



H3 series4-5t

Internal Combustion Counterbalanced Forklift Truck

Technical features remarkably improved



Damping

- With suspension damping struction on overhead guard and optimized design for the transmission,the whole trucks's vibration reduced a lot and relieve driver's fatigue greatly



Noise reduction

- Equipped with optimize designed parts around the engine,noise nearby ear and the truck sound level are reduced greatly



Heat dissipation

- With the optimized cooling system and great cooling performance,highly improved the reliability and durability of the transmission and engine,etc, many key parts.



Efficiency

- With more power and low emission engine,stronger loading capacity,higher gradeability,With load sensing hydraulic system,quicker lifting speed,higher working efficiency



Reliability

- Strengthen and Optimize designed core structure parts,strength improved greatly,with intelligent gear shifting technology to avoid 2nd-gear start,improved transmission life



Comfort

- Intelligent gear shifting system,ease of operation Standard half surrounded seat,safety and comfort



Maintainability

- Wider internal space,more reasonable parts layout and 80°hood opening angle make maintenance easy

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Intelligent gear shifting

Ratchet type parking brake

Steering wheel locking mechanism

Easy maintenance



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AUTHORIZED DEALER

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HELI
LIFTING THE FUTURE

HIGH-PERFORMANCE EFFICIENCY QUALITY

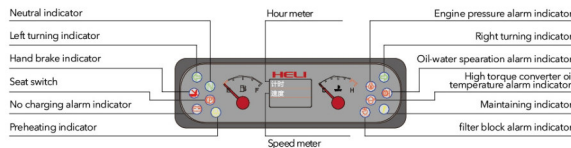


H3 series 4-5t

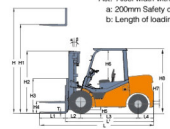
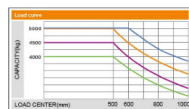
Internal Combustion Couterbalanced Forklift Truck



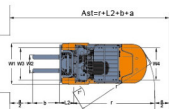
Reliable special designed instrument



CPCD40 CPCD45 CPCD50 CPCD50S



Ast: Aisle width with load
a: 200mm Safety clearance 200mm
b: Length of loading



Engine Model and Main Specification for Option

Configuration No.	Y1H(S)	WX7H	QC5H(S)	XC7H	M4H	KU1H(S)
Battery(voltage/capacity)	v/Ah			24/80		
Brand/Model	Yunnei YN4E099	Xichai 4DX23-82GG3U	Quanchai AC6-85U32	Xinchang 4D35ZG31	Mitsubishi S6S	KUBOTA V3800
Rated power/rotating speed	KW/rpm	70/2200	60/2200	62.5/2200	60/2200	61.6/2200
Rated torque/rotating speed	Nm/rpm	400/1700	320/1400~1700	320/1800	300/1600~1800	260/1700
Cylinder number(bore x stroke)		4-102X115	4-102X118	4-98X115	4-98X115	6-94X120
Displacement	L	3.76	3.85	3.47	3.47	4.996
Engine fuel tank capacity	L					90
Number of gears(fwd/bwd)						2-1 power shift
Emission						CHINA STAGE III

Note:(S) means load center 600mm Model

Standard configuration

Optional

Horn	Rear combined lamp	Lifting and tilting operation handles	Driver's cab	Rear working light	Overhead guard top rain glass
Control valve	Reversing buzzer	Traction pin	Warning light	Air condition(certain type)	SAE standard
Wetly hydraulic powered steering	Tilt lock valve	Head lamp	High air exhausting device	OP(Stravelling control system)	Engine hood locking
Half sunshield seat	Hydraulic oil dipstick	Suspension seat	Double air cleaner	Torque converter of temperature meter	Thin-point type fork
Backrest	Overhead guard rain cover	Torque converter oil dipstick	Four extension	User-specified color	Sandproof and noise reducing device
Rear view mirror	Standard fork	Combined instrument	Heater	Optional attachments	Universal key
Front combined lamp	Integration electric box	Hydraulic electric direction changing	Solid tire	Radiator protected screening	Tactor pin with mild steel safeguard
Transmission oil filter	Engine flame out device	Wide view mast	Wind shield	Over speed alarm	High temperature retard device
Ratchet type parking brake	Air intakeing device	Cleaning muffler	Fire extinguishing muffler	Rear View Camera	Fuel tank with lock
Driver's tools	Durable tire with decorative pattern				Weighting device
Power brake					Cab with skylight

