

# Engine powered lift trucks

## DP150N

15.00 Tons



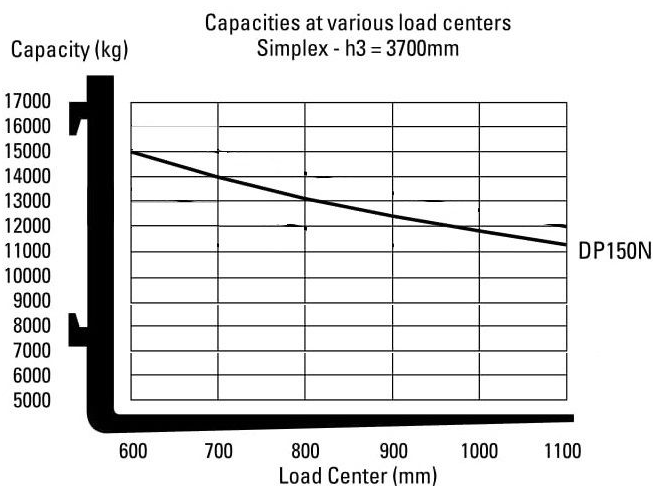
### Cat® Lift Trucks.

Your partner in materials handling.

DP150N						
Mast Type	h3	h1	h4	h2	Tilt angle (fwd./back)	Q @ c = 600mm kg
	mm	mm	mm	mm		
Simplex	4588	4132	6427	88	15°/12°	15000

### Mast Performance and Capacity

- h1 Height with mast lowered
- h2 Standard free lift
- h3 Lift height
- h4 Height with mast raised
- h5 Full free lift
- Q Lifting capacity, rated load
- c Load centre (distance)



Characteristics			
1.1	Manufacturer (abbreviation)		Cat Lift Trucks
1.2	Manufacturer's model designation		<b>DP150N</b>
1.3	Power source: (battery, diesel, LP gas, petrol)		Diesel
1.4	Operator type: pedestrian, (operator)-standing, -seated		Seated
1.5	Load capacity	Q (kg)	15000
1.6	At load centre	c (mm)	600
1.8	Load distance	x (mm)	805
1.9	Wheelbase	y (mm)	3100
Weight			
2.1	Truck weight, without load / including battery (simplex mast, lowest lift height)	kg	18050
2.2	Axle loading with maximum load, front/rear (simplex mast, lowest lift height)	kg	30055 / 2995
2.3	Axle loading without load, front/rear (simplex mast, lowest lift height)	kg	8260 / 9790
Wheels, Drive Train			
3.1	Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear		L / L
3.2	Tyre dimensions, front		12.00 x 20 - 18 PR
3.3	Tyre dimensions, rear		12.00 x 20 - 18 PR
3.5	Number of wheels, front/rear (x=driven)		4x / 2
3.6	Distance between centreline of tyres, front	b10 (mm)	1905
3.7	Distance between centreline of tyres, rear	b11 (mm)	1925
Dimensions			
4.1	Mast tilt, forwards/backwards	$\alpha/\beta$ (°)	15 / 12
4.2	Height with mast lowered (see tables)	h1 (mm)	4132
4.3	Free lift (see tables)	h2 (mm)	88
4.4	Lift height (see tables)	h3 (mm)	4588
4.5	Overall height with mast raised	h4 (mm)	6427
4.7	Height to top of overhead guard	h6 (mm)	3060
4.8	Seat height	h7 (mm)	1960
4.12	Tow coupling height	h10 (mm)	735
4.19	Overall length	l1 (mm)	6060
4.20	Length to fork face (includes fork thickness)	l2 (mm)	4840
4.21	Overall width	b1/b2 (mm)	2605
4.22	Fork dimensions (thickness, width, length)	s, e, l (mm)	88 x 180 x 2440
4.23	Fork carriage to DIN 15 173 A/B/no		No
4.24	Fork carriage width	b3 (mm)	2280
4.31	Ground clearance under mast, with load	m1 (mm)	300
4.32	Ground clearance at centre of wheelbase, with load (forks lowered)	m2 (mm)	355
4.33	Working aisle width with 1000 x1200 mm pallets, crosswise	Ast (mm)	6555
4.34a	Working aisle width with 800 x1200 mm pallets, lengthwise	Ast (mm)	6755
4.35	Turning circle radius	Wa (mm)	4550
4.36	Minimum distance between centres of rotation	b13 (mm)	1815
Performance			
5.1	Travel speed, with/without load	km/h	25.0 / 32.0
5.2	Lifting speed, with/without load	m/s	0.34 / 0.37
5.3	Lowering speed, with/without load	m/s	0.45 / 0.48
5.5	Rated drawbar pull, with/without load	N	110000 / 38000
5.7	Gradeability, with/without load	%	36.2 / 20.0
5.9	Acceleration time (10 metres) with/without load	s	-
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)		Pneu./Hydraulic
IC Engine			
7.1	Manufacturer / Type		1204E
7.2	Rated output to ISO 1585	kW	129
7.3	Rated speed to DIN 70 020	rpm	2200
7.4	Number of cylinders / cubic capacity	/cm <sup>3</sup>	4 / 4400
Miscellaneous			
8.1	Type of drive control		Powershift / 3
8.2	Operating pressure for attachments	bar	206
8.3	Oil flow for attachments	l/min	-
8.4	Noise level, value at operator's ear (EN 12053)	dB(A)	85
8.5	Towing coupling design / DIN type, ref.		Pin

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

