ENERGIZE YOUR OPERATION

NO20N2
NO20N2P

NO25N2
NO25N2P

NO12N2F
NO12N2FP

SPECIFICATIONS

CENTER CONTROL RIDER 24V, 1.2 - 2.5 TONS

PEAK PRODUCTIVITY AT LOWER HEIGHTS

THE NO_N2 RANGE OF CENTER CONTROL RIDERS IS ALL ABOUT MAKING BEST USAGE OF ENERGY AS WELL AS DELIVERING THE BEST ENERGY-EFFICIENCY IN THE MARKET. ITS DESIGN MAXIMIZES YOUR OPERATOR'S PRODUCTIVITY AND LEADS TO FULL POWER TO YOUR WAREHOUSE OPERATION.

Building on the Responsive Drive System (RDS) technology pioneered in recent Cat® electric counterbalance trucks, the center control riders react rapidly to operator steering behavior and travel speed.

Their unique intelligent curve control constantly adjusts steering sensitivity, cornering speed and turning angle limitation to meet changing needs. The latest generation of controllers and software also optimizes acceleration, traction, regenerative braking and other characteristics for smooth, confident and enjoyable operation.

Along with its innovative, adjustable, effortless steering wheel and integrated ergonomic controls, each truck helps energize its user with a triple-suspension floor, comfortable backrest and plenty of unobstructed space.

Easy walk-through access and 'flying start' drive add further efficiencies, while low power consumption and durable construction reduce operating costs.

LOWER COST OF OWNERSHIP

- Integrated single-unit motor and gear design adds reliability and delivers excellent energy efficiency.
- Simplified one-piece main frame, with welded steel construction, is strong and durable.
- New design for fork carriage, linkages and levers reduces wear and roller damage, and prevents any linkage protrusion into the operator compartment.
- Forks are wide and reinforced for durability, while the fork carriage's smooth, flat front face prevents cutting or trapping of goods by sharp edges.
- Simple and quick accessibility of systems and components minimizes downtime.
- Display of service hours and battery status helps to keep operator informed at all times.

UNMATCHED PRODUCTIVITY

- Unique intelligent curve control reacts rapidly to operator steering behavior and travel speed – adjusting sensitivity, cornering speed and angle limitation to meet changing needs.
- Steering control characteristics are modified when reversing to allow for operator's sideways position and one-handed operation.
- Advanced traction control ensures smooth, rapid acceleration and prevents wheelspin and wear when driving on slippery surfaces or carrying heavy loads.
- Deceleration rate and stopping distance are easy to control and predict for perfect positioning, and are programmable using TruckTool.
- ECO and PRO driving modes can be selected according to the operator and application, and customized settings can also be applied to meet more specific requirements.
- Walk-by-side operation can be controlled via the steering wheel, with angles limited for safety, to improve view of fork tips (optional side-mounted controls are available).
- 'Flying start' function allows operator to begin acceleration from walk-beside position, before stepping onto the presence-detecting floor mat, for quicker access to drive.
- Spacious and unobstructed operator compartment, with non-slip mat, low step height and no tripping hazards, ensures quick walkthrough access.
- Bevelled fork tips and tandem load wheels enable rapid pallet and picking cage entry with less risk of damage.
- Class-leading fork lift height (up to 220 mm even in lowest-lifting models) enhances ground clearance of pallets and picking cages for fast, safe handling on loading docks and ramps.
- Range includes a variety of rising fork (F) and rising operator platform (P) models for different applications.

AWARENESS AND ERGONOMICS

- High-comfort, triple-suspension floor offers floating platform to dampen shocks and vibrations, sideways dampening to relax knees and ankles, and thick state-of-the-art matting to reduce microvibration.
- Angled footrest minimizes strain for seated (see options) and tall operators.
- Optimized backrest design gives maximum walk-through access width at hip level, easy passage for operators carrying goods, and secure leaning support during turns.
- Innovative steering wheel, with vibration damping, is effortless to operate with either hand and can be adjusted for height and angle to maximize comfort.
- Ergonomically shaped accelerator-triggers and other controls, integrated into steering wheel, are easily reached by operator without releasing grip.
- Top-of-steering-wheel hand positioning option enables comfortable and controlled reversing with reduced twisting of shoulders and wrists.
- Regenerative braking, optimized to eliminate swaying effect at full stop, combines with hill hold function and anti-lock brakes to aid smooth operation, and confidence in virtually all conditions.
- Storage space for operator equipment is provided in a rear compartment and in trays at the front (optional).

