



Floating Operator's Compartment

The operator's compartment is suspended on vibration dampening rubber mounts in addition to a full suspension seat as standard to reduce the operator fatigue that can reduce operator and equipment efficiency.

Ambient Noise Reduction

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

Cooling System

 Equipped with a high capacity all aluminum radiator, Heli CPCDS0-100 forklifts run significantly cooler underboth normal and heavy operating conditions, which increases the life and efficiency of the engine and transmission.

Hydraulic System

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





Seal ed compartment fo el etrical controls



Standard LED I ght package



Ratchet-style Parking brake



Standard planetary drive axel



Full tilt steering cel umn





Ease of Operation

Heli CPCDS0-100 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.

Automatic 2-Speed

This unit is equipped with a fully automatic 2-speed transmission that smoothly shifts the transmission from 1st to 2nd speed eliminating the need of the operator to perform this function.

Accessibility

The operators daily inspection and normal maintenance is easily performed because the engine compartment hood opens to a full 80 degrees and there are no tools required to remove the floor plates which allows for ease of access to the powertrain, hydraulic and cooling components.







Full tilt steering column

Locked fuel cap

Clipboard

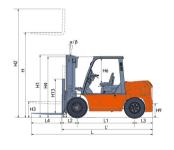
	Characteristics							
	Model			CPCD55	CPCD60	CPCD70	CPCD80	CPCD100
	Power type					Diesel		
	Rated capacity	Q	lbs	11000	13200	15400	18700	22000
	Load ceter	С	in			24		
	Dimensions							
	Max lift height with backrest	H2	in	173.2	173.2	173.2	174.0	173.8
	Standard fork height	н	in	118.1	118.1	118.1	118.1	118.1
	Overall mast lowered height	H1	in	98.4	98.4	98.4	106.3	112.2
	Standard backrest height	НЗ	in	7.9	7.9	7.9	7.9	7.9
	Operator clearance	Н6	in	41.7	41.7	41.7	41.7	41.7
0	Overall height	H4	in	96.5	96.5	96.5	100.8	100.8
1	Overall length(without forks)	Ľ	in	137.4	140.4	142.1	155.7	165.7
2	Front overhang	L2	in	23.2	23.4	23.6	27.8	28.4
3	Rear overhang	L3	in	23.6	26.6	28.3	29.7	28.1
4	Wheel base	L1	in	90.6	90.6	90.6	98.4	109.3
5	Towpin	H9	in	16.1	16.1	16.1	20.5	20.5
6	Minimum ground clearance under mast	H5	in	7.9	7.9	7.9	9.8	9.8
7	Overall width	W1	in	80.5	80.5	80.5	85.2	85.2
В	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
9	Tread(front)	W3	in	59.8	59.8	59.8	63.0	63.0
0	Tread(rear)	W2	in	66.9	66.9	66.9	66.9	66.9
1	Outside turning radius	r	in	127.6	129.9	132.7	143.7	153.5
2	Inside tuming radius	r	in	7.9	7.9	7.9	7.9	7.9
3	Minimum intersecting aisle	Ast	in	126.0	128.3	131.1	141.3	152.0
4	Tilting angles(forward/backward)	α/β	0	6/12	6/12	6/12	6/12	6/12
5	Fork dimension(a×b×C)	L4	in	2.2×48×5.9	2.4×48×5.9	2.6×48×5.9	2.8×48×6.7	3.1*48*6.9
	Weights							
6	Service Mass		lbs	18300	19950	21300	25500	27900
7	Load Wheel with load(Front/Rear)		lbs	26320/3000	29540/3640	31970/4740	39340/4860	44460/5500
8	Load Wheel without load(Front/Rear)		lbs	9100/9200	8950/11000	8530/12740	11200/14260	12280/1563
	Tires							
9	Wheels number front/rear(x=driven)				4X/2			
0	Tire type					Pneumatic		
1	Tire size(front)				8.25-15-14PR		9.00-2	0-14PR
2	Tire size(rear)				8.25-15-14PR		9.00-2	0-14PR
3	Service Brake				Pov	wered brake-pedal	type	
4	Parking Brake				Mecha	nical-hand brake le	veltype	
	DRIVE							
5	Battery(voltage/capacity)		V/Ah			2×12/80		
6	Oil tank capacity		Oil tank capacity GAL Transmission type			42		

