



NPR20N

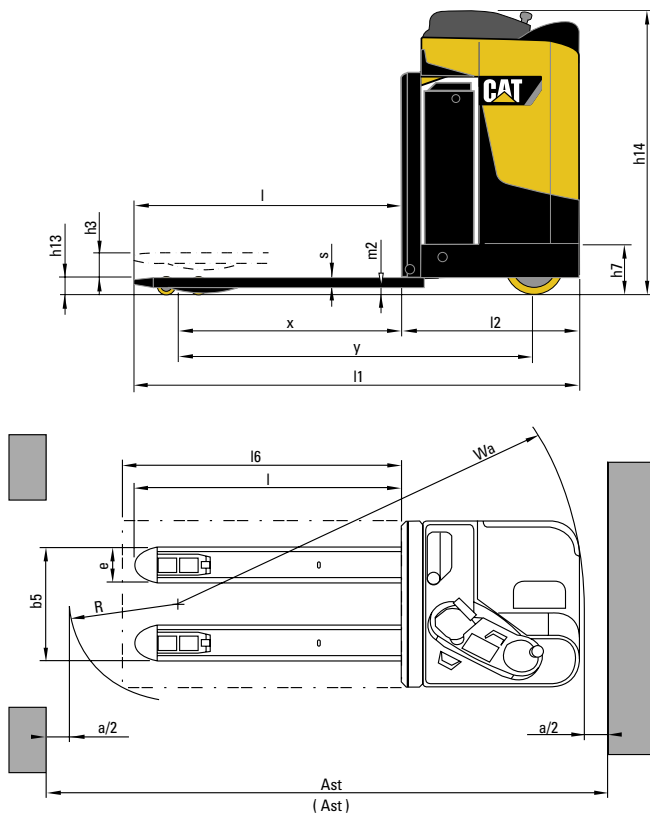
Specifications

Stand-on power pallet truck

2.0 tonnes

Characteristics			
1.01	Manufacturer (abbreviation)		Cat Lift Trucks
1.02	Manufacturer's model designation		NPR20N
1.03	Power source: (battery, diesel, LP gas, petrol)		Battery
1.04	Operator type: pedestrian, (operator)-standing, -seated		Stand-on
1.05	Load capacity	Q (kg)	2000
1.06	Load centre distance	c (mm)	600
1.08	Load wheel axle to fork face (forks lowered)	x (mm)	961
1.09	Wheelbase	y (mm)	1525
Weight			
2.01	Truck weight with nominal load & maximum battery weight	kg	2880
2.02	Axle loadings with nominal load & maximum battery weight, drive/load side	kg	1800/1080
2.03	Axle loadings without load & with maximum battery weight, drive/load side	kg	220/660
Wheels, Drive Train			
3.01	Tyres: PT=Power Thane, Vul=Vulkollan, drive/load side		Vul/Vul
3.02	Tyre dimensions, drive side		250 x 100
3.03	Tyre dimensions, load side		85 x 75
3.04	Castor wheel dimensions (diameter x width)		150 x 48
3.05	Number of wheels, drive/load side (x=driven)		1x + 1/4
3.06	Track width (centre of tyres), drive side	b10 (mm)	375 - 495
3.07	Track width (centre of tyres), load side	b11 (mm)	457
Dimensions			
4.04	Lift height (see tables)	h3 (mm)	200
4.08	Seat- or stand height	h7 (mm)	239
4.09	Height of tiller arm / steering console (min./max.)	h14 (mm)	1365
4.15	Fork height, fully lowered	h13 (mm)	85
4.19	Overall length	l1 (mm)	1915
4.20	Length to fork face (includes fork thickness)	l2 (mm)	763
4.21	Overall width	b1 / b2 (mm)	790
4.22	Fork dimensions (thickness, width, length)	s / e / l (mm)	50/165/1150
4.25	Outside width over forks (minimum/maximum)	b5 (mm)	540-680
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)	2351
4.33/b	Working aisle width (Ast3) with 1000 x 1200 mm pallets, load crosswise	Ast3 (mm)	1789
4.34/a	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast (mm)	2416
4.34/b	Working aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise	Ast3 (mm)	2189
4.35	Turning circle radius	Wa (mm)	1750
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	280 - 355
Miscellaneous			
8.01	Type of drive control		Stepless
8.04	Noise level, mean value at operator's ear (EN 12053)	dB(A)	67





$Ast = Wa + R + a$
 $Ast = \text{Working aisle width}$
 $Wa = \text{Turning radius}$
 $a = \text{Safety clearance} = 2 \times 100 \text{ mm}$
 $R = \sqrt{(l6 - x)^2 + (b12 / 2)^2}$

Lower Cost of Ownership

- The NPR20N is especially designed for horizontal transport of loads up to 2.0 tonnes, across the longer distances in your warehouse.
- A narrow overall chassis width and a fully electronic steering system with limitless 360-degree steering make the NPR20N highly manoeuvrable.
- The design of the NPR20N allows easy access to all the main components for fast service and maintenance. The controller with built-in diagnostics helps to reduce down time to minimum.
- Tilting panel with gas spring for easy battery maintenance.

Unmatched Productivity

- Powerful AC drive motor and state-of-the-art electronics guarantee high productivity with quick acceleration, strong regenerative braking and a high driving speed even with nominal load. Each function can be programmed separately to the application needs and the operator's preference.
- Limitless 360-degree electric steering system.
- Traction battery on rollers for easy battery exchange.
- AC drive motor optimises performance.
- Latest technology AC controller with fully programmable functions like speed, acceleration, regenerative braking, etc.
- Rounded fork tips ensure smooth pallet handling.

Safety & Ergonomics

- Ergonomic, functional steering console for precise and comfortable manoeuvring.
- Standard console display includes warning lights, drive direction indicator, hour meter and battery charge indicator.
- The ergonomic layout of the controls on the console contributes to smooth and easy operation. The comfortable operator's compartment has a cushioned backrest and a suspended floor, an arm rest is optional.

Options:

- Cold store modifications.
- Wide variety of fork dimensions.
- Pallet entry and exit rollers.
- Adjustable arm rest.
- Choice of drive wheels.
- Inverted steering direction.
- Special colors and brand covers.
- List bracket.
- Computer holder.
- Key switch.

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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.

CAT[®] Lift Trucks