



DP100NL
DP115NL
DP120NL
DP135NL
DP150SNL
DP160SNL

STRONG AND TOUGH

SPECIFICATIONS

ENGINE POWERED LIFT TRUCKS 10.0 - 16.0 TONNES



STRONG AND TOUGH

THESE HIGH-CAPACITY DIESEL COUNTERBALANCE FORKLIFTS, OFFERING TREMENDOUS TRACTION FORCE, LOAD HANDLING PERFORMANCE AND SHEER STRENGTH, ARE DESIGNED TO COPE WITH ROUGH TREATMENT IN THE HARSHTEST ENVIRONMENTS AND HEAVY-DUTY APPLICATIONS. AT THE SAME TIME, THEY PROVIDE A REWARDING AND COMFORTABLE DRIVING EXPERIENCE.



Typical applications include:

- Stevedoring
- Empty container handling
- Metal industries
- Lumber
- Concrete, stone, clay and glass
- Industrial machinery and equipment
- Distribution centres
- Brick and stone



At the wheel, drivers enjoy precise, responsive, fully hydrostatic assisted steering, smooth, three-speed automatic transmission and a fast-response turbocharger, together with clear all-round visibility and a small turning circle. The result is fast and agile manoeuvring.



Protected within the truck's rugged, low-maintenance construction, drivers have the comfort of low noise and vibration, generous legroom, an adjustable full-suspension seat and a tiltable steering column. Ergonomic aids include an electronic control enabling forward-reverse changes while moving – without removing hands from the wheel.

LOWER COST OF OPERATION

- Robust steel frame designed using Finite Element Analysis gives durable structure with low centre of gravity, resulting in higher residual capacity.
- Fully floating drive axle adds extra durability and capacity compared to semi- or non-floating alternatives.
- Steer axle construction as a single solid unit maximises strength and rigidity.
- Dependable engine and strong resistance of all truck components to damage and wear helps minimise repair and service bills.
- Wet multi-disc parking brake is highly durable and maintenance-free.
- Easy and quick access to all areas for routine checks and maintenance keeps truck in sound working condition, saves time and reduces expense.

UNMATCHED PRODUCTIVITY

- Automatic transmission in drive train converts engine power directly into torque, with three forward and three reverse speeds, to tackle heavy-duty applications effectively.
- Low-speed torque delivers controlled but powerful acceleration for maximum productivity, while fast-response turbocharger further enhances driver experience and output.
- Design of frame and counterweight optimises weight positioning and residual capacity for strong lifting.

SAFETY AND ERGONOMICS

- Noise and vibration limitation features include rubber-mounted key components, fully insulated steel engine hood and helical transmission gears.
- Electronic direction control permits easy and smooth shifting between forward and reverse travel, without removing hands from steering wheel, at any speed up to 4.0 km/h.
- Fully hydrostatic assisted steering via small-diameter steering wheel ensures accurate and rapid response with little effort.
- Counterweight design allows small turning circle and clear view to the rear for precise manoeuvring.
- Mast with narrow channels and small-diameter lift cylinders increases forward vision and uses six load rollers with side rollers to achieve high load stability.
- Turn signal lever combined with light switch adds convenience (and returns to neutral when wheels are straightened).
- Presence Detection System (PDS) gives audible warning if seat belt is not fastened and prevents all travel and hydraulic movement if operator is not correctly seated.
- Electric parking brake with one-touch switch secures truck with minimal effort.
- Tilttable steering column, adjustable full-suspension seat and generous legroom allow each user to find the perfect driving position.
- Conveniently placed grab bars and steps ease access to operator compartment.
- Optional weatherproof cabin can be fitted with further comfort options, including air conditioner, heater and defroster, to keep driver productive even in extreme conditions.



