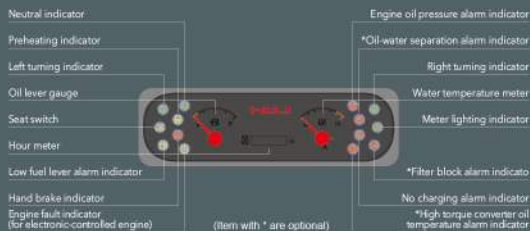


Reliable special designed instrument



- Reliable special meter display the whole truck's working condition, fault detect and other important information completely which make the operator master the whole truck condition directly and conveniently.

Standard configuration

Horn	Standard fork
Control valve	Integrated electric box
Wholly hydraulic-powered steering	Hydraulic oil circuit filter
Half enclosed seat	Flow regulator
Backrest	Wide view mast
Back view mirror	Air intake device
Front combined lamp	Durable tread tyre
Transmission oil filter	Lifting and tilting operation lever
Engine flame out device	Traction pin
Cable type parking brake	Head lamp
Driver's tool	Hydraulic oil dipstick
Rear combined lamp	Overhead guard
Backward buzzer	Torque converter oil dipstick
Tilt oil circuit self lock valve	Combined instrument
Tilt adjustable steering column	Electro-hydraulic direction changing
Overhead guard rain cover	

Optional

Driver's cab	Torque converter oil temperature meter
Warning light	Tilting cylinder bush
High air exhausting device	Customer made color
Double air cleaner	Optional attachments
Suspension seat	Steel protection net
Lengthening fork extension	Double-tyre and protection device
Warm air blower	Rotating seat for leg
Solid tyre	Single/dual fuel system
Widen fork arm carrier	Low speed alarm
Wind shield	
Cleansing muffler	
Fire extinguisher muffler	
Fire extinguisher	
Rear working light	
Air conditioner (certain type)	
Travelling control system	



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AUTHORIZED DEALER

2-3.5t H3 series Internal Combustion Counterbalanced Forklift Truck



HELI
LIFTING THE FUTURE

H3 series / HIGH EFFICIENCY
ENERGY SAVING

2-3.5t

H3 series Internal Combustion
Counterbalanced Forklift Truck

H3 series | HIGH EFFICIENCY
ENERGY SAVING

Improved performance, superior quality



↓ Vibration 20% reduced

↓ Noise 3dB reduced

- Cushion connection and wholly suspension driver's cab absorb whole truck's vibration effectively.
- Noise around ear is reduced through down the tilting cylinder under the floor board and using fully closed patch type driver's cab.
- Lower damping device inside the lifting system reduces mast shock and vibration, avoiding crash noise caused by goods falling to the ground.

↑ Workspace 45% increased

- Space around foot is effectively increased through up steering unit and using suspension type inching.
- The operation space is enlarged by heightened overhead guard and using large arc shape of the overhead guard's front leg.
- Semi-suspension seat, steering wheel with small diameter, electro-hydraulic direction changing and automobile type double joystick combined switch effectively improve driving comfort.

↑ Operator's view 20% improved

- Operator's front view is improved through the assembling of stand wide view mast and lowering the dashboard.
- Operator's rear view improved through the CAE optimal designed counterweight.



↑ Working efficiency 20% improved

- Small turning radius makes steering flexible and easy.
- The truck has fast lifting speed, good gradeability and high efficiency.
- High working efficiency guarantees the truck could meet the requirements for various kinds of complicated work condition perfectly wherever at port, dock and railway station.

↑ Loading capacity increased over 5%

↑ Stability 5% improved

↑ Reliability 40% improved

- The hot air reflux isolating device, optimal thermal dissipation duct and aluminum plate-fin type radiator improve cooling ability and ensure engine work reliability.
- Automobile type oil filling cap and optimal oil filling channel structure and process ensure whole truck's safety.
- The constant displacement pump load sensing steering system increases the lifting speed and reduces the hydraulic oil temperature.
- The optimal design of key parts like frame, mast, overhead guard and steering axle improve the whole truck's safety and reliability.
- The retro-position of whole truck's gravity center improve loading capacity, stability and safety.

↑ Engine hood open angle increased to 80°

- Enlarged internal space is convenient for engine and transmission box maintenance.
- Increased hood open angle contributes to quick and convenient maintenance.