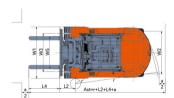
Truck specifications				
Model		CPCD55	CPCD60	CPCD70
Max.traveling speed (loaded/unloaded)	mph	16.3/18.8	16.3/18.8	16.3/18.8
Lifting speed(loaded/unloaded)	ft/min	88.6/92.5	86.6/92.5	82.7/90.6
Lowering speed(loaded/unloaded)	ft/min	59.1/118.1		
Max.Draw bar(loaded)	lbs	9500	9000	9000
Max.Gradeability(loaded/unloaded)	%	23/19	20/19	20/19
Weight(oil included)	lb	18300	20000	21300
Axle load(loaded)front/rear	lb	26400/3000	29600/3700	32100/4800
Axle load(unloaded)front/rear	lb	9100/9200	9000/11000	8500/12800
Engines specificetions				
Engine manufacturer/mode			Mitsubishi S6S-T	
Engine rated power/rotational speed	hp/rpm		90/2300	
Engine rated torque/rotational speed	lb. ft/rpm		210/1700	
Cylinder number			6	
Engine displacement	GAL		1.13	

CPCD55

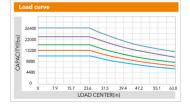
reduce capacity.

CPCD60





Ast: Aisle width with load a: Safety clearance 7.9 inch



Note: Capacities shown are computed with mast in vertical position based on a 48 inch cube load configuration with the center of gravity at the true center of the cube and standard forks. Long forks and unusually wide loads may also

CPCD70

CPCD80

CPCD100



110/2200



CP(Q)(Y)D55	CP(Q)(Y)D60	CP(Q)(Y)D70	CPCD80	CPCD100
16.3/18.8	16.3/18.8	16.3/18.8	16.3/18.8	16.3/18.8
76.8/80.7	76.8/80.7	76.8/80.7	84.6/88.6	68.9/72.8
10800	10800	10600	13500	13100
38/19	35/19	31/19	27/20	22/20
17600	19300	20600	25200	27600
26000/3000	29000/3700	31300/4800	39000/4800	44200/5500
8400/9200	8300/11000	7830/12800	11800/13300	12200/15500

240/1700	360/1500	
6	4	
1.13	1.18	

Mast model	Max. forkheight (inch)	Load capacity(load center23.6inch)			Overall lowered height (inch)	Tilting angle fwd/bwd
		CPCD55	CPCD60	CPCD70	CPCD50/60/70	(deg.)
M200	78.7	196.9	236.2	275.6	78.7	6/12
M250	98.4	196.9	236.2	275.6	88.6	6/12
M270	106.3	196.9	236.2	275.6	92.5	6/12
M300	118.1	196.9	236.2	275.6	98.4	6/12
M330	129.9	196.9	236.2	275.6	104.3	6/12
M350	137.8	196.9	236.2	275.6	108.3	6/12
M375	147.6	196.9	236.2	275.6	113.2	6/12
M400	157.5	196.9	236.2	275.6	120.1	6/12
M425	167.3	196.9	236.2	275.6	125.0	6/12
M450	177.2	196.9	236.2	275.6	129.9	6/12
M475	187.0	196.9	236.2	275.6	134.8	6/6
M500	196.9	196.9	236.2	275.6	139.8	6/6
M550	216.5	187.0	224.4	259.8	151.6	3/6
M600	236.2	173.2	212.6	251.9	161.4	3/6