STANDARD EQUIPMENT AND OPTIONS

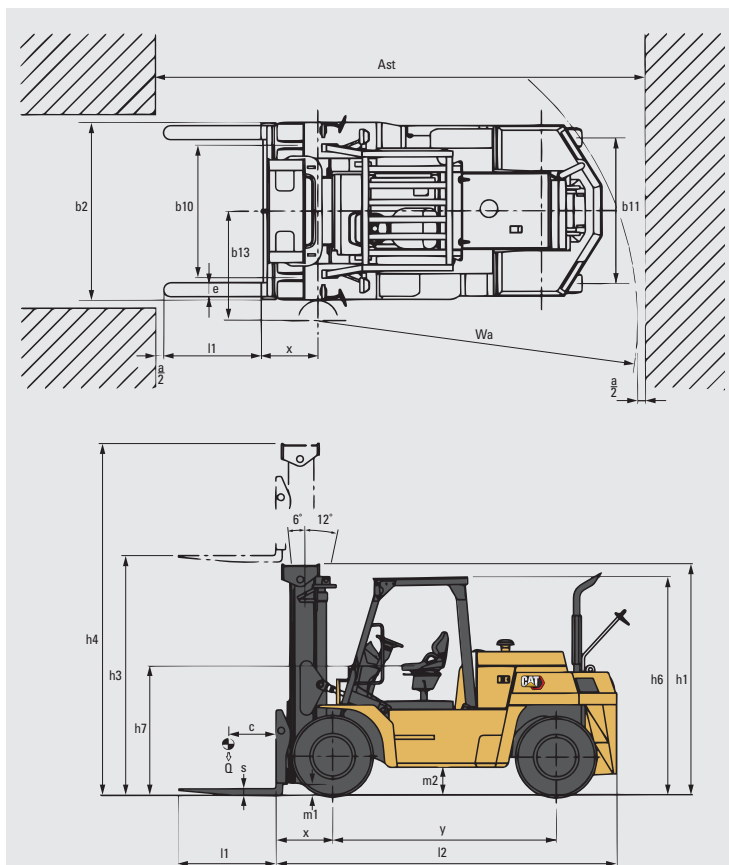
GENERAL OPTIONS						
Steel cabin						
Air conditioner						
Heater & defroster						
Direction change lever at right hand						
Windshield with wiper						
ACCESSORIES						
High volume reversing buzzer						
Rear working lights - 2 lamps on counterweight						
Front working lamp on fenders						
Headlight / turn signal lamps / rear combination lamps (LED)						
LED rear work light						
Front working lamps on fender (LED)						
SAFETY DEVICES						
Central lubrication system						
Fire extinguisher						
Interlock for traveling, lifting & tilting - with 2 valves						
Seat belt interlock						
ATTACHMENTS						
Side shifter integral type (shaft-on type)						
Fork positioner hydraulic cylinder type						
Fork positioner with side shifter hydraulic cylinder type						

● Standard ○ Option

For more information about standard and available optional equipment, please contact your dealer.

Characteristics		
1.01	Manufacturer (abbreviation)	
1.02	Manufacturer's model designation	
1.03	Power source: (battery, diesel, LP gas, petrol)	
1.04	Operator type: pedestrian, (operator)-standing, -seated	
1.05	Load capacity	Q (kg)
1.06	Load centre distance	c (mm)
1.08	Load distance, axle to fork face	x (mm)
1.09	Wheelbase	y (mm)
Weight		
2.01	Truck weight, without load / including battery (simplex mast, lowest lift height)	kg
2.02	Axle loading with maximum load, front/rear (simplex mast, lowest lift height)	kg
2.03	Axle loading without load, front/rear (simplex mast, lowest lift height)	kg
Wheels, Drive Train		
3.01	Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear	
3.02	Tyre dimensions, front	
3.03	Tyre dimensions, rear	
3.05	Number of wheels, front/rear (x=driven)	
3.06	Track width (centre of tyres), front	b10 (mm)
3.07	Track width (centre of tyres), rear	b11 (mm)
Dimensions		
4.01	Mast tilt, forwards/backwards	∅/β °
4.02	Height with mast lowered (see tables)	h1 (mm)
4.03	Free lift (see tables)	h2 (mm)
4.04	Lift height (see tables)	h3 (mm)
4.05	Overall height with mast raised	h4 (mm)
4.07	Height to top of overhead guard	h6 (mm)
4.08	Seat height	h7 (mm)
4.12	Tow coupling height	h10 (mm)
4.19	Overall length	l1 (mm)
4.20	Length to fork face (includes fork thickness)	l2 (mm)
4.21	Overall width	b1/b2 (mm)
4.22	Fork dimensions (thickness, width, length)	s / e / l (mm)
4.23	Fork carriage to DIN 15 173 A/B/no	
4.24	Fork carriage width	b3 (mm)
4.31	Ground clearance under mast, with load	m1 (mm)
4.32	Ground clearance at centre of wheelbase, with load (forks lowered)	m2 (mm)
4.33	Working aisle width with 1000 x1200 mm pallets, crosswise	Ast (mm)
4.34	Working aisle width with 800 x1200 mm pallets, crosswise	Ast (mm)
4.34a	Working aisle width with 800 x1200 mm pallets, lengthwise	
4.35	Turning circle radius	Wa (mm)
4.36	Minimum distance between centres of rotation	b13 (mm)
Performance		
5.01	Travel speed, with/without load	km/h
5.02	Lifting speed, with/without load	m/s
5.03	Lowering speed, with/without load	m/s
5.06	Maximum drawbar pull, with/without load (5 min short duty)	N
5.07	Gradeability, with/without load	%
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)	
IC Engine		
7.01	Manufacturer / Type	
7.02	Rated / nominal output to ISO 1585**	kW
7.03	Rated speed to DIN 70 020	rpm
7.04	Number of cylinders / cubic capacity	cm³
7.06	Max torque	Nm
7.07	Max torque at engine speed	rpm
Miscellaneous		
8.01	Type of drive control	
8.02	Maximum operating pressure for attachments	bar
8.05	Towing coupling design / DIN type, ref.	

