



Pneumatic Tyre Battery Electric AC Powered

J1.50-J4.00EX
J1.50-J2.50HEX

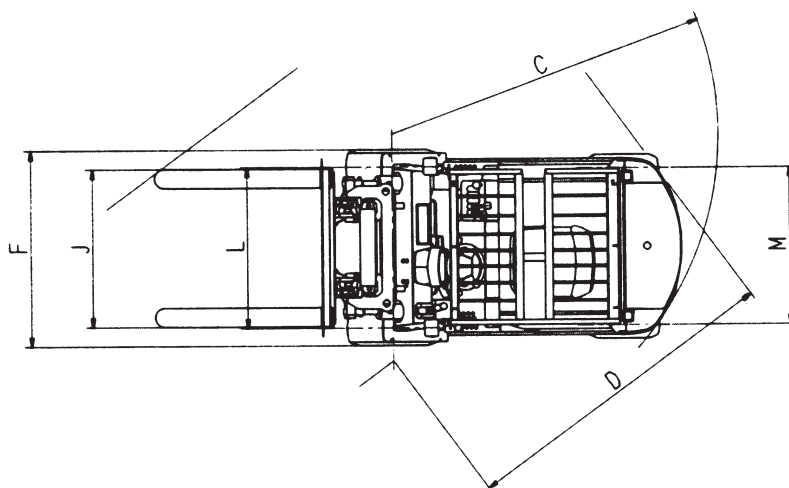


STRONG PARTNERS. TOUGH TRUCKS.

