

Comfort

- > Man-machine engineering design improves operation comfort; wide view lifting system improves vision.

Intelligent gear shifting

- > With electronic-hydraulic reversing system as standard configuration, make operation more liaght and easy; The updated new intelligent gear shifting system could avoid starting with second gear, improves the transmission box's realiability.

Maintainability

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

Reliability

- > Key parts like frame and mast apply CAE top-down design to improve their strength and make the truck tough.

G series Internal Combustion Counterbalanced Forklift Truck



Technical features remarkably improved

Damping

- > With suspension damping structure on overhead guard(cab) and optimized design for the transmission, the whole trucks's vibration reduced a lot and relieve driver's fatigue greatly.

Noise reduction

- > Equipped with fully sealed cab and 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.

Energy efficiency

- > With optimized hydraulic system, the truck is more energy-efficient and lower fuel consumption.



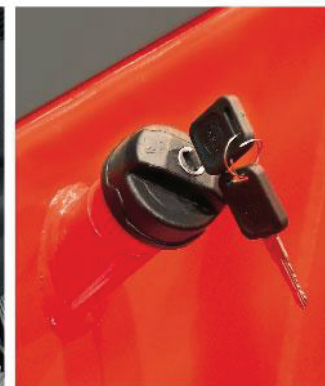
Independent integrated electric cabinet



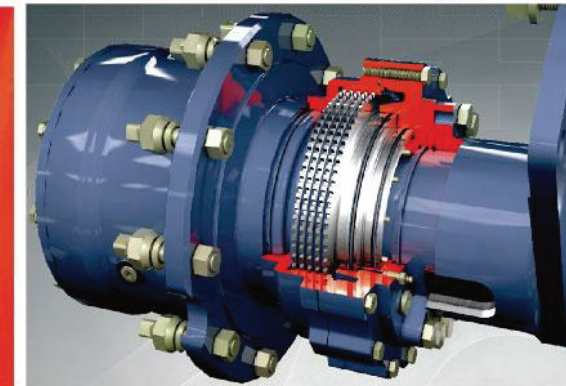
LED signal (standard configuration)



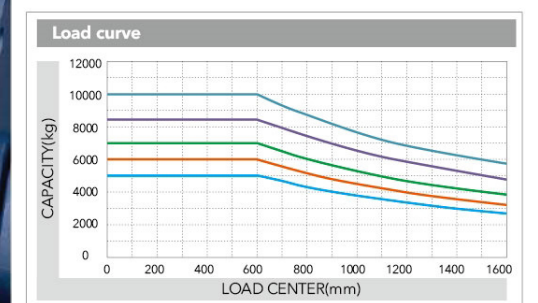
Ratchet type parking brake



Locked fuel tank cover



Wet-disc brake driving axle (optional choice).
Advantages: the convenient operation, stable braking and free from maintenance.



CPCD50 CPCD60 CPCD70 CPCD85 CPCD100

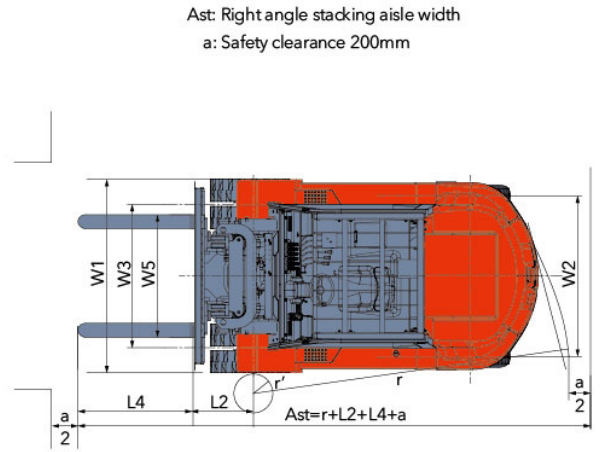
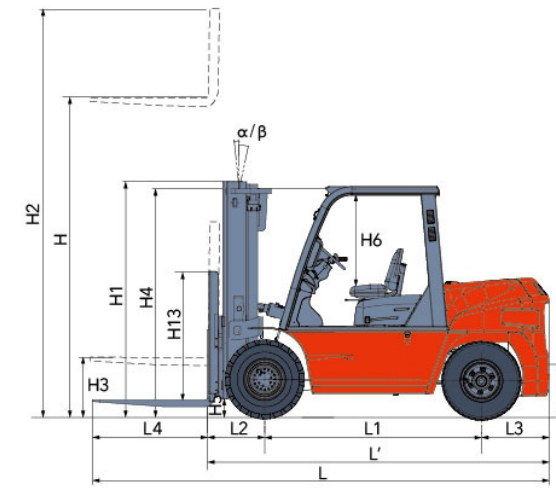
PT. BADAK PRIMA LESTARI

