



Hyster J1.50 - J4.00(H)EX

Pneumatic Tyre
Battery Electric AC Powered



The tradition of
tough Hyster trucks
continues...
...with AC Power

B'



**Meet the new battery electric
lift truck made to *out manoeuvre*,
out perform and *out last* the others.**

The **Hyster J - (H)EX** range now has
AC technology to match the Performance of
Internal Combustion Engine (ICE) lift trucks

...without the noise

...without the fumes

...without the fuel costs



**Perfect for
indoor and
outdoor
applications!**





New AC technology

AC motors deliver exciting performance

- Faster acceleration
- Higher travel speed
- Greater lift speeds
- Improved gradeability

Maintenance free AC motors and microprocessor based controller for improved reliability and uptime.

AC control system provides energy savings through power loss elimination and improved power regeneration during:

- Coasting/neutral
- Braking
- Direction change
- Load lowering

It all adds up to working faster for longer



Superb Stability

Drop down Battery Box (DBB) design

- Lower centre of gravity for improved stability

Steer axle swing control

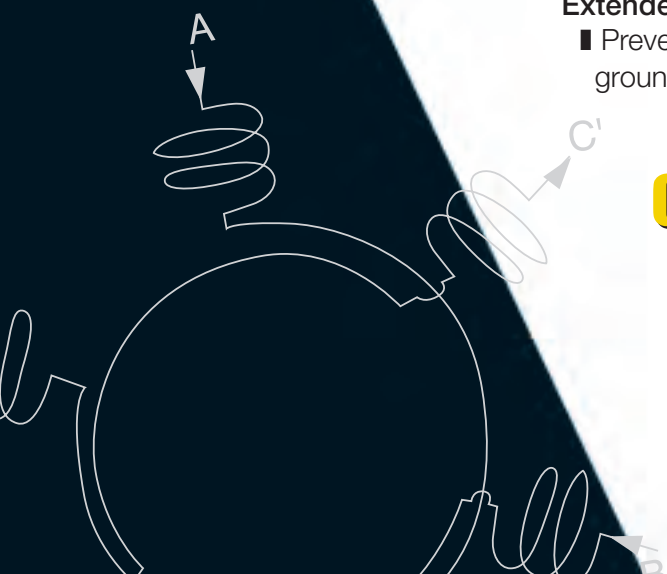
- For greater road handling when cornering

Extended wheelbase

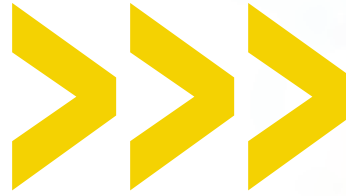
- Prevents bouncing over rough ground at high speed



Greater Stability = Productivity



Put yourself in the driver's seat



The best seat in the house

- Fully adjustable seat
- Optional full suspension seat

Comfort and support

Room with a view

- Slimline mast channels

Greater visibility

Automotive style controls

- Steering column mounted gear selector
- Self-cancelling indicators

Fewer hand movements

Easy reach control levers

- Mounted next to the operator's seat

Reduced operator effort

Spacious operator compartment

- Wide, clear footwell
- Generous overhead clearance

Easy entry & exit

Ideal steering ergonomics

- Optimised steering wheel size
- Offset location

Less tiring

Electro-hydraulic power steering

- Speed sensitive
- Optional on-demand power steering with synchroniser

Precise control



(Model shown fitted with Triplex Mast)





Multi-Display Panel

LCD screen for improved visibility and ease of operation

- Hour meter (total & functional)
- Travelling speed
- Distance travelled
- Digital clock
- Warning indicators
- Battery Discharge Indicator (BDI)
- Power mode selector

Range of capacities and options to suit Your application

Model		J1.50(H)EX	J1.75(H)EX	J2.00(H)EX	J2.50(H)EX	J3.00EX	J3.50EX	J4.00EX
Capacity	Kg	1,500	1,750	2,000	2,500	3,000	3,500	4,000
Load Centre	mm	500	500	500	500	500	600	600
Voltage	V	48	48	48	48	72	72	72



Features

Choice of battery sizes

- To last the whole shift

Choice of power modes

- Power Mode - to work faster
- Economy Mode - to work longer

Auto Power Off

- The truck will automatically turn off after 15 minutes idle time.

Soft Landing Lift Cylinder

- When lowering, the mast speed is reduced as ground level is approached to avoid collision, noise and excess fork heel wear

Weatherproofing

- Sealed controllers and brushless motors provide improved water resistance in all weather conditions.

