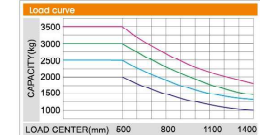
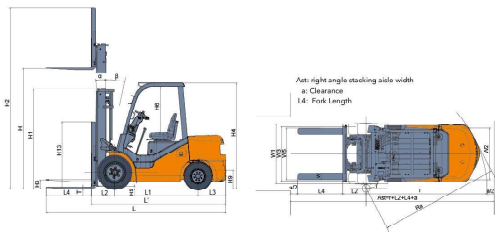


# H3 SERIES INTERNAL COMBUSTION COUNTERBALANCED FORKLIFT TRUCK 2-3.5ton



## Manufacturers and technical parameters

Character	HEU			
1.01 Manufacturer	CPD20 / CPD200 / CPD215 / CPD215S / CPD215S / CPD215S / CPD215S	CPD25 / CPD25S / CPD25S / CPD25S / CPD25S / CPD25S	CPD30 / CPD30S / CPD30S / CPD30S / CPD30S / CPD30S	CPD35 / CPD35S / CPD35S / CPD35S / CPD35S / CPD35S
1.02 Model	CPD20 / CPD200 / CPD215 / CPD215S / CPD215S / CPD215S / CPD215S	CPD25 / CPD25S / CPD25S / CPD25S / CPD25S / CPD25S	CPD30 / CPD30S / CPD30S / CPD30S / CPD30S / CPD30S	CPD35 / CPD35S / CPD35S / CPD35S / CPD35S / CPD35S
1.03 Rated capacity	kg 2000	2500	3000	3500
1.04 Load center	mm	500	500	500
1.05 Operation mode	Gas type			
2.01 Max lifting height	H mm	3000	3000	3000
2.02 Max overall height (to the ground and mast be vertical)	H1 mm	2000	2000	2065
2.03 Max fork lifting height (with horizontal)	H2 mm	4010	4010	4245
2.04 Free lift height	H3 mm	145	145	175
2.05 Overall height (overhead guard)	H4 mm	2150	2150	2170
2.06 Min ground clearance (At the mast)	H5 mm	110	115	135
2.07 Distance from the surface of the seat to the overhead guard	H6 mm	1030	1030	1030
2.08 Tractor pin height	H7 mm	775	775	780
2.09 Backset height (Calculated from the surface of the fork)	H13 mm	1000	1000	1222
2.10 Overall length (With fork/Without fork)	(L/L1) mm	3500/2380	3708/2638	3818/2748
2.11 Wheel base	L1 mm	1650	1650	1700
2.12 Front overhang	L2 mm	473	473	478
2.13 Rear overhang	L3 mm	457	516	576
2.14 Overall width	W1 mm	1150	1150	1225
2.15 Thread (Front tread/Rear tread)	(R/R2) mm	910/910	910/910	1000/910
2.16 Fork adjustable range (to the external of the fork/Max.Min.)	W5 mm	1030/244	1030/244	1060/250
2.17 Min turning radius (Interior)	r mm	2735	2710	2840
2.18 Min turning radius (Exterior)	r mm	180	180	200
2.19 Min lift angle (standing side stable)	βa mm	2274	2330	2360
2.20 Mast tilt angle	α / β °	67°12'	67°12'	67°12'
2.21 Fork size	(LxWxT) mm	920x122x40	1070x122x40	1070x125x45
Weight				
3.01 Total weight	kg	2430	2800	3270
3.02 Weight distribution (loaded) (Front/Rear)	kg	479x1034	520x2020	640x2910
3.03 Weight distribution unloaded (Front/Rear)	kg	1643x1805	1584x2256	1710x2660
Wheel and tire				
4.01 Wheel number = x drive wheel (Front/Rear)		2x/2		
4.02 Tire type (Front/Rear)		Pneumatic type		
4.03 Tire size (Front/Rear)		7.00-12 120R / 6.00-9 10PR	7.00-12 120R / 6.00-9 10PR	28-9 15 20PR / 28-9 15 14PR / 6.50-10 10PR
4.04 Service brake		Hydraulic Foot Pedal		
4.05 Parking brake		Mechanical Hand Lever		



Note: The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front of the fork. The base point of the standard load refers to the center position of the mast with 1000mm length of stable. When mast is tilted, the maximum load capacity will be reduced. Different load capacity in different load center can be known in time through load chart.

