



*Note : Picture above is for illustration purpose only. Please contact your local dealer for more information.

Internal Combustion Pneumatic Tire Lift Trucks

DP70-100NH

Capacity: 7 Tons to 10 Tons





SIMPLY POWERFUL

A Best-in-Class Engine, Meets Operational Simplicity

The Cat® DP70-100NH lift truck is a no-nonsense, no-fuss workhorse that gets the job done.

Built with the raw power, reliability and efficiency in mind, the DP70-100NH features:

- The most powerful engine in its class
- A no-frills chassis that packs all the essentials
- Simple, easy-to-use controls and functions that operators are familiar with
- Safety features that ensure operator security, such as travel hydraulic interlock
- Excellent productivity with a rigid mast, along with fast lifting and travel speeds

UNRIVALLED POWER

Equipped with the most powerful engine in its class, the DP70-100NH is a beast of a performer.

DP70-100NH outperforms its rivals in its weight class with:

- Superior lifting speeds
- Faster travel speeds, even on slopes
- Higher torque
- Better all-around performance

Engine

Type: 6BG1 (Direct-injection diesel engine)

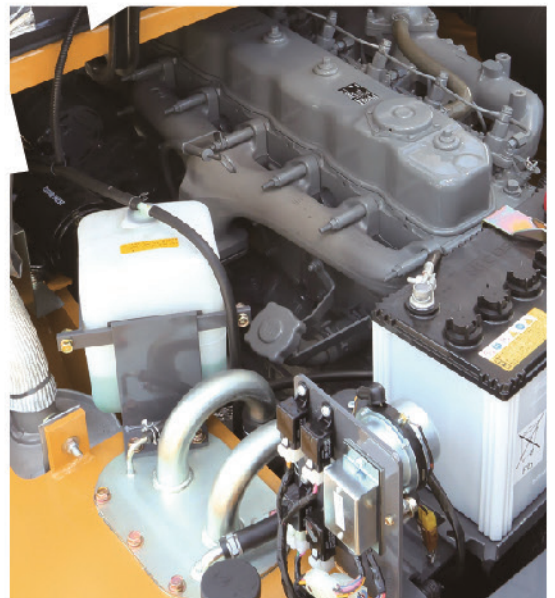
Total Displacement: 6,494cc

Rated Output: 82.4kW (112pm)/2000rpm

Lift Speed

Without load: 550mm/s

***The value is for DP70NH**





IMPROVED PRODUCTIVITY

Get more done, in less time, with a truck that's engineered with all the basics you need.

Rigid Wide View Mast

An extremely rigid, durable mast provides the DP70-100NH with the stability to lift, carry and load at speed - keeping speed and productivity high.



Automatic Transmission, Electric Shift

Operators of all experience levels will appreciate how simple and smooth it is to drive the DP70-100NH. Its automatic two-speed transmission control and electric shift lever make it easy to change gears and direction, even while handling heavy loads.



Glove Box with Pen Holder

A simple, elegant solution that neatly stores an operator's gloves, pens and beverage cans.



Cabin (Optional)

Upgrade your DP70-100NH with a cabin that allows your operators to continue working comfortably, even when the environment gets harsh. Wind shield with wiper, as well as air conditioning and heating are some other types of available options.



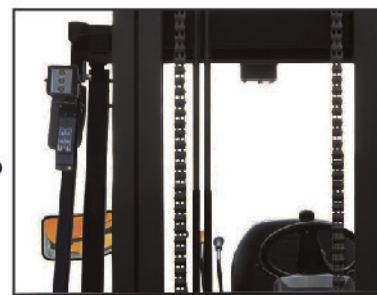
ENHANCED SAFETY

Essential safety features on the DP70-100NH ensure that your operators stay safe, while they focus on getting their work done.



◀ LED Lights

These energy saving lights are bright, long lasting and available as back up, head and turn signal lights.

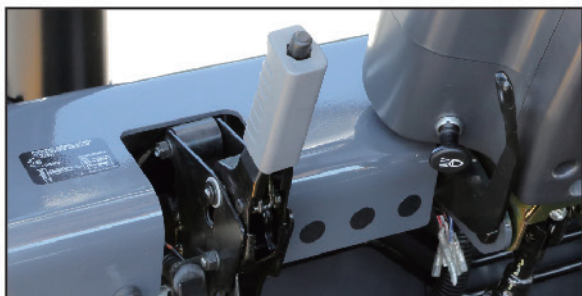


Travel Hydraulic Interlock

Sensors in the lift truck's seat automatically enable travel and hydraulics when an operator is safely seated in the vehicle, and disables them where no operator presence is detected. ▼

