	Service weight □	ka	1	670	48	70	48	60
WEIGHTS	2.1	Axle loading, laden front/rear	kg kg	5640	1224	6114	1254	6183	1167
ĕ	2.3	Axle loading, unladen front/rear	kg	2018	2646	1805	3063	2067	2783
	3.1	Tyres: L = pneumatic, V = cushion, SE = Pneumatic Shape Solid		:	SE	S	E	S	E
SISSI	3.2	Tyre size, front			10 - 12	23 x 1		23 x 1	
IYRES / CHASSIS	3.3	Tyre size, rear			(7 - 8	18 x		18 x	
ES ES	3.5	Wheels, number front/rear (x = driven wheels) Tread, front *	b ₁₀ (mm)	938	1054	2X 938	2 1054	2X 938	1054
=	3.7	Tread, rear	b ₁₀ (mm)		1034	99	l .	99	
			-11 -						_
	4.1	Tilt of mast/fork carriage forward/backward	α/β(°)	5	5	5	5	5	5
	4.2	Height, mast lowered	h ₁ (mm)		192	21		21	92
	4.3	Free lift ¶	h ₂ (mm)		00	10		10	
	4.4	Lift ¶	h ₃ (mm)		350	33		33	
	4.5	Height, mast extended + Height of overhead guard (cabin) ■	h ₄ (mm)		960	39		39	
	4.7.1	Cab height (open cab)	h _e (mm)		206	21		22	
	4.8	Seat height relating to SIP/stand height •	h, (mm)		070	1070		10	
	4.12	Coupling height	h ₁₀ (mm)	262		26	62	26	32
	4.19	Overall length	I ₁ (mm)	3	336	3336		34	80
	4.20	Length to face of forks ♦	I ₂ (mm)		336	23		24	
¥	4.21	Overall width *	b ₁ /b ₂ (mm)	1173	1289	1173	1289	1173	1289
DIMENSIONS	4.22	Fork dimensions DIN ISO 2331	s/e/I (mm)		00 1000 2A	40 10		40 10	
	4.23	Fork carriage ISO 2328, class/type A, B Fork carriage width ■	b ₂ (mm)		067	10		10	
	4.31	Ground clearance, laden, below mast	m, (mm)		83	8		8	
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	1	37	13	37	13	37
	4.33	Load dimension b12 × I6 crossways	1200	x 1000	1200 >	1000	1200 x	1000	
	4.34	Aisle width predetermined load dimensions	A _{st} (mm)		613	36		3750	
8	4.34.1	Aisle width for pallets 1000 × 1200 wide ◆	A _{st} (mm)		613 766	36 37		37	
	4.34.2	Aisle width for pallets 800 × 1200 long ◆ Turning radius	A _{st} (mm) W _a (mm)		931	19		20	
	4.36	Internal turning radius	b ₁₃ (mm)		73	173		189	
	4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	(mm)	1:	981	19	81	20	43
•	4.42	Step Height (from ground to running board) ★	(mm)	706	/ 810	706 /	810	706 / 810	
L	4.43	Step Height	(mm)	4	175	47	75	475	
~	5.1	Travel annual ladan / unladan A	km/h	21.0	21.0	21.0	21.0	21.0	21.0
	5.2	Travel speed, laden / unladen △ Lift speed, laden / unladen	km/h m/sec	21.0 0.52	21.0 0.72	21.0 0.49	21.0 0.72	21.0 0.49	21.0 0.72
E	5.3	Lowering speed, laden / unladen	m/sec	0.57	0.51	0.57	0.51	0.57	0.51
8	5.5	Drawbar pull, laden / unladen, 60 minute rating **	N	6015	6235	6037	6185	6037	6185
PERFORMANCE DATA	5.6	Maximum drawbar pull laden / unladen, 5 minute rating***	N	19849	20576	19927	20409	19927	20409
2	5.7	Gradeability laden / unladen, 30 minute rating **** †	%	11	16	10	14	10	14
1 -	5.8 5.9	Maximum gradeability laden / unladen *** † Acceleration time, laden / unladen 10m \triangle	%	4.04	42 3.71	26 4.04	38 3.71	26 4.04	38 3.71
	5.10	Service brake	sec		raulic	4.04 Hydr		4.04 Hydr	
9	0.10		CHICAGO CONTRACTOR			11yul		11yun	
	6.1	Drive motor rating S2 60 min	kW	2 x	10.0	2 x	10.0	2 x 1	10.0
ELECTRIC ENGINE	6.2	Lift motor rating at S3 15%	kW	2	4.0	24	.0	24	.0
9	6.3	Battery according to DIN 43531/35/36 A, B, C, no			536A	435		4350	
E E	6.4	Battery voltage/nominal capacity K5 Battery weight (min/max)	V/Ah	80	560	80	560	80	700
9 =	6.6	Energy consumption according to VDI cycle •	kWh/h @Nr of Cycles	1480	.51	1480 7.	1635	1770	1956 R6
The same	0.0		arrayar on or oyoles		.01	1.		8.6	
	8.1	Drive control		AC ele	ectronic	AC ele	ctronic	AC elec	etronic
M	10.1	Operating pressure for attachments	bar	1	55	15	55	15	55
¥	10.2	Oil volume for attachments >	l/min)-40	20-		20-	
DITIONAL DATA	10.3	Hydraulic oil tank, capacity	10(4)		9.3	29		29	
8	10.7	Sound pressure level at the driver's seat Towing coupling, type DIN	dB(A)		68 Pin	6 P		6 Pi	
	10.0	rowing coupling, type DIN	NAME OF TAXABLE PARTY.			P		l Pi	

