



NPV20N2 - NPV20ND - NPF25N2

Specifications

Platform Power Pallet truck

2.0 - 2.5 tonnes



Characteristics			Cat Lift Trucks	Cat Lift Trucks	Cat Lift Trucks
1.01	Manufacturer (abbreviation)		NPV20N2	NPV20ND	NPF25N2
1.02	Manufacturer's model designation		Battery	Battery	Battery
1.03	Power source (battery, diesel, LP gas, petrol)		Pedestrian/stand-on	Pedestrian/stand-on	Stand-on
1.04	Operator type: pedestrian, (operator)-standing, -seated				
1.05	Load capacity	Q (kg)	2000	1600 / 1000+1000	2500
1.06	Load centre distance	c (mm)	600	600	600
1.08	Load wheel axle to fork face (forks lowered)	x (mm)	960	946	960
1.09	Wheelbase	y (mm)	1421	1553	1501
Weight					
2.01	Truck weight with maximum battery weight	kg	660	1270 ²⁾	787
2.02	Axle loadings with nominal load & maximum battery weight, drive/load side	kg	950 / 1710	1270 / 2000 ²⁾	1155 / 2144
2.03	Axle loadings without load & with maximum battery weight, drive/load side	kg	535 / 125	920 / 350 ²⁾	640 / 147
Wheels, Drive Train					
3.01	Tyres: PT=Power Thane, Vul=Vulkollan, drive/load side		Vul/Vul	Vul/Vul	Vul/Vul
3.02	Tyre dimensions, drive side	(mm)	85 x 75	85 x 75	85 x 75
3.03	Tyre dimensions, load side	(mm)	230 x 70	230 x 70	230 x 70
3.04	Castor wheel dimensions (diameter x width)	(mm)	125 x 55	150 x 50	125 x 55
3.05	Number of the wheels drive/load side (x=driven)		4/1x+2	2+1x/4	4/1x+2
3.06	Track width (centre of tyres), drive side	b10 (mm)	480	550	480
3.07	Track width (centre of tyres), load side	b11 (mm)	375	401	375
Dimensions					
4.04	Lift height	h3 (mm)	135	1600 / 2000	135
4.08	Seat or stand height	h7 (mm)	177	145	170
4.09	Height of tiller arm / steering console (min/max)	h14 (mm)	1180 / 1350	1141 / 1341	1143 / 1290
4.15	Fork height, fully lowered	h13 (mm)	85	92	85
4.19	Overall length, platform up/down	l1 (mm)	1852 ³⁾ / 2346 ³⁾	2037 / 2493	2277 ⁴⁾
4.20	Length to fork face, platform up/down	l2 (mm)	702 ³⁾ / 1195 ³⁾	887 / 1343	1127 ⁴⁾
4.21	Overall width	b1 / b2 (mm)	720	790 / -	720
4.22	Fork dimensions (thickness, width, length)	s / e / l (mm)	55 / 165 / 1150	56 / 185 / 1150	55 / 165 / 1150
4.25	Outside width over forks	b5 (mm)	540	570 / -	540
4.32	Ground clearance, centre of wheelbase (forks lowered)	m2 (mm)	30	25	29
4.33	Working aisle width (Ast3) with 1000 x 1200 mm pallets, load crosswise, platform up/down	Ast3 (mm)	1920 ³⁾ / 2400 ³⁾	2104 / 2543	2395 ⁴⁾
4.34	Working aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise, platform up/down	Ast3 (mm)	2120 ³⁾ / 2600 ³⁾	2304 / 2743	2595 ⁴⁾
4.35	Turning circle radius	Wa (mm)	1680 ³⁾ / 2160 ³⁾	1850 / 2289	2155 ⁴⁾
Performance					
5.01	Travel speed, with/without load	km/h	9.0 / 9.0 (12.0) ¹⁾	8.0 / 8.0	9.0 / 12.0
5.02	Lifting speed, with/without load	m/s	0.03 / 0.05	0.09 / 0.19	0.03 / 0.05
5.03	Lowering speed, with/without load	m/s	0.07 / 0.08	0.26 / 0.14	0.07 / 0.08
5.07	Gradeability, with/without load	%	9 / 25	7 / 15	9 / 20
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)		Electric	Electric	Electric
Electric motors					
6.01	Drive motor capacity (60 min. short duty)	kW	2.3	2.0	2.3
6.02	Lift motor output at 15% duty factor	kW	1.2 (10%)	2.2 (10%)	1.2
6.04	Battery voltage/capacity at 5-hour discharge	V/Ah	24 / 250-375 ³⁾	24 / 375	24 / 375-500 ⁴⁾
6.05	Battery weight	kg	212-291	285	291-380
Miscellaneous					
8.01	Type of drive control		Stepless	Stepless	Stepless
	Noise level, mean value at operators ear (EN12053)	dB(A)	66	68	65