STANDARD EQUIPMENT AND OPTIONS

	NO20N2	NO20N2P	NO25N2	NO25N2P	NO12N2F	NO12N2FP
GENERAL						
Multifunctional steering wheel (electric 200°)	●	●	●	●	●	●
Power ON/OFF by Key switch	●	●	●	●	●	●
Hour meter & BDI	●	●	●	●	●	●
ECO/PRO mode	●	●	●	●	●	●
Drive speed reduction in curves	●	●	●	●	●	●
Maximum drive speed adjusted according to load weight	●	●	●	●	●	●
Floor mat acting as dead man's pedal	●	●	●	●	●	●
Crane battery change	●	●	●	●	●	●
Polyurethane wheels	●	●	●	●	●	●
Tandem load wheels polyurethane	●	●	●	●	●	●
Suspended operator's platform	●	●	●	●	●	●
Simultaneously driving and lifting of the forks	●	●	●	●	●	●
Ramp hold	●	●	●	●	●	●
Automatic parking brake	●	●	●	●	●	●
Lifting operator's platform, h=1000 mm (NO20N2P/25N2P, NO12N2FP	–	●	–	●	–	●
Lift height (h3 + h13) 220 mm (NO20N2/25N2, NO20N2P/25N2P)	●	●	●	●	–	–
Lift height (h3 + h13) 850 mm (NO12N2F, NO12N2FP)	–	–	–		●	●
Simultaneous driving and lifting of the operator's platform	–	●	–	●	–	●
Drive speed reduction when platform raised (4 km/h)	–	●	–	●	–	●
Drive speed reduction when forks raised (lift height > 300 mm)	–	–	–		●	●
ENVIRONMENT						
Cold store design, 0C° to -35C°	○	○	○	○	○	○
DRIVE / LIFT CONTROLS						
Walk-beside drive button in backrest, FWD/BWD	○	○	○	○	○	○
Buttons for lift/lower on sides of backrest	○	○	○	○	○	○
AWARENESS						
Blue point safety light towards driving direction (forks trailing)	○	○	○	○	○	○
Driving light towards driving direction (forks trailing)	○	○	○	○	○	○
Warning strobe, yellow	○	○	○	○	○	○
Drive alarm (programmable)	○	○	○	○	○	○
Fire extinguisher	○	○	○	○	○	○
WHEEL OPTIONS						
Polyurethane traction and load wheels	●	●	●	●	●	●
Power friction traction wheel	○	○	○	○	○	○
COLOR						
Special RAL color on front machinery steel cover	○	○	○	○	○	○

