

PRODUCTIVITY, FOR EVERYDAY WORK

3,500-4,400 lb. Capacity

MOVING MAST REACH TRUCK EQ LINE

CAT®

CONFIDENCE AT EVERY LIFT.



The NR16-EQL / NR20-EQL Moving Mast Reach Trucks are designed to help operators move product efficiently, confidently, and accurately in everyday warehouse environments. Combining solid lift performance, moving-mast stability, straightforward electronic controls, and operator-focused ergonomics, the NR16-EQL and NR20-EQL deliver the productivity, reliability, and value customers expect from the Cat® Lift Trucks EQ Line.

RESPONSIVE BRAKING PERFORMANCE

The NR16-EQL and NR20-EQL combine hydraulic and electromagnetic braking systems for dependable stopping performance.

Benefits include:

- Smooth truck deceleration
- Short braking distances
- Excellent control on ramps and level surfaces
- Consistent operator confidence throughout the shift

EFFICIENT LIFTING & LOWERING

Performance specifications include:

- Travel speeds up to 10.5 km/h
- Lift speeds up to 0.50 m/s unloaded
- Lowering speeds up to 0.45 m/s
- Gradeability up to 15%

Helping operators move more pallets and maximize throughput throughout the day.

EXCELLENT LOAD CONTROL

Fork Tilt Functionality

Integrated fork tilt capability helps support:

- Excellent load stability at elevation
- Operator confidence
- Accurate pallet placement
- Reliable load retrieval and put-away performance

INTELLIGENT STABILITY CONTROLS

The NR16-EQL and NR20-EQL utilize integrated control systems that help maintain safe and predictable truck operation throughout the lift cycle. Advanced Safety Functions

- Automatic travel speed reduction at elevated lift heights
- Turning speed reduction control
- Lift height limit protection
- Mast reach-end deceleration control
- Motor temperature monitoring and protection
- Motor current monitoring and protection

Together, these systems help support confident operation when placing and retrieving loads at height.

Advanced Operator Features

- AC drive, hydraulic, and steering motors
- Electronic Power Steering (EPS) system
- Selectable 180° and 360° steering modes
- Electro-hydraulic proportional controls
- Color LCD operator display
- CANBus communication architecture
- Regenerative braking technology
- Optional side shift, camera system, and height preselect features

KEY ADVANTAGES:

- 3,500 lb (NR16-EQL) and 4,400 lb (NR20-EQL) capacities
- Lift heights up to 374" (9.5m)
- Moving mast reach design for enhanced visibility and precise load positioning
- Fork tilt functionality for improved load control at height
- Reach distances up to 23.4"
- Travel speeds up to 10.5 km/h (6.5 mph)

OPERATOR-FOCUSED ERGONOMICS

The spacious operator compartment includes:

- Adjustable steering wheel
- Adjustable control console
- Suspension seat with backrest and seat belt
- Fingertip hydraulic controls
- Ergonomic layout for improved operator comfort

Designed to help reduce fatigue and maintain productivity across extended shifts.

FLEXIBLE CONFIGURATION OPTIONS

Available options include:

- Integrated side shift
- Electronic height preselect system
- HD camera system
- Side battery extraction

Allowing the truck to be configured for a wide variety of warehouse applications.





Factory warranty for added protection



Custom financing packages



Local service and support



Genuine OEM parts

MORE CONFIDENCE

Local Support You Can Count On

A Cat lift truck purchase connects you to a variety of material handling solutions, including world-class service and support from your local, trusted dealer. With trained service technicians, a diverse parts inventory and a broad selection of service options, your local dealer can help you lower costs, enhance productivity and more efficiently manage your business.

FINANCING MADE SIMPLE

Financing your next Cat lift truck is easy with our wide range of flexible leasing and purchasing options. Whether you want to finance or lease, your local Cat lift truck dealer can help customize a package for your business.

WHEN EVERY PART COUNTS

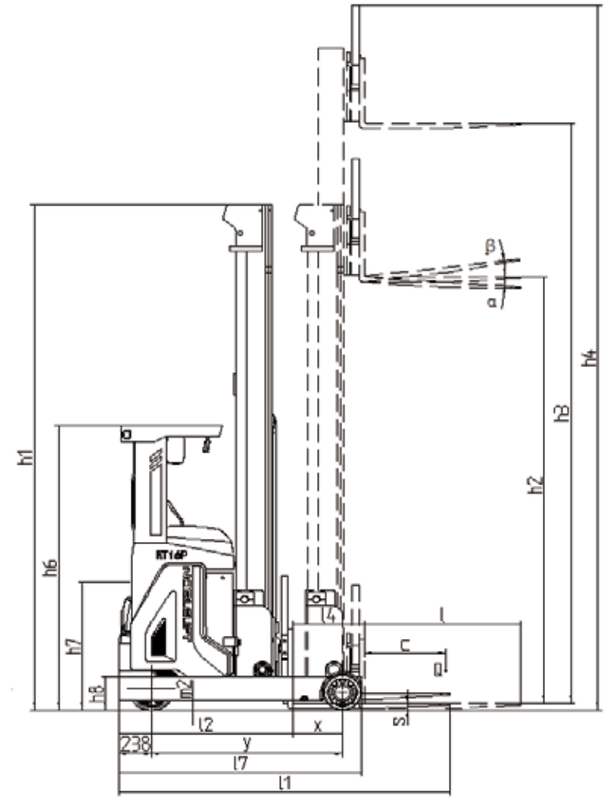
When buying from your local Cat lift truck dealer, you can rest assured that your genuine OEM parts are manufactured to meet original equipment criteria. Additionally, all Cat lift trucks OEM parts come with a six-month, unlimited-hours warranty.