1) Optional: higher travel speed (12km/h) with loads up to 600kg

2) D2000

3) With 375Ah battery the l2 dimension increases 72mm

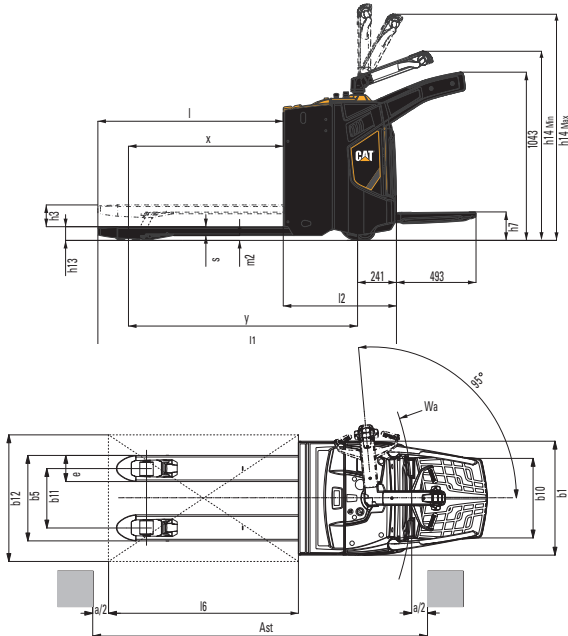
4) With 500Ah battery the l2 dimension increases 72mm

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

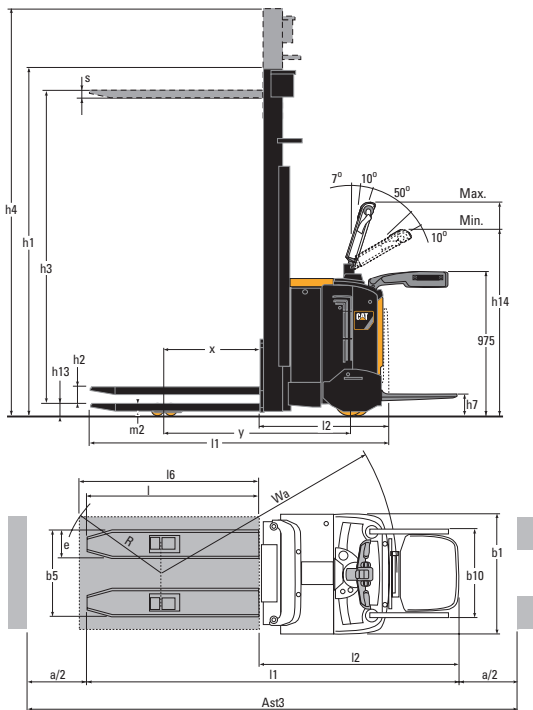
NPV20ND				
Mast Type	h3 + h13	h1	h4	h2 + h13
	mm	mm	mm	mm
Duplex	1600	1371	2101	(155)
	2000	1571	2501	(155)