● Standard ○ Option

STANDARD EQUIPMENT AND OPTIONS

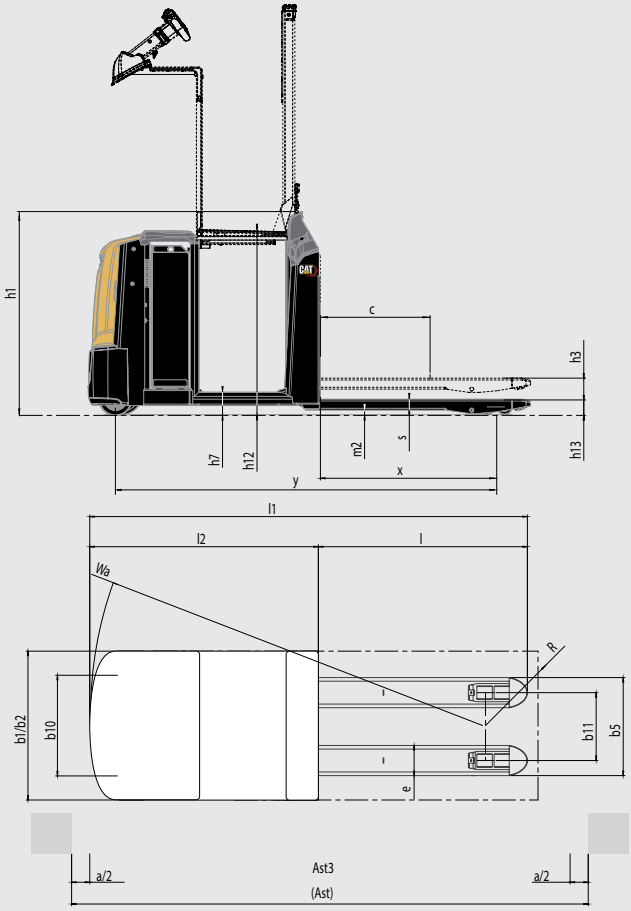
OTHER OPTIONS	NO20N2	NO20N2P	NO25N2	NO25N2P	NO12N2F	NO12N2FP
High drive speed 13 km/h (without load)	O	O	●	●	O	O
PIN code access with BDI display	O	O	O	O	O	O
PIN code access with color display	O	O	O	O	O	O
Color display without PIN code access	O	O	O	O	O	O
Walk-beside drive button in backrest, FWD/BWD	O	O	O	O	O	O
Buttons for lift/lower on sides of backrest	O	O	O	O	O	O
Accessory rail in front	O	–	O	–	O	–
Picking tray, for NO20/25N2P and NO12N2FP models only. Max. 50 kg	–	O	–	O	–	O
Scanner holder	O	O	O	O	O	O
Equipment holder (RAM mountings)	O	O	O	O	O	O
Wrapping holder	O	O	O	O	O	O
Load backrest	O	O	O	O	O	O
Rear grab handle on backrest	O	–	O	–	–	–
Foot switch for lowering the operator's platform	–	O	–	O	–	O
Sideways battery change	O	O	O	O	O	O
Clipboard, A4	O	O	O	O	O	O
Front storage boxes	O	–	O	–	O	–
Storage folder on bottom of the platform	–	–	O	–	O	–
Entry and exit rollers for crosswise pallet handling	O	O	O	O	–	–
Back cushion, tiltable to seat position for back & feet rest. Adjustable in height.	O	–	O	–	O	–
Power supply, 12 V	O	O	O	O	O	O
Power supply, USB 5 V	O	O	O	O	O	O
Heavy duty front nylon strip covered bumper	O	O	O	O	O	O
Raised front guard plate	O	O	O	O	O	O