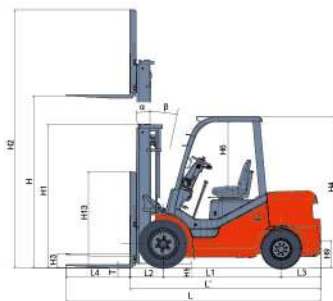


2-3.5t H3 series Internal Combustion Counterbalanced Forklift Truck

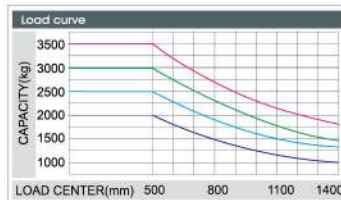
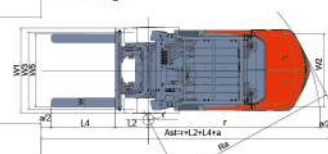


Manufacturer and technical parameters

Character		HEU				
1.01	Manufacturer					
1.02	Model	CPD20 / CPD20J / CPDQ100 / CPDQ100J CPD25 / CPD25J / CPDQ125 / CPDQ125J CPD30 / CPD30J / CPDQ150 / CPDQ150J CPD35 / CPD35J / CPDQ175 / CPDQ175J				
1.03	Rated capacity	kg	2000	2500	3000	3500
1.04	Load center	mm	500			
1.05	Operation mode	Seat-type				
Size						
2.01	Max.lifting height	H	mm	3000	3000	3000
2.02	Max overall height(Fork to the ground and mast be vertical)	H1	mm	2000	2000	2065
2.03	Max.fork lifting height(With backrest)	H2	mm	4030	4030	4245
2.04	Free lift height	H3	mm	165	165	160
2.05	Overall height(Overhead guard)	H4	mm	2150	2150	2170
2.06	Min.ground clearance(At the mast)	H5	mm	115	115	135
2.07	Distance from the surface of the seat to the overhead guard	H6	mm	1030	1030	1030
2.08	Traction pin height	H9	mm	275	275	280
2.09	Backrest height(Calculated from the surface of the fork)	H13	mm	1000	1000	1227
2.10	Overall length(With fork/Without fork)	(L/L1)	mm	3500/2580	3708/2638	3818/2748
2.11	Wheel base	L1	mm	1650	1650	1700
2.12	Front overhang	L2	mm	473	473	496
2.13	Rear overhang	L3	mm	457	515	570
2.14	Overall width	W1	mm	1150	1150	1225
2.15	Tread (Front tread/Rear tread)	(W3/W2)	mm	970/970	970/970	1000/970
2.16	Fork adjustable (on the external of the fork)(Max/Min)	W5	mm	1030/244	1030/244	1060/250
2.17	Min.turning radius(Exterior)	r	mm	2170	2240	2400
2.18	Min.turning radius(Interior)	r'	mm	180	180	200
2.19	Min.right angle stacking aisle width	R ₀	mm	2200	2280	2400
2.20	Mast tilting angle	α / β	°	6°/12°	6°/12°	6°/12°
2.21	Fork size	L×W×T	mm	920×122×40	1070×122×40	1070×125×45
Weight						
3.01	Total weight	kg	3420	3800	4370	4800
3.02	Weight distribution loaded (Front/Rear)	kg	4770/650	5480/820	6460/910	7470/830
3.03	Weight distribution unloaded (Front/Rear)	kg	1600/1820	1560/2240	1710/2660	1880/2920
Wheel and tyre						
4.01	Wheel number x = drive wheel (Front/Rear)	2X/2				
4.02	Tyre type(Front/Rear)	Pneumatic tyre				
4.03	Tyre size(Front/Rear)	7.00-12.12PR/ 6.00-9.10PR 7.00-12.12PR/ 6.50-10.10PR 28×9.15-12PR/ 6.50-10.10PR 28×9.15-14PR/ 6.50-10.10PR				
4.04	Service brake	Hydraulic-Foot Pedal				
4.05	Parking brake	Mechanical-Hand Lever				



