

## Heavy IC Forklift Truck

		SINOMACH					
		CPD120-X657		CPD120-XW25		CPD140-XW25	
		Desal	Desal	Desal	Desal	Desal	Desal
Distinguishing mark	1.1 Manufacturer	SINOMACH					
	1.2 Manufacturer's type designation	CPD120-X657 CPD120-XW25 CPD140-XW25 CPD160-X657 CPD160-XW25					
	1.3 Drive electric (battery or mains), diesel, petrol, fuel gas	Desal		Desal		Desal	
Weight	1.4 Operator type (seated, pedestrian, standing, seated, order-picker)	Seated		Seated		Seated	
	1.5 Rated capacity/nominal load	Q (kg)		12000		14000	
	1.6 Load centre distance	c (mm)		600		600	
	1.8 Load distance, centre of drive axle to fork	x (mm)		760		760	
	1.9 Wheelbase	y (mm)		3000		3000	
Dimensions	3.1 Tyres: solid rubber, superelastic, pneumatic, polyurethane	Pneumatic		Pneumatic		Pneumatic	
	3.2 Tyre size, front	10.00-20.14PR		10.00-20.14PR		11.00-20.14PR	
	3.3 Tyre size, rear	11.00-20.14PR		11.00-20.14PR		11.00-20.14PR	
	3.6 Tread, front	b1 (mm)		1780		1780	
	3.7 Tread, rear	b2 (mm)		1920		1890	
	4.1 Tilt of mast fork carriage forward/backward	α (°)		6/12		6/12	
	4.2 Height, mast lowered	h1 (mm)		3180		3270	
	4.4 Lift	h2 (mm)		3000		3000	
	4.7 Height of overhead guard (cabin)	h3 (mm)		2330		2300	
	4.19 Overall length	L (mm)		6000		6210	
4.20 Length to face of forks	L1 (mm)		4100		4710		
4.21 Overall width	b (mm)		2400		2400		
4.22 Fork dimensions ISO 2331	S (mm)		1500x20x80		1500x20x85		
4.25 Distance between fork-arms	L2 (mm)		520x2200		520x2200		
4.31 Ground clearance, laden, below mast	m1 (mm)		250		250		
4.32 Ground clearance, centre of wheelbase	m2 (mm)		315		310		
4.35 Turning radius	R (mm)		4150		4350		
5.1 Travel speed, laden/unladen	v (km/h)		24/26		23/25		
5.2 Lift speed, laden/unladen	v1 (m/s)		0.33/0.4		0.33/0.4		
5.5 Drawbar pull, laden/unladen	N (1000N)		10000/0		10000/0		
5.7 Gradeability, laden/unladen	%		20/20		20/20		
5.10 Service brake			Pneumatic Drum		Pneumatic Drum		
7.1 Engine manufacturer/type			Spring energy storage		Spring energy storage		
7.2 Engine power according to DIN ISO 1585	kw		118		119		
7.3 Rated speed	min		2200		2300		
7.4 Number of cylinders/cylinders displacement	l (cm³)		6/		6/		
7.10 Battery voltage/nominal capacity	V/Ah		241.2/120		241.2/120		
Rated torque	N.m/min		6501/600		6501/600		
Box x stroke	mm		105x125		105x125		
Space: Fuel/MS			241		241		
10.1 Operating pressure for attachments	bar		200		200		

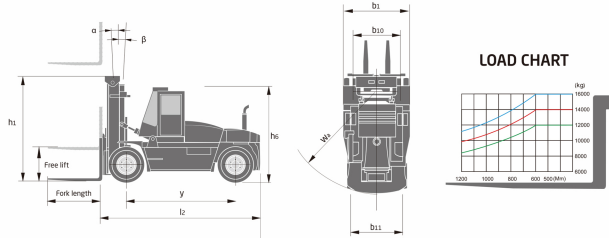
## 12.0-16.0t Forklift Mast Specification

