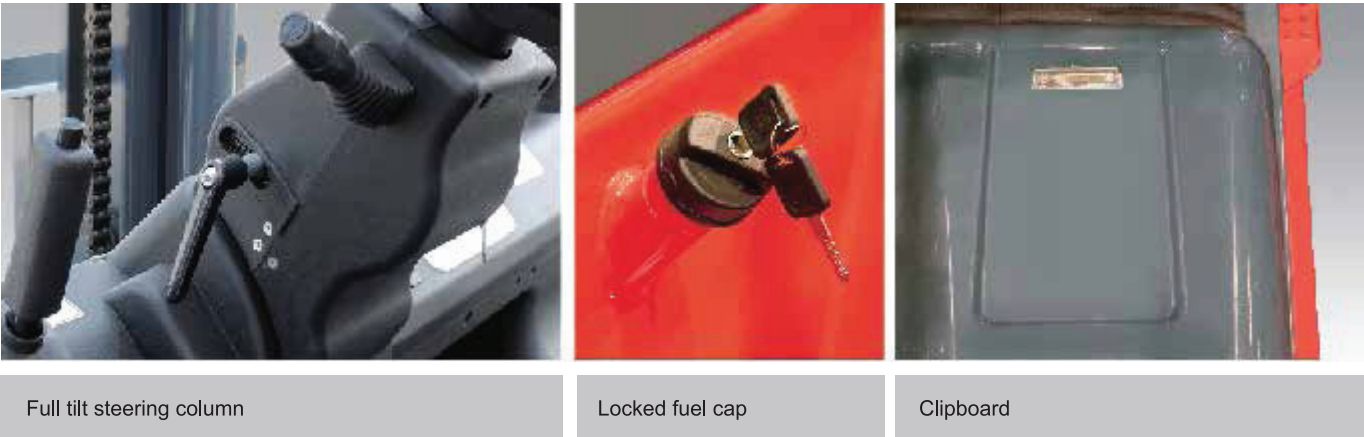


CPYD55-70 & CPCD55-100

HELI
LIFTING THE FUTURE

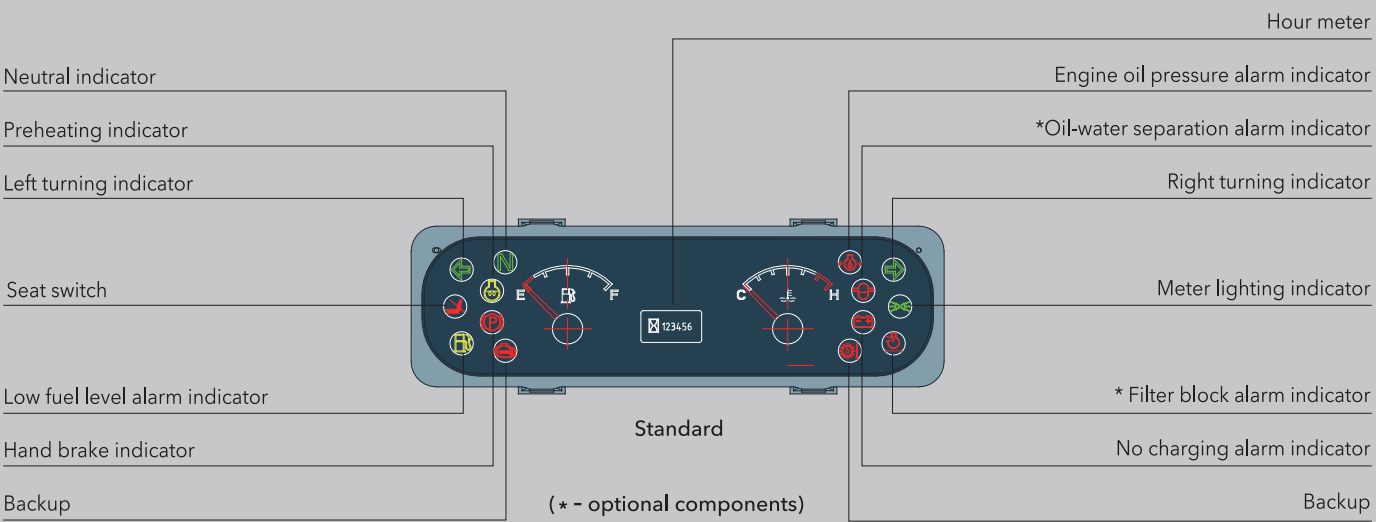


> Automatic 2-Speed

> This unit is equipped with a fully automatic 2-speed transmission that smoothly shifts between 1st and 2nd gears eliminating the need for the operator to perform this function and to match speed and load requirements.