Booklet holder for operator's manual

Storage compartment for a binder and pens

Additional Features

3 to 4 ton model

- "Hyper" power mode for maximum performance
- in-built "Hyper" solid-state rapid charger

Optional Features

- Full suspension seat
- Integral sideshift
- Freezer construction
- individual keypad entry for the operator
- On-demand power steering with synchroniser (standard on 3 to 4 ton models)
- Battery roller available on all J - HEX models

Service and Maintenance

- Designed for easy access to vital components for inspection & replacement
- Removable floor plate
- Gas strut with lock function on the battery cover to aid charging and battery maintenance
- Maintenance free AC motors

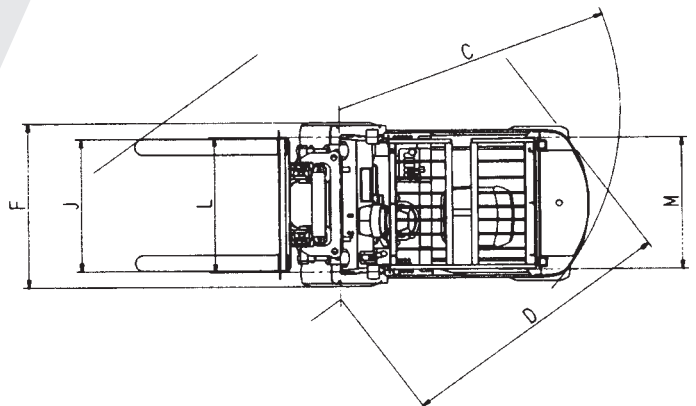


Specifications

Hyster J1.50 - J4.00(H)

		Chassis		Dim	Standard chassis				
					J1.50EX	J1.75EX	J2.00EX	J2.50EX	J3.00EX
Performance	Model								
	Capacity	kg			1,500	1,750	2,000	2,500	3,000
	With load center at	mm			500	500	500	500	500
	Lift height	mm			3,015	3,015	3,030	3,030	3,035
	Standard free lift	mm			145	145	155	155	160
	Tilt of mast (Forward/backward)	degree	A/B		6/10	6/10	6/10	6/10	6/10
	Travel speed	Unladen	km/h		15.0	15.0	15.0	15.0	18.0
	(Standard tread)	Laden	km/h		13.5	13.5	13.0	12.5	17.0
	Lifting speed	Unladen	mm/s		560	560	550	550	550
		Laden	mm/s		340	330	310	290	400
Minimum turning radius	mm	C		1,775	1,805	1,975	2,020	2,145	
Equal aisle width	mm	D		1,755	1,755	1,895	1,950	2,030	
Dimensions	Overall length	with forks	mm	E	3,000	3,035	3,195	3,395	3,560
	Overall width		mm	F	1,100	1,130	1,265	1,265	1,265
	Height	Canopy guard	mm	G	2,090	2,090	2,090	2,090	2,090
		Extended mast	mm	R	4,105	4,105	4,120	4,120	4,125
		Lowered mast	mm	H	1,995	1,995	1,995	1,995	2,030
	Fork length		mm	I	920	920	920	1,070	1,070
	Fork spread	Max. - Min.	mm	J	920 - 200	920 - 200	1,020 - 250	1,020 - 250	1,060-250
	Wheelbase		mm	K	1,380	1,380	1,485	1,485	1,625
	Tread	Front/Rear	mm	L	885/895	925/895	1040/1015	1,040/1,015	1,040/1,015
	Ground clearance	Mast	mm	N	110	110	120	120	120
Unladen weight	w/ standard battery	kg		2,940	3,135	3,660	4,220	4,730	
	w/o battery	kg		2,295	2,490	2,880	3,170	3,395	
Tyre Data	STD	Tyre size	Front		6.00-9-10PR(I)	21x8-9-10PR(I)	23x9-10-16PR(I)	23x9-10-16PR(I)	23x9-10-20PR(I)
		Rear		5.00-8-8PR(I)	5.00-8-10PR(I)	18x7-8-10PR(I)	18x7-8-10PR(I)	18x7-8-14PR(I)	
	DUAL	Tyre size	Front		4.50-12-8PR(I)	4.50-12-8PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)
		Overall width	mm	F	1,255	1,255	1,580	1,580	1,580
		Tread	Front	mm	J	1,135	1,135	1,410	1,410
Unladen weight	w/o battery	kg		2,345	2,530	2,925	3,215	3,435	
Electrical Components	Control type	Drive		FET inverter					
		Hoist		FET inverter					
		Steering		IGBT chopper					
	Drive motor	Type		AC induction					
		Rated output	kw		6.5	6.5	8.7	8.7	10.7
	Hoist motor	Type		AC induction					
		Rated output	kw		8.4	8.4	9.6	9.6	16.2
	Power steer motor	Type		DC permanent magnet					
Rated output		kw		0.9	0.9	0.9	0.9	1.2	
Battery compartment	W x L x H	mm		465 x 980 x 780	465 x 980 x 780	570 x 1028 x 780	570 x 1028 x 780	710 x 1028 x 780	
Battery capacity	Minimum	Volt x Ah/hr		48 x 390/5	48 x 390/5	48 x 440/5	48 x 565/5	72 x 465/5	
	Maximum	Volt x Ah/hr		48 x 525/5	48 x 525/5	48 x 700/5	48 x 700/5	72 x 600/5	

