



J3.0XN ADVANCE

DISTINGUISHING MARKS		HYSTER	
1.1	Manufacturer (abbreviation)	J3.0XN	
1.2	Manufacturer's type designation	Advance	
	Model	Electric (battery)	
1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Seated	
1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Seated	
1.5	Rated capacity / Rated load	3000	
1.6	Load centre distance	500	
1.8	Load distance, centre of drive axle to fork	431	
1.9	Wheelbase	1750	
WEIGHTS		5000	
2.1	Service weight <input type="checkbox"/>	kg	
2.2	Axle loading, laden front/rear <input type="checkbox"/>	7157	841
2.3	Axle loading, unladen front/rear <input type="checkbox"/>	2560	2438
TYRES / CHASSIS		SE	
3.1	Tyres: L = pneumatic, V = cushion, SE = Pneumatic Shape Solid	23 x 10 - 12	
3.2	Tyre size, front	18 x 7 - 8	
3.3	Tyre size, rear	2X	2
3.5	Wheels, number front/rear (x = driven wheels)	938	1054
3.6	Tread, front *	b ₁₀ (mm)	
3.7	Tread, rear	b ₁₁ (mm)	
DIMENSIONS		5 5	
4.1	Tilt of mast/fork carriage forward/backward	α / β (°)	
4.2	Height, mast lowered	h ₁ (mm)	
4.3	Free lift †	h ₂ (mm)	
4.4	Lift †	h ₃ (mm)	
4.5	Height, mast extended †	h ₄ (mm)	
4.7	Height of overhead guard (cabin) ■	h ₆ (mm)	
4.7.1	Cab height (open cab)	2206	
4.8	Seat height relating to SIP/stand height ●	h ₇ (mm)	
4.12	Coupling height	h ₁₀ (mm)	
4.19	Overall length	l ₁ (mm)	
4.20	Length to face of forks ◆	l ₂ (mm)	
4.21	Overall width *	1173	1289
4.22	Fork dimensions DIN ISO 2331	50	120 1000
4.23	Fork carriage ISO 2328, class/type A, B	3A	
4.24	Fork carriage width ●	b ₃ (mm)	
4.31	Ground clearance, laden, below mast	m ₁ (mm)	
4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	
4.33	Lead dimension b ₁₂ x l ₁ crossways	1200 x 1000	
4.34	Aisle width predetermined load dimensions	A _{st} (mm)	
4.34.1	Aisle width for pallets 1000 x 1200 wide ◆	3762	
4.34.2	Aisle width for pallets 800 x 1200 long ◆	3918	
4.35	Turning radius	W ₈ (mm)	
4.36	Internal turning radius	b ₁₃ (mm)	
4.41	90° intersecting aisle (With pallet W = 1200mm, L = 1000mm)	(mm)	
4.42	Step Height (from ground to running board) *	706 / 810	
4.43	Step Height	475	
PERFORMANCE DATA		17.0 18.0	
5.1	Travel speed, laden / unladen △	km/h	
5.2	Lift speed, laden / unladen	0.33 0.59	
5.3	Lowering speed, laden / unladen	0.56 0.46	
5.5	Drawbar pull, laden / unladen, 60 minute rating **	N	
5.6	Maximum drawbar pull laden / unladen, 5 minute rating***	17956 18441	
5.7	Gradeability laden / unladen, 30 minute rating **** †	8 12	
5.8	Maximum gradeability laden / unladen *** †	22 34	
5.9	Acceleration time, laden / unladen 10m △	4.56 4.18	
5.10	Service brake	Hydraulic	
ELECTRIC ENGINE		2 x 10.0	
6.1	Drive motor rating S2 60 min	kW	
6.2	Lift motor rating at S3 15%	16.0	
6.3	Battery according to DIN 43531/35/36 A, B, C, no	43536A	
6.4	Battery voltage/nominal capacity K5	V/Ah	
6.5	Battery weight (min/max)	80 700	
6.6	Energy consumption according to VDI cycle ●	kg	
		1770 1956	
		kWh/h @Nr of Cycles	
		8.66	
ADDITIONAL DATA		AC electronic	
8.1	Drive control		
10.1	Operating pressure for attachments	bar	
10.2	Oil volume for attachments ◆	l/min	
10.3	Hydraulic oil tank, capacity	20-40	
10.7	Sound pressure level at the driver's seat ☼	l	
10.8	Towing coupling, type DIN	29.3	
		67	
		Pin	

NOTE:

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 LVVB, 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_{PAZ}, measured according to the test cycles and based on the weighting values contained in EN12053

TABLES KEY:

- ◆ Add 666mm with load backrest extension.
- 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.
- △ Max fork height = h₃+s
- ◆ Freelif (top of forks) = h₃+s

