Electric Forklift Trucks
Capacity 8000, 9000 and 10000 lb.
RX60-40, RX60-45, and RX60-50

SERIES RX60

Linde Material Handling

Safety

Excellent visibility of the load and through the mast, a key element for forklift safety, is accomplished with a unique rail design and with two free lift cylinders instead of one. This translates into a drastically improved field of vision. To safely adapt to operating conditions and customer requirements, performance parameters are adjustable. The "ramp hold" function automatically keeps the truck in position on a grade without the operator stepping on the brake.

Unmatched Performance

The new rail design also strengthens the mast and limits deflection, resulting in a superior residual capacity. Fast travel speed of 12 mph and lift speed of 100 fpm, enable this truck to operate in place of engine powered units. To negotiate rail-road crossings, curbs, steep ramps or other obstacles, the truck features an automatic power boost. The boost briefly activates when the system senses demand.

Ergonomic Excellence

Power and durability mean very little if driver fatigue becomes a problem. That's why we designed the RX60 to minimize strain on the operator throughout the demanding work day. A multitude of features such as low noise level, floating operator compartment, tilted floor board, fully adjustable suspension seat, and adjustable steering column are all part of the comprehensive ergonomic design with the sole purpose of keeping the operator comfortable and secure.

Designed-in Durability

Durability is a Linde design objective. All components and assemblies are tested to meet rigorous longevity standards. The heavy duty cast ductile iron steer axle represents a robust structure. Major electrical component placement inside the counterweight offers protection. Naturally occurring heat during operation dissipates into the counterweight. Thermal protectors monitor components and limit performance in case of high temperature.

Standard and optional equipment

Standard equipment:

- 80 volts electrical system
- Dual pedal directional control
- SE drive and steer tires
- Floating operator compartment (shock mounted)
- High comfort suspension seat
- Quick-set parking brake
- 3-Function valve with "fingertip control" handles and armrest
- Headlights

Options:

- Single pedal directional control
- Non marking tires
- Traction speed reductions
- Simple masts
- Triple masts
- 4-Function valve with "fingertip control" handles and armrest
- Full cab heater/defroster
- Dual tires