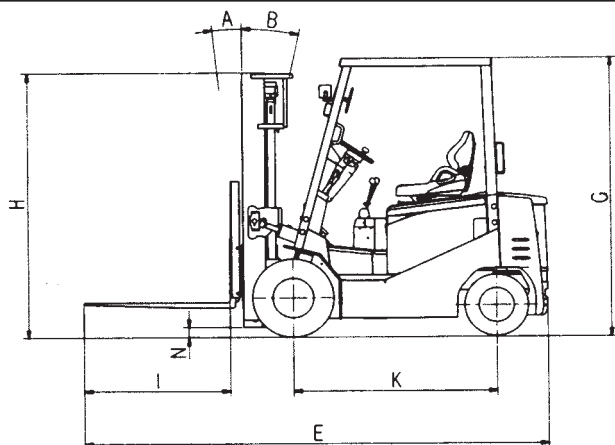
Specifications are subject to change without notice.



EX Pneumatic Tyre Battery Electric AC Powered

Mast Specifications

		Large battery chassis			
J3.50EX	J4.00EX	J1.50HEX	J1.75HEX	J2.00HEX	J2.50HEX
3,500	4,000	1,500	1,750	2,000	2,500
600	600	500	500	500	500
3,010	3,010	3,030	3,030	3,030	3,030
150	145	155	155	155	155
6/12	6/12	6/10	6/10	6/10	6/10
18.0	18.0	15.0	15.0	15.0	15.0
17.0	16.5	13.5	13.5	13.0	12.5
480	480	550	550	550	550
370	350	330	320	310	290
2,570	2,720	1,975	1,975	2,100	2,100
2,300	2,370	1,895	1,895	1,975	1,995
3,940	4,085	3,195	3,195	3,335	3,485
1,360	1,360	1,265	1,265	1,265	1,265
2,215	2,280	2,090	2,090	2,090	2,090
4,250	4,250	4,120	4,120	4,120	4,120
2,170	2,170	1,995	1,995	2,005	2,005
1,070	1,070	920	920	920	1,070
1,200 - 300	1,200 - 300	1,020 - 250	1,020 - 250	1,020 - 250	1,020 - 250
1,855	2,000	1,485	1,485	1,625	1,625
1,130/1,140	1,130/1,140	1,040/1,015	1,040/1,015	1,040/1,015	1,040/1,015
140	140	120	120	120	120
5,720	5,950	4,195	4,195	4,425	4,435
4,390	4,410	2,880	2,880	2,875	2,885
2.50-15-16PR(I)	2.50-15-18PR(I)	23x9-10-16PR(I)	23x9-10-16PR(I)	23x9-10-16PR(I)	23x9-10-16PR(I)
7.00-12-12PR(I)	7.00-12-12PR(I)	18x7-8-10PR(I)	18x7-8-10PR(I)	18x7-8-10PR(I)	18x7-8-10PR(I)
7.00-15-10PR(I)	7.00-15-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)
1,760	1,760	1,580	1,580	1,580	1,580
1,305	1,305	1,410	1,410	1,410	1,410
4,440	4,460	2,925	2,925	2,920	2,930
FET inverter					
FET inverter					
IGBT chopper					
AC induction					
14.0	14.0	8.7	8.7	8.7	8.7
AC induction					
20.0	20.0	9.6	9.6	9.6	9.6
DC permanent magnet					
1.2	1.2	0.9	0.9	0.9	0.9
710 x 1028 x 780	800 x 1028 x 780	570 x 1028 x 780	570 x 1028 x 780	710 x 1028 x 780	710 x 1028 x 780
72 x 465/5	72 x 600/5	48 x 565/5	48 x 565/5	48 x 725/5	48 x 725/5
72 x 600/5	72 x 700/5	48 x 700/5	48 x 700/5	48 x 990/5	48 x 990/5