### WIDE VIEW MAST

Mast model	Max. lift height (mm)	Rated capacity (load center 500mm)				Max overall height (to the ground)				Turnover weight				Max. lift height (mm)			
		CPD20	CPD25	CPD30	CPD35	2.25t	3t	3.5t	CPD20	CPD25	CPD30	CPD35	CPD20		CPD25	CPD30	CPD35
M200	2000	2000	2500	3000	3500	1500	1570	1640	3140	3720	4280	4700	6.12				
M250	2500	2000	2500	3000	3500	1750	1820	1930	3385	3765	4335	4750	6.12				
M300	3000	2000	2500	3000	3500	2000	2070	2180	3430	3800	4370	4800	4.13				
M350	3500	2000	2500	3000	3500	2150	2220	2330	3460	3840	4395	4830	6.12				
M400	4000	2000	2500	3000	3500	2300	2370	2480	3480	3860	4410	4840	4.13				
M450	4500	2000	2500	3000	3500	2450	2520	2630	3500	3880	4440	4870	4.13				
M500	5000	2000	2500	3000	3500	2600	2670	2780	3520	3900	4460	4900	4.13				
M550	5500	2000	2500	3000	3500	2750	2820	2930	3540	3920	4480	4920	4.13				
M600	6000	2000	2500	3000	3500	2900	2970	3080	3560	3940	4500	4940	4.13				
M650	6500	2000	2500	3000	3500	3050	3120	3230	3580	3960	4520	4960	4.13				
M700	7000	2000	2500	3000	3500	3200	3270	3380	3600	3980	4540	4980	4.13				
M750	7500	2000	2500	3000	3500	3350	3420	3530	3620	4000	4560	5000	4.13				
M800	8000	2000	2500	3000	3500	3500	3570	3680	3640	4020	4580	5020	4.13				

Note: (1) Max. lift height for the rated capacity when the front tire is double drive. (2) When the front type of the 2.25-ton truck is double drive, the service weight of the truck is the weight in the table plus 110kg.

### Performance

Model	CPD20	CPD25	CPD30	CPD35	CPD20	CPD25	CPD30	CPD35	CPD20	CPD25	CPD30	CPD35
Max. number of lift (Load/Unloaded)	34	19	14	12	34	19	14	12	34	19	14	12
Max. Groundability (Loaded/Unloaded)	% 15/20	20/20	15/20	20/20	17/20	23/20	15/20	21/20	15/20	20/20	15/20	23/20
Max. traveling speed (Loaded/Unloaded)	km/h	17/19	17/19	17/19	19/20	19/20	19/19	19/19	17/19	17/19	19/20	19/20
Lifting Speed (Loaded/Unloaded)	mm/s	560/600	560/600	500/550	400/420	520/570	520/570	420/480	520/570	520/570	420/480	370/410
Lowering Speed (Loaded/Unloaded)	mm/s	450/500	450/500	450/500	350/400	450/500	450/500	350/400	450/500	450/500	350/400	350/400
Drive and transmission control device												
Engine model					D40U	L40RFL					IS4U	K2D
Engine rated power					35.4/2500					48.0/2400	37.4/2400	
Engine rated torque					130/1800					184.7/1600-1800	124.5/1600	
Cylinder number-cylinder stroke					4-cyl-102					4-cyl-102	4-cyl-106	
Engine displacement					L					3.05	2.488	
Engine type										Diesel	Gasoline or LPG	
Emulsion										Fum IIIA		
Battery Voltage/Capacity					V/Ah					12/80	12/60	
Engine fuel tank capacity					L					60	40	
Transmission type/shifting gear										1-1Power Shift M / 2-2 Manual Shift M		

