

Specifications

DP60

DP70

DP80

DP90

CAT® Lift
Trucks



IC pneumatic lift trucks
6.0 - 9.0 ton

Characteristics							
1.1	Manufacturer (Abbreviation)			Caterpillar	Caterpillar	Caterpillar	Caterpillar
1.2	Manufacturer's model designation			DP60	DP70	DP80	DP90
1.3	Power source: Battery, diesel, LP gas, petrol			Diesel	Diesel	Diesel	Diesel
1.4	Operator type : Pedestrian, (operator)-standing, -seated			Seated	Seated	Seated	Seated
1.5	Lifting capacity	Q	(t)	6.0	7.0	8.0	9.0
1.6	At load centre	c	(mm)	600	600	600	600
1.8	Load distance	x	(mm)	585	585	675	755
1.9	Wheelbase	y	(mm)	2300	2300	2580	2580
Weight							
2.1	Truck weight, without load / including battery		kg	8715	9325	11390	13230
2.2	Axle loading with rated load, front/rear		kg	13255 / 1460	14660 / 1665	17330 / 2060	19950 / 2280
2.3	Axle loading without rated load, front/rear		kg	4160 / 4555	4050 / 5275	5390 / 6000	6220 / 7010
Wheels, Drive Train							
3.1	Tyre type: V=solid, L=pneumatic, SE=solid pneumatic, front/rear			L / L	L / L	L / L	L / L
3.2	Tyre dimensions, front			8.25 x 15- 12PR	8.25 x 15- 12PR	9.00 x 20- 12PR	9.00 x 20- 14PR
3.3	Tyre dimensions, rear			8.25 x 15- 12PR	8.25 x 15- 12PR	9.00 x 20- 12PR	9.00 x 20- 14PR
3.5	Number of wheels, front/rear (x=driven)			4x / 2	4x / 2	4x / 2	4x / 2
3.6	Distance between centreline of tyres, front	b10	(mm)	1650	1650	1820	1820
3.7	Distance between centreline of tyres, rear	b11	(mm)	1650	1650	1750	1750
Dimensions							
4.1	Mast tilt, forwards/backward	α/β	(°)	6 / 12	6 / 12	15 / 10	15 / 10
4.2	Height with mast lowered	h1	(mm)	2720	2720	2925	3120
4.3	Standard free lift	h2	(mm)	200	200	220	-
4.4	Standard lift height	h3	(mm)	4000	4000	4000	4000
4.5	Overall height with mast raised	h4	(mm)	5280	5280	5325	5490
4.7	Height to top of overhead guard	h6	(mm)	2420	2420	2565	2565
4.8	Seat height	h7	(mm)	1320	1320	1455	1455
4.12	Tow coupling height	h10	(mm)	485	485	585	585
4.19	Overall length	l1	(mm)	4810	4855	5210	5390
4.20	Length to fork face (includes fork thickness)	l2	(mm)	3590	3635	3990	4170
4.21	Overall width (dual tyres)	b1/b2	(mm)	2175	2175	2390	2390
4.22	Forks dimensions (thickness, width, length)	s,e,l	(mm)	60 x 150 x 1220	60 x 150 x 1220	60 x 180 x 1220	70 x 180 x 1220
4.23	Fork carriage to DIN 15 173 A/B/no			IV A/No	IV A/No	No	No
4.24	Fork carriage width	b3	(mm)	1780	1780	1830	2180
4.31	Ground clearance under mast, with load	m1	(mm)	140	140	220	210
4.32	Ground clearance centre of wheelbase, with load	m2	(mm)	255	255	280	280
4.33	Working aisle width with 1000 x1200 mm pallets	Ast	(mm)	5095	5180	5615	5790
4.34	Working aisle width with 800 x1200 mm pallets	Ast	(mm)	4895	4980	5415	5590
4.35	Turning circle radius	Wa	(mm)	3310	3395	3740	3835
4.36	Minimum distance between centres of rotation	b13	(mm)	1260	1260	1475	1475
Performance							
5.1	Travel speed, with/without load		km/h	23.0 / 27.5	22.0 / 27.5	28.5 / 33.5	27.0 / 33.0
5.2	Lifting speed, with/without load		m/s	0.44 / 0.47	0.44 / 0.47	0.50 / 0.53	0.41 / 0.43
5.3	Lowering speed, with/without load		m/s	0.55 / 0.55	0.55 / 0.55	0.50 / 0.50	0.40 / 0.40
5.5	Rated drawbar pull, with/without load (60 min short duty)		N	50000 / 23000	50000 / 23000	71950 / 41700	71250 / 42100
5.7	Gradeability, with/without load		%	27.0 / 25.0	24.0 / 23.0	41.0 / 29.0	34.0 / 28.0
5.9	Acceleration time, with/without load (0 - 15 m)		s	6.8 / 5.6	6.8 / 5.6	6.3 / 5.7	6.3 / 5.7
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)			Hydraulic	Hydraulic	Pneum. /Hydr.	Pneum. /Hydr.
I.C. Engine							
7.1	Manufacturer / Type			Mitsubishi / S6S	Mitsubishi / S6S	Mitsubishi / 6D16-T	Mitsubishi / 6D16-T
7.2	Rated output B according to ISO 1585		kW	70.0	70.0	100	100
7.3	Rated speed according to DIN 70020		rpm	2300	2300	2200	2200
7.4	Number of cylinders / Displacement		/ cm3	6 / 4996	6 / 4996	6 / 7545	6 / 7545
7.5	Fuel consumption according to VDI cycle		l/h	-	-	-	-
Miscellaneous							
8.1	Type of drive control			Powershift / 2	Powershift / 2	Powershift / 3	Powershift / 3
8.2	Operating pressure for attachments		bar	191	191	181	181
8.3	Oil flow for attachments		l/min	-	-	-	-
8.4	Noise level, mean value at operator's ear		dB (A)	-	-	-	-
8.5	Towing coupling design / DIN type, ref.			-	-	-	-