> Accessibility

> The engine compartment hood opens a full 80 degrees and there are no tools required to remove the floor plate for easy access to the powetrain, hydraulic and cooling components.



Standard Configuration			
Hour meter	Front combo lights	Standard pallet forks	Tow pin
Horn	Transmission oil filter	Neutral start switch	Semi-suspension seat
Low oil pressure alarm	Parking brake	Hydraulic system oil filter	Hydraulic oil gauge
Control valve	Water temperature gauge	Oil pressure gage	Transmission oil gauge
Power steering	Rear combo lights	Charge indicator light	Instrument display panel
Rubber floor mat	Back-up alarm	Wide view mast	Dual pneumatic tires
Load backrest	Tilt-lock valve	High air intake	Tool case with manuals
Rear view mirror	Tilting steering column	Independent lift & tilt handles	

Optional Devices and Accessories			
Full steel cab	High vertical exhaust (Diesel models)	Transmission oil temperature gauge	Optional attachments
Air conditioner (Diesel models)	Dual air filter	Tilt cylinder boots	Disk brakes
Wind shield	Dual solid tires	Steering cylinder boots	
LED rotating light	Rear LED work lights	Custom paint color	



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Our products are subject to improvements and changes without notice.

AUTHORIZED DEALER

Catalog No.171012 HELI Print

11-22,000 lbs (5-10t)
G Series Pneumatic Tire Forklift
CPYD55-70 & CPCD55-100



HELI
LIFTING THE FUTURE

Top 10 Forklift
Manufacturer In The World

Gseries

> Floating Operator's Compartment

> The operator's compartment is suspended on vibration dampening rubber mounts. With the addition of a semi suspension seat as standard, operator fatigue is reduced which improves operator and equipment efficiency.

> Ambient Noise Reduction

> The engine compartment is fully insulated to reduce ambient noise levels generated by the engine, transmission and hydraulic systems.

> Cooling System

> Equipped with a industry exclusive high capacity all aluminum radiator, the Heli CPCD50-100 forklifts run significantly cooler under both normal and heavy operating conditions, which increases the life and efficiency of both the engine and transmission.

> Hydraulic System

> The hydraulic system is engineered and designed for optimized performance which improves the engine operating efficiency and lowers fuel consumption.

> Ease of Operation

> Heli CPCD50-100 forklifts are designed utilizing the latest engineering techniques matching the function of the unit to comfort of the operator including ease of entry & exit, excellent visibility, accessibility to the operator controls and more.



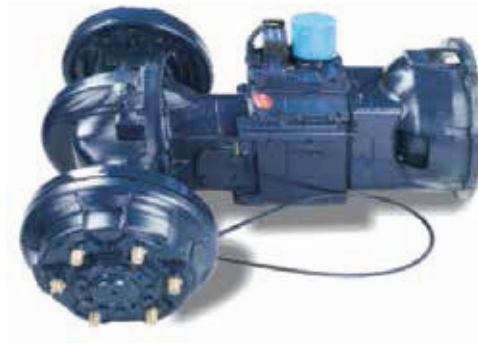
Sealed compartment for electrical controls