	1.1	TER	HYS	HYSTER					
赐	1.2	XN	J3.5	V	J3.0X				
MILS		nce+	Advar	e+	Advan				
GUISHIN	1.3	battery)	Electric (ttery)	lectric (b	EI			
E S	1.4	ted	Seat	d	Seate				
M	1.5	00	350		3000				
S	1.6		50		500				
	1.8		43	431					
	1.9	00	175	_	1750	_			
_	0.1	70	F07	FOOC					
WEI	2.1	1115	7752 537	5300					
EIGHTS	2.2	3158	2209	1244 3209	_	7055 2090			
	2.0	0.00	2200	0200		2000			
	3.1	<u> </u>	SE		SE				
HAL	3.2	0 - 12	23 x 10	12	23 x 10				
ES/C	3.3	7 - 8	18 x 7	8	18 x 7				
HAS	3.5	2	2X	2		2X			
SIS	3.6	1054	938	1054		938			
	3.7	2	99		992				
	4.1	5	5	5		5			
	4.1		219	3	2192	J			
	4.3		10		100				
	4.4		315		3155				
	4.5		386		3865				
	4.7	33	219		2193				
	4.7.1	06	220		2206				
	4.8		107		1070				
	4.12		26		262				
	4.19		357		3492				
	4.20	1289	1173	1289	2492	1173			
	4.22		50 12	1000	120	50			
MENSION	4.23		3A		3A				
S	4.24	67	106		1067				
	4.31	3	83		83				
	4.32	7	13		137				
	4.33		1200 x	000	1200 x 1				
	4.34		382		3762				
	4.34.1		382		3762 3918				
	4.35		213		2073				
	4.36		18		189				
	4.41	76	207		2043				
				0	2043				
	4.42	810	706 /	706 / 810					
	4.42		706 / 47		706 / 8 475				
	4.43	5	47		475	10 5			
	5.1	21.0	18.0	21.0	475	19.5			
PE	5.1 5.2	21.0 0.63	18.0 0.37		475	0.42			
PERFOR	5.1	21.0	18.0	21.0 0.63	475				
PERFORMAN	5.1 5.2 5.3	21.0 0.63 0.46	18.0 0.37 0.58	21.0 0.63 0.46	475	0.42			
PERFORMANCE D	5.1 5.2 5.3 5.5	21.0 0.63 0.46 6177	18.0 0.37 0.58 5918	21.0 0.63 0.46 6035	475	0.42 0.56 5877			
PERFORMANCE DATA	5.1 5.2 5.3 5.5 5.6 5.7 5.8	21.0 0.63 0.46 6177 20385 13	18.0 0.37 0.58 5918 19522 8 22	21.0 0.63 0.46 6035 19916 13	475	0.42 0.56 5877 19393 9			
PERFORMANCE DATA	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.9	21.0 0.63 0.46 6177 20385 13 35 3.83	18.0 0.37 0.58 5918 19522 8 22 4.19	21.0 0.63 0.46 6035 19916 13 37 3.78	475	0.42 0.56 5877 19393 9			
PERFORMANCE DATA	5.1 5.2 5.3 5.5 5.6 5.7 5.8	21.0 0.63 0.46 6177 20385 13 35 3.83	18.0 0.37 0.58 5918 19522 8 22	21.0 0.63 0.46 6035 19916 13 37 3.78	475	0.42 0.56 5877 19393 9			
PERFORMANCE DATA	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.9 5.10	5 21.0 0.63 0.46 6177 20385 13 35 3.83	18.0 0.37 0.58 5918 19522 8 22 4.19 Hydra	21.0 0.63 0.46 6035 19916 13 37 3.78	475	0.42 0.56 5877 19393 9			
PERFORMANCE DATA ELE	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.9	5 21.0 0.63 0.46 6177 20385 13 35 3.83 audic	18.0 0.37 0.58 5918 19522 8 22 4.19	21.0 0.63 0.46 6035 19916 13 37 3.78	475	0.42 0.56 5877 19393 9			
1 ELECTRI	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.9 5.10	5 21.0 0.63 0.46 6177 20385 13 35 3.83 audic	18.0 0.37 0.58 5918 19522 8 22 4.19 Hydra	21.0 0.63 0.46 6035 19916 13 37 3.78 dic	475	0.42 0.56 5877 19393 9			
