



# OUTSTANDING PERFORMANCE

**1400 – 2000 KG CAPACITY  
PANTOGRAPH REACH TRUCKS**



# REACH HIGHER, MOVE MORE WITH MORE COMFORT



## Rediscovering Productivity

The Cat® NR15-ND18 pantograph reach truck series features excellent lift speeds with high capacity retention and the NR23LN-ND18LN wide chassis model offers an optional multifunction control handle for operator preference and the capability of sit-down operation.

### **The Result?**

The ability to significantly increase your throughput with a reach truck designed for comfort, longevity, efficient maneuverability and confident control.





#### ADVANTAGES TO YOU:

- 1400 – 2000 kg lift capacities
- Some of the fastest lift speeds in the industry - up to 0.84 meters/second
- Tough mast design with lift heights above 11 meters
- Sit-down operation capability for sustained comfort all shift long on wide chassis models
- Advanced AC motor technology for lower energy consumption
- Longer run times
- Intuitive controls for efficient handling
- Excellent stability for confident control

#### LITHIUM-ION AVAILABILITY:

- Greater power efficiency
- Run for 24 hours a day, 7 days a week with opportunity charging
- Zero battery maintenance
- No watering
- No more battery exchanges
- No gas emissions, odor or acidification
- No special charging areas or equipment needed
- Longer lasting life cycles (up to 3,000)
- 5-year warranty on batteries
- 2-year warranty on chargers



# OPTIMIZED PRECISION SUPERIOR COMFORT



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## Rewriting The Standards

Cat lift trucks are designed with advanced AC technology to provide unique efficiencies and maximum uptime. The NR15-ND18 and NR23LN-ND18LN line of reach trucks help you move more product with more run time and greater comfort.

### POWERFUL AND DEPENDABLE DESIGN

- Advanced AC motors deliver higher performance levels, while consuming less energy.
- Sealed components offer greater reliability and help keep maintenance costs under control.
- Advanced regenerative braking returns kinetic energy to the battery when the truck slows down or reverses, leading to longer run times and greater throughput.

### CONFIDENT HANDLING OF LOADS

These pantograph reach trucks provide superior load handling at high lift heights above 11 meters.

- With our exclusive ProTrac® suspended articulating axle, load weight is evenly balanced, leading to greater load stability on turns and when working in high lift heights.
- The sturdy mast is designed with cushioning at all mast stage transitions for smooth operation.
- Dual-articulating load wheels provide greater contact with the floor for more load force distribution.
- Industry-leading lift speeds, up to 0.84 meters/second, result in faster pickup and placement of loads.
- Automatic speed reduction and automatic parking brake provide additional control during operation.

### CUSTOMIZE YOUR PERFORMANCE:

#### Three programmable performance levels

These pre-set performance levels provide greater flexibility and control, allowing you to adapt your settings for your specific application.

- **Program 1** - Ideal for transporting fragile goods or traveling in congested environments.
- **Program 2** - Presets average speeds to maximize uptime.
- **Program 3** - For use in applications that require maximum acceleration, throughput and travel/lift speeds.

\*Customized performance settings may be available.  
Please contact your local dealer for full details.



Compact motor compartment for easy service



# MADE FOR COMFORT FOCUSED ON EASE OF OPERATION

## Get More From Your Work Day

Designed with ergonomic features to maximize operator comfort and control, the NR15-ND18 and NR23LN-ND18LN series makes it easier for operators working long shifts – while increasing productivity.



### MORE CONTROL WITH SMOOTH AND QUIET OPERATION

Designed for a smooth, quiet ride, this reach truck series provides key features for greater comfort and less fatigue:

- Multifunction control handle options provide flexibility for drivers to operate the truck with the control handle they are most familiar with
- Pantograph system features extensive cushioning for smooth lowering and better protection of valuable loads



### ENHANCED AWARENESS

The premium operator LCD display panel features key information in one easy-to-access location:

- Battery discharge and drive wheel direction indicators keep operators aware of their lift truck's performance at all times
- The optional tilt position assist and lift height indicator help operators remain informed and in control



### CONFIDENT OPERATION

Smart designs that help improve productivity and comfort:

