



KEY SPECIFICATION COMPARISON

The following section compares critical truck specifications between major lift truck manufactures around the world. The specifications compared are features that are a part of the standard truck configurations between all manufactures. Some of the Key Specifications compared are listed below:

General Information: Tilt Angles, Wheelbase, fork size and spread, Drive and Steer tire sizes

Engine (s): Horsepower, Displacement, Torque

Transmission: Standard – Automatic – Power shift, 1 speed or 2 speed

Performance Data: Maximum Fork Height (MFH) with rated capacity, Traction Speeds – Loaded and Unloaded, Gradeability, Drawbar Pull

Mast Assembly: Maximum Fork Height, Over All Height (OAH)
Maximum FreeLift

8000# PNEUMATIC COMPETITIVE FEATURE & SPECIFICATION COMPARISON

MANUFACTURER	HYSTER	CATERPILLAR	CLARK	KOMATSU	NISSAN	TOYOTA	YALE	MITSUBISHI	LINDE	TCM
General Information										
Model	H80XM	GP40 \ GD40	CGP40 \ CGD40	FG40ZT-7 \ FD40TZ-7	P80Y \ PD807	6FGU35 \ 6FDU35	GP80LJ \ GPD80LJ	FG35	H40T LP H40D Diesel	FHG36T Gas FHD36T Diesel
Capacity	8000 Lbs.	8000 Lbs.	8000 Lbs.	8000 Lbs.	8000 Lbs.	8000 Lbs.	8000 Lbs.	8000 LBS.	8000 Lbs.	8000 Lbs.
Tilt Angles \ Standard Mast (degree)	6 Forward \ 12 back	6 Forward \ 12 Back	8 Forward \ 8 Back	6 Forward \ 12 Back	6 Forward \ 12 Back	6 Forward \ 12 Back	6 Forward \ 12 Back	6 Forward \ 12 Back	6 Forward \ 9.5 Back	6 Forward \ 12 Back
Load Center	24 Inch	24 Inch	24 Inch	24 Inch	24 Inch	24 Inch	24 Inch	24 Inch	24 Inch	24 Inch
Power \ Fuel Type	Gas \ LP or Diesel	Gas \ LP or Diesel	Gas \ LP \ Diesel	Gas \ LP or Diesel	Gas \ LP or Diesel	Gas \ LP or Diesel	Gas \ LP or Diesel	Gas \ LP or Diesel	LP or Diesel	Gas \ LP or Diesel
Drive & Steer Wheels	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
Total over all Length	115.4	122	111.4	115.5	119.9	115	115.3	122	115	114
Wheelbase	72	78.5	71.5	72	70.9	70.9	72	78.5	74.8	71
Standard Fork Size	2 x 5	2 x 6 x 48	2 x 5 x 42	2 X 6 X 42	2 x 5	2 x 6 x 42	2 x 5	2 x 6 x 48	2 x 6 x 42	2 x 6 x 42
Standard Fork Spread	44.3	47	44	45.3	N \ A		40.8	47	N \ A	47
Drive (front) Tire Size	250 x 15	8.3 x 15 -14PR	250 x 15 - 18 PR	250 - 15 - 12PR	8.25 x 15-12PR	28 x 12.5 -15-20PR	250 x 15	8.3 x 15 - 14PR	250 X 15 - 16PR	250 X 15 - 16PR
Steer (rear) Tire Size	7.00 x 12	7 X 12 - 12PR	7.00 X 12 - 12 PR	7.00 - 12 - 12PR	7.00 X 12-12PR	7.00 - 12 - 12PR	7.00 x 12	7 X 12 X 12PR	250 X 15 - 16PR	250 X 15 - 16PR
Height:to top of OHG	89.4	88.5	91	85.2	88.8	86.7	89.5	88.5	94.5	83.1
Ground Clearance: mast	4.9	5.9	4.3	5.5	6.1	4.7	6	5.9	5.8	5.7
Ground Clearance: Center of Wheelbase	7.6	9.8	9.9	6.7	N / A	7.1	7.9	9.8	9.1	6.1
Engine										