Parking Brake with Safety Device

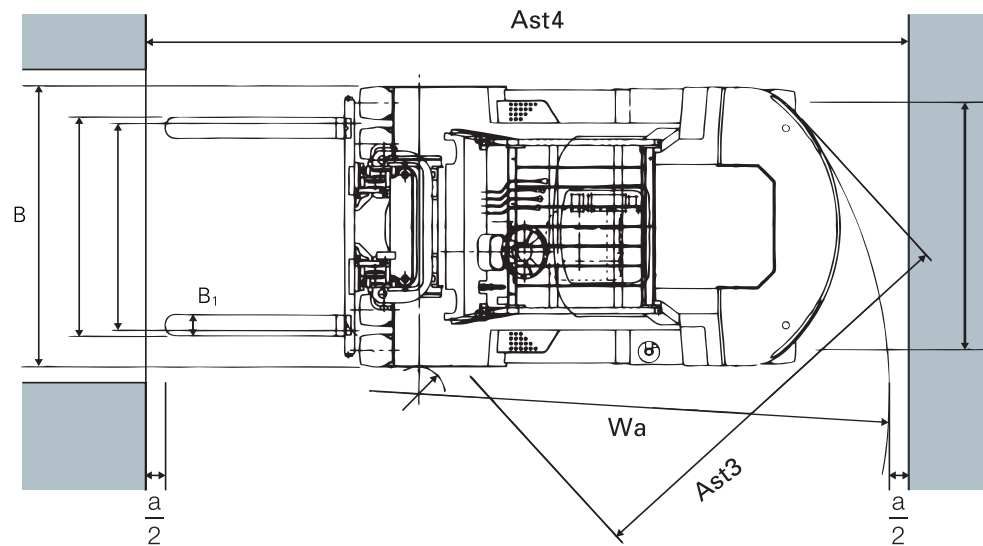
A safety device on the brake of every lift truck prevents the lever from being released by accident, ensuring that parking brakes only unlock when operators want it to. ▼