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Characteristics			
Manufacturer			HELI
Model			CPCD100
Power Type			Diesel
Rated Capacity	Q(kg)	(kg)	5000
Load Center	C(mm)	(mm)	600
Driving Mode			Sit-on Type
Dimensions			
Mast Height, Extended (with Backrest)	H2	(mm)	4415
Max. Fork Height	H	(mm)	3000
Mast Height, Lowered	H1	(mm)	2850
Free Lift	H3	(mm)	200
Backrest Height (Calculated from the fork surface)	H13	(mm)	/
Overhead Guard Clearance (from face to seat)	H6	(mm)	1060
Overhead guard height	H4	(mm)	2560
Overall Length (with forks)	L	(mm)	5430
Overall Length (without forks)	L	(mm)	4210
Front Overhang	L2	(mm)	720
Rear Overhang	L3	(mm)	715
Wheel Base	L1	(mm)	2775
Traction Pin Center Height	H9	(mm)	520
Min. Ground Clearance (from bottom of mast)	H5	(mm)	250
Truck Body Width	W1	(mm)	2165
Lateral Fork Adjustment (outside of fork) (max/min.)	W6	(mm)	420-2060
Front Tread	W3	(mm)	1600
Rear Tread	W2	(mm)	1700
Min. Turning Radius (external)	r	(mm)	3900
Min. Turning Radius (internal)	r1	(mm)	200
In Right Angle Stacking Aisle Width (standard load size 1200X1200)	Ast	(mm)	6040
Mast Tilting Angle (forward/rear)	α / β	(°)	06-Dec
Fork Size	L4	(mm)	80x1220x175
Tyre			
Wheel Number			4x/2
Tyre Type (front/ rear)			Pneumatic Tyre
Tyre Size (front)			9.00-20-14PR
Tyre Size (rear)			9.00-20-14PR
Specifications Of The Brake and Transmission			
Battery (Voltage/capacity)	V/Ah		2X12X80
Service Brake			Powered Brake-pedal Type
Parking Brake			Mechanical-hand Brake Lever Type
Oil Tank Capacity	L		160
Transmission Type			Intelligent Gear Shifting
Transmission Number Of Speed (fwd/fwd)			2/2
Truck Specialist			
Max. Travelling Speed (loaded/unloaded)	km/h		27/30
Lifting Speed (loaded/unloaded)	mm/s		330/350
Lowering Speed (loaded/unloaded)	mm/s		Without Load > 300 WITH FULL LOAD <600
Max. Draw bar (loaded)	KN		58
Max. Gradeability (loaded/unloaded)	%		22/20
Weight (oil included)	kg		12510
Axle Load (loaded) front/rear	kg		20030/2480
Axle Load (unloaded) front/rear	kg		5510/7000
Engine Specifications			
Engine Manufacturer/mode			ISUZU 6BG1
Engine Rated Power/rotational Speed	Kw/rpm		82/2000
Engine Rated Power/rotational Speed	Nm/rpm		415/1400-1600
Cylinder Number			6
Engine Displacement	L		6.494