Other options available on request

Technical data

October 2009

Characteristics	1.1	Manufacturer		Linde
	1.2	Model designation		RX60-40
	1.3	Power unit: battery, diesel, gasoline, LP gas, AC		Battery
	1.4	Operation: manual, pedestrian, rider standing, rider seated, order picker		Rider seated
	1.5	Load capacity	Q lb (kg)	8000 (4000)
	1.6	Load center (axle center to fork face)	c in (mm)	24 (500)
	1.8	Load distance (front overhang)	x in (mm)	20.7 (525)
	1.9	Wheelbase	y in (mm)	79.6 (2021)
Weight	2.1	Service weight with min. battery	lb (kg)	14249 (6477)[2]
	2.2	Axle loading with load, front/rear	lb (kg)	20451/2598 (9296/1181)
	2.3	Axle loading without load, front/rear	lb (kg)	7189/7059 (3268/3209)
Wheels & Tires	3.1	Tire type - front/rear: C (cushion), SE (cushion super elastic), P (pneumatic)		SE[4]
	3.2	Tire size: front	in (mm)	250 - 15
	3.3	Tire size: rear	in (mm)	21 x 8 - 9
	3.5	Wheels: number front/rear (x = driven)		2 x / 2
	3.6	Track width, front	b10 in (mm)	40.6 (1030)
	3.7	Track width, rear	in (mm)	36.2 (920)
Dimensions	4.1	Mast/fork carriage tilt: forward/back	degrees	3.0/9.0
	4.2	Height of mast lowered	h1 in (mm)	See mast table
	4.3	Free lift	h2 in (mm)	See mast table
	4.4	Lift	h3 in (mm)	See mast table
	4.5	Height of mast extended	h4 in (mm)	h3+48"
	4.7	Height of overhead guard/cab	h6 in (mm)	91.4 (2322)
	4.8	Height of seat	h7 in (mm)	49.3 (1251)
	4.12	Height of tow coupling	h10 in (mm)	21.5/16.6 (546/421)
	4.19	Overall length, with 42" forks	in (mm)	155.7 (3953)
	4.20	Length to fork face	l2 in (mm)	113.7 (2886)
	4.21	Overall width	b2 in (mm)	49.4 (1256)[3]
	4.22	Fork dimensions	s/e/l in	2x5x42[4]
	4.23	Fork carriage: class		3A
	4.24	Width of fork carriage	b3 in (mm)	47.2 (1200)
	4.31	Ground clearance under mast, with load	m1 in (mm)	5.9 (150)
	4.32	Ground clearance, center of wheelbase	m2 in (mm)	5.8 (147)
	4.33	Aisle width, with 48" load	Ast in (mm)	174.3[1] (4428)[1a]
	4.34	Aisle width, with other load lengths	Ast in (mm)	118.4[1] (3008)[1b]
	4.35	Turning radius	Wa in (mm)	97.8 (2483)
Performance	5.1	Travel speed, with/without load	mph (km/h)	11.8/12.4 (19.0/20.0)
	5.2	Lifting speed, with/without load	fpm (m/s)	78.7/108.3 (0.4/0.55)
	5.3	Lowering speed, with/without load	fpm (m/s)	108.3/90.6 (0.55/0.46)
	5.5	Tractive force, with/without load	lbs (N)	848/987 (3770/4390)
	5.6	Maximum tractive force, with/without load (5 min. rating)	lbs (N)	3583/3628 (15940/16140)
	5.7	Climbing ability, with/without load (electric, 30 min. rating)	%	11.3/17
	5.8	Maximum climbing ability, with/without load (5 min. rating)	%	15.5/25.9
	5.10	Service brake		Electric/Mechanical
Drive	6.1	Drive motor (60 min. rating)	hp (kW)	20 (15)
	6.2	Lift motor (15% rating)	hp (kw)	34 (25)
	6.3	Battery voltage	V	80
	6.4	Battery dimension (maximum)	in	40.04 x 40.95 x 33.43[5]
	6.5	Battery weight (US battery) minimum/maximum	lbs	3902/5042
Other	8.2	Working pressure for attachments	psi (bar)	3623 (250)
	8.3	Oil flow for attachments	gal/min (l/min)	7.9 (30)
	8.5	Tow coupling design type		Pin

[1a] Includes 48" load and 8" operational clearance

[1b] Plus length of load, plus at least 8" for operational clearance

[2] With 91/117.5 simple mast. Add 440 lbs. for 92.5/182.5 triple mast

[3] 66.1" wide with optional dual tires

[4] Capacity ratings can be affected by changing forks, load center, and/or drive tires

[5] Height with battery slides 32.43"

