

**11-22,000 lbs (5.5-10t)
G Series Pneumatic Tire Forklift
CP(Q)(Y)D55-70 & CPCD55-100**



G series

HELI
LIFTING THE FUTURE

Top 10 Forklift
Manufacturer In The World

> 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

CP(Q)(Y)D55-70 & CPCD55-100



Full tilt steering column



Locked fuel cap



Clipboard

> 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.



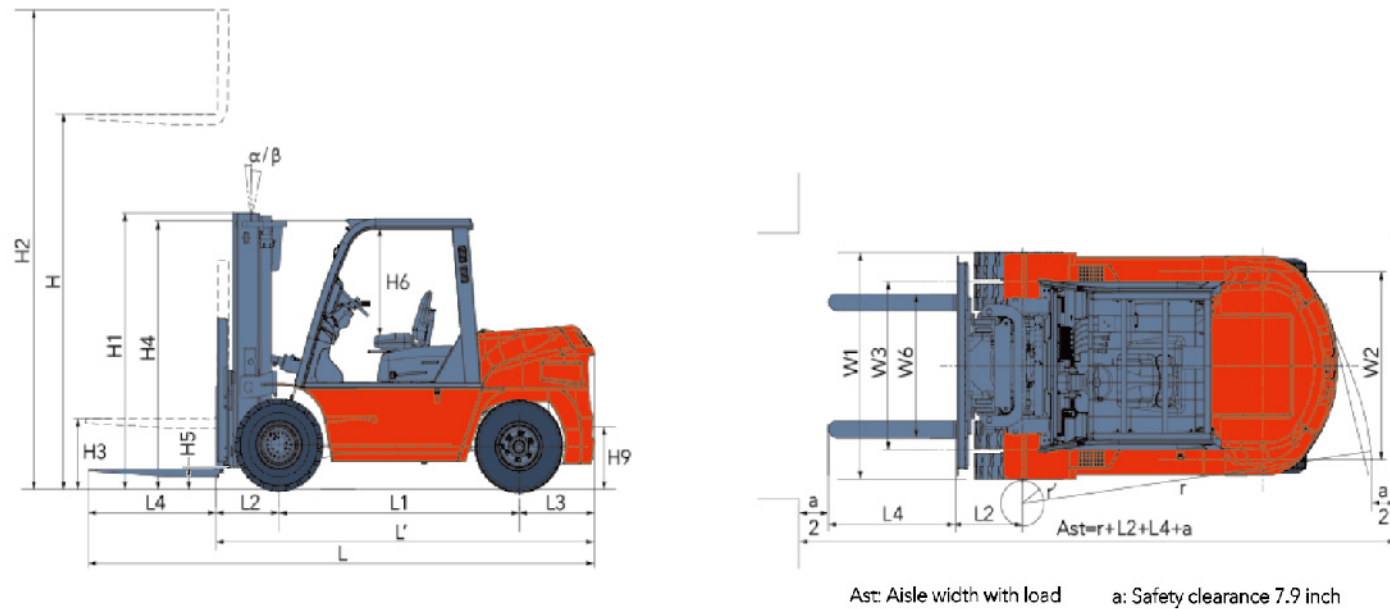
CP(Q)(Y)D55-70 & CPCD55-100

Manufacturer's Data and Design Characteristics

Characteristics								
1.01	Model			CPCD55 CP(Q)(Y)D55	CPCD60 CP(Q)(Y)D60	CPCD70 CP(Q)(Y)D70	CPCD85	CPCD100
1.02	Power type			Diesel				
1.03	Rated Capacity	lbs		11000	13000	15500	18500	22000
1.04	Load Center	in		24				
Dimensions								
2.01	Max. Lift height with backrest	H2	in	173.2	173.2	173.2	174	173.8
2.02	Max. fork height	H	in	118				
2.03	Overall mast lowered height	H1	in	98.4	98.4	98.4	106.3	112.2
2.04	Free Lift Height	H3	in	7.9	7.9	7.9	7.9	7.9
2.05	Operator clearance (from face of seat)	H6	in	41.7	41.7	41.7	41.7	41.7
2.06	Overall height (overhead guard)	H4	in	96.5	96.5	96.5	100.8	100.8
2.07	Overall length (with 48" forks)	L	in	185.4	188.6	190.6	204	213.8
2.08	Overall length (without forks)	L'	in	137.4	140.6	142.5	155.9	165.7
2.09	Front overhand	L2	in	23.2	23.4	23.6	27.8	28.4
2.10	Rear overhang	L3	in	23.6	26.6	28.3	29.7	28.1
2.11	Wheel base	L1	in	90.6	90.6	90.6	98.4	109.3
2.12	Tow Pin center height	H9	in	16.1	16.1	16.1	20.5	20.5
2.13	Min. ground clearance under mast	H5	in	7.9	7.9	7.9	9.8	9.8
2.14	Overall width	W1	in	80.5	80.5	80.5	85.2	85.2
2.15	Lateral fork adjustment outside of fork (Max./Min.)	W6	in	72.2-11.8	72.2-11.8	72.2-11.8	76.5-13.7	81.1-16.5
2.16	Tread (front)	W3	in	59.8	59.8	59.8	63	63
2.17	Tread (rear)	W2	in	66.9	66.9	66.9	66.9	66.9
2.18	Outside turning radius	r	in	127.6	129.9	132.7	143.7	153.5
2.19	Inside turning radius	r'	in	7.9	7.9	7.9	7.9	7.9
2.20	Min. right angle stacking aisle width (with pallet 48"x48")	Ast	in	206.7	209.3	212.2	227.4	237.8
2.21	Mast Tilting angles (forward/backward)	α / β		6°/12°	6°/12°	6°/12°	6°/12°	6°/12°