A ELECTRI	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.9 5.10	5 21.0 0.63 0.46 6177 20385 13 35 3.83 audic	18.0 0.37 0.58 5918 19522 8 22 4.19 Hydra	21.0 0.63 0.46 6035 19916 13 37 3.78 dic	475	0.42 0.56 5877 19393 9			
PERFORMANCE DATA ELECTRIC ENGINE	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.9 5.10	5 21.0 0.63 0.46 6177 20385 13 35 3.83 audic	18.0 0.37 0.58 5918 19522 8 22 4.19 Hydra 2 x 1 24.	21.0 0.63 0.46 6035 19916 13 37 3.78 dic	475 Hydrau 2 × 10 24.0 43536	0.42 0.56 5877 19393 9 24 4.14			
A ELECTRI	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.9 5.10 6.1 6.2 6.3 6.4	5 21.0 0.63 0.46 6177 20385 13 35 3.83 audic 0.0 0.0 0.0 1956	18.0 0.37 0.58 5918 19522 8 22 4.19 Hydra 2 x 1 24. 4353	21.0 0.63 0.46 6035 19916 13 37 3.78 dic	475 Hydrau 2 × 10 24.0 43536	0.42 0.56 5877 19393 9 24 4.14			
A ELECTRI	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.9 5.10 6.1 6.2 6.3 6.4 6.5 6.6	5 21.0 0.63 0.46 6177 20385 13 35 3.83 aulic 0.0 0.0 0.0 1956 03	47: 18.0 0.37 0.58 5918 19522 8 22 4.19 Hydra 2 x 1 24. 4353 80 1770	21.0 0.63 0.46 6035 19916 13 37 3.78 dic	475 Hydrau 2 x 10 24.0 43536	0.42 0.56 5877 19393 9 24 4.14			
1 ELECTRI	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.9 5.10 6.1 6.2 6.3 6.4 6.5 6.6	5 21.0 0.63 0.46 6177 20385 13 35 3.83 aulic 0.0 0.0 0.0 1956 03	47: 18.0 0.37 0.58 5918 19522 8 22 4.19 Hydra 2 x 1 24. 4353 80 1770 AC elect	21.0 0.63 0.46 6035 19916 13 37 3.78 dic	475 Hydrau 2 x 10 24.0 43536 8.66	0.42 0.56 5877 19393 9 24 4.14			
1 ELECTRI	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.9 5.10 6.1 6.2 6.3 6.4 6.5 6.6	5 21.0 0.63 0.46 6177 20385 13 35 3.83 aulic 0.0 0.0 0.0 1956 03 etronic 5	47: 18.0 0.37 0.58 5918 19522 8 22 4.19 Hydra 2 x 1 24. 4353 80 1770 AC elec	21.0 0.63 0.46 6035 19916 13 37 3.78 dic	475 Hydrau 2 x 10 24.0 43536 AC elect 155	0.42 0.56 5877 19393 9 24 4.14			
1 ELECTRI	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.9 5.10 6.1 6.2 6.3 6.4 6.5 6.6	5 21.0 0.63 0.46 6177 20385 13 35 3.83 aulic 0.0 0.0 0.0 1956 03 etronic 5 40	47: 18.0 0.37 0.58 5918 19522 8 22 4.19 Hydra 2 x 1 24. 4353 80 1770 AC elect	21.0 0.63 0.46 6035 19916 13 37 3.78 dic	475 Hydrau 2 x 10 24.0 43536 8.66	0.42 0.56 5877 19393 9 24 4.14			
1 ELECTRI	5.1 5.2 5.3 5.5 5.6 5.7 5.8 5.9 5.10 6.1 6.2 6.3 6.4 6.5 6.6	5 21.0 0.63 0.46 6177 20385 13 35 3.83 aulic 0.0 0.0 0.0 1956 03 etronic 5 40 3.3	47: 18.0 0.37 0.58 5918 19522 8 22 4.19 Hydra 2 x 1 24. 4353 80 1770 AC elect 15: 20-4	21.0 0.63 0.46 6035 19916 13 37 3.78 dic	475 Hydrau 2 x 10 24.0 43536 8.66 AC elect 155 20-4	0.42 0.56 5877 19393 9 24 4.14			

