



# NPS20N

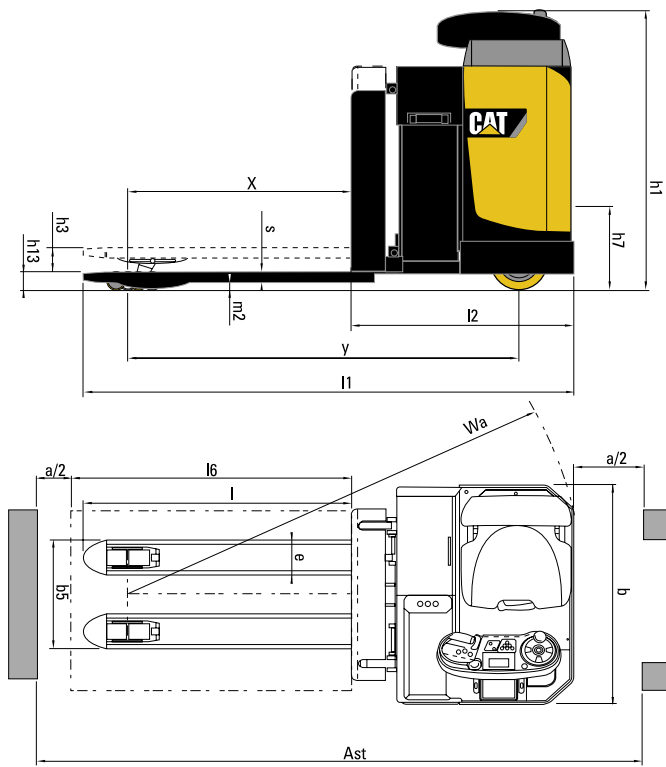
Specifications

**Sit-on power pallet truck**

2.0 tonnes

<b>Characteristics</b>			
1.01	Manufacturer (abbreviation)		Cat Lift Trucks
1.02	Manufacturer's model designation		<b>NPS20N</b>
1.03	Power source: (battery, diesel, LP gas, petrol)		Battery
1.04	Operator type: pedestrian, (operator)-standing, -seated		Sit-on
1.05	Load capacity	Q (kg)	2000
1.06	At load centre	c (mm)	600
1.08	Load wheel axle to fork face (forks lowered)	x (mm)	961
1.09	Wheelbase	y (mm)	1674
<b>Weight</b>			
2.01	Truck weight with nominal load & battery	kg	2955
2.02	Axle loadings with nominal load & battery, drive/load side	kg	1830/1125
2.03	Axle loadings without load & with battery, drive/load side	kg	220/735
<b>Wheels, Drive Train</b>			
3.01	Tyres: P=Polyurethan, PT=Power Thane, Vul=Vulkollan, drive/load side		Vul/Vul
3.02	Tyre dimensions, front		85 x 75
3.03	Tyre dimensions, rear		250 x 100
3.04	Castor wheel dimensions (diameter x width)		150 x 48
3.05	Number of wheels, front/rear (x=driven)		1x + 2/4
3.06	Track width (centre of tyres), load side	b10 (mm)	354 - 514
3.07	Track width (centre of tyres), drive side	b11 (mm)	685
<b>Dimensions</b>			
4.02	Height with mast lowered	h1 (mm)	1335
4.04	Lift height	h3 (mm)	200
4.08	Platform height	h7 (mm)	400
4.15	Fork height, fully lowered	h13 (mm)	85
4.19	Overall length	l1 (mm)	2100
4.20	Length to fork face (includes fork thickness)	l2 (mm)	950
4.21	Overall width	b1 / b2 (mm)	1050
4.22	Fork dimensions (thickness, width, length)	s / e / l (mm)	50/165/1150
4.25	Outside width over forks (minimum/maximum)	b5 (mm)	520-680
4.32	Ground clearance at centre of wheelbase (forks lowered)	m2 (mm)	35
4.33/a	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast (mm)	2596
4.33/b	Working aisle width (Ast3) with 1000 x 1200 mm pallets, load crosswise	Ast3 (mm)	2189
4.34/a	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast (mm)	2616
4.34/b	Working aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise	Ast3 (mm)	2389
4.35	Turning circle radius	Wa (mm)	1950
<b>Performance</b>			
5.01	Travel speed, with/without load	km/h	8/11
5.02	Lifting speed, with/without load	m/s	0.03/0.04
5.03	Lowering speed, with/without load	m/s	0.07/0.02
5.07	Gradeability, with/without load	%	6/15
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)		Electric
<b>Electric motors</b>			
6.01	Drive motor capacity (60 min. short duty)	kW	2.2
6.02	Lift motor output at 15% duty factor	kW	1.2
6.04	Battery voltage/capacity at 5-hour discharge	V/Ah	24/375-465
6.05	Battery weight	kg	305/395
<b>Miscellaneous</b>			
8.01	Type of drive control		Stepless
8.04	Noise level, mean value at operator's ear	dB(A)	66





$Ast = Wa + x + l6 + a$        $l6 =$  Pallet length (800 or 1000 mm)  
 $Ast =$  Working aisle width with load       $b12 =$  Pallet width (1200 mm)  
 $a =$  Safety clearance (200 mm)

## Lower Cost of Ownership

- AC-drive technology means longer service intervals, reducing the total cost of ownership.
- Durable chassis and mast construction, designed and built for years of service.
- Battery discharge indicator (BDI) incorporates lift cut-out for battery protection.

## Unmatched Productivity

- The AC motors in these trucks deliver smooth, controllable power, providing fast, efficient horizontal pallet transport over longer distances.
- High drive speed, with or without load, and rapid acceleration help maintain fast-paced handling operations.
- Large battery compartment (up to 500 Ah).
- Standard PIN code start-up, and driver specific settings.
- Programmable features for driver.
- Regenerative (Regen) braking feeds power back into the battery.
- LCD display with all relevant information.
- Good service access - a seat which swings open in seconds.
- Battery roller as standard for quick battery change.
- Progressive steering for excellent maneuvering at low speeds and stability at high speed.
- Rounded fork tips for easy pallet entry, when approaching at an angle.
- Easy to operate driver's menu.

## Safety and Ergonomics

- Driver well protected by chassis.
- Ergonomically designed electronic 360° fly-by-wire steering gives precise control at speed.
- Adjustable seat and armrest keeps the operator comfortable, enhancing concentration during longer shift operations.
- Standard load weight indicator.
- Good all round visibility.
- Automatic speed reduction in curves and castor wheels keep the truck stable for safe and secure handling.

## Options

- Various fork lengths.
- Customized side plates (for company livery).
- Pallet entry & exit rollers.
- Cold store modification.
- 2500 Kg version.
- Overhead guard.
- List bracket or PC support.
- Key switch instead of start/stop button.

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NOTE: Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tyres, floor 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 trucks Dealer. Cat Lift Trucks follows a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.

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