

Reliable special designed instrument

The reliable special instrument gives a complete display of the vital information, like operation status, fault detection, etc. It ensures the operator problemate the vehicle status more intuitive and convenient.

- ✓ Stepping motor core
- ✓ Programmable LCD
- ✓ Electrical safety standard meets CE requirements



4 INCHES 107 pages 401 (series) 02047

5-10 ton
ENGINE POWERED
FORKLIFT

STANDARD EQUIPMENT

- Hour meter
- Horn
- Oil pressure alarm
- Throttle speed control valve
- Power steering
- Rubber pedal pad
- Backrest
- Back view mirror
- Front combined lights
- Transmission oil filter
- Engine flapwood device
- Parking brake cable
- Water temperature meter
- Attached tools
- Rear combined lights
- Rearview buzzer
- Self-locking tilt valve
- Tilt adjustable steering column

OPTIONS

- Cab
- Rotating warning light
- Vertical exhaust
- Divulsi air filter
- Suspension seat
- Extended fork sleeve
- Heater
- Oil meter
- Solution
- Wide fork carriage
- Welding device
- Purifying muffler
- Spark arrested muffler
- Rear working light
- Rear lights
- Air conditioning (extra model)
- Electro-hydraulic switch
- GPS driving control
- Torque converter oil temperature meter



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h2000
SERIES
Reliable forklift

5-10 ton
ENGINE POWERED
FORKLIFT

ENGINE POWERED
FORKLIFT 5-10 ton

Reliable forklift

A reliable Drive system



As the most reliable transmission system produced by HELI, it has been validated by over twenty years' experience in the world market. Meanwhile, various ancillary devices of the power system ensure the reliability effectively.

- ✓ Durable transmission
- ✓ Equipped with the intake system
- ✓ Standard distribution of air filter pressure alarm device
- ✓ Automatic engine preheating system
- ✓ Cyclone Air Filter
- ✓ Various high-power engines are available for customers' optional choices.

A reliable mast



The high internal-qualified mast confirmedly ensures the safety of the operator, truck and cargo. Standard configuration of the wide-view mast enlarges operators' view effectively, and ensures loading/unloading operations more reliable.

- ✓ Using the best steel material for triples mast
- ✓ The frame of mast has more strength basing on the enlarged channel interface.



A reliable hydraulic system

HELI has the most professional R&D base of cylinders, where we take advantage of the advanced manufacturing technologies and detecting means to ensure the reliability of all cylinders of the hydraulic system.

- ✓ Standard tilt cylinder by HELI
- ✓ Standard lift cylinder by HELI
- ✓ Standard steering cylinder by HELI
- ✓ Self-locking tilt cylinder
- ✓ Standard hydraulic circuit filter
- ✓ Speed buffer device on lifting system



A reliable steering system

The steering system with new technologies not only provides a smoother and faster positioning & steering, but also effectively ensures operators' safety.



- ✓ Full hydraulic power steering
- ✓ Smaller turning radius
- ✓ Wearable tire

Comfortable operation space

Large operation space with ergonomic-design and configuration ensure the operation more comfortable & convenient, and effectively enhance the efficiency & safety of operation.

- ✓ Newly patented insulation materials of hood
- ✓ Well-designed anti-slip mat
- ✓ Special display with easily reading
- ✓ Standard filter packet
- ✓ Standard distribution of overhead guard raincoat
- ✓ Filled with noise-reducing and buffer rubber material between hood and chassis