10.2
10.3
10.7
10.8

EQUIPMENT & WEIGHT:
Weights (line 2.1) are based on the following specifications:
Complete truck with 3 390 mm (J2.5-2.5XN) or 3 200 mm (J3.0-3.5XN) 2-stage limited free lift mast, standard carriage and 1000 mm forks with load backrest with extended shift on with DIN battery configuration, standard seat and overhead guard and pneumatic shaped solid drive and steer tyres.

MAST AND CAPACITY INFORMATION

Values shown are for standard equipment. When using non-standard equipment these values may change. Please contact your Hyster dealer for information.

VISTA MASTS J2.2-2.50XN

	Maximum Fork Height ⊲ (mm) (h ₃ + s)	Back Tilt	Overall Lowered Height (mm)	Overall Extended Height (mm)	Free lift (top of forks) � (mm) (h ₂ + s)
Vista 2-Stage limited free lift	3390 3790 4330 4830	5° 5° 5° 5°	2195 2395 2745 2995	3956 ◆ 4356 ◆ 4896 ◆ 5396 ◆	140 140 140 140
Vista 2-Stage full free lift	3400	5°	2195	3966 ❖	1625 🔾
Vista 3-Stage limited free lift	4950 5550 6000	5° 5° 5°	2145 2395 2595	5496 → 6096 → 6546 →	1595 × 1845 × 2045 ×

VISTA MASTS J3.0-3.5XN

	Maximum Fork Height ⊲ (mm) (h ₃ + s)			Overall Extended Height (mm)	Free lift (top of forks) � (mm) (h ₂ + s)
Vista 2-Stage limited free lift	3200 3600 4100 4600	5° 5° 5° 5°	2195 2395 2745 2990	3861 D 4261 D 4761 D 5261 D	145 145 145 145
Vista 2-Stage full free lift	3205	5°	2195	3862 ▶	1535 ▲
Vista 3-Stage limited free lift	4610 4910 5210 5810	5° 5° 5° 5°	2145 2295 2395 2645	5252 — 5552 — 5852 — 6452 —	1500 * 1650 * 1750 * 2000 *