Standard LED light package



Ratchet-style parking brake



Standard planetary drive axle

CPYD55-70 & CPCD55-100

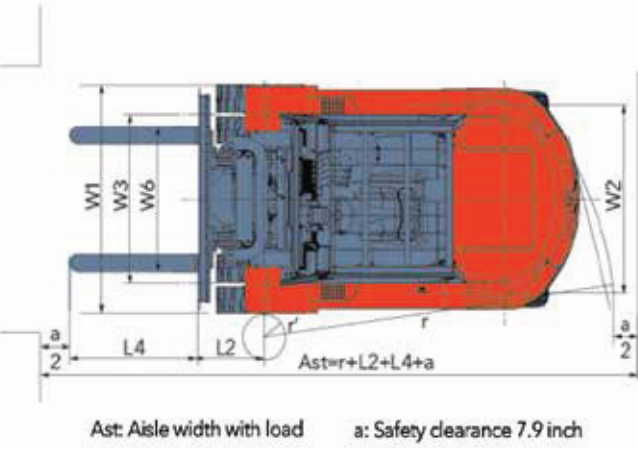
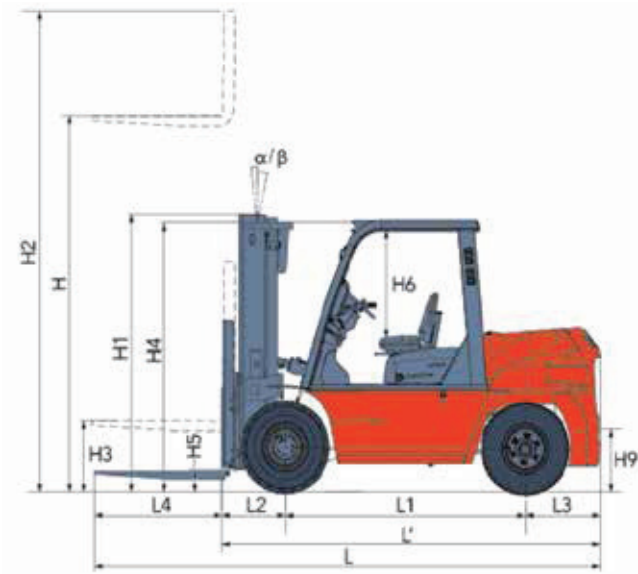