Mastmodel	Max. forkheight	Load	capacity(load center2	3.6inch)	Overall lowered height (inch) CPCD50/60/70	Free lift (with backrest) (inch)	Tilting angle fwd/bwd (deg.)
	(inch)	CPCD55	CPCD60	CPCD70			
ZM250	98.4	196.9	236.2	275.6	87.0	33.1	6/12
ZM270	106.3	196.9	236.2	275.6	90.9	37.0	6/12
ZM300	118.1	196.9	236.2	275.6	96.9	42.9	6/12
ZM330	129.9	196.9	236.2	275.6	102.8	48.8	6/12
ZM350	137.8	196.9	236.2	275.6	106.7	52.8	6/12
ZM375	147.6	196.9	236.2	275.6	111.6	57.7	6/12
ZM400	157.5	196.9	236.2	275.6	118.5	64.6	6/12
ZM425	167.3	196.9	236.2	275.6	123.4	69.5	6/12
ZM450	177.2	196.9	236.2	275.6	128.3	74.4	6/12
ZM475	187.0	196.9	236.2	275.6	133.3	79.3	6/6
ZM500	196.9	196.9	236.2	275.6	138.2	84.3	6/6
ZM550	216.5	187.0	224.4	263.8	150.0	96.1	3/6
ZM600	236.2	173.2	212.6	251.9	159.8	105.9	3/6

Note: (1)11,000-13,200lbs: the free lift without backrest 18.3 inch increased, (2)15,500lbs: the free lift without backrest 12.2 inch increased,

100/2300



11,000-15,500 lbs WIDE VIEW FULL FREE 3-STAGE MAST Overall lowered height Free lift (with backrest) Max. fork height Tilting angl Load capacity(load center23.6inch) Mast model (deg.) (inch) (inch) CPCD55 CPCD60 CPCD70 CPCD50/60/70 ZSM360 141.7 220.5 220.5 244.1 91.9 35.8 6/6 ZSM400 157.5 40 9 6/6 ZSM435 171.3 220.5 244.1 101.8 45.5 6/6 244.1 ZSM480 189.0 177.2 220.5 107.9 51.6 6/6 177.2 165.4 54.3 59.4 ZSM500 196.9 220.5 244.1 110.4 ZSM540 212.6 208.7 236.2 ZSM600 236.2 157.5 196.9 216.5 123.6 67.3 3/6 ZSM650 141.7 169.3 177.2 134.1 77.8 82.1 3/6 ZSM700 275.6 110.2 118.1 3/6

Note: (1)11,000-13,200lbs: the free lift without backrest 15.0 inch increased,

(2)15,500lbs: the free lift without backrest 8.9 inch increased,

Mast model	Max. forkheight	Load capacity(load center23.6inch)		Overall lower	Tilting angle fwd/bwd	
	(indh)	CPCD80	CPCD100	CPCD80	CPCD100	(deg.)
M250	98.4	334.6	393.7	96.5	102.4	6/12
M270	106.3	334.6	393.7	100.4	106.3	6/12
M300	118.1	334.6	393.7	106.3	112.2	6/12
M330	129.9	334.6	393.7	112.2	118.1	6/12
M350	137.8	334.6	393.7	116.1	122.0	6/12
M375	147.6	334.6	393.7	121.1	127.0	6/12
M400	157.5	334.6	393.7	128.0	133.9	6/12
M425	171.3	334.6	393.7	132.9	138.8	6/12
M450	177.2	334.6	393.7	137.8	143.7	6/12
M475	187.0	323.0	393.7	142.7	148.6	6/6
M500	196.9	323.0	393.7	147.6	153.5	6/6
M550	216.5	309.0	354.3	159.4	165.4	3/6
M600	236.2	291.3	315.0	169.3	175.2	3/6