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DP60 • DP70						DP60	DP70
Mast type	h3 mm	h1 mm	h4 mm	h2 mm	h5 mm	Q @ 600mm kg	Q @ 600mm kg
Simplex	3000	2570	4280	200	-	6000	7000
	3300	2720	4580	200	-	6000	7000
	3500	2820	4780	200	-	6000	7000
	3700	2920	4980	200	-	6000	7000
	4000	3070	5280	200	-	6000	7000
	4500	3320	5780	200	-	6000	7000
	5000	3670	6280	200	-	6000	7000
	5500	3920	6780	200	-	5800	6700
	6000	4170	7280	200	-	5600	6400
	6500	4420	7780	200	-	5400	6200
	6600	4470	7880	200	-	5000	5800
7000	4670	8280	200	-	4200	5000	
Triplex	3700	2375	4980		1095	5500	6200
	4000	2475	5280		1195	5500	6200
	4300	2575	5580		1295	5500	6200
	4500	2645	5790		1365	5500	6200
	4700	2725	5980		1445	5400	6200
	5000	2825	6280		1545	5300	6200
	5500	3075	6780		1795	5100	6000
	6000	3245	7290		1965	4900	5700
	6500	3425	7780		2145	4700	5400
	7000	3575	8280		2295	4300	4600
	7500	3745	8790		2485	3600	3800
8000	3925	9280		2645	2900	3100	

DP80						DP80
Mast type	h3 mm	h1 mm	h4 mm	h2 mm	h5 mm	Q @ 600mm kg
Simplex	3000	2775	4325	220	-	8000
	3300	2925	4625	220	-	8000
	3500	3025	4825	220	-	8000
	3700	3125	5025	220	-	8000
	4000	3275	5325	220	-	8000
	4500	3525	5825	220	-	8000
	5000	3875	6325	220	-	8000
	5500	4125	6825	220	-	7800
	6000	4375	7325	220	-	7600
	6500	4625	7825	220	-	7400
	6600	4675	7925	220	-	6900
7000	4875	8325	220	-	5800	
Triplex	3700	2575	5025		1250	7500
	4000	2675	5325		1350	7500
	4300	2775	5625		1450	7500
	4500	2845	5835		1520	7500
	4700	2925	6025		1600	7500
	5000	3025	6325		1700	7500
	5500	3275	6825		1950	7200
	6000	3445	7325		2120	6800
	6500	3625	7825		2300	6500
	7000	3775	8325		2450	5800
	7500	3945	8825		2620	5100
8000	4125	9325		2800	4500	

Mast Performance and Capacity

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

Consult your dealer for the maximum back tilt allowed to obtain the capacities specified.

DP90					DP90
Mast type	h3 mm	h1 mm	h4 mm	h2 mm	Q @ 600mm kg
Simplex	3000	2970	4490		9000
	3300	3120	4790		9000
	3500	3270	4990		9000
	3700	3370	5190		9000
	4000	3520	5490		9000
	4500	3820	5990		9000
	5000	4070	6490		9000
	5500	4320	6990		8700
	6000	4620	7490		8400
	6500	4870	7990		8000
	6600	4920	8090		7400
7000	5170	8490		6600	



Consult your dealer for availability of the Caterpillar DeLuxe cab

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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 Caterpillar Lift Truck Dealer. Caterpillar follows a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.