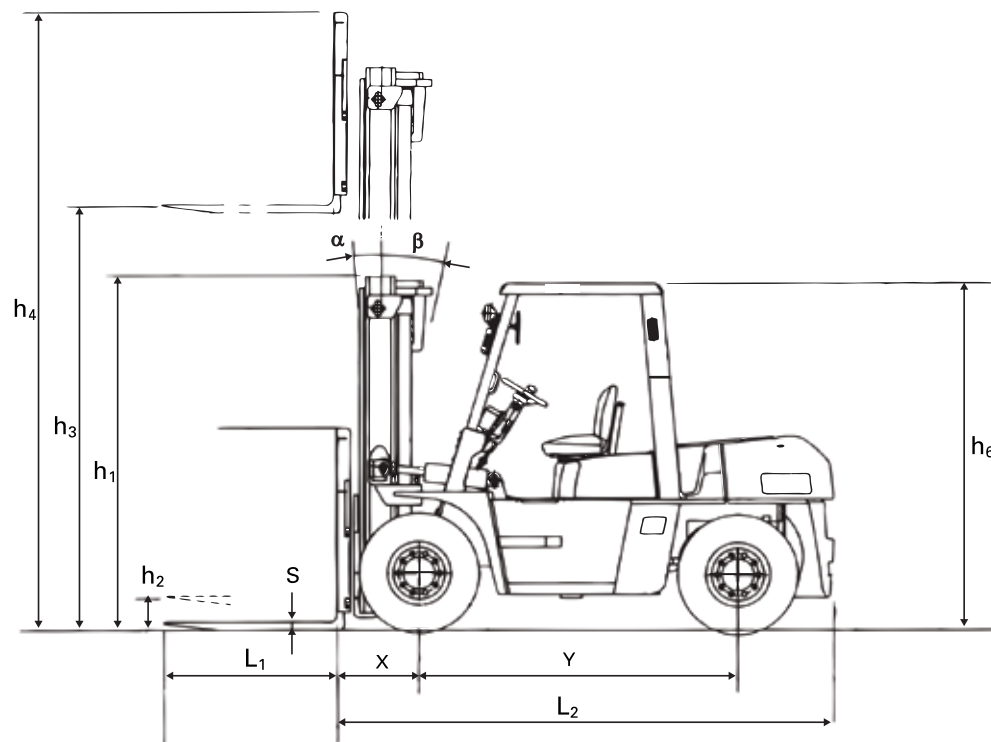
Specifications

Characteristics						
1	Model			DP70NH	DP80NH	DP100NH
2	Capacity	Q	kg	7000	8000	10000
3	Load Centre	C	mm	600	600	600
4	Power source: (battery, diesel, LPG, petrol)			Diesel	Diesel	Diesel
5	Operator type: pedestrian, (operator)-standing, -seated			Seated	Seated	Seated
Dimensions						
6	Lift height	h ₃	mm	3000	3000	3000
7	Free lift	h ₂	mm	215	205	205
8	Fork dimension (length, width, thickness)	L ₁ / B ₁ / S	mm	1220 x 150 x 70	1220 x 170 x 75	1220 x 180 x 75
9	Tilt angle (forward/backward)	α/β	°	6/12	6/12	6/12
10	Length to fork face (includes fork thickness)	L ₂	mm	3690	3980	4245
11	Overall width	B	mm	1995	2165	2245
12	Height with mast lowered	h ₁	mm	2500	2700	2850
13	Overall height with mast raised	h ₄	mm	4420	4420	4330
14	Height to top of overhead guard	h ₆	mm	2450	2560	2560
15	Load distance, axle to fork face	X	mm	625	720	710
Performance						
16	Travel speed, with/without load		km/h	26.0 / 30.0	25.0 / 30.0	24.0 / 30.0
17	Lifting speed, with/without load		mm/s	460 / 550	450 / 470	390 / 410
18	Lowering speed, with/without load		mm/s	450 / 500	450 / 450	470 / 340
19	Rated drawbar pull, with/without load		N	52900 / 21600	57300 / 27400	57300 / 31400
20	Gradeability Max, with/without load		%	29 / 19	27 / 19	22 / 20
21	Turning radius	Wa	mm	3420	3630	3880
22	Right Angle Stacking Isle Width	Ast 4	mm	5465	5770	6010
Weight						
23	Truck weight, without load		kg	9410	11150	12540
24	Axle loading with maximum load, front/rear		kg	14500 / 1910	17130 / 2020	20260 / 2280
25	Axle loading without load, front/rear		kg	3690 / 5720	4900 / 6250	5580 / 6960
Wheels, Chassis						
26	Tyres (front/rear)			Pneumatic/Pneumatic	Pneumatic/Pneumatic	Pneumatic/Pneumatic
27	Number of wheels, front/rear (x-driven)			4x / 2	4x / 2	4x / 2
28	Tyre dimensions, front			8.25X15-14PR	9.00X20-14PR	9.00X20-14PR
29	Tyre dimensions, rear			8.25X15-14PR	9.00X20-14PR	9.00X20-14PR
30	Wheelbase	Y	mm	2300	2500	2800
31	Tread width (centre of tyres), front		mm	1470	1600	1600
32	Tread width (centre of tyres), rear		mm	1700	1700	1700
33	Ground clearance under mast (lowest point)		mm	190	245	245
34	Ground clearance at centre of frame		mm	230	335	335
Brake						
35	Parking brake			Hand/Mechanical	Hand/Mechanical	Hand/Mechanical
36	Service brake			Foot/Hydraulics	Foot/Hydraulics	Foot/Hydraulics
Powertrain						
37	Manufacturer / Type			Isuzu 6BG1	Isuzu 6BG1	Isuzu 6BG1
38	Rated output (JIS112)		kW/rpm	82.4/2000	84.6/2100	84.6/2100
39	Max torque (JIS42.5)		Nm/rpm	416.5/1500	416.5/1500	416.5/1500
40	Number of cylinders / cubic capacity		cm ³	6 / 6494	6 / 6494	6 / 6494
41	Type of drive control (Number of gears, forward/reverse)			Powershift 2/2	Powershift 2/2	Powershift 2/2
42	Maximum operating pressure for attachments		Mpa (kgf/cm ²)	19.6 (200)	19.6 (200)	19.6 (200)
43	Battery (Number-Volts/Ampere hrs)			2 x 12V - 70Ah/20h	2 x 12V - 70Ah/20h	2 x 12V - 70Ah/20h
44	Noise level, value at operator's ear (EN 12053)		dB(A)	85	85	85

DP70-100NH



$$Ast4 = Wa + X + L_1 + a \quad (a = 7.9\text{in}/200\text{mm})$$





Cat Lift Trucks offer a complete range of durable lift trucks, from gasoline, LPG, diesel-powered and electric counterbalance lift trucks to warehouse equipment designed to handle your toughest applications. We know you demand uncompromising quality from lift trucks that maximize uptime and get the job done efficiently. Our rugged machines deliver day after day by providing you with all the life-cycle cost of ownership benefits you've come to expect from Cat Lift Trucks.

LET'S DO THE WORK.™

**TOTAL MACHINE
SATISFACTION.**



© 2022 by Caterpillar. All Rights Reserved. CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate 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.

FCAT0169-01 (09/2022) Printed in Singapore

