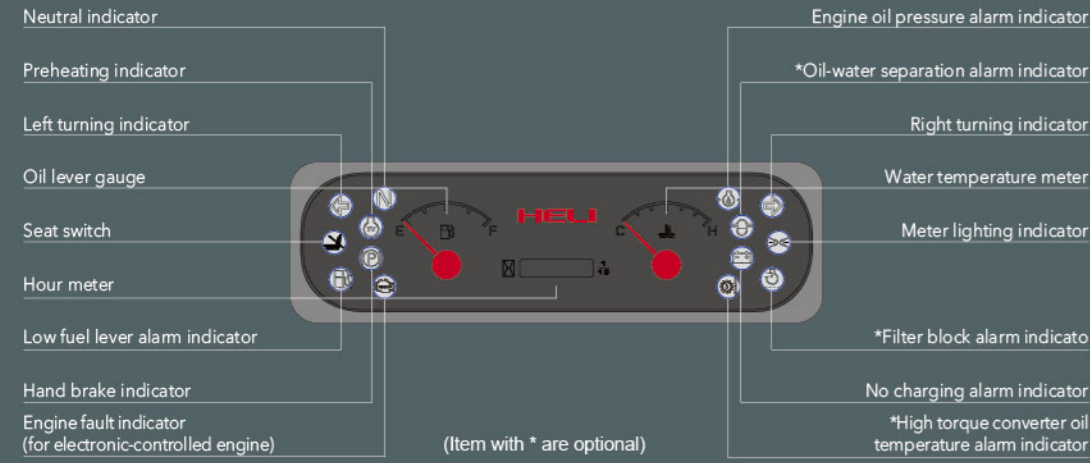


Reliable special designed instrument



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
- Control valve
- Wholly hydraulic-powered steering
- Half enclosed seat
- Backrest
- Back view mirror
- Front combined lamp
- Transmission oil filter
- Engine flame out device
- Cable type parking brake
- Driver's tool
- Rear combined lamp
- Backward buzzer
- Tilt oil circuit self lock valve
- Tilt adjustable steering column
- Overhead guard rain cover

Optional

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

2-3.5t H3 series Internal Combustion Counterbalanced Forklift Truck



2-3.5t H3 series Internal Combustion Counterbalanced Forklift Truck

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 reflow 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 repositioning 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.



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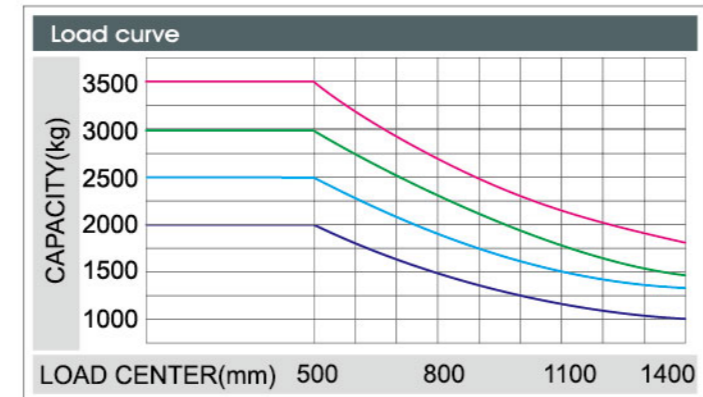
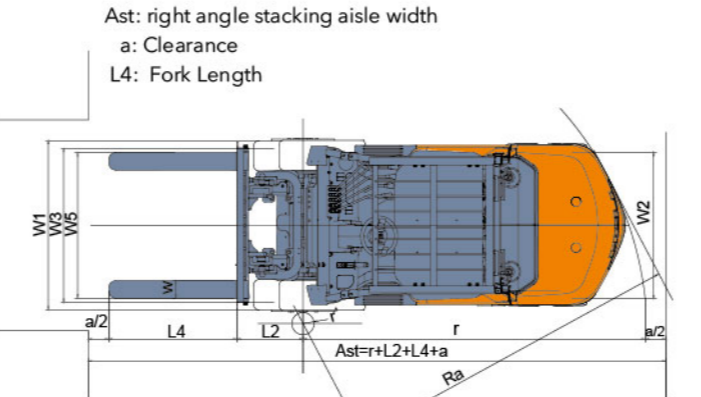
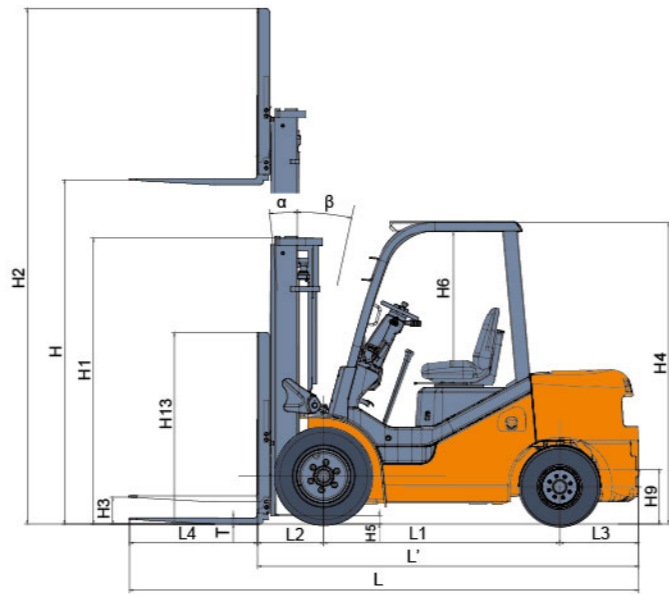
AUTHORIZED DEALER