12.2-3.5XN - capacity chart in kg @ 500 mm load centres

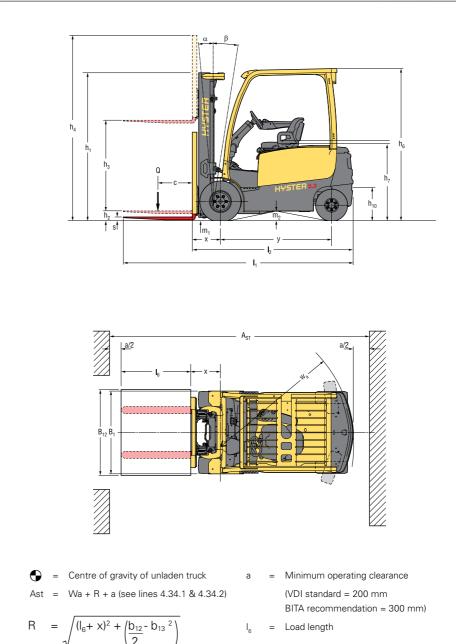
						Pneumatic Sha	ped Solid Tyre	s				
	Maximum	aximum WITHOUT sideshift		WIT	WITH integral sideshift			WITHOUT	sideshift	WITH integral sideshi		
	fork height ⊲ (mm) (h ₃ + s)	J2.2XN 717 □	J2.5XN 717 □	J2.5XN 861 □	J2.2XN 717 □	J2.5XN 717 □	J2.5XN 861 □	fork height \triangleleft (mm) ($\mathbf{h}_3 + \mathbf{s}$)	J3.0XN 861 □	J3.5XN 861 □	J3.0XN 861 □	J3.5XN 861 □
Vista 2-Stage Iimited free lift	3390 3790 4330 4830	2200 2200 2200 2200	2500 2500 2500 2480	2500 2500 2500 2500	2200 2200 2200 2190	2490 2490 2470 2440	2500 2500 2500 2500	3200 3600 4100 4600	3000 3000 3000 2920	3500 3500 3500 3410	2960 2950 2940 2850	3440 3430 3420 3330
Vista 2-Stage full free lift	3400	2200	2500	2500	2200	2500	2500	3205	3000	3500	2960	3440
Vista 3-Stage full free lift	4950 5550 6000	2200 2110 2020	2440 2310 2210	2500 2410 2310	2180 2070 1980	2400 2250 2150	2500 2380 2290	4610 4910 5210 5810	2970 2900 2840 2690	3460 3400 3320 - 3170 -	2900 2830 2760 2600	3370 3300 3220 - 3060 -

12.2-3.5XN - capacity chart in kg @ 600 mm load centres

					- 1	Pneumatic Sha	ped Solid Tyre	s				
	Maximum	Maximum WITHOUT sideshift		WIT	WITH integral sideshift Max			WITHOUT	sideshift	WITH integral sideshift		
	fork height ⊲ (mm) (h ₃ + s)	J2.2XN 717 □	J2.5XN 717 □	J2.5XN 861 □	J2.2XN 717 □	J2.5XN 717 □	J2.5XN 861 □	fork height <> (mm) (h ₃ + s)	J3.0XN 861 □	J3.5XN 861 □	J3.0XN 861 □	J3.5XN 861 □
Vista 2-Stage limited free lift	3390 3790 4330 4830	2000 2000 2000 2000	2270 2270 2270 2250	2270 2270 2270 2270	2000 2000 1990 1980	2250 2250 2240 2210	2270 2270 2270 2270	3200 3600 4100 4600	2720 2720 2720 2650	3130 3130 3130 3090	2680 2670 2660 2580	3110 3100 3090 3010
Vista 2-Stage full free lift	3400	2000	2270	2270	2000	2260	2270	3205	2720	3130	2680	3110
Vista 3-Stage full free lift	4950 5550 6000	2000 1920 1830	2210 2100 2000	2270 2190 2100	1970 1870 1790	2170 2030 1940	2250 2150 2070	4610 4910 5210 5810	2690 2630 2570 2440	3130 3080 3010 - 2870 -	2620 2560 2500 2350	3050 2980 2920 - 2760 -

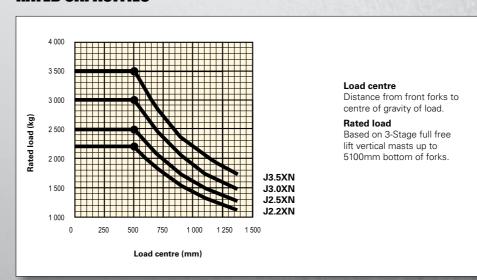
NOTE: To calculate truck capacities with alternative truck specifications to the ones shown in the above tables, please consult your Hyster dealer. The rated capacities shown are for masts in a vertical position on trucks equipped with standard or sideshift carriage and nominal length forks. Masts above the maximum fork heights shown in the mast table are classified as high lift and, depending on the tyre/tread configuration may require reduced capacity, restricted back tilt or wide tread.

