

CPCD135—CPCD360

HEAVY DUTY FORKLIFTS



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INTRODUCTION:

©OUR NEW RANGE OF HEAVY FORKLIFTS CAN HANDLE LOADS OF 13.5 TO 36 TONNES WITH EASE. THEY HAVE BEEN BUILT TO DELIVER ON POWER AND PERFORMANCE - YET DESIGNED TO FEEL AS AGILE AND SMOOTH TO OPERATE AS A MUCH SMALLER MACHINE. NO MATTER WHAT YOU ARE LIFTING IN YOUR FOUNDRY, FACTORY, TERMINAL OR ASSEMBLY LINE, THE NEW HEAVY FORKLIFT RANGE WILL DO IT EFFICIENTLY, EFFECTIVELY AND SAFELY. PRODUCT FEATURES.



ADVANTAGES:

◎ADOPT CUMMINS, WEICHA, YUCHAI TURBOCHARGING ENGINE, POWERFUL, ENERGY CONSERVATION, ENVIRONMENTAL PROTECTION, SATISFIES THE REQUIREMENT OF HIGH EFFICIENCY OPERATION.



◎ USE HANGCHI, SANCHI PLANET TYPE HYDRAULIC POWER SHIFT TRANSMISSION, BIG TRACTION IN COMBINED OPERATING CONDITION, THE TRANSMISSION SYSTEM MORE RELIABLE.

3. ADOPT DOUBLE TURBINE HYDRAULIC TORQUE CONVERTER, STEP-LESS SPEED CHANGE, SINGLE LEVER CONTROL FOR THE SPEED CHANGING, EASIER FOR OPERATION.

◎VARIABLE SPEED CONTROL VALVE MATCHED WITH NEUTRAL STARTER, THE MACHINE START MORE SECURE.

◎FRONT AXLE ADOPT HEAVY DUTY TYPE DRIVING AXLE, ENLARGE SIZE OF AXLE HOUSING, HUB AND BEARING, SPIRAL BEVEL GEAR AND WHEEL PLANETARY WHEEL DECELERATION INCREASING TWIST, STEEL STRUCTURE BRIDGE SHELL SUPPORT, INCREASE THE LOAD CAPACITY AND SERVICE LIFE.



◎NO SPOKES PLATE TYPE RIM, INCREASE THE BEARING CAPACITY OF HUB.

◎ REAR AXLE BY TRANSVERSE HYDRAULIC CYLINDER TYPE STEERING, STEERING AXLE HAS COMPACT STRUCTURE, TRANSMISSION ANGLE IS 70.5°, HELP TO REDUCE THE RESISTANCE AND REDUCE TIRE WEAR AND IMPROVE THE DRIVING COMFORT.

◎USING FOUR HEAVY CALIPER DISC BRAKE, THICKEN BRAKE DISC, THE REAR AIR TANK, 18 TIMES BRAKING PRESSURE STRENGTH RATIO, HEAT DISSIPATION FASTER, RELIABLE AND SAFE OPERATION.

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HEAVY DUTY FORKLIFTS

◎HYDRAULIC LOAD SENSING STEERING SYSTEM, REAR STEERING AXLE WITH SMALL TURNING RADIUS, FLEXIBLE AND LIGHT STEERING

◎ADOPT DOUBLE PUMP CONFLUENCE WORKING HYDRAULIC SYSTEM, GREATLY REDUCE FUEL CONSUMPTION, ENERGY CONSUMPTION. HYDRAULIC SYSTEM EQUIPPED WITH OIL RADIATOR AND BACK PRESSURE PROTECTION DEVICE, ENSURE THE MACHINE HEAT BALANCE.