- Excellent maneuverability, outstanding visibility through the mast, to lifted loads through overhead guard, and all around
- Sit-down operation on the wide chassis models helps to provide even more comfort for operators, especially on long shifts



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**Small, ergonomically-positioned steering wheel** for precise and relaxed handling

**Multifunction control handle** allows for regulation of multiple truck functions in the palm of your hand

**Soft rubber back, arm and knee cushions** encircle operators in comfort

**Ergo-cushioned floor mat** reduces operator fatigue

**Low-entry step height** for easy entry and exit

## **Ergonomically-Designed For Maximum Comfort**

The reach truck's spacious operator cabin is loaded with features to increase comfort and convenience, including sit-down operation capability on wide chassis models. Less fatigue and easy handling make for a more productive work day.





Local service and support



Genuine OEM parts



Custom financing packages

# MORE CONFIDENCE







Factory warranty for added protection



## 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 truck OEM parts come with a six-month, unlimited-hours warranty.

### 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.

<sup>†</sup> Programs may be subject to change without notice and may vary by region.  
Please ask your local Cat lift truck dealer for complete terms and conditions.

## 10 Specifications

Characteristics				NR15		NR18		NR20		NR23	
1	Type			Single Reach		Single Reach		Single Reach		Single Reach	
2	Power voltage			36		36		36		36	
3	Capacity at rated load center	lb	kg	3,000	1,400	3,500	1,600	4,000	1,810	4,500	2,040
4	Capacity load center – distance from fork face	in	mm	24	600	24	600	24	600	24	600
Dimensions				NR15		NR18		NR20		NR23	
5	Maximum fork height	in	mm	450	6,147	450	11,430	450	11,430	450	11,430
6	Free fork height	in	mm	59	1,500	59	1,500	59	1,500	59	1,500
7	Fork width	in	mm	3.9	100	3.9	100	3.9	100	3.9	100
8	Fork thickness	in	mm	1.6	40	1.6	40	1.6	40	1.6	40
9	Fork spacing - out-to-out minimum	in	mm	12	305	12	305	12	305	12	305
10	Fork spacing - out-to-out maximum <sup>1)</sup>	in	mm	31.5	802	31.5	802	31.5	802	31.5	802
11	Tilt angle - forward / backward	deg		3° / 4°		3° / 4°		3° / 4°		3° / 4°	
11a	Reach stroke	in	mm	24	610	24	610	24	610	24	610
12	Mast width <sup>2)</sup>	in	mm	30.2	766	30.2	766	32.2	816	32.2	816
13	Baseleg opening	in	mm	33-49	839 - 1,245	33-49	839 - 1,245	33 - 49	839 - 1,245	33 - 49	839 - 1,245
14	Baseleg width <sup>3)</sup>	in	mm	5.5	140	5.5	140	5.5	140	5.5	140
15	Overall length	in	mm	74.1	1,932	74.1	1,932	76.1	1,932	76.1	1,932
16	Length to fork face	in	mm	52	1,397	52	1,397	55	1,397	55	1,397
17	Overall chassis width	in	mm	41.5	1,054	41.5	1,054	41.5	1,054	41.5	1,054
18	Overall lowered height	in	mm	107	2,720	107	2,720	107	2,720	107	2,720
19	Overall height to top of overhead guard	in	mm	95	2,413	95	2,413	95	2,413	95	2,413
20	Overall height with extended mast	in	mm	290	7,370	290	7,370	290	7,370	290	7,370
21	Step height	in	mm	9.8	250	9.8	250	9.8	250	9.8	250
22	Battery roller height	in	mm	7	178	7	178	7	178	7	178