2-3.5t H3 series Internal Combustion Counterbalanced Forklift Truck



Manufacturer and technical parameters

Character		HELI				
1.01	Manufacturer	HELI				
1.02	Model	CPC20 / CPCD20 / CP(Q)(Y)D20	CPC25 / CPCD25 / CP(Q)(Y)D25	CPC30 / CPCD30 / CP(Q)(Y)D30	CPC35 / CPCD35 / CP(Q)(Y)D35	
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	Mast 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/L')	mm	3500/2580	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	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 range(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	Ra	mm	2200	2280	2380
2.20	Mast tilting angle	a / β	%	6°/12°	6°/12°	6°/12°
2.21	Fork size	L4×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/ 6.00-9-10PR	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			



Legend for Load Curve:
 CPC20: Blue
 CPC25: Light Blue
 CPC30: Green
 CPC35: Yellow
 CP(Q)(Y)D20: Dark Blue
 CP(Q)(Y)D25: Light Blue
 CP(Q)(Y)D30: Green
 CP(Q)(Y)D35: Yellow

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)				Mast overall height (fork to the ground)			Service weight				Mast tilting angle (°) a / β
		CP(Q)(Y)D20 / CPC20	CP(Q)(Y)D25 / CPC25	CP(Q)(Y)D30 / CPC30	CP(Q)(Y)D35 / CPC35	2-2.5t	3t	3.5t	CP(Q)(Y)D20 / CPC20	CP(Q)(Y)D25 / CPC25	CP(Q)(Y)D30 / CPC30	CP(Q)(Y)D35 / CPC35	
M200	2000	2000	2500	3000	3500	1500	1570	1680	3340	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	3420	3800	4370	4800	6-12
M330	3300	2000	2500	3000	3500	2150	2220	2330	3460	3840	4395	4830	6-12
M350	3500	2000	2500	3000	3500	2250	2320	2430	3480	3860	4420	4850	6-12
M370	3700	2000	2500	3000	3500	2350	2420	2530	3500	3880	4430	4870	6-12
M400	4000	2000	2500	3000	3500	2500	2570	2680	3565	3945	4490	4940	6-12
M425	4250	*1800	*2250	*2850	*3100	2675	2745	2855	3590	3970	4510	4970	6-12
M450	4500	*1800	*2100	*2600	*3000	2800	2870	2980	3615	3995	4535	4990	6-12
M500	5000	*1600	*2200	*2850	*3100	3050	3120	3230	3655	4035	4575	5040	6-12
M550	5500	*1600	*1950	*2400	*2850	3350	3420	3530	3740	4120	4745	5245	*3-6
M600	6000	*1500	*1800	*2000	*2000	3600	3670	3780	3785	4165	4795	5285	*3-6

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	CPCD20	CPC25	CPCD25	CPC30	CPCD30	CPC35	CPCD35	CP(Q)(Y)D20	CP(Q)(Y)D25	CP(Q)(Y)D25	CP(Q)(Y)D25	CP(Q)(Y)D25	CP(Q)(Y)D30	CP(Q)(Y)D35	CP(Q)(Y)D35	CP(Q)(Y)D35	
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	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	23/22	
Max.traveling speed (Loaded/Unloaded)	km/h		17/19		17/19		19/20		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		370/410	
Lowing Speed (Loaded/Unloaded)	mm/s		450/500		450/500		450/550		450/500		450/500		450/500		450/550		350/400	
Drive and transmission control device																		
Engine mode	ISUZU C240PKJ												ISUZU 4JG2			GCT K25		
Engine rated power	kW/rpm		34.3/2500			44.9/2450			37.4/2400			37.4/2400						
Engine rated torque	Nm/rpm		137.7/1800			184.7/1600~1800			176.5/1600			176.5/1600						
Engine cylinder number-borexstroke	L		4-86×102			4-95.4×107			4-89×100			4-89×100						
Engine displacement	L		2.369			3.05			2.488			2.488						
Engine type	L		Euro Stage IIIA			Diesel			Gasoline or LPG			Gasoline or LPG						
Emission	L		Euro Stage IIIA			12/80			12/60			12/60						
Battery(Voltage/Capacity)	V/Ah		12/80			60			60			60						
Engine fuel tank capacity	L		60			60			60			60						
Transmission box shifting gears (Front/Rear type)	L		1-1Power Shift T/M / 2-2 Manual Shift T/M			1-1Power Shift T/M / 2-2 Manual Shift T/M			1-1Power Shift T/M / 2-2 Manual Shift T/M			1-1Power Shift T/M / 2-2 Manual Shift T/M						