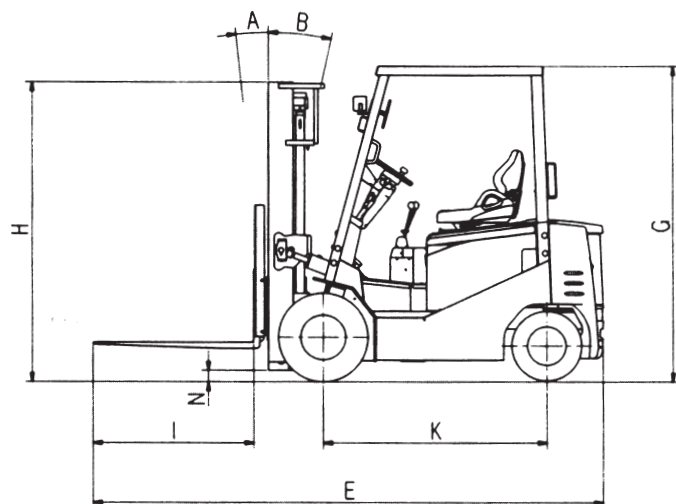
J1.50-J4.00EX, J1.50-J2.50HEX

PERFORMANCE		1	Chassis						
		2	Model			J1.50EX	J1.75EX	J2.00EX	
		3	Capacity	kg		1,500	1,750	2,000	
		4	With load center at	mm		500	500	500	
		5	Lift height	mm		3,015	3,015	3,030	
		6	Standard free lift	mm		145	145	155	
		7	Tilt of mast	(Forward/backward)	degree	A/B	6/10	6/10	6/10
		8	Travel speed	Unladen	km/h		15.0	15.0	15.0
		9	(Standard tread)	Laden	km/h		13.5	13.5	13.0
		10	Lifting speed	Unladen	mm/s		560	560	550
		11		Laden	mm/s		340	330	310
		12	Minimum turning radius	mm	C		1,775	1,805	1,975
		13	Equal aisle width	mm	D		1,755	1,755	1,895
DIMENSIONS		14	Overall length	with forks	mm	E	3,000	3,035	3,195
		15	Overall width		mm	F	1,100	1,130	1,265
		16	Height	Canopy guard	mm	G	2,090	2,090	2,090
		17		Extended mast	mm	R	4,105	4,105	4,120
		18		Lowered mast	mm	H	1,995	1,995	1,995
		19	Fork length		mm	I	920	920	920
		20	Fork spread	Max. - Min.	mm	J	920 - 200	920 - 200	1,020 - 250
		21	Wheelbase		mm	K	1,380	1,380	1,485
		22	Tread	Front/Rear	mm	L	885/895	925/895	1040/1015
		23	Ground clearance	Mast	mm	N	110	110	120
		24	Unladen weight	w/ standard battery	kg		2,940	3,135	3,660
		25		w/o battery	kg		2,295	2,490	2,880
TYRE	STD	26	Tyre size	Front		6.00-9-10PR(I)	21x8-9-10PR(I)	23x9-10-16PR(I)	
		27		Rear		5.00-8-8PR(I)	5.00-8-10PR(I)	18x7-8-10PR(I)	
	DUAL	28	Overall width	mm	F	1,255	1,255	1,580	
		29	Tread	Front	mm	J	1,135	1,135	1,410
		30	Unladen weight	w/o battery	kg		2,345	2,530	2,925
		31	Tyre size	Front		4.50-12-8PR(I)	4.50-12-8PR(I)	6.50-10-10PR(I)	
ELECTRICAL COMPONENTS		32	Control type	Drive		FET inverter	FET inverter	FET inverter	
		33		Hoist		FET inverter	FET inverter	FET inverter	
		34		Steering		IGBT chopper	IGBT chopper	IGBT chopper	
		35	Drive motor	Type		AC induction	AC induction	AC induction	
		36		Rated output	kw	6.5	6.5	8.7	
		37	Hoist motor	Type		AC induction	AC induction	AC induction	
		38		Rated output	kw	8.4	8.4	9.6	
		39	Power steer motor	Type		DC permanent magnet	DC permanent magnet	DC permanent magnet	
		40		Rated output	kw	0.9	0.9	0.9	
		41	Battery compartment	W x L x H	mm	465 x 980 x780	465 x 980 x780	570 x 1028 x780	
		42	Battery capacity	Minimum	Volt x Ah/hr	48 x 390/5	48 x 390/5	48 x 440/5	
		43		Maximum	Volt x Ah/hr	48 x 525/5	48 x 525/5	48 x 700/5	

Specifications are subject to change without notice.