● Standard O Option

	Characteristics				
1.1	Manufacturer (abbreviation)			Cat Lift Trucks	Cat Lift Trucks
1.2	Manufacturer's model designation			**N020N2**	**N020N2P**
1.3	Power source: (battery, diesel, LP gas, petrol)			Battery	Battery
1.4	Operator type: pedestrian, (operator)-standing, -seated			Stand-on	Stand-on
1.5	Load capacity	Q	(kg)	2000	2000
1.6	At load center	c	(mm)	600	600
1.8	Load distance	x	(mm)	960	960
1.9	Wheelbase [5]	y	(mm)	2054	2054
	Weight				
2.1	Truck weight without load, with maximum battery weight [1]		kg	1079	1215
2.2	Axle loadings with nominal load & maximum battery weight, drive/load side		kg	10/82/1997	1130/2085
2.3	Axle loadings without load & with maximum battery weight, drive/load side		kg	829/250	913/302
	Wheels, Drive Train				
3.1	Tires: PT=Power Thane, Vul=Vulkollan, drive/load side			Vul/Vul	Vul/Vul
3.2	Tire dimensions, drive side		(mm)	ø250	ø250
3.3	Tire dimensions, load side		(mm)	ø85	ø85
3.4	Castor wheel dimensions (diameter x width)		(mm)	ø180x65	ø180x65
3.5	Number of wheels, load/drive side (x=driven)		(mm)	4/ 1x1	4/ 1x1
3.6	Track width (center of tires), drive side	b10	(mm)	494	494
3.7	Track width (center of tires), load side	b11	(mm)	365	365
	Dimensions				
4.2	Height	h1	(mm)	1173	1394/2244
4.4	Lift height	h3	(mm)	135	135
4.5	Height with mast extended	h4	(mm)	–	–
4.8	Seat- or stand height	h7	(mm)	123	150
4.14	Platform height, raised	h12	(mm)	–	1000
4.15	Fork height, fully lowered	h13	(mm)	85	85
4.19	Overall length [5]	l1	(mm)	2421	2421
4.20	Length to fork face [5]	l2	(mm)	1271	1271
4.21	Overall width	b1/b2	(mm)	800	800
4.22	Fork dimensions (thickness, width, length)	s/e/l	(mm)	60 / 175 / 900-3600	60 / 175 / 900-3600
4.25	Outside width over forks (minimum/maximum)	b5	(mm)	480 / 660	480 / 660
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	(mm)	25	25
4.34	Working aisle width (Ast) with 800 x1200 mm pallets, load lengthwise [5]	Ast	(mm)	2898	2898
4.35	Turning radius [5]	Wa	(mm)	2231	2231
	Performance				
5.1	Travel speed, with/without load		km/h	9.0 / 9.0 (opt 9/13)	9.0 / 9.0 (opt 9/13) [6]
5.2	Lifting speed, with/without load		m/s	0.04 / 0.05	0.04 / 0.05
5.3	Lowering speed, with/without load		m/s	0.05 / 0.03	0.05 / 0.03
5.7	Gradeability, with/without load		%	7 / 15	7 / 15
5.10	Service brake			Electric	Electric
	Electric Motors				
6.1	Drive motor capacity (60 min. short duty)		kW	2.6	2.6
6.2	Lift motor output at 15% duty factor		kW	1.2	2.2
6.4	Battery voltage/capacity at 5-hour discharge		V/Ah	24 / 465-620	24 / 465-620
6.5	Battery weight		kg	366-493	366-493
6.6	Energy consumption according to EN 16796		kWh//h	0.37	0.37
	Miscellaneous				
8.1	Type of drive control			Stepless	Stepless
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ [3]		dB(A)	62	62
10.7.1	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ [3]		dB(A)	73/62/-	73/62/-
Body	Whole-body vibration (EN 13 059:2002)			0.6	0.6
Hand	Hand-arm vibration (EN 13 059:2002)			<2.5	<2.5

1) Forks 540 × 1150, battery 620 Ah
2) Forks 540 × 1150/ lift 1200mm, battery 620 Ah
3) Inaccuracy of 4 dB(A)
4) Fork carriage length 2375 mm
5) With 620Ah battery + 100mm
6) With drivers platform height >300mm max 5.5km/h
850mm mast : >200mm lift height max 5.5km/h
1200mm mast : >300mm - 900mm lift height max 5.5km/h, >900mm lift max 3km/h

**) other coupling heights available
***) See drive speed chart



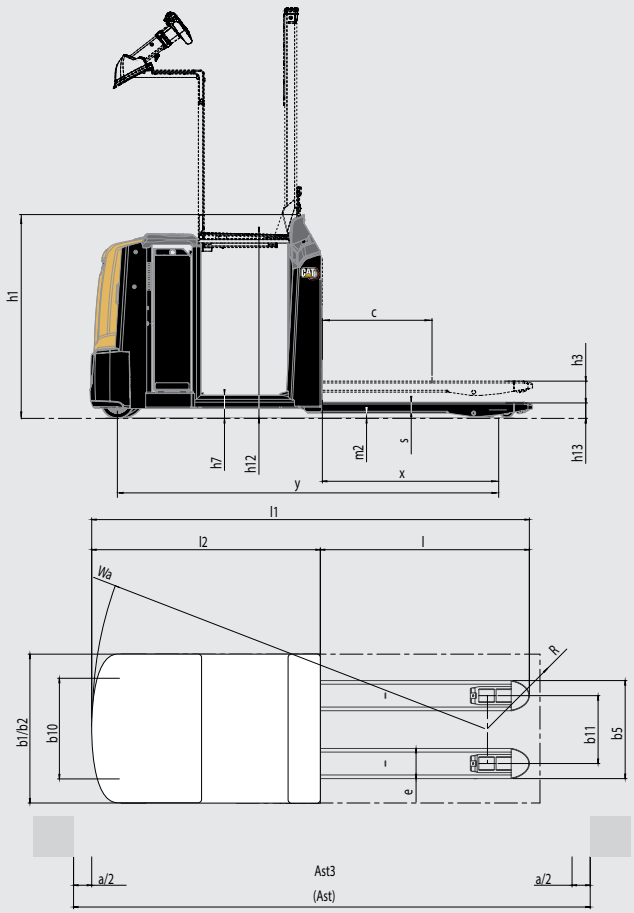
N020/25N2: Standard model
(N020/25N2P: With rising platform)