Mast model	Max. fork height	Load capacity (load center23.6inch)		Overall lowered height (inch)		Free lift (with backrest) (inch)		Tilting angle fwd/bwd
	(inch)	CPCD80	CPCD100	CPCD80	CPCD100	CPCD80	CPCD100	(deg.)
ZM250	98.0	334.6	393.7	96.5	102.4	42.9	51.2	6/12
ZM270	106.0	334.6	393.7	100.4	106.3	46.9	55.1	6/12
ZM300	118.0	334.6	393.7	106.3	112.2	52.8	61.0	6/12
ZM330	130.0	334.6	393.7	112.2	118.1	58.7	66.9	6/12
ZM350	138.0	334.6	393.7	116.1	122.0	62.6	70.9	6/12
ZM375	148.0	334.6	393.7	121.1	127.0	67.5	75.8	6/12
ZM400	157.0	334.6	393.7	128.0	133.9	74.4	82.7	6/12
ZM425	167.0	334.6	393.7	132.9	138.8	79.3	87.6	6/12
ZM450	177.0	334.6	393.7	137.8	143.7	84.3	92.5	6/12
ZM475	187.0	322.8	393.7	142.7	148.6	89.2	97.4	6/6
ZM500	197.0	322.8	393.7	147.6	153.5	94.1	102.4	6/6
ZM550	207.0	309.0	354.3	159.4	165.4	105.9	114.2	3/6
ZM600	236.0	291.3	315.0	169.3	175.2	115.7	124.0	3/6

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

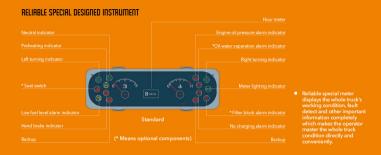
(2)22,00lbs: free lift without backrest

Mast model	Max. fork height	Load capacity (load center23.6inch)		Overall lowered height (inch)		Free lift (with backrest) (inch)		Tilting angle fwd/bwd
	(inch)	CPCD80	CPCD100	CPCD80	CPCD100	CPCD80	CPCD100	(deg.)
ZSM360	141.7	295.3	315.0	96.5	101.2	42.9	45.3	6/12
ZSM400	157.5	295.3	315.0	101.4	106.3	47.8	50.4	6/12
ZSM435	171.3	295.3	315.0	106.3	111.0	52.8	55.1	6/12
ZSM480	189.0	295.3	295.3	112.2	116.9	58.7	61.0	6/6
ZSM500	196.9	295.3	295.3	116.1	119.5	62.6	63.6	3/6
ZSM540	212.6	275.6	276.0	121.1	127.0	67.5	71.1	3/6
ZSM600	236.2	252.0	236.2	132.9	134.8	79.3	78.9	3/6
ZSM650	255.9	228.3	220.5	141.7	141.3	88.2	85.4	3/6
ZSM700	275.6	189.0		147.6	151.8	94.1	95.9	3/6

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

(2)22,00lbs: free lift without backrest





Standard	l configuration		Optional	
Hour mete	er	Overhead guard	Driver's cab	User-specified color
Horn		Standard fork	Warning light	Optional attachments
Oil pressu	re alarm	Neutral gear switch	High air exhausting device	Sling
Control va	lve	Hydraulic circuit oil filter	Double air cleaner	Full LED light ass'y
Wholly hy	draulic-powered steering	Electro-hydraulic changing-over	Suspension seat	Power switch
Rubber pa	ıd	Intelligent shift	Fork extension	Reversing voice speaker
Backrest		Speed-limiting valve	Heater	Universal key
Rear view	mirror	Oil level gauge	Solid tyre	Overspeed 10km/h alarm
Front com	bined lamp (LED light)	Charging indicator	Widen fork carriage	Electric fam
Transmissi	on oil filter	Wide view mast	Wind shield	OPS(Travelling function and loading
Engine fla	me out device	Air intaking device	Purifying muffler	function)
Rachettyp	e parking brake	Durable tire with decorative pattern	Fire extinguisher muffler	
Water tem	perature meter	Lifting and tilting operating handles	Fire extinguisher	
Driver's to	ols	Traction pin	Rear working light	
Rear comb	pined lamp(LED)	Semi-suspension seat	Air conditioner (certain type)	
Reversing	buzzer	Hydraulic oil dipstick	OPS (travelling function)	
Tilt-lock va	ilve	Overhead guard rain cover	Torque converter oil temperature meter	
Tilt adjusta	ble steering column	Torque converter oil dipstick	Tilting cylinder sleeve	
Back view	mirror	Combined instrument	Steering cylinder sleeve	



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