Standard chassis				Large battery chassis			
J2.50EX	J3.00EX	J3.50EX	J4.00EX	J1.50HEX	J1.75HEX	J2.00HEX	J2.50HEX
2,500	3,000	3,500	4,000	1,500	1,750	2,000	2,500
500	500	600	600	500	500	500	500
3,030	3,035	3,010	3,010	3,030	3,030	3,030	3,030
155	160	150	145	155	155	155	155
6/10	6/10	6/12	6/12	6/10	6/10	6/10	6/10
15.0	18.0	18.0	18.0	15.0	15.0	15.0	15.0
12.5	17.0	17.0	16.5	13.5	13.5	13.0	12.5
550	550	480	480	550	550	550	550
290	400	370	350	330	320	310	290
2,020	2,145	2,570	2,720	1,975	1,975	2,100	2,100
1,950	2,030	2,300	2,370	1,895	1,895	1,975	1,995
3,395	3,560	3,940	4,085	3,195	3,195	3,335	3,485
1,265	1,265	1,360	1,360	1,265	1,265	1,265	1,265
2,090	2,090	2,215	2,280	2,090	2,090	2,090	2,090
4,120	4,125	4,250	4,250	4,120	4,120	4,120	4,120
1,995	2,030	2,170	2,170	1,995	1,995	2,005	2,005
1,070	1,070	1,070	1,070	920	920	920	1,070
1,020 - 250	1,060-250	1,200 - 300	1,200 - 300	1,020 - 250	1,020 - 250	1,020 - 250	1,020 - 250
1,485	1,625	1,855	2,000	1,485	1,485	1,625	1,625
1,040/1,015	1,040/1,015	1,130/1,140	1,130/1,140	1,040/1,015	1,040/1,015	1,040/1,015	1,040/1,015
120	120	140	140	120	120	120	120
4,220	4,730	5,720	5,950	4,195	4,195	4,425	4,435
3,170	3,395	4,390	4,410	2,880	2,880	2,875	2,885
23x9-10-16PR(l)	23x9-10-20PR(l)	2.50-15-16PR(l)	2.50-15-18PR(l)	23x9-10-16PR(l)	23x9-10-16PR(l)	23x9-10-16PR(l)	23x9-10-16PR(l)
18x7-8-10PR(l)	18x7-8-14PR(l)	7.00-12-12PR(l)	7.00-12-12PR(l)	18x7-8-10PR(l)	18x7-8-10PR(l)	18x7-8-10PR(l)	18x7-8-10PR(l)
1,580	1,580	1,760	1,760	1,580	1,580	1,580	1,580
1,410	1,410	1,305	1,305	1,410	1,410	1,410	1,410
3,215	3,435	4,440	4,460	2,925	2,925	2,920	2,930
6.50-10-10PR(l)	6.50-10-10PR(l)	7.00-15-10PR(l)	7.00-15-10PR(l)	6.50-10-10PR(l)	6.50-10-10PR(l)	6.50-10-10PR(l)	6.50-10-10PR(l)
FET inverter	FET inverter	FET inverter	FET inverter	FET inverter	FET inverter	FET inverter	FET inverter
FET inverter	FET inverter	FET inverter	FET inverter	FET inverter	FET inverter	FET inverter	FET inverter
IGBT chopper	IGBT chopper	IGBT chopper	IGBT chopper	IGBT chopper	IGBT chopper	IGBT chopper	IGBT chopper
AC induction	AC induction	AC induction	AC induction	AC induction	AC induction	AC induction	AC induction
8.7	10.7	14.0	14.0	8.7	8.7	8.7	8.7
AC induction	AC induction	AC induction	AC induction	AC induction	AC induction	AC induction	AC induction
9.6	16.2	20.0	20.0	9.6	9.6	9.6	9.6
DC permanent magnet	DC permanent magnet	DC permanent magnet	DC permanent magnet	DC permanent magnet	DC permanent magnet	DC permanent magnet	DC permanent magnet
0.9	1.2	1.2	1.2	0.9	0.9	0.9	0.9
570 x 1028 x780	710 x 1028 x 780	710 x 1028 x780	800 x 1028 x780	570 x 1028 x780	570 x 1028 x780	710 x 1028 x 780	710 x 1028 x 780
48 x 565/5	72 x 465/5	72 x 465/5	72 x 600/5	48 x 565/5	48 x 565/5	48 x 725/5	48 x 725/5
48 x 700/5	72 x 600/5	72 x 600/5	72 x 700/5	48 x 700/5	48 x 700/5	48 x 990/5	48 x 990/5



COLD STORE OPTIONS



Optional fisheries and corrosion protection up to minus 10° C.



Cold store freeze proof option for usage up to minus 45° C.



Deep freeze proof option for extreme cold usage up to minus 55° C.

Mast Specifications

Model	J1.50-1.75EX				J2.00-2.50EX				J3.00EX				J3.50-4.00EX			
	MFH	Back	OLH ¹	Free Lift ²	MFH	Back	OLH ¹	Free Lift ²	MFH	Back	OLH ¹	Free Lift ²	MFH	Back	OLH ¹	Free Lift ²
Mast Type	mm	Tilt	mm	mm	mm	Tilt	mm	mm	mm	Tilt	mm	mm	mm	Tilt	mm	mm
Simplex	3,515	10°	2,245	145	3,330	10°	2,170	155	3,335	10°	2,180	160	3,010	12°	2,170	150
	4,515	6°	2,845	145	3,530	10°	2,270	155	3,535	10°	2,280	160	3,515	12°	2,425	150
	5,015	6°	3,095	145	4,030	10°	2,620	155	4,035	10°	2,630	160	4,025	12°	2,780	150
					4,530	6°	2,870	155	4,535	6°	2,880	160	4,530	6°	3,035	150
					5,030	6°	3,120	155	5,035	6°	3,130	160	5,040	6°	3,290	150
Duplex0	3,305	10°	2,150	1,225	2,980	10°	1,995	1,075	3,060	10°	2,130	1,075	3,005	12°	2,100	880
	3,505	10°	2,250	1,325	3,570	10°	2,370	1,450	3,360	10°	2,280	1,225				
	4,105	6°	2,600	1,675	4,170	6°	2,720	1,800	3,560	10°	2,380	1,325				
									4,160	6°	2,730	1,675				
Triplex	4,000	6°	1,820	925	4,330	6°	2,040	1,120	4,320	6°	2,050	995	4,160	6°	2,090	870
	4,500	6°	2,015	1,125	4,570	6°	2,120	1,200	4,560	6°	2,130	1,075	4,545	6°	2,215	995
	4,800	6°	2,120	1,225	5,020	6°	2,270	1,350	5,010	6°	2,380	1,325	4,925	6°	2,345	1,125
	5,100	6°	2,220	1,325	5,670	6°	2,520	1,600	6,010	6°	2,880	1,825	6,090	6°	2,825	1,605
	5,400	6°	2,320	1,425	6,020	6°	2,720	1,800								
	6,000	6°	2,570	1,675												