Ast = Wa-x+l6+200
Ast = Working aisle width
Wa = Turning radius

	Characteristics				
1.1	Manufacturer (abbreviation)			Cat Lift Trucks	Cat Lift Trucks
1.2	Manufacturer's model designation			**N025N2**	**N025N2P**
1.3	Power source: (battery, diesel, LP gas, petrol)			Battery	Battery
1.4	Operator type: pedestrian, (operator)-standing, -seated			Stand-on	Stand-on
1.5	Load capacity	Q	(kg)	2500	2500
1.6	At load center	c	(mm)	600	600
1.8	Load distance	x	(mm)	960	960
1.9	Wheelbase [5]	y	(mm)	2054	2054
	Weight				
2.1	Truck weight without load, with maximum battery weight [1]		kg	1079	1215
2.2	Axle loadings with nominal load & maximum battery weight, drive/load side		kg	1178/2401	1223/2492
2.3	Axle loadings without load & with maximum battery weight, drive/load side		kg	829/250	913/302
	Wheels, Drive Train				
3.1	Tires: PT=Power Thane, Vul=Vulkollan, drive/load side			Vul/Vul	Vul/Vul
3.2	Tire dimensions, drive side		(mm)	ø250	ø250
3.3	Tire dimensions, load side		(mm)	ø85	ø85
3.4	Castor wheel dimensions (diameter x width)		(mm)	ø180x65	ø180x65
3.5	Number of wheels, load/drive side (x=driven)		(mm)	4/ 1x1	4/ 1x1
3.6	Track width (center of tires), drive side	b10	(mm)	494	494
3.7	Track width (center of tires), load side	b11	(mm)	365	365
	Dimensions				
4.2	Height	h1	(mm)	1173	1394/2244
4.4	Lift height	h3	(mm)	135	135
4.5	Height with mast extended	h4	(mm)	–	–
4.8	Seat- or stand height	h7	(mm)	123	150
4.14	Platform height, raised	h12	(mm)	–	1000
4.15	Fork height, fully lowered	h13	(mm)	85	85
4.19	Overall length [5]	l1	(mm)	2421	2421
4.20	Length to fork face [5]	l2	(mm)	1271	1271
4.21	Overall width	b1/b2	(mm)	800	800
4.22	Fork dimensions (thickness, width, length)	s/e/l	(mm)	60/175/900-3600	60/175/900-3600
4.25	Outside width over forks (minimum/maximum)	b5	(mm)	480/660	480/660
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	(mm)	25	25
4.34	Working aisle width (Ast) with 800 x1200 mm pallets, load lengthwise [5]	Ast	(mm)	2898	2898
4.35	Turning radius [5]	Wa	(mm)	2231	2231
	Performance				
5.1	Travel speed, with/without load		km/h	9.0/13.0	9.0/13.0 [5]
5.2	Lifting speed, with/without load		m/s	0.03/0.05	0.03/0.05
5.3	Lowering speed, with/without load		m/s	0.05/0.03	0.05/0.03
5.7	Gradeability, with/without load		%	7 / 15	7 / 15
5.10	Service brake			Electric	Electric
	Electric Motors				
6.1	Drive motor capacity (60 min. short duty)		kW	2.6	2.6
6.2	Lift motor output at 15% duty factor		kW	1.2	2.2
6.4	Battery voltage/capacity at 5-hour discharge		V/Ah	24/465-620	24/465-620
6.5	Battery weight		kg	366-493	366-493
6.6	Energy consumption according to EN 16796		kWh//h	0.4	0.4
	Miscellaneous				
8.1	Type of drive control			Stepless	Stepless
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ [3]		dB(A)	62	62
10.7.1	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ [3]		dB(A)	73/62/-	73/62/-
Body	Whole-body vibration (EN 13 059:2002)			0.6	0.6
Hand	Hand-arm vibration (EN 13 059:2002)			<2.5	<2.5