Manufacturer's Data and Design Characteristics						
Characteristics						
1.01	Model		CPCD55	CPCD60	CPCD70	CPCD85 CPCD100
1.02	Power type		Diesel			
1.03	Rated Capacity	lb(kg)	11,000 (5000)	6000 (13,000)	15,500 (7000)	18,500 (8500) 22,000 (10,000)
1.04	Load Center	in(mm)	24 (600)			
Dimensions						
2.01	Max. Lift height with backrest	H2 in(mm)	173.2 (4400)	173.2 (4400)	173.2 (4400)	174 (4420) 173.8 (4415)
2.02	Max. fork height	H in(mm)	118 (3000)			
2.03	Overall mast lowered height	H1 in(mm)	98.4 (2500)	98.4 (2500)	98.4 (2500)	106.3 (2700) 112.2 (2850)
2.04	Free Lift Height	H3 in(mm)	7.9 (200)	7.9 (200)	7.9 (200)	7.9 (200) 7.9 (200)
2.05	Operator clearance (from face of seat)	H6 in(mm)	41.7 (1060)	41.7 (1060)	41.7 (1060)	41.7 (1060) 41.7 (1060)
2.06	Overall height (overhead guard)	H4 in(mm)	96.5 (2450)	96.5 (2450)	96.5 (2450)	100.8 (2560) 100.8 (2560)
2.07	Overall length (with 48" forks)	L in(mm)	185.4 (4710)	188.6 (4790)	190.6 (4840)	204 (5180) 213.8 (5430)
2.08	Overall length (without forks)	L' in(mm)	137.4 (3490)	140.6 (3570)	142.5 (3620)	155.9 (3960) 165.7 (4210)
2.09	Front overhand	L2 in(mm)	23.2 (590)	23.4 (595)	23.6 (600)	27.8 (705) 28.4 (720)
2.10	Rear overhang	L3 in(mm)	23.6 (600)	26.6 (675)	28.3 (720)	29.7 (755) 28.1 (715)
2.11	Wheel base	L1 in(mm)	90.6 (2300)	90.6 (2300)	90.6 (2300)	98.4 (2500) 109.3 (2775)
2.12	Tow Pin center height	H9 in(mm)	16.1 (410)	16.1 (410)	16.1 (410)	20.5 (520) 20.5 (520)
2.13	Min. ground clearance under mast	H5 in(mm)	7.9 (200)	7.9 (200)	7.9 (200)	9.8 (250) 9.8 (250)
2.14	Overall width	W1 in(mm)	80.5 (2045)	80.5 (2045)	80.5 (2045)	85.2 (2165) 85.2 (2165)
2.15	Lateral fork adjustment outside of fork (Max./Min.)	W6 in(mm)	72.2-11.8 (300-1835)	72.2-11.8 (300-1835)	72.2-11.8 (300-1835)	76.5-13.7 (348-1944) 81.1-16.5 (420-2060)
2.16	Tread (front)	W3 in(mm)	59.8 (1520)	59.8 (1520)	59.8 (1520)	63 (1600) 63 (1600)
2.17	Tread (rear)	W2 in(mm)	66.9 (1700)	66.9 (1700)	66.9 (1700)	66.9 (1700) 66.9 (1700)
2.18	Outside turning radius	r in(mm)	127.6 (3240)	129.9 (3300)	132.7 (5390)	143.7 (3650) 153.5 (3900)
2.19	Inside turning radius	r' in(mm)	7.9 (200)	7.9 (200)	7.9 (200)	7.9 (200) 7.9 (200)
2.20	Min. right angle stacking aisle width (with pallet 48"x48")	Ast in(mm)	206.7 (5250)	209.3 (5315)	212.2 (5390)	227.4 (5755) 237.8 (6040)
2.21	Mast Tilting angles (forward/backward)	α / β	6°/12°	6°/12°	6°/12°	6°/12° 6°/12°
2.22	Fork dimensions (LxWxT)	L4 in(mm)	48x5.9x2.17 (1220x150x55)	48x5.9x2.36 (1220x150x60)	48x5.9x2.56 (1220x150x65)	48x6.7x2.76 (1220x170x70) 48x6.9x3.15 (1220x175x80)
Weights*						
3.01	Service Weight	lb(kg)	17968 (8150)	19621 (8900)	20944 (9500)	25133 (11400) 27580 (12510)
3.02	Axle Wheel with load (Front/Rear)	lb(kg)	26081 / 12052 (11830 / 1320)	29388 / 3461 (13330 / 1570)	31857 / 4159 (14450 / 2050)	39132 / 4740 (17750 / 2150) 44158 / 5467 (20030 / 2480)
3.03	Axle Wheel without load (Front/Rear)	lb(kg)	8929 / 9039 (4050 / 4100)	8830 / 10792 (4005 / 4895)	8598 / 12346 (3900 / 5600)	11817 / 13316 (5360 / 6040) 12148 / 15432 (5510 / 7000)
Tires						
4.01	Wheels number front/rear (x=driven)		4X/2			4X/2
4.02	Tire Type		Pneumatic			Pneumatic
4.03	Tire size (front)		8.25-15-14PR			9.00-20-14PR
4.04	Tire size (rear)		8.25-15-14PR			9.00-20-14PR
4.05	Service Brake		Power brake-pedal type			
4.06	Paking Brake		Mechanical-Hand brake lever type			
Drive						
5.01	Battery (Voltage/Capacity)	V/Ah	2x12/80			
5.02	Fuel Tank Capacity	L(gal)	42 (159)			
5.03	Transmission type		Intelligent gear shifting			
5.04	Transmission Number of Speed Fwd/Bwd		2/2			

* Service Weights and Axle Loads are for standard configuration, M300 mast and Cummins 3.8L engine

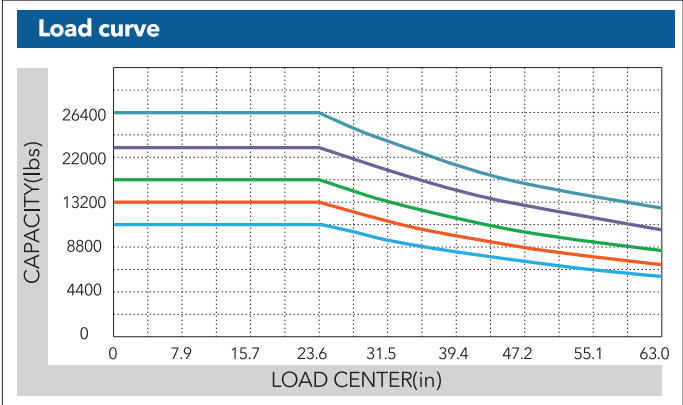
Engine model and truck main specifications

