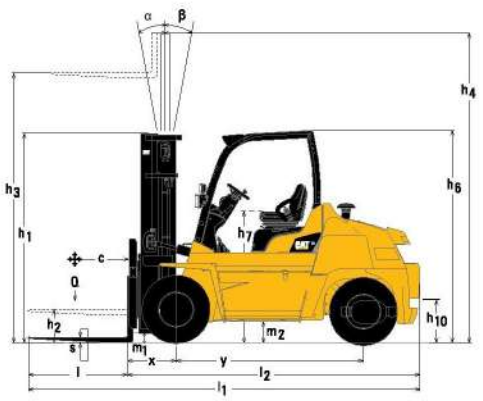
Engine powered lift trucks
7.0 tonnes **DP70NMS**
Preliminary specifications


	Characteristics			
1.1	Manufacturer (abbreviation)			Cat Lift Trucks
1.2	Manufacturer's model designation			**DP70NMS**
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)	7000
1.6	Load centre distance	c	(mm)	600
1.8	Load distance, axle to fork face	x	(mm)	585
1.9	Wheelbase	y	(mm)	2300
	Weight			
2.1	Truck weight, without load / including battery (simplex mast, lowest lift height)		kg	9470
2.2	Axle loading with maximum load, front/rear (simplex mast, lowest lift height)		kg	14910 / 1560
2.3	Axle loading without load, front/rear (simplex mast, lowest lift height)		kg	4270 / 5200
	Wheels, Drive Train			
3.1	Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear			L
3.2	Tyre dimensions, front			8.25X15-12PR
3.3	Tyre dimensions, rear			8.25X15-12PR
3.5	Number of wheels, front/rear (x=driven)			4X / 2
3.6	Track width (centre of tyres), front	b10	(mm)	1650
3.7	Track width (centre of tyres), rear	b11	(mm)	1650
	Dimensions			
4.1	Mast tilt, forwards/backwards	α/β	°	6 / 12
4.2	Height with mast lowered (see tables)	h1	(mm)	2720
4.3	Free lift (see tables)	h2	(mm)	200
4.4	Lift height (see tables)	h3	(mm)	~~3300~~
4.5	Overall height with mast raised	h4	(mm)	~~4277~~
4.7	Height to top of overhead guard	h6	(mm)	2610
4.8	Seat height	h7	(mm)	1592
4.12	Tow coupling height	h10	(mm)	485
4.19	Overall length	l1	(mm)	4800
4.20	Length to fork face (includes fork thickness)	l2	(mm)	3580
4.21	Overall width	b1/b2	(mm)	2170
4.22	Fork dimensions (thickness, width, length)	s, e, l	(mm)	60 / 150 / ~~1220~~
4.23	Fork carriage to DIN 15 173 A/B/no			-
4.24	Fork carriage width	b3	(mm)	1600
4.31	Ground clearance under mast, with load	m1	(mm)	170
4.32	Ground clearance at centre of wheelbase, with load (forks lowered)	m2	(mm)	263
4.33	Working aisle width with 1000 x1200 mm pallets, crosswise	Ast	(mm)	5095
4.34a	Working aisle width with 800 x1200 mm pallets, lengthwise	Ast	(mm)	5290
4.35	Turning circle radius	Wa	(mm)	3310
4.36	Minimum distance between centres of rotation	b13	(mm)	1260
	Performance			
5.1	Travel speed, with/without load		km/h	22.5 / 28.0
5.2	Lifting speed, with/without load		m/s	0.43 / 0.48
5.3	Lowering speed, with/without load		m/s	0.50 / 0.50
5.5	Rated drawbar pull, with/without load		N	27100 / 37300
5.7	Gradeability, with/without load		%	24 / 27
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)			Hydraulic
	IC Engine			
7.1	Manufacturer / Type			S6S
7.2a	Rated / Nominal output to ISO 1585		kW	70
7.3	Rated speed to DIN 70 020		rpm	2300
7.4	Number of cylinders / cubic capacity		/cm³	6/4996
7.5	Fuel consumption according to VDI 60 cycle		l/h / kg/h	-
	Miscellaneous			
8.1	Type of drive control			Torque Converter
8.2	Maximum operating pressure for attachments		bar	191
8.3	Oil flow for attachments		l/min	-
8.4	Noise level, value at operator's ear (EN 12053)		dB(A)	86.5
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)