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◎USING SPEED LIMIT VALVE AND PRESSURE SELECTOR VALVE, REDUCE THE HYDRAULIC SYSTEM IMPACT, CAN LOWER THE MAST TO THE GROUND WHEN ENGINE FLAME OUT

◎COOPERATE WITH HERCYNIAN INSTITUTE OF CHINESE ACADEMY OF SCIENCES "OVERALL STRUCTURE OPTIMIZATION SCHEME", VERIFIES THE STIFFNESS AND STRENGTH CALCULATION, FATIGUE LIFE FORECAST ON THE FORKLIFT, COMPREHENSIVE FINITE ELEMENT MECHANICS ANALYSIS, STRUCTURE DESIGN OPTIMIZATION, ENSURE THE SECURITY OF THE PRODUCTS USE .

◎ADOPT LONG WHEELBASE, BOX DOUBLE BEAM FRAME, CAN PROVIDE GOOD RIGIDITY AND STRENGTH, TO ENSURE THE HIGH RELIABILITY OF FORKLIFT TRUCK CHASSIS

◎ INNER AND OUTER MAST ADOPT ROLLER OPERATE, THE DOOR FRAME WITH ROLLER, MOVABLE BLOCK ENERGY STRUCTURE, LONG SERVICE LIFE OF THE MAST, HIGH RELIABILITY

◎ MAST LIFTING HEIGHT CAN BE UP TO 3 METERS, HIGH MAST, LOW MAST, STANDARD MAST AND A VARIETY OF ACCESSORIES CAN BE FITTEED ACCORDING TO CUSTOMERS' REQUIREMENTS



Configuration	Model		CPCD135	CPCD150	CPCD160	CPCD180	CPCD250	CPCD280	CPCD300	CPCD320	CPCD360	
			135	150	HNF-160	HNF-180	HNF-250	HNF-280	HNF-300	HNF-320	HNF-360	
Performance	Rated load	kg	13500	15000	16000	18000	25000	28000	30000	32000	36000	
	Load center	mm	600	900	900	900	1250	1250	1250	1250	1250	
	Mast tilt angle (front/rear)	o	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6月12日	
	Length	mm	6055	7645	7645	7645	8400	9690	9690	9690	9700	
	Width	mm	2250	2750	2750	2750	3050	3200	3200	3200	3320	
	Height	mm	3090	3625	3625	3625	4350	4250	4250	5120	4310	
	Mast lifting height	mm	3000	3500	3500	3500	4700	3500	3500	3500	3500	
	Fork size (L*W*H)	mm	1200*180*90	1800*180*90	1800*180*90	1800*180*90	2440*300*110	2440*320*110	2440*320*110	2440*320*110	2440*320*110	2440*340*125
	Min. turning radius	mm	4450	5800	5800	5800	6300	7260	7260	7260	7260	
	Max. travel speed (unload)	km/h	26	30	30	30	28	28	28	28	28	
	Lifting speed (with load)	mm/s	310	300	300	300	260	260	260	260	260	
	Gradeability (with load)	%	25	20	20	20	20	20	20	20	20	
Weight	kg	18500	23500	25000	25500	35500	38000	40000	42000	45000		
Tyre	Front		4*11.00-20/16PR 4*12.00-24/18PR 4*12.00-24/18PR 4*12.00-24/18PR 4*14.00-24/28PR 4*14.00-24/28PR 4*14.00-24/32PR 4*14.00-24/32PR 4*16.00-25/32PR									
	Rear		2*11.00-20/16PR 2*12.00-20/18PR 2*12.00-20/18PR 2*12.00-20/18PR 2*14.00-24/28PR 2*14.00-24/28PR 2*14.00-24/32PR 2*14.00-24/32PR 2*16.00-25/32PR									
	Wheel tread Front	mm	1677	2060	2060	2060	2200	2420	2420	2420	2800	
	Wheel tread Rear	mm	2013	2330	2330	2330	2390	2390	2390	2390	2450	
	Wheelbase	mm	3000	3800	3800	3800	4000	4800	4800	4800	4800	
Min. ground clearance	mm	225	265	265	265	150	350	350	350	400		
Engine			Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	
			Yuchai	Yuchai	Yuchai	Yuchai	Yuchai	Yuchai	Yuchai	Yuchai	Yuchai	
			Weicha	Weicha	Weicha	Weicha	Weicha	Weicha	Weicha	Weicha	Weicha	