TRUCK DIMENSIONS



$$R = \sqrt{(I_6 + x)^2 + \left(\frac{b_{12}}{2} - b_{13}^2\right)}$$

RATED CAPACITIES



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. If these specifications are critical, the proposed application should be discussed with your dealer.

■ Max. battery

- ¶ Bottom of forks
- → Without load backrest
- Full suspension in compressed position specified. Add 40 mm for nominal position. Add 104 mm for battery side removal option
- Add 28 mm with load backrest
- h₆ subject to +/- 5 mm tolerance. Add 20mm with cab option. Add 104mm for battery side removal option. Add 124mm for battery side removal with cab option
- ★ Vertical/horizontal battery removal
- ♦ With sideshift carriage add 32mm for J2.2XN - J2.5XN-717, 34mm for J2.5XN-861 LWB, 33mm for J3.0XN, 32mm for J3.5XN
- ◆ Stacking aisle width (lines 4.34.1 & 4.34.2) is based on the VDI standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition of 100 mm to the total clearance (dimension a) for extra operating margin at the rear of the truck.
- † Gradeability figures (lines 5.7 & 5.8) are provided for comparison of tractive performance, but are not intended to endorse the operation of the vehicle on the stated inclines. Follow instructions in the operating manual regarding operation on inclines.

△ HiP Performance settings

- eLo Performance settings
- Maximum flow set through dash display.
- L_{PA7}, measured according to the test cycles and based on the weighting values contained in EN12053

- ◆ Add 666mm with load backrest extension.
- O Deduct 666mm with load backrest extension.
- → Add 684mm with load backrest extension
- Deduct 684mm with load backrest extension. Add 583mm with load backrest extension.
- ▲ Deduct 583mm with load backrest extension.
- ← Add 601mm with load backrest extension.
- * Deduct 601mm with load backrest extension.
- ☐ Nominal Battery compartment length.
- Wide tread required. Standard tread possible but with reduced capacity. Contact your lift truck dealer
- > Alternative capacities available with pneumatic tyres. Contact your lift truck dealer.
- \triangleleft Max fork height = h_3 +s
- ♦ Freelift (top of forks) = h₂+s

Care must be exercised when handling elevated loads. When the carriage and/or load is elevated, truck stability is reduced. It is important that mast tilt in either direction be kept to a minimum when loads are elevated

Operators must be trained and adhere to the instructions contained in the Operating Manual. Hyster products are subject to change without notice. Lift trucks illustrated may feature optional equipment.

C € Safety:

This truck conforms to the current EU requirements.

6

PRODUCT FEATURES

The Hyster J2.2-3.5XN series is available in 2 configurations – Advance & Advance+.

With enhanced performance characteristics, the Advance+ configuration has been designed to operate in intensive, high productivity applications with long runs and high lifts as an effective alternative to an engine-powered truck.

For example, in comparison to the Advance configuration, top speed (laden) has been increased to up to 21 km/h with faster acceleration and lifting speeds have been increased by 27%.

DEPENDABILITY

- Redesigned mast incorporates new chain placement and hose routings that maximise fork visibility for the driver and reliable, high performance lifting.
- Strong chassis construction and reliable, long-lasting components deliver excellent durability and stability, increasing driver confidence and enhancing productivity.
- AC motor technology on traction and hoist, with built in thermal management system, allows the truck to work reliably over long runs and in demanding work cycles, reducing downtime significantly.
- The electrical system features a CANbus communications network and Hall Effect sensors for increased reliability.
- IP54 enclosed traction motors and IP65 protection of controls and all electrical connections prevents ingress of water and dust particles, reducing the probability of truck downtime.