Linde	Linde
RX60-45	RX60-50
Battery	Battery
Rider seated	Rider seated
9000 (4500)	10000 (5000)
24 (500)	24 (500)
20.7 (525)	20.7 (525)
79.6 (2021)	79.6 (2021)
14944 (6793)[2]	15653 (7115)[2]
22246/1181 (10112/1181	23944/2686 (10884/1221)
7323/7618 (3329/3463)	7398/8254 (3363/3752)
SE[4]	SE[4]
28 x 12.5 - 15	28 x 12.5 - 15
21 x 8 - 9	21 x 8 - 9
2 x / 2	2 x / 2
43.5 (1104)	43.5 (1104)
36.2 (920)	36.2 (920)
3.0/9.0	
See mast table	See mast table
See mast table	See mast table
See mast table	See mast table
h3+48"	h3+48"
91.3 (2320)	91.3 (2320)
49.2 (1249)	49.2 (1249)
21.5/16.6 (546/421)	21.5/16.6 (546/421)
155.7 (3953)	155.7 (3953)
113.7 (2886)	113.7 (2886)
55.1 (1399)[3]	55.1 (1399)[3]
2x5x42[4]	2x6x42[4]
3A	3A
51.6 (1310)	51.6 (1310)
5.9 (150)	5.9 (150)
5.7 (145)	5.7 (145)
174.3[1] (4428)[1a]	174.3[1] (4428)[1a]
118.4[1] (3008)[1b]	118.4[1] (3008)[1b]
97.8 (2483)	97.8 (2483)
11.8/12.4 (19.0/20.0)	11.8/12.4 (19.0/20.0)
74.8/90.6 (0.38/0.46)	65.0/90.6 (0.33/0.46)
108.3/90.6 (0.55/0.46)	108.3/90.6 (0.55/0.46)
814/1005 (3620/4470)	809/989 (3600/4400)
3559/3631 (15830/16150)	3559/3631 (15830/16150)
9.5/16.8	8.8 / 15.8
14.3/24.6	13.2 / 23.4
Electric/Mechanical	Electric/Mechanical
20 (15)	20 (15)
34 (25)	34 (25)
80	80
40.04 x 40.95 x 33.43[5]	40.04 x 40.95 x 33.43[5]
3902/5042	3902/5042
3626 (250)	3626 (250)
7.9 (30)	7.9 (30)
Pin	Pin

Capacity*

RX60-40

2″ x 5″ x 42″ Forks **
Single SE Drive Tires **

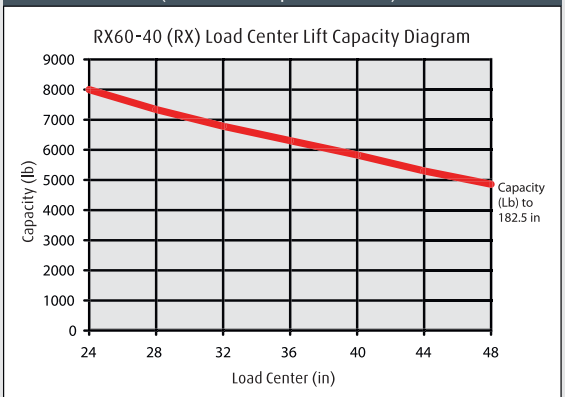
Mast Capacity Table

h1	h3	h2		Capacity (lb) @ 24″ Load Cente	
				Std. Carriage*	Integral SS Carriage*
91.0	117.5	00.0	Simple	8000	7410
100.5	137.0	00.0	Simple	8000	7410
92.5	182.5	63.5	Triple	8000	7340
98.5	200.0	69.5	Triple	8000	7135
102.5	212.0	73.0	Triple	8000	6930
110.5	235.5	81.0	Triple	7680	5975

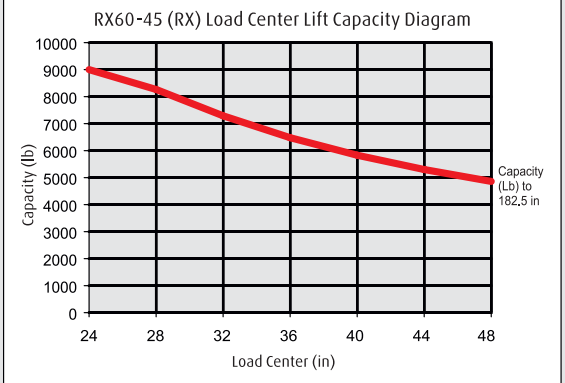
Downrating Charts*

Reference SE tires with standard carriage and forks only

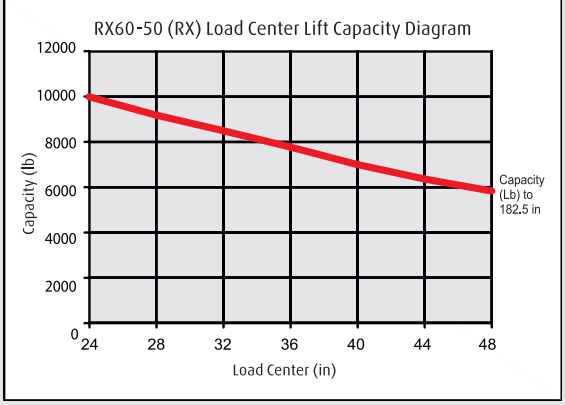
RX60-40 (182.5 Triple Mast)