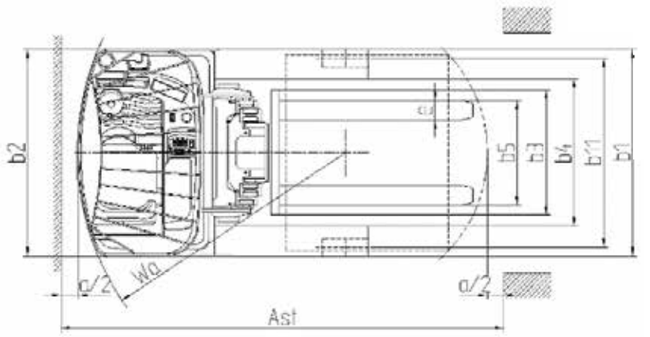
When speed is critical, our Parts Fast Or Parts Free Guarantee* ensures next-business-day delivery of all Cat lift trucks parts, or they're free, including freight. If your part doesn't come in by the next business day, we pay for it.

STANDING BEHIND OUR PRODUCTS

We deliver peace of mind by helping your lift trucks stay on the job. Every new Cat lift truck is covered by a 1-year / 2,000-hours warranty that includes parts and labor, as well as components and systems. With our standard 2-year / 4,000-hours extended powertrain warranty, you'll have the confidence that only comes from owning a Cat lift truck.

Call-out numbers shown in the diagram correspond to the first column of the specifications chart.





Safety Standards

These trucks are CE certified and meet the applicable European safety requirements.

Specifications, equipment, technical data, photos and illustrations based on information at time of printing and subject to change without notice. Some products may be shown with optional equipment.