23	Minimum outside turning radius	in	mm	68.74	1,797	68.74	1,797	70.74	1,797	70.74	1,797
24	Minimum aisle - 90° stack - zero clearance	in	mm	Please consult your Cat Lift Trucks dealer							
Performance				NR15		NR18		NR20		NR23	
26	Grade clearance <sup>5)</sup>	%		13		13		15.5		15.5	
27	Travel speed loaded / empty – standard <sup>6)</sup>	mph	km/h	6.8 / 7.5	11.0 / 12.1	6.8 / 7.5	11.0 / 12.1	6.8 / 7.5	12.1 / 12.1	7.5 / 7.5	12.1 / 12.1
28	Travel speed loaded / empty – high performance <sup>6)</sup>	mph	km/h	—	—	—	—	7.5 / 8.0	12.1 / 12.9	7.5 / 8.0	12.1 / 12.9
29	Lift speed loaded / empty – standard	fpm	m/s	100 / 128	0.51 / 0.65	100 / 128	0.51 / 0.65	75 / 120	0.38 / 0.60	75 / 120	0.38 / 0.60
30	Lift speed loaded / empty – high performance	fpm	m/s	—	—	—	—	90 / 165	0.45 / 0.83	90 / 165	0.45 / 0.83
31	Lower speed loaded / empty – standard	fpm	m/s	108 / 108	0.55 / 0.55	108 / 108	0.55 / 0.55	110 / 110	0.55 / 0.55	110 / 110	0.55 / 0.55
32	Lower speed loaded / empty – high performance	fpm	m/s	—	—	—	—	110 / 110	0.55 / 0.55	110 / 110	0.55 / 0.55
33	Gradeability - loaded / empty - maximum	%		9 / 9		9 / 9		9 / 9		9 / 9	
Weight				NR15		NR18		NR20		NR23	
36	Truck weight - empty - without battery	lb	kg	6,850	3,100	6,850	3,100	7,050	3,200	7,050	3,200
37	Battery weight - minimum	lb	kg	1,600	730	1,600	730	2,000	910	2,000	910
38	Battery weight - maximum	lb	kg	2,000	910	2,000	910	2,300	1,050	2,300	1,050
Chassis				NR15		NR18		NR20		NR23	
39	Chassis type (stand/sit)			Stand		Stand		Stand		Stand	
40	Wheelbase	in	mm	59.5	1,562	59.5	1,562	61.5	1,562	61.5	1,562
41	Ground clearance - center of wheelbase	in	mm	2.4	61	2.4	61	2.4	61	2.4	61
42	Ground clearance - lowest point at mast	in	mm	2.4	61	2.4	61	2.4	61	2.4	61
43	Tire size - steer	in	mm	13.5 x 5.5	343 x 140	13.5 x 5.5	343 x 140	13.5 x 5.5	343 x 140	13.5 x 5.5	343 x 140
44	Tire size - caster	in	mm	7 x 4	180 x 100	7 x 4	180 x 100	7 x 4	180 x 100	7 x 4	180 x 100
45	Tire size - load wheels	in	mm	5 x 3.62	127 x 92	5 x 3.62	127 x 92	5 x 3.62	127 x 92	5 x 3.62	127 x 92
46	Brake type			Electromagnetic Disc		Electromagnetic Disc		Electromagnetic Disc		Electromagnetic Disc	
Motors / Battery				NR15		NR18		NR20		NR23	
47	Traction / pump / steer motor type			AC Induction		AC Induction		AC Induction		AC Induction	
48	Traction motor output (60 minute rating) – standard	hp	kW	6.0	4.5	6.0	4.5	6.0	4.5	6.0	4.5
49	Traction motor output (60 minute rating) – high performance	hp	kW	—	—	—	—	9.2	6.9	9.2	6.9
50	Pump motor output (5 minute rating)	hp	kW	27.2	20	27.2	20	27.2	20	27.2	20
51	Steer motor output (60 minute rating)	hp	kW	1.0	0.7	1.0	0.7	1.0	0.7	1.0	0.7
52	Battery maximum capacity - A/H (6 hour rating)			1,120		1,120		1,120		1,120	
53	Battery compartment (length x width x height) <sup>7)</sup>	in	mm	14.25 x 38.42 x 31.65	362 x 976 x 804	14.25 x 38.42 x 31.65	362x976x804	16.25 x 38.42 x 31.65	413 x 976 x 804	16.25 x 38.42 x 31.65	413 x 976 x 804

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 Mitsubishi 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 lift 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](http://www.logisnextamericas.com/cat)**

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