PRODUCTIVITY

- Dual 10 kW AC front wheel traction motors deliver smooth acceleration, fast travel and rapid direction changes. This is combined with regenerative braking and a powerful hoist motor to deliver efficient load handling in the toughest of applications.
- Designed to offer excellent manoeuvrability in working aisles, speeding up throughput, the truck features a slim counterweight, Zero Turn Radius (ZTR) steer axle and dual drive motors.
- The maintenance-free mechanical Hyster
 Stability Mechanism (HSM) reduces truck lean
 when travelling over obstacles, increasing driver
 confidence and productivity.
- Extended battery shift life and easy side battery removal

ERGONOMICS

- The ergonomically designed operator compartment provides a comfortable and highly productive environment for the driver. The truck offers industry leading floor space and easy on/off access is enhanced thanks to the low intermediate non-slip step (height = 231 mm).
- Low noise and whole body vibration combined with a full suspension seat with 80 mm suspension travel and a range of adjustments ensures the operator remains comfortable over long shifts.
- The fully adjustable tilt steering column with telescopic adjustment, memory tilt and synchronised steering options allows the operator to get on and off the truck quickly and easily throughout the shift, ensuring maximum comfort and increased productivity.
- The TouchPointTM mini-lever module armrest with built in hydraulic controls, integrated directional control, emergency off switch and horn offers the ultimate in comfort and control. Alternatively, seat-side manual levers also provide handling ease.
- A 'Heads-up' display keeps the driver's field of vision clear but provides him with 'at a glance' information on truck operating conditions or performance settings.
- A choice of weather protection options promotes a comfortable working environment, whatever the conditions.

LOW COST OF OWNERSHIP

- Customisable performance settings allow energy efficiency to be ideally balanced with productivity delivering high throughput at lower operating cost.
- The Vehicle System Manager (VSM) allows adjustment of truck performance parameters and monitors key functions, leading to application matched performance and minimum downtime.
- Durable, quality components, including virtually maintenance free oil immersed brakes and brushless AC motors offer long term reliability and lower maintenance costs.
- In-built thermal protection on traction motors and advanced cooling system protect truck components, leading to reduced maintenance costs.
- Fast delivery of diagnostic information allows precise troubleshooting, easy maintenance planning and lower costs.

SERVICEABILITY

- Standard 1 000 hour service interval.
- Access to diagnostic information via dash display with or plug-in port and laptop. This functionality saves technician time when setting up multiple items.
- Easily removable two-piece floor plate provides easy access to power contactor, traction controller fuses and relays.
- Motor, pump, controller and oil tank are located in the counterweight and are easily accessible, requiring only 2 thumb screws to be removed.
- Automatic park brake system can be released manually by activating lever arrangement underneath floor plates, reducing downtime.
- LED master, indicator, brake and back-up lights are designed to last the lifetime of the truck.

 Combined with the approved LED work lights

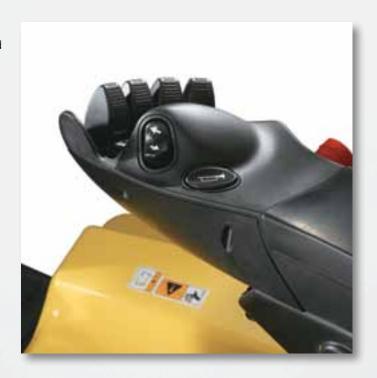
8

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

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

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

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





HYSTER EUROPE

Centennial House, Frimley Business Park, Frimley, Surrey, GU16 7SG, England. Tel: +44 (0) 1276 538500







@ infoeurope@hyster.com



/HysterEurope



@HysterEurope



/HysterEurope

HYSTER and FORTENS are registered trademarks in the European Union and certain other jurisdictions. MONOTROL is a registered trademark, and DURAMATCH and are trademarks in the United States and in certain other jurisdictions. Hyster products are subject to change without notice. Lift trucks illustrated may feature optional equipment. A division of NACCO Materials Handling Limited.

Form number: 901453/5. Printed in England. TLC/09/14