RX60-45 (182.5 Triple Mast)



RX60-50 (182.5 Triple Mast)



orks **
e Tires **

@ 24″ Load Center [4]

Integral SS Carriage*	Hang-on SS Carriage*
7410	7330
7410	7330
7340	7330
7135	7135
6930	6930
5975	5975

RX60-45

2″ x 5″ x 42″ Forks **
Single SE Drive Tires **

Capacity (lb) @ 24″ Load Center [4]

Std. Carriage*	Integral SS Carriage*	Hang-on SS Carriage*
9000	8440	8275
9000	8440	8275
9000	8300	8275
9000	8030	8030
8665	7760	7760
7805	6275	6275

RX60-50

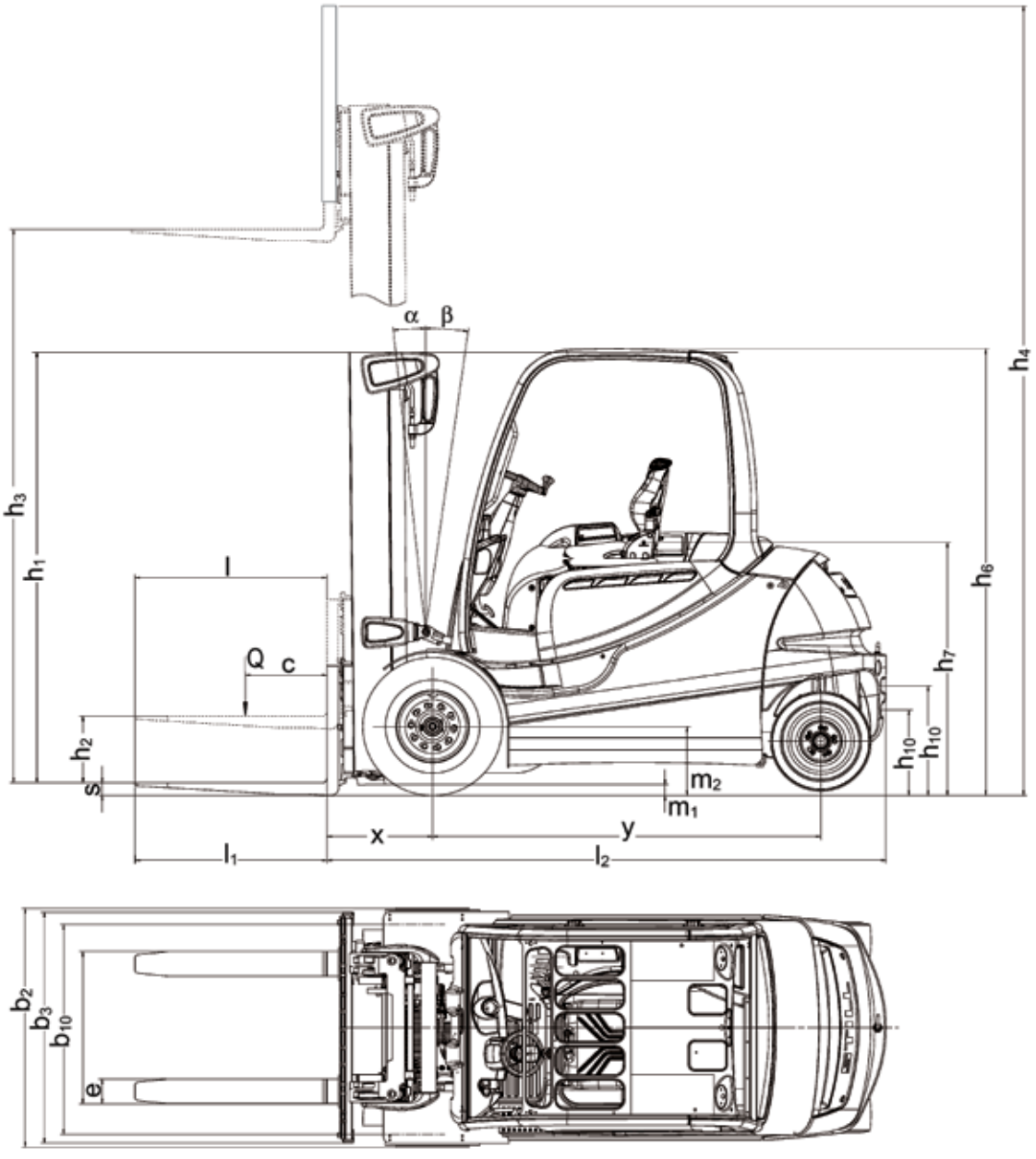
2″ x 6″ x 42″ Forks **
Single SE Drive Tires **