	Characteristics			NR16-EQL		NR20-EQL	
1	Capacity at rated load center	lb	*kg*	3,527	*1,600*	4,409	*2,000*
2	Capacity at load center – distance	in	*mm*	23.6	*600*	23.6	*600*
3	Power – electric, diesel, gasoline or LP gas			electric		electric	
4	Type of operation(hand,pedestrian,standing,seated,order-picker)			seated		seated	
5	Load distance, center of drive axle to fork	in	*mm*	14.4 / 6.9	*365/176*	15.6 / 7.9	*395/200*
6	Wheelbase			2x/2		2x/2	
	Dimensions			**NR16-EQL**		**NR20-EQL**	
7	Mast/fork carriage tilt forward/backward	deg		4 degrees /-2 degrees		4 degrees /-2 degrees	
8	lowered mast height	in	*mm*	153.5	*3,900*	153.5	*3,900*
9	Free lift	in	*mm*	129.5	*3,290*	129.5	*3,,290*
10	Lift height	in	*mm*	374.0	*9,500*	374.0	*9,500*
11	Extended mast height	in	*mm*	409.8	*10,410*	409.8	*10,410*
12	Overhead load guardheight	in	*mm*	86.6	*2,200*	86.6	*2,200*
13	Seat height/standing height	in	*mm*	37.8	*960*	37.8	*960*
14	Height of support legs	in	*mm*	10.6	*270*	10.6	*270*
15	Height of lowered forks	in	*mm*	1.6	*40*	1.6	*40*
16	Overall length	in	*mm*	95.0	*2,,412*	98.0	*2,488*
17	Length to face of forks	in	*mm*	50.1	*1,273*	52.7	*1,338*
18	Overall width	in	*mm*	50.0	*1,270*	50.0	*1,270*
19	Fork dimensions	in	*mm*	1.4x3.9x45.3	*35/100/1,150*	1.6x4.7x45.3	*40/120/1150*
20	Fork carriage ISO 2328, class/type A, B			2A		2A	
21	Width across forks	in	*mm*	7.9-29.1 / 7.9-32.2	*200-740 / 200-818*	9.4-20.1 / 9.4-32.2	*240-740 / 240-818*
22	Distance between support legs	in	*mm*	35.4	*900*	35.4	*900*
23	Reach distance	in	*mm*	20.7	*525*	23.4	*595*
24	Ground clearance ,laden,under mast	in	*mm*	3.5	*90*	3.5	*90*
25	Ground clearance,centre of wheelbase	in	*mm*	3.0	*75*	3.0	*75*
26	Aisle width for pallets I OOOx 1200 crossways	in	*mm*	107.1	*2,720*	111.8	*2,840*
27	Aisle width for pallets 800x 1200 lengthways	in	*mm*	109.4	*2,780*	114.2	*2,900*
28	Turning radius	in	*mm*	65.0	*1,650*	68.9	*1,750*
29	Length across support legs	in	*mm*	70.1	*1,780*	74.8	*1,900*
	Performance			**NR16-EQL**		**NR20-EQL**	
30	Travel speed – loaded / empty	mph	*km/h*	6.5/6.5	*10.5/10.5*	6.5/6.5	*10.5/10.5*
31	Lift speed – loaded / empty	fpm	*m/s*	69/98	*0.35/ 0.5*	69/98	*0.35/ 0.5*
32	Lowering speed – loaded / empty	fpm	*m/s*	89/89	*0.45/0.45*	89/89	*0.45/0.45*
33	Reach speed, with/without load	lb	*N*	20/20	*0.1/0.1*	20/20	*0.1/0.1*
34	Gradeability – maximum loaded	%		10/15		10/15	
	Weight			**NR16-EQL**		**NR20-EQL**	
35	Empty (incl. battery)	lb	*kg*	8,731	*3,960*	9,304	*4,220*
36	Axle load, mast retracted without load, drive/support arm wheel	lb	*kg*	5,335/3,395	*2,420/1,540*	5,644/3,659	*2,560/1,660*
37	Axle load, mast extended with load, drive/support arm wheel	lb	*kg*	1,830/10,494	*830/4,760*	1,645/12,068	*746/5,474*
38	Axle load, mast retracted with load, drive/support arm wheel	lb	*kg*	4,630/7,628	*2,100/3,460*	5,004/8,708	*2,270/3,950*
	Chassis			**NR16-EQL**		**NR20-EQL**	
39	Type:solid rubber,superelastic,pneumatic,polyurethane			pu		pu	
40	Tires size, front	in	*mm*	13.5x5.5	*0343x 140*	13.5x5.5	*0343x 140*
41	Tires size, rear	in	*mm*	11.2x4.3	*0285 x 110*	13.0x4.3	*0330x 110*
42	Wheels,number front/rear(x-driven wheels)			1x/ 2		1x/ 2	
43	Track width,rear	in	*mm*	45.7	*1,160*	45.7	*1,160*
44	Service Brake			Hydraulic/electric		Hydraulic/electric	
	Motors			**NR16-EQL**		**NR20-EQL**	
45	Drive motor rating – S2 60 min	HP	*kW*	8.6/9.4	*6.4/7*	8.6/9.4	*6.4/7*
46	Lift motor rating at S3 15%	HP	*kW*	16.8	*12.5*	16.8	*12.5*
47	Battery type			lead acid / li-ion		lead acid / li-ion	
48	Battery voltage, nominal capacity K_5 - Lead-acid	V / Ah		48V /420, 560 option		48V /420, 560 option	
49	Battery weight	lb	*Kg*	1,653	*750*	2.094	*950*
	Other			**NR16-EQL**		**NR20-EQL**	
50	Drive control	type		AC		AC	
51	Noise level – mean value at operator's ear Leq	dB(A)		68		68	



Operator Focused Design

Built for Tight Aisles

The Electronic Power Steering system provides responsive handling and precise maneuverability.
Features include:

- Light steering effort
- Automatic steering centering
- Selectable 180° steering mode
- Selectable 360° steering mode
- Excellent maneuverability in narrow operating environments

CANBus Electronics

The NR16-EQL and NR20-EQL feature CANBus communication technology for streamlined diagnostics and dependable system performance.

Benefits include:
- Simplified troubleshooting
- Faster service diagnostics
- Improved electrical reliability
- Reduced maintenance complexity

Helping maximize uptime and operational efficiency.

Reliable AC Performance

The NR16-EQL and NR20-EQL utilize AC-powered drive, lift, and steering systems designed to deliver efficient, maintenance-friendly performance.

Benefits include:
- Smooth acceleration and travel control
- Responsive lift performance
- Reduced maintenance requirements
- Long component service life

NOTE: These specifications assume the use of drive axles, tires and tilt angles specified. Any modification to specifications, or any other combination of specifications made after the shipment of the truck, requires prior written approval from Logisnext Americas Inc. (See ANSI/ITSDF B56.1.) Also be advised that overall operating visibility may be affected by the mast configuration and mast options of your truck. Therefore, you may need to add ancillary [auxiliary] devices or modify your operating practices. Consult your dealer for further information.



Your Cat lift truck dealer can provide additional options and features to specialize your lift truck for your unique application. Operator training and custom financing programs are also available to help find the right fit for your business.

Helping move businesses forward – that's how we're built.

1-800-CAT-LIFT | www.logisnextamericas.com/cat

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