



H3 series 4-5t

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.



Intelligent gear shifting

Ratchet type parking brake

Steering wheel locking mechanism

Easy maintenance

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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Internal Combustion Counterbalanced Forklift Truck



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HELI
LIFTING THE FUTURE

HIGH-PERFORMANCE EFFICIENCY QUALITY



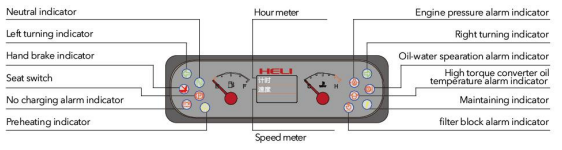
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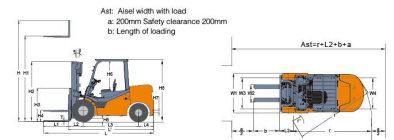
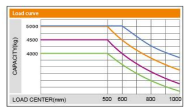
Manufacturer and technical parameters



Reliable special designed instrument



CPCD40 CPD45 CPD50 CPD50S



Engine Model and Main Specification for Option						
Configuration No.	YN1H(S)	WX7H	QC5H(S)	XC7H	M4H	KU1H(S)
Battery(voltage/capacity)	v/Ah			24/80		12/120
Brand/Model	Yunnei YN4EL099	Xichai 4DX23-82GG3U	Quanchai 4C6-85U32	Xinchang 4D35ZG31	Mitsubishi S6S	KUBOTA V3800
Rated power/rotating speed	KW/rpm	70/2200	60/2200	62.5/2200	52/2300	61.6/2200
Rated torque/rotating speed	Nm/rpm	400/1700	320/1400-1700	320/1800	300/1600-1800	260/1700 310/1600
Cylinder number(bore x stroke)		4-102X115	4-102X118	4-98X115	4-98X115	6-94X120 4-100X120
Displacement	L	3.76	3.85	3.47	3.47	4.996 3.769
Engine fuel tank capacity	L					90
Number of gear(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 conditioner (certain type)	SAE standard
Wooly/hydraulic powered steering	Tire lock valve	Head lamp	High air exhausting device	OP(Strawling control system)	Engine hood locking
Hill surrounded seat	Tilt adjustable steering column	Hydraulic oil dipstick	Double air cleaner	Torque converter of temperature meter	Thin point type fork
Backrest	Overhead guard rain cover	Overhead guard	Suspension seat	Tilting cylinder protection cover	Sandproof and noise reducing device
Rear view mirror	Standard fork	Standard fork	Fork extension	User specified color	Universal key
Front combined lamp	Integration electric box	Combined instrument	Heater	Optional attachments	Radiator protected screening
Transmission oil filter	Hydraulic circuit oil filter	Electric/hydraulic direction changing	Solid tyre	Hydraulic and protected device	Tractor pin with m4 steel safeguard
Engine flame out device	Speed-limiting valve	Widen fork carriage	Wind shield	Over speed alarm device	Over speed alarm device
Ratchet type parking brake	Wide view mast	Air intakeing device	Counter weight protective screening	Fire extinguisher muffer	High temperature resistant device
Driver's tools	Power brake	Double tire with decorative pattern	Fire extinguisher muffer	Rear View Camera	Weighting device
				Fire extinguisher muffer	Cab with skylight

Character	HELI			
1.01 Manufacturer	CPCD40	CPD45	CPD50	
1.02 Model	YN1H(S) / WX7H / QC5H(S) / XC7H / M4H / KU1H(S)			
1.03 Configuration No.	Diesel			
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 guard 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	1330/3000		
2.16 Tread(Front/Rear)	(W3/W4)mm	1230/1190		
2.17 Min. Turning radius(external)	(r)mm	215		
2.18 Min. Turning radius(internal)	(r1)mm	2930	2930	2930 2990
2.19 Min. right angle stacking aisle width	(a)mm	4760	4760	4760 4910
2.20 Mast tilting angle(Front/Rear)	(α/β)mm	6° /12°		
2.21 Fork size	(L1*W1)mm	1070x150x50	1070x150x50	1220x150x50 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.Credability(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 300-15-18PR 300-R15 (813/70R)			
4.04 Double tyre size(front/rear)	8.25-15-14PR / 7.00-12-12PR 7.00-12-12PR 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 height, raised (°/1°)	Service weight (kg)			
		CPCD40	CPD45	CPD50			CPCD40	CPD45	CPD50	CPD50**
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	4300	4700	2950	6° / 6°	6670	6870	7130	7380
M450	4500	3700	4200	4500	3075	6° / 6°	6680	6880	7140	7390
M475	4750	3700	4200	4600	3200	6° / 6°	6700	6900	7160	7410
M500	5000	3400	3900	4200	3325	6° / 6°	6720	6920	7180	7430
M550	5500	3200	3600	3800	3575	3° / 6°	6730	6930	7190	7440
M600	6000	2900	3200	3600	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 height (°/1°)	Service weight (kg)			
		CPCD40	CPD45	CPD50				CPCD40	CPD45	CPD50	CPD50**
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	3400	3900	4200	3305	1725	6° / 6°	6805	7005	7265	7515
ZM550	5500	3200	3600	3800	3555	1975	3° / 6°	6830	7030	7290	7540
ZM600	6000	2900	3200	3600	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 height (°/1°)	Service weight (kg)			
		CPCD40	CPD45	CPD50				CPCD40	CPD45	CPD50	CPD50**
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	3600	2645	1040	6° / 6°	6970	7170	7430	7680
ZSM540	5400	2750	3000	3200	2765	1165	6° / 6°	7010	7210	7470	7720
ZSM600	6000	2400	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.