As: right angle stacking aisle width
a: Clearance
L4: Fork Length



CPDQ100
CPDQ125
CPDQ150
CPDQ175
CPD20
CPD25
CPD30
CPD35

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 cube with 1000mm length of side. When mast is tilted forward, nonstandard fork usage or load with over wide goods, 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. lifting height mm	Load capacity (load center 500mm)					Max overall height (fork to the ground)			Service weight					Max lifting angle ° / 6/8
		CPD20 CPDQ100	CPD25 CPDQ125	CPD30 CPDQ150	CPD35 CPDQ175	CPD35 CPDQ175	2-2.5t	3t	3.5t	CPD20 CPDQ100	CPD25 CPDQ125	CPD30 CPDQ150	CPD35 CPDQ175	CPD35 CPDQ175	
M200	2000	2000	2500	3000	3500	1495	1570	1680	3340	3720	4280	4700	4700	6/12	
M250	2500	2000	2500	3000	3500	1745	1820	1930	3385	3765	4335	4750	4750	6/12	
M300	3000	2000	2500	3000	3500	1995	2080	2180	3420	3800	4370	4800	4800	6/12	
M330	3300	2000	2500	3000	3500	2145	2220	2330	3460	3840	4395	4830	4830	6/12	
M350	3500	2000	2500	3000	3500	2245	2320	2430	3480	3860	4420	4850	4850	6/12	
M370	3700	2000	2500	3000	3500	2345	2420	2530	3500	3880	4430	4870	4870	6/12	
M400	4000	2000	2500	3000	3500	2545	2620	2730	3565	3945	4490	4940	4940	6/12	
M425	4250	2000	2500	3000	3500	2670	2745	2855	3590	3970	4510	4970	4970	6/12	
M450	4500	2000	2500	3000	3500	2795	2870	2980	3615	3995	4535	4990	4990	6/12	
M500	5000	2000	2500	3000	3500	3045	3120	3230	3655	4035	4575	5040	5040	6/12	
M550	5500	2000	2500	3000	3500	3345	3420	3530	3740	4120	4585	5245	5245	6/12	
M600	6000	2000	2500	3000	3500	3595	3670	3780	3785	4165	4795	5285	5285	6/12	

Note: (1) *Stands for the rated capacity when the front tyre is double tyre. (2) When the front tyre of the 2-3.5t truck is double tyre, the service weight of the truck is the weight in the table plus 110kg.

Performance															
Model		CPC20	OPCD20	CPC25	OPCD25	CPC30	OPCD30	CPC35	OPCD35	CPQJY20	CPQJYD20	CPQJY25	CPQJYD25	CPQJY30	CPQJYD30
Max drawbar pull (Loaded/Unloaded)	kN	14.5/12.3	16/12.8	18/12.4	18.7/13.8	17/14.5	19/14.5	18/14.5	21/14.5	15/12.5	16/12.8	15/12.3	16.5/12.4	17/13.5	18/13.5
Max Gradeability (Loaded/Unloaded)	%	30/25	39/28	27/23	35/23	21/23	29/22	15/22	23/22	30/25	39/28	27/23	35/23	21/23	29/22
Max traveling speed (Loaded/Unloaded)	km/h		17/19		17/19		19/20		19/19		17/19		17/19		19/20
Lifting Speed (Loaded/Unloaded)	mm/s		560/600		560/600		500/550		400/420		520/570		520/570		420/480
Lowering Speed (Loaded/Unloaded)	mm/s		450/500		450/500		450/550		350/400		450/500		450/500		350/400
Drive and transmission control device															
Engine model				ISUZU C240				ISUZU 4JG2						GCT K25	
Engine rated power	kW/rpm			35.4/2500				44.9/2450						37.4/2400	
Engine rated torque	Nm/rpm			139.9/1800				184.7/1600-1800						176.5/1600	
Engine cylinder number-borexstroke				4.86×102				4.95×107						4.89×100	
Engine displacement	L			2.369				3.05						2.488	
Engine type					Diesel									Gasoline or LPG	
Emission				Euro Stage IIIA											
Battery(Voltage/Capacity)	V/Ah					12/80								12/60	
Engine fuel tank capacity	L								60						
Transmission box shifting gears															
Transmission type									1-1 Power Shift T/M / 2-2 Manual Shift T/M						

Note: *stands for theoretical calculating value.