Manufacturer and technical parameters

Character		HELI			
1.01	Manufacturer				
1.02	Model	CPCD40	CPCD45	CPCD50	
1.03	Configuration No.	YN1H(S) / WX7H / QC5H(S) / XC7H / M4H / KU1H(S)			
1.04	Power type	Diesel			
1.05	Rated capacity	kg	4000	4500	5000
1.06	Load center	mm	500	500	500 600
1.07	Driving mode	Sit-type			
Dimensions					
2.01	Mast height,extended (with backrest)	(H)mm	4250		
2.02	Mast height,lowered	(H1)mm	3000		
2.03	Mast overall height(Fork to the ground and mast be vertical)	(H2)mm	2275		
2.04	Mast height,extended(with backrest)	(H3)mm	1250		
2.05	Free lift height	(H4)mm	150		
2.06	Min.Ground clearance(from bottom of mast)	(H5)mm	175		
2.07	Overhead guard clearance (from face of seat)	(H6)mm	1020		
2.08	Traction pin center height	(H7)mm	380		
2.09	Overall gurd height	(H8)mm	2350		
2.10	Overall length(with fork/without fork)	(L/L1)mm	4310/3240	4310/3240	4460/3240 4525/3305
2.11	Front overhang	(L2)mm	560		
2.12	Wheelbase	(L3)mm	2100		
2.13	Rear overhang	(L4)mm	580	580	580 640
2.14	Overall width	(W1)mm	1510		
2.15	Lateral fork adjustment (outside of fork)(Max./Min.)	(W2)mm	1330/300		
2.16	Tread(Front/Rear)	(W3/W4)mm	1230/1190		
2.17	Min.Turning radius(external)	(r)rmm	215		
2.18	Min.Turning radius(internal)	(r)mm	2930	2930	2930 2990
2.19	Min.right angle stacking aisle width	(Ast)mm	4760	4760	4910
2.20	Mast tilting angle(Front/Rear)	(α/β)mm	6° / 12°		
2.21	Fork size	(L1xW1)mm	1070x150x50	1070x150x50	1220x150x55 1220x150x55
Performance					
3.01	Max.Travelling speed(loaded/unloaded)	km/h	23/24		
3.02	Lifting speed(loaded/unloaded)	mm/s	530/570		
3.03	Lowering speed(loaded/unloaded)	mm/s	<600 / >300		
3.04	Max.Draw bar(loaded/unloaded)	KN	28/20		
3.05	Max.Gradeability(loaded/unloaded)	%	20/16		
Wheel and tyre					
4.01	Wheel number X-drive wheel(front/rear)	Front two rear two (Double tyre front four rear two)			
4.02	Tyre type(front/rear)	Pneumatic tyre			
4.03	Tyre size(front/rear)	8.25-15-14PR 300-15-16PR 7.00-12-12PR 300-R15 (315/10R) 7.00-R12			
4.04	Double tyre zise(front/rear)	8.25-15-14PR / 7.00-12-12PR			
4.05	Service brake	Hydraulic-foot pedal			
4.06	Parking brake	Mechanical-hand brake lever			
Weight					
5.01	Weight	kg	6540	6740	7000 7250