1) Forks 540 × 1150, battery 620 Ah
2) Forks 540 × 1150/ lift 1200mm, battery 620 Ah
3) Inaccuracy of 4 dB(A)
4) Fork carriage length 2375 mm
5) With 620Ah battery + 100mm
6) With drivers platform height >300mm max 5.5km/h
850mm mast : >200mm lift height max 5.5km/h
1200mm mast : >300mm - 900mm lift height max 5.5km/h, >900mm lift max 3km/h

**) other coupling heights available
***) See drive speed chart



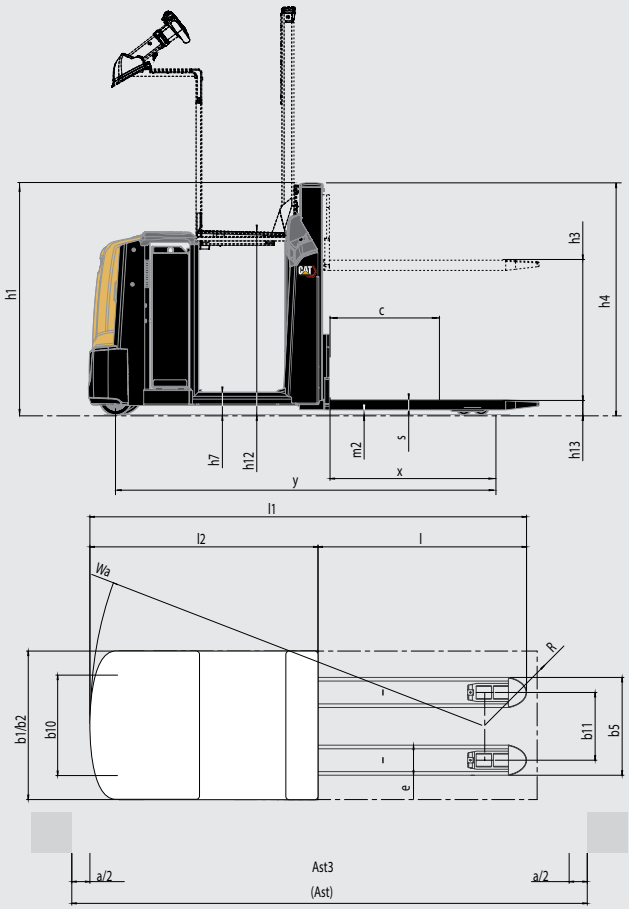
N025N2: Standard model
(N025N2P: With rising platform)