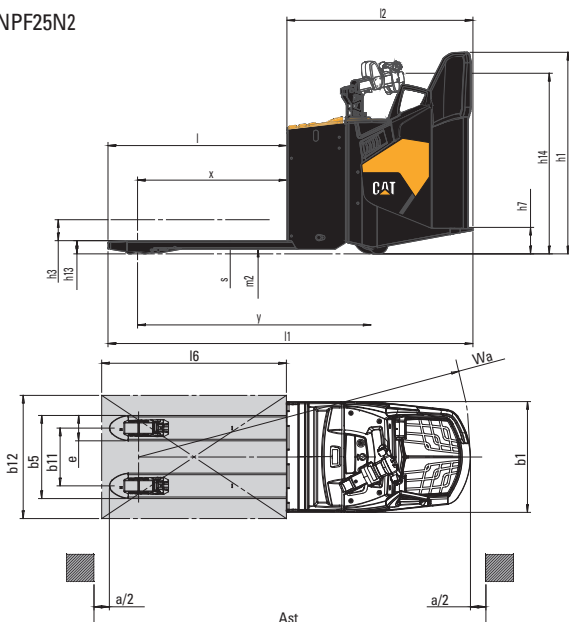
NPV20N2



NPV20ND



NPF25N2



Lower Cost of Ownership

- Sturdy chassis construction and endurance-tested forks provide enhanced robustness and reliability in even the toughest conditions
- Sealed chassis and waterproof electrics resist moisture, dirt and corrosion - increasing uptime, cutting maintenance costs and prolonging truck life
- Easy access to critical truck components allows faster fault diagnosis and speedier maintenance, squeezing downtime still further
- Closed compartment with steel cover protects battery against impact, postponing costly battery replacement (NPV20N2, NPF25N2)
- Standard battery size allows interchangeability (NPV20N2, NPF25N2)
- Dust shielded load wheels help extend life of wheel bearings

Unmatched Productivity

- AC motor results in very precise drive control, for easier operation
- Ergonomic tiller arm helps keep operators fresh with comfortable, easy to use controls
- Excellent drive and traction characteristics suit intensive work over medium and long distances
- Programmable controller lets users prioritise between faster performance and smoother handling with lower energy consumption, prolonging shift life
- Truck can be driven with tiller arm in vertical position in ultra-low-speed mode to maximise manoeuvrability
- Folding platform stays down saving time when operators go to remount (NPV20N2, NPV20ND)
- Increased fork lift height suits work on even steep ramps and loading docks (NPV20N2/NPF25N2)
- Narrower truck body makes loading/unloading in confined areas like goods vehicle trailers much easier (NPV20N2, NPF25N2)
- Double pallet handling capability halves the number of movements required (NPV20ND)
- The NPF25N2 with fixed platform and maximum drive speed of 12 km/h unloaded (9km/h loaded) is designed to perform. Its electric steering wheel with crosswise driving position increase efficiency in the long distances

Safety and Ergonomics

- Low step height for mounting/dismounting without effort
- Strong folding sidebars protect and support operators at all times (NPV20N2/NPV20ND)
- Optional large lift and lower levers allow easy, one-handed control, even with gloves (NPV20N2/NPV20ND)
- Linked suspension castor wheels ensure highest possible truck stability - whatever the load (NPV20N2, NPF25N2)
- High ground clearance of operator platform reduces the risk of impact on inclines or uneven surfaces (NPV20N2, NPF25N2)
- Minimum upper body and neck movement required resulting in less strain for the operator (NPF25N2)

Options

- Pallet entry/exit rollers
- Load backrest
- Lateral battery exchange system
- Pin code access
- Cold store modification class III for environments down to -35°C
- Large lift/lower levers (NPV20N2/NPV20ND)
- Electric power steering (NPV20N2, NPV20ND)

For the complete list of available options please contact your nearest dealer.

Cat® Lift Trucks.

Your partner in materials handling.

Since the 1960's we have been producing lift trucks designed to last and built to perform in some of the toughest environments in the world.

Today those brand values of ruggedness, durability and serviceability are at the core of our complete range of lift truck and warehouse equipment.

Together with our dealer network we are dedicated to providing customers with comprehensive materials handling solutions and cost-effective machine selection.

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For customers with continental operations our 'International Fleet Sales & Services' department delivers the benefits of the global Cat Lift Trucks network, through a single point of contact.

For cost-effective solutions, or to find your nearest dealer, contact Cat Lift Trucks, your partner in materials handling.



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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.