WIDE VIEW MAST										
Mast model	Max. lifting height	Load capacity (load center 500mm)(kg)			Mast height, lowered(mm)	Mast tilting angle (°) / β	Service weight (kg)			
		CPCD40	CPCD45	CPCD50			CPCD40	CPCD45	CPCD50	CPCD50**
M260	2600	4000	4500	5000	2075	6° / 12°	6510	6710	6970	7220
M270	2700	4000	4500	5000	2125	6° / 12°	6520	6720	6980	7230
M300	3000	4000	4500	5000	2275	6° / 12°	6540	6740	7000	7250
M330	3300	4000	4500	5000	2425	6° / 12°	6560	6760	7020	7270
M350	3500	4000	4500	5000	2525	6° / 12°	6580	6780	7040	7290
M370	3700	4000	4500	5000	2625	6° / 12°	6590	6790	7050	7300
M375	3750	4000	4500	5000	2650	6° / 12°	6600	6800	7060	7310
M400	4000	4000	4500	5000	2825	6° / 6°	6610	6810	7070	7320
M425	4250	3800 4200	4300 4500	4700 5000	2950	6° / 6°	6670	6870	7130	7380
M450	4500	3700 4000	4200 4500	4500 5000	3075	6° / 6°	6680	6880	7140	7390
M475	4750	3500 3700	4000 4200	4250 4600	3200	6° / 6°	6700	6900	7160	7410
M500	5000	3200 3400	3600 4000	3800 4200	3325	6° / 6°	6720	6920	7180	7430
M550	5500	2900 3200	3200 3600	3600 3800	3575	3° / 6°	6730	6930	7190	7440
M600	6000	2600 2900	3000 3300	3300 3500	3825	3° / 6°	6750	6950	7210	7460

Note. (1)**stands for the rated capacity when the front tyre is double-tyre (2) *stands for standard configuration.(3)**stands for load center 600mm model.

WIDE VIEW FULL FREE 2-STAGE MAST											
Mast model	Max lifting height	Load capacity (load center 500mm)(kg)			Mast height lowered(mm)	Free lift (with backrest)(mm)	Mast tilting angle (°)	Service weight(kg)			
		CPCD40	CPCD45	CPCD50				CPCD40	CPCD45	CPCD50	CPCD50**
ZM261	2610	4000	4500	5000	2110	530	6° / 12°	6615	6815	7075	7325
ZM271	2710	4000	4500	5000	2160	580	6° / 12°	6640	6840	7100	7350
ZM300	3000	4000	4500	5000	2305	725	6° / 12°	6690	6890	7150	7400
ZM330	3300	4000	4500	5000	2455	875	6° / 12°	6705	6905	7165	7415
ZM350	3500	4000	4500	5000	2555	975	6° / 12°	6715	6915	7175	7425
ZM375	3750	4000	4500	5000	2680	1100	6° / 12°	6730	6930	7190	7440
ZM400	4000	4000	4500	5000	2805	1225	6° / 6°	6745	6945	7205	7455
ZM450	4500	3700	4200	4500	3055	1475	6° / 6°	6770	6970	7230	7480
ZM500	5000	3200	3600	4000	3305	1725	6° / 6°	6805	7005	7265	7515
ZM550	5500	2900	3200	3600	3555	1975	3° / 6°	6830	7030	7290	7540
ZM600	6000	2600	3000	3300	3805	2225	3° / 6°	6855	7055	7315	7565

Note. (1)**stands for the rated capacity when the front tyre is double-tyre.(2)Free lifting height without lift-bracket +325mm.(3)**stands for load center 600mm model.

WIDE VIEW FULL FREE 3-STAGE MAST											
Mast model	Max. lifting height	Load capacity (load center 500mm)(kg)			Mast height, lowered(mm)	Free lift (with backrest)(mm)	Mast tilting angle (°) / β	Service weight(kg)			
		CPCD40	CPCD45	CPCD50				CPCD40	CPCD45	CPCD50	CPCD50**
ZSM392	3920	3840	4350	4800	2250	650	6° / 6°	6880	7080	7340	7590
ZSM435	4350	3500	4100	4400	2395	795	6° / 6°	6900	7100	7360	7610
ZSM450	4500	3350	4000	4300	2445	845	6° / 6°	6920	7120	7380	7630
ZSM470	4700	3250	3800	4050	2515	955	6° / 6°	6940	7140	7400	7650
ZSM480	4800	3150	3700	3950	2545	990	6° / 6°	6950	7150	7410	7660
ZSM500	5000	3050	3400	3800	2645	1040	6° / 6°	6970	7170	7430	7680
ZSM540	5400	2750	3000	3500	2760	1165	6° / 6°	7010	7210	7470	7720
ZSM600	6000	2500	2800	3150	3010	1405	3° / 6°	7090	7290	7550	7800

Note. (1)**stands for the rated capacity when the front tyre is double-tyre.(2)Free lifting height without lift-bracket +325mm.(3)**stands for load center 600mm model.