### Engine Model and Main Specification for Option

Engine model	Rated power / rotating speed (kW/rpm)	Rated power / rotating speed (Min/rpm)	Engine displacement (L)	Engine cylinder number	Cylinder number - Bore/Stroke	Engine type	Emission
JMC H4803	39.0/3000	14.5/1800	2.771	4	4.9x1102	Diesel	CHINA STAGE II
JMC H4809	40.2/3000	17.0-18.0/1600-1800	3.168	4	4.99x1105	Diesel	CHINA STAGE II
GET 101	31.5/2500	15.0/1600	2.965	4	4.89x102	Gasoline or LPG	
Cummins GS2.8	38.2/2500	18.0/1800-1800	2.8	4	4.9x1100	Diesel	Euro IIIA
Deutz F4M2011	45.2/2500	19.0/1700	3.108	4	4.9x112	Diesel	CHINA STAGE II
JMC H4802CA	34.0/3000	15.5/1800	2.721	4	4.9x1102	Diesel	Fum IIIA

### WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max. lift height (mm)	Rated capacity (load center 500mm)				Max overall height (to the ground)				Free lifting height (with fork)				Turnover weight	Max. lift height (mm)		
		CPD20	CPD25	CPD30	CPD35	2.25t	3t	3.5t	CPD20	CPD25	CPD30	CPD35	CPD20			CPD25	CPD30
ZM200	2000	2000	2500	3000	3500	1495	1570	1680	495	340	460	3470	3850	4330	4770	6.12	
ZM250	2500	2000	2500	3000	3500	1716	1800	1920	746	500	710	3814	3995	4370	4820	4.13	
ZM300	3000	2000	2500	3000	3500	1995	2070	2180	995	840	960	3565	3945	4420	4870	6.12	
ZM350	3500	2000	2500	3000	3500	2116	2200	2310	1146	900	1100	3595	3975	4446	4896	4.13	
ZM400	4000	2000	2500	3000	3500	2240	2320	2430	1300	1210	1410	3615	3995	4460	4915	4.13	
ZM450	4500	2000	2500	3000	3500	2365	2440	2550	1450	1360	1560	3635	4015	4480	4935	4.13	
ZM500	5000	2000	2500	3000	3500	2490	2570	2680	1600	1510	1710	3655	4035	4500	5000	4.13	
ZM550	5500	2000	2500	3000	3500	2615	2690	2800	1750	1660	1860	3675	4055	4520	5020	4.13	
ZM600	6000	2000	2500	3000	3500	2740	2820	2930	1900	1810	2010	3695	4075	4540	5040	4.13	
ZM650	6500	2000	2500	3000	3500	2865	2940	3050	2050	1960	2160	3715	4095	4560	5060	4.13	
ZM700	7000	2000	2500	3000	3500	2990	3070	3180	2200	2110	2310	3735	4115	4580	5080	4.13	
ZM750	7500	2000	2500	3000	3500	3115	3190	3300	2350	2260	2460	3755	4135	4600	5100	4.13	
ZM800	8000	2000	2500	3000	3500	3240	3320	3430	2500	2410	2610	3775	4155	4620	5120	4.13	

### WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. lift height (mm)	Rated capacity (load center 500mm)				Max overall height (to the ground)				Free lifting height (with fork)				Turnover weight	Max. lift height (mm)		
		CPD20	CPD25	CPD30	CPD35	2.25t	3t	3.5t	CPD20	CPD25	CPD30	CPD35	CPD20			CPD25	CPD30
ZM900	9000	2000	2500	3000	3500	3500	3570	3680	2850	2760	2960	3815	4195	4660	5160	4.13	
ZM950	9500	2000	2500	3000	3500	3625	3690	3800	2995	2900	3100	3835	4215	4680	5180	4.13	
ZM1000	10000	2000	2500	3000	3500	3750	3810	3920	3140	3040	3240	3855	4235	4700	5200	4.13	
ZM1050	10500	2000	2500	3000	3500	3875	3930	4040	3285	3180	3380	3875	4255	4720	5220	4.13	
ZM1100	11000	2000	2500	3000	3500	4000	4050	4160	3430	3320	3520	3895	4275	4740	5240	4.13	
ZM1150	11500	2000	2500	3000	3500	4125	4175	4280	3575	3460	3660	3915	4295	4760	5260	4.13	
ZM1200	12000	2000	2500	3000	3500	4250	4300	4410	3720	3600	3800	3935	4315	4780	5280	4.13	
ZM1250	12500	2000	2500	3000	3500	4375											