2.22	Fork dimensions (LxWxH)	L4	in	48x5.9x2.17	48x5.9x2.36	48x5.9x2.56	48x6.7x2.76	48x6.9x3.15
Weights								
3.01	Service Weight	lbs		18300	19950	21300	25500	27900
3.02	Axle Wheel with load (Front/Rear)	lbs		26320/3000	29540/3640	31970/4740	39340/4860	44460/5500
3.03	Axle Wheel without load (Front/Rear)	lbs		9100/9200	8950/11000	8530/12740	11200/14260	12280/15630
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	Parking Brake			Mechanical-Hand brake lever type				
Drive								
5.01	Battery (Voltage/Capacity)	V/Ah		2x12/80				
5.02	Fuel Tank Capacity	GAL		42				
5.03	Transmission type			Intelligent gear shifting				
5.04	Transmission Number of Speed Fwd/Bwd			2/2				

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	13.7/15.5	13.7/15.5	13.7/15.5	16.3/18.8	16.3/18.8	16.3/18.8	18.1/19.4	18.1/19.4	18.1/19.4	18.8/20	18.8/20	
Lifting speed(loaded/unloaded)	ft/min	92.5/102.4	84.7/102.4	77.8/102.4	76.8/80.7	76.8/80.7	76.8/80.7	96.5/102.4	96.5/102.4	96.5/102.4	78.7/82.7	78.7/82.7	
Lowering speed(loaded/unloaded)	ft/min	59.1/118.1											
Max.Draw bar(loaded)	lbs	11520	11520	11520	10800	10800	10600	13950	13950	13950	13050	13050	
Max.Gradeability(loaded/unloaded)	%	36/19	34/19	33/19	38/19	35/19	31/19	42/20	36/20	32/20	24/20	21/20	
Weight(oil included)	lb	17970	19620	20940	17600	19300	20600	18300	20000	21300	25200	27600	
Axle load(loaded)front/rear	lb	26080/2910	29390/3460	31860/4520	26000/3000	29000/3700	31300/4800	26400/3000	29600/3700	32100/4800	39000/4800	44200/5500	
Axle load(unloaded)front/rear	lb	8930/9040	8830/10790	8600/12350	8400/9200	8300/11000	7830/12800	9100/9200	9000/11000	8500/12800	11800/13300	12200/15500	
Engines specifications													
Engine manufacturer/mode		Deutz TCD 3.6 L04				PSI 4.3 Tier IV			Cummins QSF3.8 T4F				
Engine rated power/rotational speed	hp/rpm	74/2200				100/2300			119/2200				
Engine rated torque/rotational speed	lb. ft/rpm	305/1300				240/1700			360/1600				
Cylinder number		4				6			4				
Engine displacement	Liters	3.6				4.3			3.8				