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	36/2450	170/1700	3.05	4	4-95.4x107	Diesel	Euro Stage IIIA
KUBOTA V2403	34.1/2400	155.9/1600	2.434	4	4-87×102.4	Diesel	Euro Tier IIIA/EPA41
Cummins QSF2.8	36.5/2500	180/800~1800	2.8	4	4-94x100	Diesel	Euro Tier IIIA
Cummins QSF2.8	43/2500	186/1100~1500	2.8	4	4-94X100	Diesel	Euro Tier IIIA
DACHAI CA498	45/2500	196/1800	3.168	4	4-98x105	Diesel	-
JMC HJ493	39/2500	165/1800	2.771	4	4-93x102	Diesel	-
JMC HJ493G43	36.8/2500	156/1800	2.771	4	4-93x102	Diesel	Euro Tier IIIA
GCT K21	31.5/2200	140/1600	2.065	4	4-89x83	Gasoline or LPG	-
Mitsubishi 4G64	GAS:48/2700 LPG:46/2700	GAS:170/2400 LPG:168/1600	2.351	4	4-86.5×100	Gasoline or LPG	-

WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max. lifting height (mm)	Load capacity (load center 500mm)				Mast overall height (fork to the ground)			Free lifting height (with backrest)			Service weight				Mast tilting angle (°) a / β
		CP(Q)(Y)D20 / CPC20	CP(Q)(Y)D25 / CPC25	CP(Q)(Y)D30 / CPC30	CP(Q)(Y)D35 / CPC35	2-2.5t	3t	3.5t	2-2.5t	3t	3.5t	CP(Q)(Y)D20 / CPC20	CP(Q)(Y)D25 / CPC25	CP(Q)(Y)D30 / CPC30	CP(Q)(Y)D35 / CPC35	
ZM200	2000	2000	2500	3000	3500	1495	1570	1680	495	340	460	3470	3850	4330	4770	6-12
ZM250	2500	2000	2500	3000	3500	1745	1820	1930	745	590	710	3515	3895	4370	4820	6-12
ZM300	3000	2000	2500	3000	3500	1995	2070	2180	995	840	960	3565	3945	4420	4870	6-12
ZM330	3300	2000	2500	3000	3500	2145	2220	2330	1145	990	1100	3595	3975	4445	4895	6-12
ZM350	3500	2000	2500	3000	3500	2245	2320	2430	1245	1090	1210	3615	3995	4465	4915	6-12
ZM370	3700	2000	2500	3000	3500	2345	2420	2530	1370	1205	1310	3635	4015	4480	4935	6-12
ZM400	4000	2000	2500	3000	3500	2545	2620	2730	1545	1390	1510	3705	4085	4550	5000	6-12
ZM425	4250	*1800	*2250	*2850	*3100	2670	2745	2855	1670	1515	1635	3730	4110	4575	5025	6-12
ZM450	4500	*1800	*2100	*2600	*3000	2795	2870	2980	1795	1640	1760	3755	4135	4595	5050	6-12
ZM500	5000	*1600	*2200	*2850	*3100	3045	3120	3230	2045	1910	2010	3805	4185	4640	5100	*3-6
ZM550	5500	*1600	*1950	*2400	*2850	3345	3420	3530	2345	2190	2310	3890	4270	4830	5295	*3-6
ZM600	6000	*1500	*1800	*2000	*2000	3595	3670	3780	2595	2440	2560	3935	4315	4875	5350	*3-6

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.
 (3) The free lifting height (without backrest) of the 1-1.8t truck is the height (with backrest) in the table plus 43mm. The free lifting height (without backrest) of the 2-2.5t truck is the height (with backrest) in the table plus 459mm. The free lifting height (without backrest) of the 3t truck is the height (with backrest) in the table plus 588mm. The free lifting height (without backrest) of the 3.5t truck is the height (with backrest) in the table plus 523mm.

WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. lifting height (mm)	Load capacity (load center 500mm)				Mast overall height (fork to the ground)			Free lifting height (with backrest)			Service weight				Mast tilting angle (°) a / β
		CP(Q)(Y)D20 / CPC20	CP(Q)(Y)D25 / CPC25	CP(Q)(Y)D30 / CPC30	CP(Q)(Y)D35 / CPC35	2-2.5t	3t	3.5t	2-2.5t	3t	3.5t	CP(Q)(Y)D20 / CPC20	CP(Q)(Y)D25 / CPC25	CP(Q)(Y)D30 / CPC30	CP(Q)(Y)D35 / CPC35	
ZSM360	3600	2000	2400	2900	3300	1795	1946	1946	795	705	710	3715	4095	4610	4925	6-6
ZSM400	4000	1900	2400	2900	3300	1920	2065	2065	920	830	835	3745	4125	4640	4955	6-6
ZSM435	4350	*1850	*24													