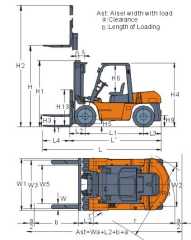


Manufacturers Data and Design Characteristics

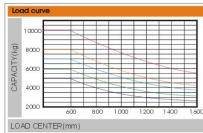
Characteristics		HELI															
1 Manufacturer		CPCD50	CPCD60	CPCD70	CPCD80	CPCD100	CPCD50	CPCD60	CPCD70	CPCD80	CPCD100	CPCD50	CPCD60	CPCD70			
2 Model				Diesel				Diesel					Diesel				
3 Power unit					8000	10000	5000	6000	7000	8000	10000	5000	6000	7000			
4 Rated Capacity	Q kg	5000	6000	7000	8000	10000	5000	6000	7000	8000	10000	5000	6000	7000			
5 Load Center	c mm						600					600					
6 Operation		Driver Seated					Driver Seated					Driver Seated					
Dimensions																	
7 Overall max lifting height (with backrest)	H2 mm	4400	4400	4400	4430	4085	4400	4400	4400	4430	4085	4400	4400	4400			
8 Max lifting height	H mm						4600	4600	4600	4630	4285	4600	4600	4600			
9 Height mast (retracted/upright)	H1 mm	2500	2500	2500	2700	2850	2500	2500	2500	2700	2850	2500	2500	2500			
10 Free lift height	H3 mm			200			200	200	200	200	200	200	200	200			
11 Backrest height (from upper face of forks)	H13 mm	1355	1350	1345	1374	1015	1355	1350	1345	1374	1015	1355	1350	1345			
12 Overhead Guard clearance (from face of seat)	H4 mm			1120			1120			1120		1120					
13 Overall height (overhead guard)	H4 mm	2450	2450	2450	2560	2560	2450	2450	2450	2560	2560	2450	2450	2450			
14 Overall length (with forks)	L mm	4660	4735	4800	5160	5480	4660	4735	4800	5160	5480	4660	4735	4800			
15 Overall length (without forks)	L' mm	3440	3515	3580	3940	4260	3440	3515	3580	3940	4260	3440	3515	3580			
16 Front overhang	L2 mm	590	595	600	700	718	590	595	600	700	718	590	595	600			
17 Rear overhang	L3 mm	600	675	740	740	800	600	675	740	740	800	600	675	740			
18 Wheel base	L1 mm	2250	2250	2250	2850	2900	2250	2250	2250	2850	2900	2250	2250	2250			
19 Coupler height	H9 mm	430	430	430	540	540	430	430	430	540	540	430	430	430			
20 Min ground clearance under mast	H5 mm	200	200	200	245	245	200	200	200	245	245	200	200	200			
21 Overall width	W1 mm	1995	1995	1995	2165	2165	1995	1995	1995	2165	2165	1995	1995	1995			
22 Lateral fork adjustment outside of fork (Max./Min.)	W5 mm	1845/300	1845/300	1845/300	2000/340	2140/410	1845/300	1845/300	1845/300	2000/340	2140/410	1845/300	1845/300	1845/300			
23 Tread (rear)	W3 mm	1470	1470	1470	1600	1600	1470	1470	1470	1600	1600	1470	1470	1470			
24 Tread (front)	W2 mm	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700			
25 Outside turning radius	r mm	3250	3300	3370	3700	3900	3250	3300	3370	3700	3900	3250	3300	3370			
26 Inside turning radius	r' mm	200	200	200	200	200	200	200	200	200	200	200	200	200			
27 Min intersecting axis	Ast mm	2960	3000	3040	3310	3540	2960	3000	3040	3310	3540	2960	3000	3040			
28 Mast tilting angle (forward/backward)	α/β °			6° / 12°			6° / 12°			6° / 12°		6° / 12°					
29 Fork dimensions (ax/cx)	TR/GR mm	55×1220×150	60×1220×150	65×1220×150	70×1220×170	80×1220×175	55×1220×150	60×1220×150	65×1220×150	70×1220×170	80×1220×175	55×1220×150	60×1220×150	65×1220×150			
Performance																	
30 Max. Trailing Speed (With/Without load)	km/h	25/29	25/29	25/29	25/29	25/29	26/33	26/33	26/33	26/28	26/33	26/33	26/33	26/28	26/33		
31 Lifting Speed (With/Without load)	mm/s	5105/30	5105/30	5025/30	4094/30	330/350	550/580	472/500	380/410	310/350	530/550	450/480	360/390	510/540			
32 Lowering Speed (With/Without load)	mm/s			<600/≥300				<600/≥300				<600/≥300					
33 Max. Draw bar pull (With load)	kN	63	63	62	63	61	53	53	52	58	57	60	60	60			
34 Max. Gradeability (With/Without load)	%	38/19	35/19	32/19	25/21	20/20	30/19	27/19	25/19	21/20	19/20	34/19	31/19	29/19			
Weights																	
35 Service Weight	kg	7980	8640	9350	10960	12510	7960	8640	9350	10960	12510	7980	8640	9350			
36 Load Wheel with load (Front/Rear)	kg	11660/1320	13050/1590	14570/1780	17000/1960	20380/2130	11660/1320	13050/1590	14570/1780	17000/1960	20380/2130	11660/1320	13050/1590	14570/1780			
37 Load Wheel without load (Front/Rear)	kg	4010/3670	3880/4760	3860/5490	4840/6120	5700/6610	4010/3670	3880/4760	3860/5490	4840/6120	5700/6610	4010/3670	3880/4760	3860/5490			
Transmission																	
38 Wheels number front/rear (=driven)		4x/2															
39 Tire type		Pneumatic tyre															
40 Tire size (front)		8.25-15-14PR				9.00-20-14PR				8.25-15-14PR							
41 Tire size (rear)		8.25-15-14PR				9.00-20-14PR				8.25-15-14PR							
42 Service Brake		Hydraulic-Foot Pedal				Hydraulic-Foot Pedal				Hydraulic-Foot Pedal							
43 Parking Brake		Mechanical-Hand brake rod				Mechanical-Hand brake rod				Mechanical-Hand brake rod							
Capacity																	
44 Battery (Voltage/Capacity)	V/Ah	2x1280				2x1280				2x1280							
45 Internal Combustion Engine Model		Cummins QSB4.5				Perkins 1104D-44TA				MITSUBISHI S65-T							
46 Engine type		Electronic controlling, Turbocharged, Air-to-air intercooled diesel engine				Turbocharged diesel engine				Turbocharged Air-to-air intercooled diesel engine							
47 Internal Combustion Engine Rated Output	kW/HP	83/2200				83/2200				63/82300							
48 Internal Combustion Engine Rated Torque	Nm/HP	418/1400				418/1400				285/1700							
49 Internal Combustion Engine Number of Cylinder		4				4				4							
50 Internal Combustion Engine Displacement	L	4.5				4.5				4.5							
51 Internal Combustion Engine Fuel Tank Capacity	L	140				140				140							
52 Transmission type		Power Shift				Power Shift				Power Shift							
53 Transmission Number of Speed Fwd/Bwd		2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2			