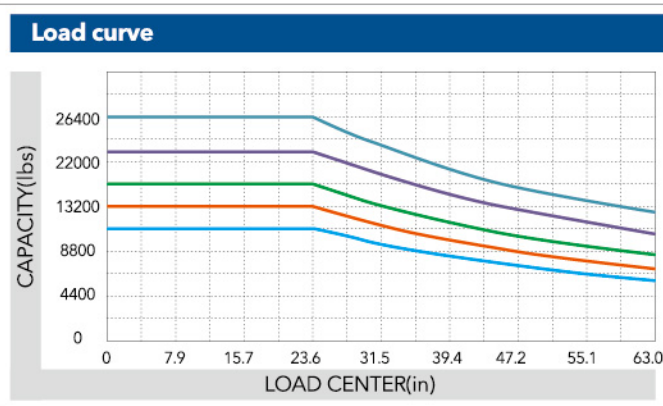
11,000-15,500lbs Wide View Mast

Mast model	Max. Fork Height (inch)	Load Capacity (lbs@load center 24inch)			Overall Lower Height (inch)	Service weight (lbs)			Tilting angle Fwd/Bwd (deg.)
		CPCD55 CP(Q)(Y)D55	CPCD60 CP(Q)(Y)D60	CPCD70 CP(Q)(Y)D70		CPCD55/60/70 CP(Q)(Y)D55/60/70	CPCD55 CP(Q)(Y)D55	CPCD60 CP(Q)(Y)D60	
M300	118	11000	13200	15400	98.4	18570	20220	21540	6°/12°
M330	130	11000	13200	15400	104.3	18680	20330	21650	6°/12°
M350	137	11000	13200	15400	108.3	18750	20400	21720	6°/12°
M375	148	11000	13200	15400	113.2	18840	20490	21800	6°/12°
M400	157	11000	13200	15400	120.1	19210	20860	22180	6°/12°
M450	177	11000	13200	15400	129.9	19390	21040	22360	6°/12°
M475	187	11000	13200	15400	134.8	19470	21120	22440	6°/6°
M500	196	11000	13200	15400	139.8	19560	21210	22530	6°/6°
M550	216	10450	12540	14520	151.6	20000	21650	22970	3°/6°
M600	236	9680	11880	14080	161.4	20180	21830	23150	3°/6°

11,000-15,500lbs Wide View Full Free 2-Stage Mast

Mast model	Max. Fork Height (inch)	Load Capacity (lbs@load center 24inch)			Overall Lower Height (inch)	Free Lift with backrest (inch)	Service weight (lbs)			Tilting angle Fwd/Bwd (deg.)
		CPCD55 CP(Q)(Y)D55	CPCD60 CP(Q)(Y)D60	CPCD70 CP(Q)(Y)D70			CPCD55/60/70 CP(Q)(Y)D55/60/70	CPCD55 CP(Q)(Y)D55	CPCD60 CP(Q)(Y)D60	
ZM300	118	11000	13200	15400	96.9	42.9	18810	20240	21780	6°/12°
ZM330	130	11000	13200	15400	102.8	48.8	18920	20350	21890	6°/12°
ZM350	137	11000	13200	15400	106.7	52.8	18990	20420	21960	6°/12°
ZM375	148	11000	13200	15400	111.6	57.7	19080	20500	22050	6°/12°
ZM400	157	11000	13200	15400	118.5	64.6	19430	20860	23400	6°/12°
ZM450	177	11000	13200	15400	128.3	74.4	19600	21040	22580	6°/12°

Note: (1) 11,000-13,000lbs:the free lift without backrest 18.3 inch increased.
 (2) 15,500lbs:the free lift without backrest 12.2 inch increased.



- CPCD55 CP(Q)(Y)D55
- CPCD60 CP(Q)(Y)D60
- CPCD70 CP(Q)(Y)D70
- CPCD85
- CPCD100

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.