Make	GM 4.3L Gas Perkins 1004.42 Diesel	Mitsu 6G72 Gas & LP Mitsu S6S Diesel	GM 4.3L Gas & LP Perkins 1004.42 Diesel	Nissan TB42 Gas 6D102E Diesel	Nissan TB42 Gas TD42 Diesel	Toyota 4.3L Gas Toyota 4.3L Diesel	GM 4.3L Gas Perkins 1004.42 Diesel	Mitsu 6G72 Gas & LP \ Mitsu S6S Diesel	Perkins G4.401 LP Perkins 1004.4 Diesel	Nissan H25 Gas \ LP Isuzu H4JG2 Diesel
Horsepower: Gas \ LP \ Diesel	93.5 \ 84.9 \ 78.7	61 \ 61 \ 84	72 \ 72 \ 82	88 \ 88 \ 95	89 \ 89 \ 84	90 \ 90 \ 84	93.5 \ 84.9 \ 80.6	61 \ 61 \ 84	66 \ 66	60 \ 66
Displacement: Gas & LP \ Diesel	263 \ 258	181 \ 305	262 \ 243	203 \ 253	254.4	262 \ 281	262 \ 258	181 \ 305	244 \ 244	151 \ 187
Number of Cylinders: Gas & LP \ Diesel	6 \ 4	6	6 \ 4	6	6	6	6 \ 4	6	4 \ 4	4 \ 4
Torque @ RPM Gas & LP \ Diesel	228.5 @ 2150 RPM 214 @ 1350 RPM	147 @ 1,800 RPM 184 @ 1600 RPM	235 @ 2000 210 @ 1400	88 @ 2300RPM 95 @ 2150 RPM	224 @ 1800 RPM 203 @ 1600 RPM	90 @ 2350 RPM 84 @ 2200 RPM	228.5 @ 2150 RPM(G) 207 @ 2150 RPM(LP) 192 @ 2000 RPM(D)	147 @ 1,800 RPM 184 @ 1600 RPM	N \ A	132 @ 1,600 RPM 152 @ 1,600 RPM
Transmission										
	1 Speed Powershift (2 speed powershift is optional)	1 Speed Powershift	Power Shift 2 Speed Forward 2 Speed Back	Torqflow (Power Shift)	1 Speed Powershift	Power shift 2 speed Forward 1 Speed Back	Power shift 2 speed Forward 1 Speed Back	1 Speed Powershift	Hydrostatic	2 Speed Powershift
Performance Data										
Maximum Fork Height Rated Capacity	169.5	157	172	169	N \ A	179	170.7	157	161.5	157.5
Minimum Outside Turn Radius	99.9	108	101.5	100.4	107.7	102	100.5	108	102.9	102.4
Minimum Aisle Right Angle Stacking	121.7	129	121.1	120.5	129.1	123	119.6	129	122	123.2
Travel Speed Loaded: Gas & LP \ Diesel	11.5 MPH	12.4 MPH	13.1 \ 12.3 MPH	11.8 \ 11.2 MPH	11.8 MPH	13.7 MPH	14.6 MPH	12.4 MPH	14.9	15 MPH
Gradeability Loaded @ 1 MPH Gas & LP \ Diesel	39% \ 32%	27%	28.70%	32% \ 35%	36 % \ 31%	46% \ 47%	40.6 % \ 33.1 %	27%	29%	27% \ 29%
Maximum Draw Bar Pull (Lbs. Loaded) Gas&LP \ Diesel	7,059 Lbs. \ 6,654 Lbs.	N \ A	8,100 Lbs \ 8,420 Lbs	6,410 Lbs. \ 7,230 Lbs.	7,475 Lbs \ 6,755 Lbs	9,040 Lbs.	7,059 Lbs \ 6,677 Lbs.	N/A	6,157 Lbs.	3,100 Lbs. \ 3,400 Lbs.
Lifting Speeds (Loaded \ Unloaded)	110.4 \ 116.4	89 \ 104 Gas & LP 94 \ 104 Diesel	107 \ 115 Gas & LP 92 \ 97 Diesel	100 \ 112 Gas 110 \ 116 Diesel	94.5 \ 96.5	101 \ 109	113.6 \ 123 Gas & LP 116.4 \ 129 Diesel	89 \ 104 Gas & LP 94 \ 104 Diesel	108 \ 114	78.8 \ 82.7 LP & Gas 78.8 \ 86.6 Diesel
Lowering Speeds (Loaded \ Unloaded)	106.2 \ 94.2	98 \ 98	80 \ 70	94 \ 94	88.6 \ 88.6	99 \ 109	107.5 \ 93	98 \ 98	108 \ 108	88.6 \ 108.3
Hydraulic Attachment Relief Pressure	2250 psi	2775 psi	2300 psi	N \ A	N \ A	2630 psi	2250 psi	2775 psi	2,755 psi	2,630 psi
Mast										
Standard Mast OAH	85.5	90.5	92	88.6	84.6	83	85.5	90.5	86	82.1
Standard Mast MFH	152	130	125	130	118	120	122	130	114	167.9
Standard Mast Free Lift	6	5.9	6.5	6.7	5.1	4.3	5.9	5.9	4.4	5.9
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