NOTICE

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

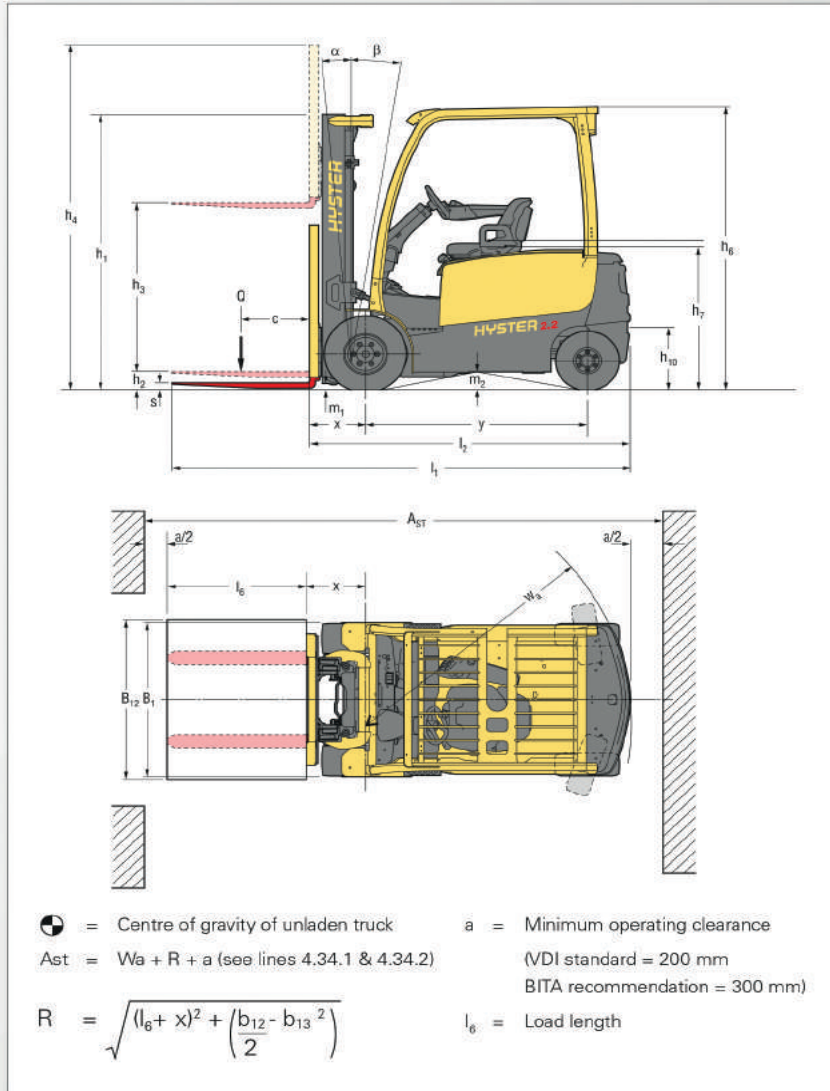
Operators must be trained and adhere to the instructions contained in the Operating Manual.

Hyster products are subject to change without notice. Lift trucks illustrated may feature optional equipment.

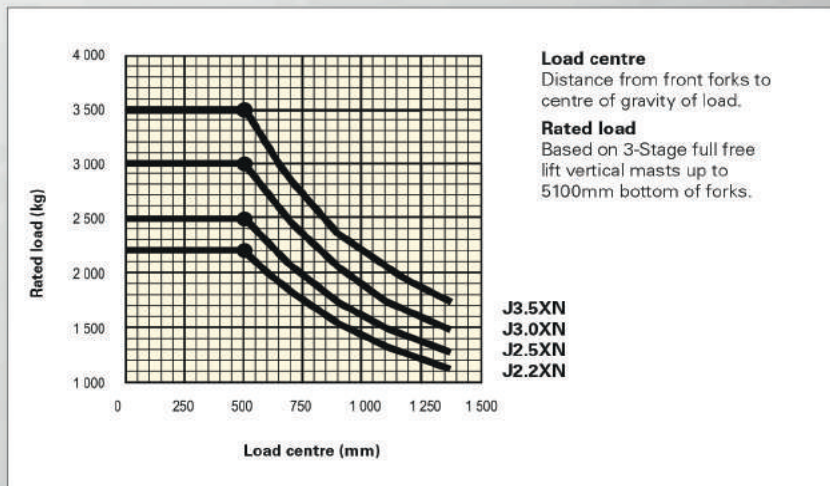
CE Safety:

This truck conforms to the current EU requirements.

TRUCK DIMENSIONS



RATED CAPACITIES



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 J3.0-3.5XN

	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	3200	5°	2195	3861 ▶	145
	3600	5°	2395	4261 ▶	145
	4100	5°	2745	4761 ▶	145
	4600	5°	2990	5261 ▶	145
Vista 2-Stage full free lift	3205	5°	2195	3862 ▶	1535 ▲
Vista 3-Stage limited free lift	4610	5°	2145	5252 ─	1500 *
	4910	5°	2295	5552 ─	1650 *
	5210	5°	2395	5852 ─	1750 *
	5810	5°	2645	6452 ─	2000 *

J2.2-3.5XN - capacity chart in kg @ 500 mm load centres

	Maximum fork height ◀ (mm) (h ₃ + s)	Pneumatic Shaped Solid Tyres										
		WITHOUT sideshift			WITH integral sideshift			Maximum fork height ◀ (mm) (h ₃ + s)	WITHOUT sideshift		WITH integral sideshift	
		J2.2XN 717 □	J2.5XN 717 □	J2.5XN 861 □	J2.2XN 717 □	J2.5XN 717 □	J2.5XN 861 □		J3.0XN 861 □	J3.5XN 861 □	J3.0XN 861 □	J3.5XN 861 □
Vista 2-Stage limited 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 -

J2.2-3.5XN - capacity chart in kg @ 600 mm load centres

	Maximum fork height ◀ (mm) (h ₃ + s)	Pneumatic Shaped Solid Tyres										
		WITHOUT sideshift			WITH integral sideshift			Maximum fork height ◀ (mm) (h ₃ + s)	WITHOUT sideshift		WITH integral sideshift	
		J2.2XN 717 □	J2.5XN 717 □	J2.5XN 861 □	J2.2XN 717 □	J2.5XN 717 □	J2.5XN 861 □		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.