



NPS20N

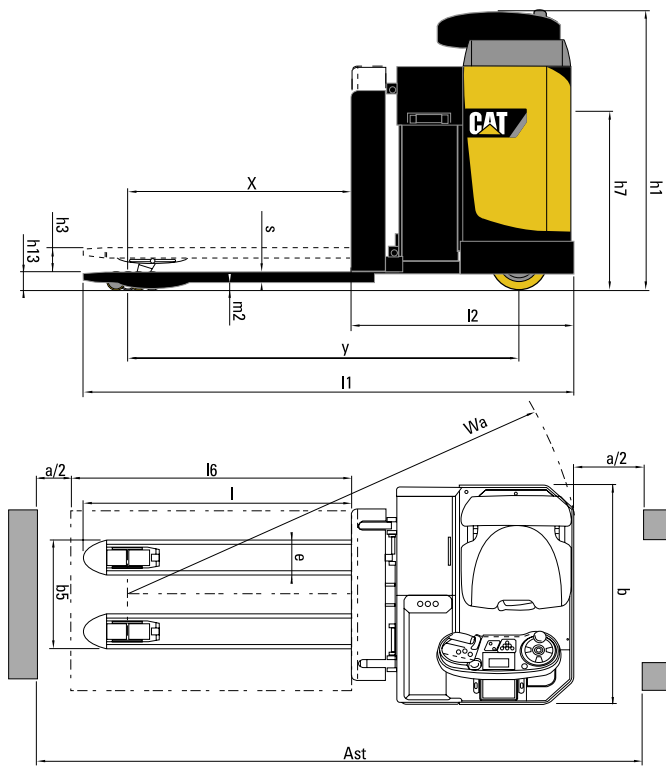
Specifications

Sit-on power pallet truck

2.0 tonnes

Characteristics			
1.01	Manufacturer (abbreviation)		Cat Lift Trucks
1.02	Manufacturer's model designation		NPS20N
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	Load center distance	c (mm)	600
1.08	Load wheel axle to fork face (forks lowered)	x (mm)	961
1.09	Wheelbase	y (mm)	1674
Weight			
2.01	Truck weight with maximum battery weight	kg	955
2.02	Axle loadings with nominal load & maximum battery weight, drive/load side	kg	1830/1125
2.03	Axle loadings without load & with maximum battery weight, drive/load side	kg	220/735
Wheels, Drive Train			
3.01	Tyres: PT=Power Thane, Vul=Vulkollan, drive/load side		Vul/Vul
3.02	Tyre dimensions, drive side	(mm)	85 x 75
3.03	Tyre dimensions, load side	(mm)	250 x 100
3.04	Castor wheel dimensions (diameter x width)		150 x 48
3.05	Number of wheels, drive/load side (x=driven)		1x + 2/4
3.06	Track width (center of tyres), drive side	b10 (mm)	354 - 514
3.07	Track width (center of tyres), load side	b11 (mm)	685
Dimensions			
4.02	Height with mast lowered (see tables)	h1 (mm)	1335
4.04	Lift height (see tables)	h3 (mm)	200
4.08	Seat- or stand height	h7 (mm)	850
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 center of wheelbase, (forks lowered)	m2 (mm)	35
4.33/a	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise, platform up/down	Ast (mm)	2596
4.33/b	Working aisle width (Ast3) with 1000 x 1200 mm pallets, load crosswise, platform up/down	Ast3 (mm)	2189
4.34/a	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down	Ast (mm)	2616
4.34/b	Working aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise, platform up/down	Ast3 (mm)	2389
4.35	Turning circle radius	Wa (mm)	1950
Performance			
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
Electric motors			
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
Miscellaneous			
8.01	Type of drive control		Stepless
8.04	Noise level, mean value at operator's ear (EN 12053)	dB(A)	66





$Ast = Wa + x + l6 + a$
 $Ast = \text{Working aisle width with load}$
 $a = \text{Safety clearance (200 mm)}$

$l6 = \text{Pallet length (800 or 1000 mm)}$
 $b12 = \text{Pallet width (1200 mm)}$

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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Trucks