Capacity (lb) @ 24″ Load Center [4]

Std. Carriage*	Integral SS Carriage*	Hang-on SS Carriage*
10000	9345	9210
10000	9345	9210
10000	9075	9075
9610	8800	8800
9365	8530	8530
7575	6365	6365

* For quick reference only, contact factory for detailed ratings. ** Capacity ratings can be affected by changing forks, load center, and/or drive tires.

nly



Versatile & Energy Efficient

Both indoor and outdoor operations are no problem for the RX60. When equipped with a full cab and an electric heater the RX60 functions in inclement weather like an engine truck. On the other hand, fitted with cold storage equipment, it also will work in freezers with temperatures as low as -20 degrees Fahrenheit. The use of the dual front tires will add additional stability for wide loads or at high lift heights.

While versatile in a variety of operating conditions the truck is also very efficient. With the highly effective energy return system battery life can be extended by up to 15%. As previously highlighted all high voltage components are mounted to the counterweight. This design limits energy use while simultaneously extending component life.

Low Maintenance

All machines require maintenance but the RX60 needs it only every 1000 hours. Design features like, automatic deceleration, dual independent CAN-bus control systems, maintenance free brakes and continuous on-board diagnostics make it even easier to keep the RX60 in perfect working condition. The three phase AC system operates without brushes and is completely sealed, extending component life and reducing maintenance expense.

Features

80 Volts electrical system
→ AC technology
→ Enclosed motors
→ Maintenance free

Linde dual travel control
→ Quick directional change
→ Short pedal stroke
→ No leg fatigue
→ Increased productivity

Energy efficiency
→ Excellent heat dissipation
→ Energy return system
→ Fully programmable

Low maintenance
→ Maintenance free multi-disc brakes
→ 1000 hour intervals
→ Continuos on-board diagnostics

Operator compartment
→ Adjustable steering column
→ Full graphic display
→ Floating suspension

Linde Truck Control (LTC)
→ Dual independent CAN-bus systems
→ Power boost
→ Automatic deceleration

Linde clearview mast
→ Superb visibility
→ Dual free lift cylinders
→ Exceptional residual capacity

Safety
→ Quick-set parking brake
→ Ramp hold
→ Side battery discharge

Linde Material Handling North America Corporation
2450 West 5th North Street, Summerville, SC 29483
Phone: (843) 875.8000 · Fax: (843) 875.8380
E-mail: trucksales@lmh-na.com · Web Site: www.lmh-na.com

Linde Material Handling

SRX60_Rev 03_1009_(M95489 / 1000)