Cat Lift Trucks DP100NL	Cat Lift Trucks DP115NL	Cat Lift Trucks DP120NL	Cat Lift Trucks DP135NL	Cat Lift Trucks DP150SNL	Cat Lift Trucks DP160SNL
Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Seated	Seated	Seated	Seated	Seated	Seated
10000	11500	12000	13500	15000	16000
600	600	600	600	600	600
710	725	725	765	765	770
2800	2800	2800	3100	3100	3100
13250	14370	14680	15900	16750	17110
20900/2350	23280/2590	24060/2620	26910/2490	29190/2560	30340/2770
6200/7050	6320/8050	6360/8320	7450/8450	7590/9160	7270/9840
L/L	L/L	L/L	L/L	L/L	L/L
9.00-20-14PR	10.00-20-16PR	10.00-20-16PR	11.00-20-16PR	11.00-20-16PR	11.00-20-18PR
9.00-20-14PR	10.00-20-16PR	10.00-20-16PR	11.00-20-16PR	11.00-20-16PR	11.00-20-18PR
4x / 2	4x / 2	4x / 2	4x / 2	4x / 2	4x / 2
1650	1655	1655	1695	1695	1695
1820	1810	1810	1795	1795	1795
6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
2895	2915	2915	3150	3150	3150
0	0	0	0	0	0
3000	3000	3000	3000	3000	3000
4395	4415	4415	4650	4650	4650
2740	2755	2755	2775	2775	2775
1660	1680	1680	1690	1690	1690
510	530	525	540	540	540
5490	5505	5505	5775	5775	5920
4270	4285	4285	4555	4555	4710
2240 / -	2280 / -	2280 / -	2360 / -	2360 / -	2360 / -
1220x180x75	1220x180x90	1220x180x90	1220x200x85	1220x200x85	1220x200x90
No	No	No	No	No	No
2204	2204	2204	2274	2274	2274
255	275	270	255	255	255
345	365	365	375	375	375
5910	5925	5925	6265	6265	6420
6110	6125	6125	6465	6465	6620
5710	5725	5725	6065	6065	6220
4000	4000	4000	4300	4300	4450
1370	1390	1390	1510	1510	1510
34/34	34/34	34/34	34/34	34/34	34/34
0.46 / 0.5	0.45 / 0.5	0.45 / 0.5	0.35 / 0.38	0.34 / 0.38	0.34 / 0.38
0.5	0.5	0.5	0.5	0.5	0.5
120000/35000	114000/35000	114000/35000	110000/41000	110000/42000	113000/40000
47.6/23.8	38.5/22.2	38.5/22.2	33.3/23.8	30.3/23.2	29.4/22.2
Mechanical/Hydraulic	Mechanical/Hydraulic	Mechanical/Hydraulic	Mechanical/Hydraulic	Mechanical/Hydraulic	Mechanical/Hydraulic
ISUZU BB-68GI-T	ISUZU BB-68GI-T	ISUZU BB-68GI-T	ISUZU BB-68GI-T	ISUZU BB-68GI-T	ISUZU BB-68GI-T
114.0	114.0	114.0	114.0	114.0	114.0
2000	2000	2000	2000	2000	2000
6 / 6494	6 / 6494	6 / 6494	6 / 6494	6 / 6494	6 / 6494
537	537	537	537	537	537
1800	1800	1800	1800	1800	1800
Powershift 3/3	Powershift 3/3	Powershift 3/3	Powershift 3/3	Powershift 3/3	Powershift 3/3
206	206	206	206	206	206
Pin	Pin	Pin	Pin	Pin	Pin