Engine Model and Main Specification for Option

Internal Combustion Engine Model	Engine type	Internal Combustion Engine Rated Output (kW/HP)	Internal Combustion Engine Rated Torque (Nm/HP)	Internal Combustion Engine Displacement (L)	Internal Combustion Engine Number of Cylinder
Isuzu 6BDT	Normally Aspirated	82/000	419/420-1600	6.0B4	6



CPCD50 CPD60 CPD70 CPD80 CPD100



Note: Capacities shown are computed with upright in vertical position, based on a 1030 mm cube load configuration with the center of gravity at the true center of the cube, and standard forks. Truck capacities with upright inward lift position will be less. Long forks, and unusually wide or loads may also reduce capacity.

8-10t WIDE VIEW MAST

Mast model	Max. Fork Height (mm)	Load Capacity (kg)		Overall Mast Height (ft Lowered) (mm)		Service Weight (kg)		Tilting Angle (deg)
		CPCD60	CPCD100	CPCD60	CPCD100	CPCD60	CPCD100	
M250	2900	6000	2450	2450	10970	-	6-12	
M270	2700	6000	2550	2550	10930	-	6-12	
M300	3000	6000	2700	2700	10960	12150	6-12	
M330	3300	6000	2850	2850	11030	12215	6-12	
M350	3500	6000	2950	2950	11060	12260	6-12	
M375	3750	6000	3075	3075	11100	12310	6-12	
M400	4000	6000	3250	3250	11190	12450	6-12	
M425	4250	6000	3375	3375	11260	12510	6-12	
M450	4500	6000	3500	3500	11360	12660	6-12	
M475	4750	7500	3625	3775	11450	12620	6-6	
M500	5000	7750	3750	3900	11550	12670	6-6	
M550	5500	7425	4000	4250	11740	12910	3-6	
M600	6000	7000	4300	4600	11930	13020	3-6	

8-10t WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. Fork Height (mm)	Load Capacity (kg)		Overall Mast Height (ft Lowered) (mm)		Service Weight (kg)		Fork In with Backrest (mm)	Fork In without Backrest (mm)	Tilting Angle (deg)
		CPCD60	CPCD100	CPCD60	CPCD100	CPCD60	CPCD100			
Z9M60	3600	8000	2870	2870	11950	12680	1092	1310	6-12	
Z9M80	4000	7000	3075	3100	11420	12640	1217	1440	6-12	
Z9M90	4300	7000	3190	3200	11480	12710	1342	1560	6-12	
Z9M40	4800	7000	3250	3270	11570	12760	1482	1710	6-6	
Z9M60	5000	7000	2900	3036	11640	12610	1592	1775	6-6	
Z9M40	5400	6600	3200	325	11710	12690	1717	1965	3-6	
Z9M60	6000	6000	3375	3425	12050	12660	2017	2165	3-6	
Z9M60	6000	5500	3600	3695	12160	12520	2242	2335	3-6	
Z9M70	7000	4500	3750	3820	12400		2362		3-6	

NOTE: NUMBER OF THE HEIGHT WITHOUT LIFT BRACKET = 0mm NUMBER OF THE HEIGHT WITHOUT LIFT BRACKET = 125mm

5-7t WIDE VIEW MAST

Mast model	Max. Fork Height (mm)	Load Capacity (kg)			Overall Mast Height (ft Lowered) (mm)			Service Weight (kg)			Tilting Angle (deg)
		CPCD60	CPCD70	CPCD100	CPCD60	CPCD70	CPCD100	CPCD60	CPCD70	CPCD100	
M250	2900	6000	6000	7000	2000	7900	8600	9200	6-12		
M270	2700	6000	6000	7000	2250	7900	8600	9200	6-12		
M290	2900	6000	6000	7000	2500	7900	8600	9200	6-12		
M300	3000	6000	6000	7000	2500	7900	8600	9200	6-12		
M330	3300	6000	6000	7000	2650	8000	8600	9400	6-12		
M350	3500	6000	6000	7000	2750	8000	8600	9400	6-12		
M375	3750	6000	6000	7000	2875	8100	8600	9400	6-12		
M400	4000	6000	6000	7000	2950	8100	8600	9400	6-12		
M425	4250	6000	6000	7000	3175	8100	8600				