11,000-15,500lbs Wide View Full Free 3-Stage Mast

Mast model	Max. Fork Height (inch)	Load Capacity (lbs@load center 24inch)			Overall Lower Height (inch)	Free Lift with backrest (inch)	Service weight (lbs)			Tilting angle Fwd/Bwd (deg.)
		CPCD55 CP(Q)(Y)D55	CPCD60 CP(Q)(Y)D60	CPCD70 CP(Q)(Y)D70			CPCD55/60/70 CP(Q)(Y)D55/60/70	CPCD55 CP(Q)(Y)D55	CPCD60 CP(Q)(Y)D60	
ZSM360	141	9900	12320	13640	91.9	35.8	20090	21520	23020	6°/6°
ZSM400	157	9900	12320	13640	97.2	40.9	20220	21650	23150	6°/6°
ZSM435	171	9900	12320	13640	101.8	45.5	20350	21780	23240	6°/6°
ZSM450	177	9900	12320	13640	103.7	47.4	20570	22000	23430	6°/6°
ZSM480	189	9900	12320	13640	107.9	51.6	20770	22200	23650	3°/6°
ZSM500	196	9900	12320	13640	110.4	54.3	20840	22270	23720	3°/6°
ZSM540	212	9240	11660	13200	115.7	59.4	20990	22420	24090	3°/6°
ZSM600	236	8800	11000	12100	123.6	67.3	21190	22620	24270	3°/6°
ZSM650	256	7920	9460	9900	134.1	77.8	21430	22770	24750	3°/6°
ZSM700	275	6160	7700	8140	138.4	82.1	21760	23100	24990	3°/6°

Note: (1) 11,000-13,000lbs:the free lift without backrest 15.0 inch increased.
 (2) 15,500lbs:the free lift without backrest 8.9 inch increased.

18,500-22,000lbs Wide View Mast

Mast model	Max. Fork Height (inch)	Load Capacity (lbs@load center 24inch)		Overall Lower Height (inch)		Service weight (lbs)		Tilting angle Fwd/Bwd (deg.)
		CPCD85	CPCD100	CPCD85	CPCD100	CPCD85	CPCD100	
M300	118	18700	22000	106.3	112.2	25410	27860	6°/12°
M330	130	18700	22000	112.2	118.1	25550	27990	6°/12°
M350	137	18700	22000	116.1	122.0	25630	28100	6°/12°
M375	148	18700	22000	121.1	127.0	25720	28200	6°/12°
M400	157	18700	22000	128.0	133.9	26180	28520	6°/12°
M450	177	18700	22000	137.8	143.7	26380	28760	6°/12°
M475	187	18700	22000	142.7	148.6	26490	28890	6°/6°
M500	196	18700	22000	147.6	153.5	26600	29000	6°/6°
M550	216	17270	19800	159.4	165.4	27130	29530	3°/6°
M600	236	16280	17600	169.3	175.2	27330	29770	3°/6°