Ast = Wa + x + l6 + a

Ast = Working aisle width with load

Wa = Turning radius

x = Load distance, axle to fork face

l6 = Pallet length (800 or 1000 mm)

a = Safety clearance = (2 x 100 mm)

DP100NL							
Mast Type	h3 mm	h1 mm	h4 mm	Tilt angle (fwd - back)°	Q @ c = 600mm kg	Q @ c = 1220mm kg	Service weight Truck + mast kg
Simplex	3000	2895	4395	6 - 12	10000	7000	13250
	3500	3145	4895	6 - 12	10000	7000	13350
	4000	3395	5395	6 - 12	10000	7000	13450
	4500	3645	5895	6 - 12	10000	7000	13700
	5000	3895	6395	6 - 12	10000	7000	13800
	5500	4145	6895	6 - 12	9000	6300	13900
	6000	4395	7395	6 - 12	8000	5600	14000

DP115NL							
Mast Type	h3 mm	h1 mm	h4 mm	Tilt angle (fwd - back)°	Q @ c = 600mm kg	Q @ c = 1220mm kg	Service weight Truck + mast kg
Simplex	3000	2895	4395	6 - 12	11500	7750	14370
	3500	3145	4895	6 - 12	11500	7750	14470
	4000	3395	5395	6 - 12	11500	7750	14570
	4500	3645	5895	6 - 12	11500	7750	14820
	5000	3895	6395	6 - 12	11500	7750	14920
	5500	4145	6895	6 - 12	10350	7000	15020
	6000	4395	7395	6 - 12	9200	6200	15120

DP120NL							
Mast Type	h3 mm	h1 mm	h4 mm	Tilt angle (fwd - back)°	Q @ c = 600mm kg	Q @ c = 1220mm kg	Service weight Truck + mast kg
Simplex	3000	2895	4395	6 - 12	12000	7950	14680
	3500	3145	4895	6 - 12	12000	7950	14780
	4000	3395	5395	6 - 12	12000	7950	14880
	4500	3645	5895	6 - 12	12000	7950	15130
	5000	3895	6395	6 - 12	12000	7950	15230
	5500	4145	6895	6 - 12	10800	7350	15330
	6000	4395	7395	6 - 12	9600	6500	15430

DP135NL							
Mast Type	h3 mm	h1 mm	h4 mm	Tilt angle (fwd - back)°	Q @ c = 600mm kg	Q @ c = 1220mm kg	Service weight Truck + mast kg
Simplex	3000	2895	4395	6 - 12	13500	9100	15900
	3500	3145	4895	6 - 12	13500	9100	16020
	4000	3395	5395	6 - 12	13500	9100	16250
	4500	3645	5895	6 - 12	13500	9100	16390
	5000	3895	6395	6 - 12	13500	9100	16490
	5500	4145	6895	6 - 12	12150	8200	16600
	6000	4395	7395	6 - 12	10800	7300	16710

DP150SNL							
Mast Type	h3 mm	h1 mm	h4 mm	Tilt angle (fwd - back)°	Q @ c = 600mm kg	Q @ c = 1220mm kg	Service weight Truck + mast kg
Simplex	3000	2895	4395	6 - 12	15000	10200	16750
	3500	3145	4895	6 - 12	15000	10200	16870
	4000	3395	5395	6 - 12	15000	10200	17100
	4500	3645	5895	6 - 12	15000	10200	17240
	5000	3895	6395	6 - 12	15000	10200	17340
	5500	4145	6895	6 - 12	13500	9180	17450
	6000	4395	7395	6 - 12	12000	8160	17560

DP160SNL							
Mast Type	h3 mm	h1 mm	h4 mm	Tilt angle (fwd - back)°	Q @ c = 600mm kg	Q @ c = 1220mm kg	Service weight Truck + mast kg
Simplex	3000	2895	4395	6 - 12	16000	11050	17010
	3500	3145	4895	6 - 12	16000	11050	17130
	4000	3395	5395	6 - 12	16000	11050	17360
	4500	3645	5895	6 - 12	16000	11050	17500
	5000	3895	6395	6 - 12	16000	11050	17600
	5500	4145	6895	6 - 12	14400	9940	17710
	6000	4395	7395	6 - 12	12800	8840	17820

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)

info@catlifttruck.com | www.catlifttruck.com

CESC2178AME (01/22) © 2022 MLE B.V. (registration no. 33274459). All rights reserved. CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Yellow", the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

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.



WATCH
VIDEOS



DOWNLOAD
OUR APP