Ast = Wa-x+l6+200
Ast = Working aisle width
Wa = Turning radius

	Characteristics				
1.1	Manufacturer (abbreviation)			Cat Lift Trucks	Cat Lift Trucks
1.2	Manufacturer's model designation			**N012N2F**	**N012N2FP**
1.3	Power source: (battery, diesel, LP gas, petrol)			Battery	Battery
1.4	Operator type: pedestrian, (operator)-standing, -seated			Stand-on	Stand-on
1.5	Load capacity	Q	(kg)	1200	1200
1.6	At load center	c	(mm)	600	600
1.8	Load distance	x	(mm)	785	785
1.9	Wheelbase [5]	y	(mm)	1929	1929
	Weight				
2.1	Truck weight without load, with maximum battery weight [1]		kg	1333 [5]	1469
2.2	Axle loadings with nominal load & maximum battery weight, drive/load side		kg	972/1448	1059/1497
2.3	Axle loadings without load & with maximum battery weight, drive/load side		kg	853/367	940/416
	Wheels, Drive Train				
3.1	Tires: PT=Power Thane, Vul=Vulkollan, drive/load side			Vul/Vul	Vul/Vul
3.2	Tire dimensions, drive side		(mm)	ø250	ø250
3.3	Tire dimensions, load side		(mm)	ø85	ø85
3.4	Castor wheel dimensions (diameter x width)		(mm)	ø180x65	ø180x65
3.5	Number of wheels, load/drive side (x=driven)		(mm)	4/ 1x1	4/ 1x1
3.6	Track width (center of tires), drive side	b10	(mm)	494	494
3.7	Track width (center of tires), load side	b11	(mm)	355	355
	Dimensions				
4.2	Height	h1	(mm)	1173	1394/2244
4.4	Lift height	h3	(mm)	765/1115	765/1115
4.5	Height with mast extended	h4	(mm)	1275/1625	1275/1625
4.8	Seat- or stand height	h7	(mm)	123	150
4.14	Platform height, raised	h12	(mm)	–	1000
4.15	Fork height, fully lowered	h13	(mm)	85	85
4.19	Overall length [5]	l1	(mm)	2471	2471
4.20	Length to fork face [5]	l2	(mm)	1321	1321
4.21	Overall width	b1/b2	(mm)	800	800
4.22	Fork dimensions (thickness, width, length)	s/e/l	(mm)	56 / 186 / 950-1450	56 / 186 / 950-1450
4.25	Outside width over forks (minimum/maximum)	b5	(mm)	540 / 570	540 / 570
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	(mm)	25	25
4.34	Working aisle width (Ast) with 800 x1200 mm pallets, load lengthwise [5]	Ast	(mm)	2881	2881
4.35	Turning radius [5]	Wa	(mm)	2106	2106
	Performance				
5.1	Travel speed, with/without load		km/h	9.0 / 9.0 (opt 9/13) [6]	9.0 / 9.0 (opt 9/13) [6]
5.2	Lifting speed, with/without load		m/s	0.20 / 0.41	0.20 / 0.41
5.3	Lowering speed, with/without load		m/s	0.30 / 0.36	0.30 / 0.36
5.7	Gradeability, with/without load		%	7 / 15	7 / 15
5.10	Service brake			Electric	Electric
	Electric Motors				
6.1	Drive motor capacity (60 min. short duty)		kW	2.6	2.6
6.2	Lift motor output at 15% duty factor		kW	2.2	2.2
6.4	Battery voltage/capacity at 5-hour discharge		V/Ah	24 / 465-620	24 / 465-620
6.5	Battery weight		kg	366-493	366-493
6.6	Energy consumption according to EN 16796		kWh//h	0.37	0.37
	Miscellaneous				
8.1	Type of drive control			Stepless	Stepless
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ[3]		dB(A)	62	62
10.7.1	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ[3]		dB(A)	73/62/-	73/62/-
Body	Whole-body vibration (EN 13 059:2002)			0.6	0.6
Hand	Hand-arm vibration (EN 13 059:2002)			<2.5	<2.5

1) Forks 540 × 1150, battery 620 Ah
2) Forks 540 × 1150/ lift 1200mm, battery 620 Ah
3) Inaccuracy of 4 dB(A)
4) Fork carriage length 2375 mm
5) With 620Ah battery + 100mm
6) With drivers platform height >300mm max 5.5km/h
850mm mast : >200mm lift height max 5.5km/h
1200mm mast : >300mm - 900mm lift height max 5.5km/h, >900mm lift max 3km/h

**) other coupling heights available
***) See drive speed chart



NO12N2F: With rising forks
(NO12N2FP: With rising forks and platform)

Ast = Wa-x+l6+200
Ast = Working aisle width
Wa = Turning radius

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

NOTE: Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tires, fl oor or surface conditions, applications, or operating environment. Trucks may be shown with non-standard options. Specific performance requirements and locally available configurations should be discussed with your Cat lift truck Dealer. Cat Lift Trucks follows a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.