18,500-22,000lbs Wide View Full Free 2-Stage Mast

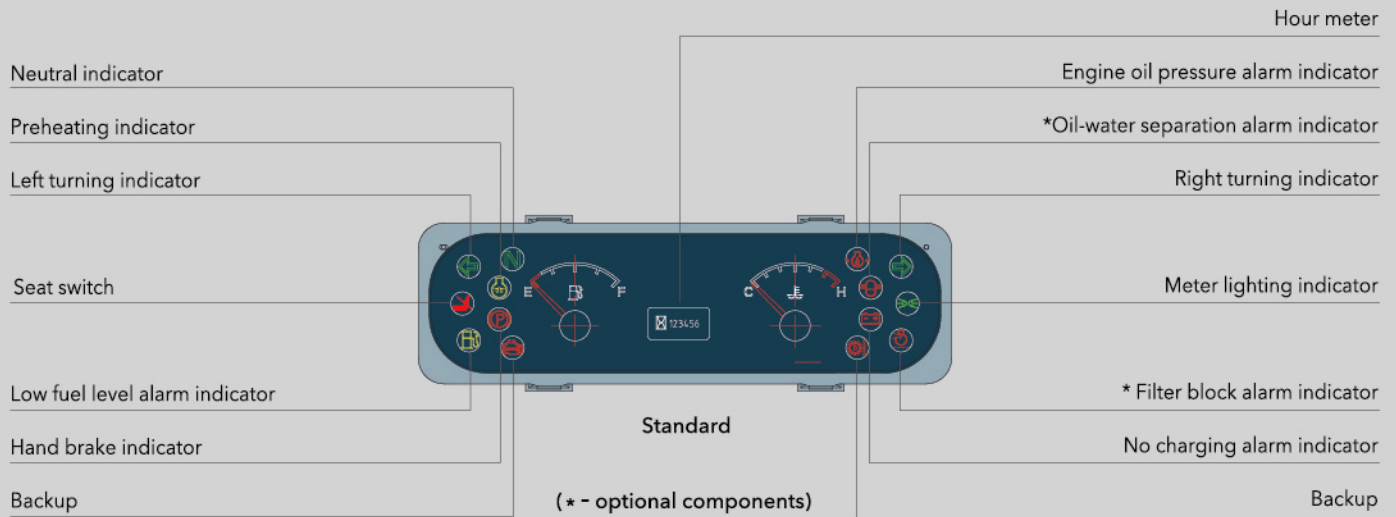
Mast model	Max. Fork Height (inch)	Load Capacity (lbs@load center 24inch)		Overall Lower Height (inch)		Free Lift with backrest (inch)		Service weight (lbs)		Tilting angle Fwd/Bwd (deg.)
		CPCD85	CPCD100	CPCD85	CPCD100	CPCD85	CPCD100	CPCD85	CPCD100	
ZM300	118	18700	22000	106.3	112.2	52.8	61.0	25690	28560	6°/12°
ZM330	130	18700	22000	112.2	118.1	58.7	66.9	25790	25760	6°/12°
ZM350	138	18700	22000	116.1	122.0	62.6	70.9	25920	28910	6°/12°
ZM375	148	18700	22000	121.1	127.0	67.5	75.8	29050	29090	6°/12°
ZM400	157	18700	22000	128.0	133.9	74.4	82.7	26600	29440	6°/12°
ZM450	177	18700	22000	137.8	143.7	84.3	92.5	26900	29770	6°/12°

Note: (1) 18,500lbs:the free lift without backrest 8.7 inch increased.
 (2) 22,000lbs:the free lift without backrest .

18,500-22,000lbs Wide View Full Free 3-Stage Mast

Mast model	Max. Fork Height (inch)	Load Capacity (lbs@load center 24inch)		Overall Lower Height (inch)		Free Lift with backrest (inch)		Service weight (lbs)		Tilting angle Fwd/Bwd (deg.)
		CPCD85	CPCD100	CPCD85	CPCD100	CPCD85	CPCD100	CPCD85	CPCD100	
ZSM360	142	16500	17600	96.5	101.2	42.9	45.3	26270	29240	6°/12°
ZSM400	157	16500	17600	101.4	106.3	47.8	50.4	26430	29370	6°/12°
ZSM435	171	16500	17600	106.3	111	52.8	55.1	26580	29500	6°/12°
ZSM450	177	16500	17600	108.3	113	54.7	57.1	26620	29590	6°/6°
ZSM480	189	16500	17600	112.2	116.9	58.7	61	26760	29640	6°/6°
ZSM500	197	16500	17600	116.1	119.5	62.6	63.6	26910	29750	3°/6°
ZSM540	213	15400	15400	121.1	127	67.5	71.1	27060	29900	3°/6°
ZSM600	236	14080	14300	132.9	134.8	79.3	78.9	27810	30100	3°/6°
ZSM650	256	12760	13200	141.7	141.3	88.2	85.4	28030	30720	3°/6°
ZSM700	276	10560	-	147.6	-	94.1	-	28230	-	3°/6°

Note: (1) 18,500lbs:the free lift without backrest 6.8 inch increased.
 (2) 22,000lbs:the free lift without backrest .



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	



HELI CANADA

5705, place Kubota
 Drummondville (Qc)
 Canada, J2B 6V4
 1-833-HELICAN
 info@heliforklift.ca
 heliforklift.ca