Truck specifications											
Model		CPCD55	CPCD60	CPCD70	CP(Q,Y)D55	CP(Q,Y)D60	CP(Q,Y)D70	CPCD55	CPCD60	CPCD70	CPCD85 CPCD100
Max.traveling speed (loaded/unloaded)	mph (km/hr)	13.7/15.5 (22/25)	13.7/15.5 (22/25)	13.7/15.5 (22/25)	16.3/18.8 (26.2/30.3)	16.3/18.8 (26.2/30.3)	16.3/18.8 (26.2/30.3)	18/19.3 (29/31)	18/19.3 (29/31)	18/19.3 (29/31)	18.6/19.9 (30/32) 18.6/19.9 (30/32)
Lifting speed (loaded/unloaded)	ft/min (mm/s)	92.5/102.4 (470/520)	84.7/102.4 (430/520)	77.8/102.4 (395/520)	76.8/80.7 (390/410)	76.8/80.7 (390/410)	76.8/80.7 (390/410)	96.5/102.4 (490/520)	96.5/102.4 (490/520)	96.5/102.4 (490/520)	78.7/82.7 (400/420) 65/68.9 (330/350)
Lowering speed (loaded/unloaded)	ft/min (mm/s)	59.1/118.1 (300/600)									
Max.Draw bar (loaded)	lbs (kN)	11,520 (60)	11,520 (60)	11,520 (60)	10,800 (48)	10,800 (48)	10,600 (47.2)	13500 (60)	13500 (60)	13500 (60)	13500 (60) 13100 (58.3)
Max.Gradeability (loaded/unloaded)	%	36/19	34/19	33/19	35/19	34/20	31/19	42/20	36/20	32/20	24/20 21/20
Weight (oil included)	lbs (kg)	17970 (8150)	19620 (8900)	20940 (9498)	17593 (7980)	19246 (8730)	20569 (9330)	17968 (8150)	19621 (8900)	20944 (9500)	25133 (11400) 27580 (12510)
Engines specifications											
Engine manufacturer/model		Deutz TCD 3.6 L04					PSI 4.3 Tier IV	Cummins QSF3.8 T4F			
Engine rated power/rotational speed	hp(kW)/rpm	74 (55.2) / 2200					100 (74.6) / 2300	119 (89) / 2300			
Engine rated torque/rotational speed	lb-ft(Nm)/rpm	305 (414) / 1300					240 (325.4) / 1700	360 (488) / 1700			
Cylinder number		4					6	4			
Engine displacement	cu in (L)	220 (3.6)					262 (4.3)	232 (3.8)			



Ast: Aisle width with load

a: Safety clearance 7.9 inch



NOTE: Capacities shown are reference only. They are computed with mast in vertical position based on 48 inch cube load configuration with center of gravity at true center of cube and standard forks. Longer forks and unusually wide loads can reduce capacity. Consult dealer for any questions about capacities.

Certifications: These Heli models are CSC and CE certified and also meet all requirements of ANSI B56.1-2012 and OSHA Regulation 29CFR1910.178. All dimensional and performance specifications shown are for reference and subject to change without notice.

CPCD55-70 Wide View Mast								
Mast model	Max. fork height (in)	Load capacity (lb @ load center 24 in)			Mast lowered height (in)	Service weight (lb)		
		CPCD55	CPCD60	CPCD70		CPCD55	CPCD60	CPCD70
M300	118	11000	13200	15400	98.4	17968	19621	20944
M330	130	11000	13200	15400	104.3	18078	19731	21054
M350	137	11000	13200	15400	108.3	18148	19801	21124
M375	148	11000	13200	15400	113.2	18238	19891	21204
M400	157	11000	13200	15400	120.1	18608	20261	21584
M450	177	11000	13200	15400	129.9	18788	20441	21764
M475	187	11000	13200	15400	134.8	18868	20521	21844
M500	196	11000	13200	15400	139.8	1958	20611	21934
M550	216	10450	12540	14520	151.6	19398	21051	22374
M600	236	9680	11880	14080	161.4	19578	21231	22554