	MFH# mm	Back Tilt	OLH@ mm	Free Lift* mm
J1.50-1.75EX	3,515	10°	2,245	145
	4,515	6°	2,845	145
	5,015	6°	3,095	145
	3,305	10°	2,150	1,225
	3,505	10°	2,250	1,325
	4,105	6°	2,600	1,675
	4,000	6°	1,820	925
	4,500	6°	2,015	1,125
	4,800	6°	2,120	1,225
	5,400	6°	2,320	1,425
6,000	6°	2,570	1,675	
J2.00-2.50EX	3,330	10°	2,170	155
	3,530	10°	2,270	155
	4,030	10°	2,620	155
	4,530	6°	2,870	155
	5,030	6°	3,120	155
	2,980	10°	1,995	1,075
	3,570	10°	2,370	1,450
	4,170	6°	2,720	1,800
	4,330	6°	2,040	1,120
	4,570	6°	2,120	1,200
5,020	6°	2,270	1,350	
5,670	6°	2,520	1,600	
6,020	6°	2,720	1,800	
J3.00EX	3,335	10°	2,180	160
	3,535	10°	2,280	160
	4,035	10°	2,630	160
	4,535	6°	2,880	160
	5,035	6°	3,130	160
	3,060	10°	2,130	1,075
	3,360	10°	2,280	1,225
	3,560	10°	2,380	1,325
	4,160	6°	2,730	1,675
	4,320	6°	2,050	995
4,560	6°	2,130	1,075	
5,010	6°	2,380	1,325	
6,010	6°	2,880	1,825	
J3.50-4.00EX	3,010	12°	2,170	150
	3,515	12°	2,425	150
	4,025	12°	2,780	150
	4,530	6°	3,035	150
	5,040	6°	3,290	150
	3,005	12°	2,100	880
	4,160	6°	2,090	870
	4,545	6°	2,215	995
	4,925	6°	2,345	1,125
	6,090	6°	2,825	1,605
3,030	10°	1,995	155	
3,530	10°	2,270	155	
4,530	6°	2,870	155	
5,030	6°	3,120	155	
J1.50-1.75HEX	3,370	10°	2,270	1,350
	3,570	10°	2,370	1,450
	4,170	6°	2,720	1,800
	4,120	6°	1,970	1,050
	4,570	6°	2,120	1,200
	5,020	6°	2,270	1,350
	5,320	6°	2,370	1,450
	5,670	6°	2,520	1,600
	6,020	6°	2,720	1,800
	3,330	10°	2,180	155
3,530	10°	2,280	155	
4,030	10°	2,630	155	
4,530	6°	2,880	155	
5,030	6°	3,130	155	
J2.00-2.50HEX	2,980	10°	2,005	1,075
	3,570	10°	2,380	1,450
	4,170	6°	2,730	1,800
	4,330	6°	2,050	1,120
	4,570	6°	2,130	1,200
	5,020	6°	2,280	1,350
	5,670	6°	2,530	1,600
	6,020	6°	2,730	1,800

@ : OLH, Overall Lowered Height shown are with Single Drive Tyres. Add 5mm for Dual Drive Tyres.
 * : Free Lift with 1070mm high Load Backrest

THE BIG BACKUP TEAM!



Hyster Asia-Pacific Dealer Network prides itself on providing a total product, service and support package for all your Lift Truck Needs.

Combining Hyster Lift Truck quality and Dealer Network Representation throughout the Asia-Pacific Region - you are provided with an unequalled advantage for Lift Truck ownership.

- > **Maximum Uptime** - provides you with minimum unplanned downtime
- > **Everything** from simple parts supply to full maintenance contracts.
- > **Remember the Every Day Low Pricing Parts Policy**
- It's an ongoing commitment to provide genuine Hyster Parts at the lowest prices around.
- > **Fleet Management** - assumes responsibility for the management of your total lift truck fleet
- > **Fleet Service** - A wide variety of service and maintenance programs are available or can be designed to meet your specific needs.
- > **Replacement Parts** - Geographically centralised Hyster Parts Distribution Centres provide a quick response to your parts needs.
- > **Basic Operator Training** - We offer basic operator training and safety programs, or can supply instructor kits for you to conduct in-house training.
- > **Service Training** - Specialised factory-conducted training workshops are available for your maintenance personnel. Scheduled service training keeps their knowledge up-to-date on all Hyster fork lift trucks.
- > **Financial Service** - A range of programs provide rental, lease or financial arrangements.



RAISING THE STANDARDS

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