8.5-10t WIDE VIEW MAST

Mast model	Max. fork height (mm)	Load capacity (load center 600mm)(kg)		Mast height, lowered (mm)		Service weight (kg)		Mast tilting angle α / β
		CPCD85	CPCD100	CPCD85	CPCD100	CPCD85	CPCD100	
M250	2500	8500	10000	2450	2600	10721	12389	6°/12°
M270	2700	8500	10000	2550	2700	10775	12429	6°/12°
M300	3000	8500	10000	2700	2850	11400	12510	6°/12°
M330	3300	8500	10000	2850	3000	11501	12558	6°/12°
M350	3500	8500	10000	2950	3100	11646	12603	6°/12°
M375	3750	8500	10000	3075	3225	11726	12653	6°/12°
M400	4000	8500	10000	3250	3400	11901	12793	6°/12°
M425	4250	8500	10000	3375	3525	12056	12848	6°/12°
M450	4500	8500	10000	3500	3650	12176	12898	6°/12°
M475	4750	8200	10000	3625	3775	12321	12955	6°/6°
M500	5000	8200	10000	3750	3900	12436	13010	6°/6°
M550	5500	7850	9000	4050	4200	12758	13311	3°/6°
M600	6000	7400	8000	4300	4450	12961	13361	3°/6°

8.5-10t WIDE VIEW FULL FREE 2-STAGE MAST

Mastmode	Max. fork height (mm)	Load capacity (load center 600mm)(kg)		Mast height, lowered (mm)		Free lift (with backrest) (mm)		Service weight (kg)		Mast tilting angle α / β
		CPCD85	CPCD100	CPCD85	CPCD100	CPCD85	CPCD100	CPCD85	CPCD100	
ZM250	2500	8500	10000	2450	2600	1090	1302	11447	12371	6°/12°
ZM270	2700	8500	10000	2550	2700	1190	1402	11473	12399	6°/12°
ZM300	3000	8500	10000	2700	2850	1340	1552	11515	12442	6°/12°
ZM330	3300	8500	10000	2850	3000	1490	1702	11556	12470	6°/12°
ZM350	3500	8500	10000	2950	3100	1590	1802	11584	12513	6°/12°
ZM375	3750	8500	10000	3075	3225	1715	1927	11619	12556	6°/12°
ZM400	4000	8500	10000	3250	3400	1890	2102	11756	12584	6°/12°
ZM425	4250	8500	10000	3375	3525	2015	2227	11790	12619	6°/12°
ZM450	4500	8500	10000	3500	3650	2140	2352	11825	12765	6°/12°
ZM475	4750	8200	9500	3625	3775	2265	2477	11860	12800	6°/6°
ZM500	5000	8200	9500	3750	3900	2390	2602	11865	12837	6°/6°
ZM550	5500	7850	-	4050	4200	2690	-	12067	12873	3°/6°
ZM600	6000	7400	-	4300	4450	2940	-	12136	12908	3°/6°

Note: (1) 8.5t: the free lift without backrest 222mm increased,(2) 10t: free lift without backrest.

8.5-10t WIDE VIEW FULL FREE 3-STAGE MAST

Mastmode	Max. fork height (mm)	Load capacity (load center 600mm)(kg)		Mast height, lowered (mm)		Free lift (with backrest) (mm)		Service weight (kg)		Mast tilting angle α / β
		CPCD85	CPCD100	CPCD85	CPCD100	CPCD85	CPCD100	CPCD85	CPCD100	
ZSM360	3600	7500	8000	2450	2570	1090	1150	12041	13246	6°/12°
ZSM400	4000	7500	8000	2575	2700	1215	1280	12112	13338	6°/12°
ZSM435	4350	7500	8000	2700	2820	1340	1400	12186	13418	6°/12°
ZSM450	4500	7500	8000	2750	2870	1390	1450	12213	13458	6°/6°
ZSM480	4800	7200	7500	2850	2970	1490	1550	12274	13526	6°/6°
ZSM500	5000	7200	7500	2950	3035	1590	1615	12330	13572	6°/6°
ZSM540	5400	6800	7000	3075	3225	1715	1805	12404	13706	3°/6°
ZSM600	6000	6300	6500	3375	3425	2015	2005	12575	13846	3°/6°
ZSM650	6500	5700	6000	3600	3590	2240	2170	12705	13964	3°/6°
ZSM700	7000	5000	5200	3750	3855	2390	2435	12793	14142	3°/6°

Note: (1) 8.5t: the free lift without backrest 172mm increased, (2) 10t: free lift without backrest, Note: The service weight in the table is the weight of the truck assembled with XiChai engine.