Mast model	Max. fork height (mm)	Load capacity (kg @ load center 600mm)			Mast lowered height (mm)	Service weight (kg)		
		CPCD55	CPCD60	CPCD70		CPCD55	CPCD60	CPCD70
M300	3000	5000	6000	7000	2500	8150	8900	9500
M330	3300	5000	6000	7000	2650	8200	8950	9550
M350	3500	5000	6000	7000	2750	8232	8982	9582
M375	3750	5000	6000	7000	2875	8273	9022	9618
M400	4000	5000	6000	7000	3050	8441	9190	9790
M450	4500	5000	6000	7000	3300	8522	9272	9872
M475	4750	5000	6000	7000	3425	8558	9308	9908
M500	5000	5000	6000	7000	3550	8599	9349	9949
M550	5500	4750	5700	6600	3850	8799	9549	10149
M600	6000	4400	5400	6400	4100	8881	9630	10230

CPCD55-70 Wide View Full Free 3-Stage Mast									
Mast model	Max. fork height (in)	Load capacity (lb @ load center 24 in)			Mast lowered height (in)	Free lift with backrest (in)	Service weight (lb)		
		CPCD55	CPCD60	CPCD70			CPCD55	CPCD60	CPCD70
ZSM360	141	9900	12320	13640	91.9	35.8	19488	20921	22424
ZSM400	157	9900	12320	13640	97.2	40.9	19618	21051	22554
ZSM435	171	9900	12320	13640	101.8	45.5	19748	21181	22655
ZSM450	177	9900	12320	13640	103.7	47.4	19968	21401	22834
ZSM480	189	9900	12320	13640	107.9	51.6	20168	21601	23054
ZSM500	196	9900	12320	13640	110.4	54.3	20238	21671	23124
ZSM540	212	9240	11660	13200	115.7	59.4	20388	21821	23494
ZSM600	236	8800	11000	12100	123.6	67.3	20588	22021	23674
ZSM650	256	7920	9460	9900	134.1	77.8	20828	22171	24154
ZSM700	275	6160	7700	8140	138.4	82.1	21158	22501	24394

Mast model	Max. fork height (mm)	Load capacity (kg @ load center 600mm)			Mast lowered height (mm)	Free lift with backrest (mm)	Service weight (kg)		
		CPCD55	CPCD60	CPCD70			CPCD55	CPCD60	CPCD70
ZSM360	3600	4500	5600	6200	2335	910	8840	9590	10171
ZSM400	4000	4500	5600	6200	2470	1040	8899	9549	10230
ZSM435	4350	4500	5600	6200	2585	1156	8958	9608	10271
ZSM450	4500	4500	5600	6200	2634	1204	9057	9707	10357
ZSM480	4800	4500	5600	6200	2740	1310	9148	9798	10457
ZSM500	5000	4500	5600	6200	2805	1380	9180	9830	10489
ZSM540	5400	4200	5300	6000	2940	1510	9248	9898	10657
ZSM600	6000	4000	5000	5600	3140	1710	9339	9989	10738
ZSM650	6500	3500	4500	5000	3405	1975	9448	10057	10956
ZSM700	7000	3200	4000	4500	3515	2085	9597	10206	11065

Note: For CPCD55-60, the free lift without backrest increases 15 in.(381mm). For CPCD70, it increases 8.9 in.(226mm).

CPCD85-100 Wide View Mast								
Mast model	Max. fork height (in)	Load capacity (lb @ load center 24 in)		Mast lowered height (in)		Service weight (lb)		Titing angle Fwd/Bwd (deg.)
		CPCD85	CPCD100	CPCD85	CPCD100	CPCD85	CPCD100	
M300	118	18700	22000	106.3	112.2	25133	27580	6°/12°
M330	130	18700	22000	112.2	118.1	25273	27710	6°/12°
M350	137	18700	22000	116.1	122.0	25353	27820	6°/12°
M375	148	18700	22000	121.1	127.0	25443	27920	6°/12°
M400	157	18700	22000	128.0	133.9	25903	28240	6°/12°
M450	177	18700	22000	138.8	143.7	26103	28540	6°/12°
M475	187	18700	22000	142.7	148.6	26163	28610	6°/6°
M500	196	18700	22000	147.6	153.5	26323	28720	6°/6°
M550	216	17270	19800	159.4	165.4	26583	29273	3°/6°
M600	236	16280	17600	169.3	175.2	27053	29490	3°/6°