Model	J1.50-1.75HEX				J2.00-2.50HEX			
	MFH	Back	OLH ¹	Free Lift ²	MFH	Back	OLH ¹	Free Lift ²
Mast Type	mm	Tilt	mm	mm	mm	Tilt	mm	mm
Simplex	3,030	10°	1,995	155	3,330	10°	2,180	155
	3,530	10°	2,270	155	3,530	10°	2,280	155
	4,530	6°	2,870	155	4,030	10°	2,630	155
	5,030	6°	3,120	155	4,530	6°	2,880	155
					5,030	6°	3,130	155
Duplex	3,370	10°	2,270	1,350	2,980	10°	2,005	1,075
	3,570	10°	2,370	1,450	3,570	10°	2,380	1,450
	4,170	6°	2,720	1,800	4,170	6°	2,730	1,800
Triplex	4,120	6°	1,970	1,050	4,330	6°	2,050	1,120
	4,570	6°	2,120	1,200	4,570	6°	2,130	1,200
	5,020	6°	2,270	1,350	5,020	6°	2,280	1,350
	5,320	6°	2,370	1,450	5,670	6°	2,530	1,600
	5,670	6°	2,520	1,600	6,020	6°	2,730	1,800
	6,020	6°	2,720	1,800				

¹ OLH, Overall Lowered Height shown are with Single Drive Tyres

Add 5mm for Dual Drive Tyres.

² Free Lift with 1070mm high load backrest



STRONG PARTNERS. TOUGH TRUCKS.

Product Features

- J1.50-J4.00EX (standard chassis).
- J1.50-J2.50HEX (large battery chassis).

New AC technology

- Faster acceleration, higher travel speeds.
- 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.
- Lower operating costs.
- Longer battery life.

Superb Stability

- Drop down Battery Box (DBB) design gives lower center 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.



Ergonomics

- Comfort and support via a fully adjustable seat with optional full suspension seat.
- Slimline mast channels provide greater visibility.
- Automotive style controls including steering column mounted gear selector and self-cancelling indicators.
- Easy reach control levers mounted next to the operator's seat.
- Spacious operator compartment with clear footwell and generous overhead clearance.
- Optimised steering wheel size and offset location.
- Electro-hydraulic speed sensitive power steering with optional steering synchroniser.

Multi-Display Panel

- LCD screen for improved visibility and ease of operation, hour meter (total and functional), travelling speed, distance travelled, digital clock, warning indicators, Battery Discharge Indicator (BDI) and Power mode selector.



Service and Maintenance

- Designed for easy access to vital components for inspection and replacement. Removable floor plate, gas strut with lock function on the battery cover to aid maintenance, maintenance free AC motors.



Features

- Choice of battery sizes.
- 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, 3 phase, 50/60 Hz, 200-230 volts only.

Optional Features

- Full suspension seat.
- Integral sideshift.
- Freezer construction.
- Individual keypad entry for the operator.
- Steering synchroniser (standard on 3 to 4 ton models).
- Battery roller available on all J - HEX models.

J1.50-J4.00EX, J1.50-J2.50HEX

Pneumatic Tyre Battery Electric AC Powered

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