Engine Model and Main Specification for Option

Engine model	Rated power/ rotating speed (Kw/rpm)	Rated power/ rotating speed (Nm/rpm)	Engine displacement (L)	Engine cylinder number	Cylinder number - Bore/Stroke	Engine type	Emission
ISUZU 4JG2	35/2450	170/1700	3.05	4	4.95×107	Diesel	Euro Stage IIIA
KUBOTA V2403	34.1/2400	155.9/1600	2.434	4	4.87×102.4	Diesel	Euro Tier IIA/EPA T4i
Cummins QSF2.8	36/2500	186/1100-1500	2.8	4	4.94×100	Diesel	Euro Tier IIA
Cummins QSF2.8	43/2500	186/1100-1500	2.8	4	4.94×100	Diesel	Euro Tier IIA
DACHAU CA698	45/2500	196/1800	3.168	4	4.98×105	Diesel	Euro Tier IIA
JMC HJ493	39/2500	165/1800	2.771	4	4.93×102	Diesel	-
JMC HJ493G43	36.5/2500	156/1800	2.771	4	4.93×102	Diesel	Euro Tier IIA
GCT K21	31.2/2200	143.7/1600	2.065	4	4.89×83	Gasoline or LPG	-
Mitsubishi 4G64	GAS 170/2400	161/1600	2.351	4	4.86.5×100	Gasoline or LPG	-
Mitsubishi S45	35.3/2200	177/1700	3.331	4	4.94×120	Diesel	Euro Stage IIA China Stage II

WIDE VIEW FULL FREE 2-STAGE MAST

Model	Max. height mm	Load capacity (load center 500mm)					Max. weight (fork to the ground)					Free lifting height (with basket)					Service weight					Max. lifting angle (°)																																																																																																																																																	
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Note: (1) *stands for the rated capacity when the front type is double type.

(2) When the front type of the 3.5t truck is double type, the service weight of the truck is the weight in the table plus 110kg.

(3) The free lifting height (without basket) of the 2.2-5t truck is the height (with basket) in the table plus 452mm. The free lifting height (without basket) of the 3t truck is the height (with basket) in the table plus 568mm. The free lifting height (without basket) of the 3.5t truck is the height (with basket) in the table plus 505mm.

WIDE VIEW FULL FREE 3-STAGE MAST

Model	Max. height mm	Load capacity (load center: 500mm)					Max.towed height to the ground			Free lifting height (with basket)			Service weight					Max. lifting angle (°) a/b
		CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG	CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG	CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG	CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG	CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG	2.2-5t	3t	3.5t	2.2-5t	3t	3.5t	CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG	CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG	CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG	CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG CHONGCHENG		
ZM3600	3600	2000	2400	2900	3200	1795	1930	1930	795	705	710	3715	4095	4610	4925	6/12		
ZM4000	4000	1900	2400	2900	3200	1920	2055	2055	920	830	835	3745	4125	4640	4955	6/12		
ZM4350	4350	1900	2400	2900	3200	2045	2180	2180	1045	955	960	3775	4155	4665	4980	6/12		
ZM4650	4650	1900	2400	2900	3200	2095	2230	2230	1095	1005	1010	3785	4165	4680	4995	6/12		
ZM4700	4700	1900	2400	2900	3200	2160	2230	2230	1160	1005	1010	3800	4180	4700	5015	6/12		
ZM4800	4800	1900	2400	2900	3200	2195	2330	2330	1195	1105	1110	3805	4185	4720	5025	6/12		
ZM5000	5000	1900	2400	2900	3200	2295	2430	2430	1295	1205	1210	3830	4210	4745	5060	6/12		
ZM5400	5400	1900	2400	2900	3200	2420	2555	2555	1420	1330	1335	3860	4240	4775	5090	6/12		
ZM6000	6000	1900	2400	2900	3200	2645	2780	2780	1645	1555	1560	3940	4320	4865	5180	6/12		

Note: (1) *stands for the rated capacity when the front type is double type.

(2) When the front type of the 2.2-5t truck is double type, the service weight of the truck is the weight in the table plus 110kg.

(3) The free lifting height (without basket) of the 2.2-5t truck is the height (with basket) in the table plus 452mm. The free lifting height (without basket) of the 3t truck is the height (with basket) in the table plus 568mm. The free lifting height (without basket) of the 3.5t truck is the height (with basket) in the table plus 505mm.