Type	Model	Mast fork height mm	Overall height		Tilt range		Capacity load capacity at 600mm Double tire
			Lowered mm	Extended mm	FWD [°]	RWD [°]	
CCL20KX	CK120M300	3000	3180	4695	6	12	12000
	CK120M330	3300	3330	4995	6	12	12000
	CK120M360	3600	3460	5295	6	12	12000
	CK120M400	4000	3680	5695	6	12	12000
	CK120M450	4500	3860	6030	6	6	12000
	CK120M500	5000	4230	6330	6	6	12000
	CK120M550	5500	4530	6530	6	6	12000
	CK120M600	6000	4780	6900	3	6	12000
	CK140M300	3000	3270	4770	6	12	14000
	CK140M330	3300	3420	5070	6	12	14000
CCL40KX	CK140M360	3600	3570	5370	6	12	14000
	CK140M400	4000	3730	5730	6	12	14000
	CK140M450	4500	3970	6130	6	12	14000
	CK140M500	5000	4070	6320	6	12	14000
	CK140M550	5500	4270	6620	6	6	14000
	CK140M600	6000	4520	6820	6	6	14000
	CK140M650	6500	4620	7020	3	6	11000
	CK140M700	7000	4620	7370	3	6	12000
	CK140M750	7500	4870	7670	3	6	11000
	CK140M800	8000	5250	7970	6	12	16000
CCL60KX	CK160M330	3300	3460	5090	6	12	16000
	CK160M360	3600	3590	5390	6	12	16000
	CK160M400	4000	3730	5790	6	12	16000
	CK160M450	4500	3950	6140	6	12	16000
	CK160M500	5000	4090	6340	6	12	16000
	CK160M550	5500	4240	6540	6	6	16000
	CK160M600	6000	4340	6840	6	6	16000
	CK160M650	6500	4540	7190	3	6	14000
	CK160M700	7000	4690	7490	3	6	12500



## Heavy IC Forklift Truck

with capacities of 12,000 to 16,000kg



## Heavy IC Forklift Truck

Environment/  
Efficiency/  
Economy



### Power System

/ Cummins Q5CB 3 supercharged engine. Emissions comply with EPA 3 and EU III requirements; High performance, low energy consumption, low speed with high torque, great power reserves. And the engine is equipped with big dimension radiator and suction fan, it reduce the temperature of inlet air and ensure the reliability of cooling system. Using the special peripheral accessories recommended by Cummins, ensure the normal use and maintenance of the engine.

### Transmission System

/ ZF micro controller with 3 stage power-shift is to make sure the high reliability. Using the most advanced TCU microelectronic control transmission proportional control valve to achieve uninterrupted power output and automatic transmission, no need the driver manual shift operation. Fault display and convenient diagnostic socket, greatly simplifying maintenance and repairs. German Kessler heavy load drive axle, with two stage speed adjust, multi-disc wet service brake system, is fully enclosed system with maintenance free.

### Hydraulic System

/ International famous brand hydraulic valve, the main hydraulic pump, the guide handle. Load sensing hydraulic system, reduce the continuous load of engine; Remote hydraulic control and electric control are simple and convenient. Multiple hydraulic testing points simplify the maintenance work.

### Mast

/ Widened duplex mast, reinforced frame, broad vision, Dual valves limit the speed, better security. Sideshifter is the standard configuration.

### Brake System

/ USA MICO hydraulic power brake, wet multi-disc service braking and spring action, caliper disc parking brake system with forced cooling by oil, is safe and reliable.

### Steering System

/ Single transverse arranged cylinder of steering axle has dual function, full hydraulic power steering, steering has priority, with load sensing function, for easy operation.

### Electrical System

/ Implement the latest international, national and industry standards. The OPS using the seat, and to improve driving safety and norms. The use of advanced CAN bus communication system, high reliability, good anti-jamming. The CAN controller collect information of engine, transmission, all types of sensors, pressure switches and faults, and operator can view various information intuitively from the high-performance colored LCD. The central distribution control box use the product of BAKSMANN, compact, beautiful and clear.

### Cabin

/ Integral full suspension tilting cabin, connected with the frame through damping rubber, which can shield most of vibration and noise. The tilted cabin which configured wide vision, suspension seat, electric control and hydraulic control joystick, is simple and easy for operation and maintenance. It provides large space for drivers legs.

### Standard

/ Neutral switch  
/ Wide view mast  
/ Gauge of hydraulic level  
/ 4 Sec. multi-way valve  
/ Radiator  
/ Pattern oil-resistant tyres  
/ Fuel dipstick  
/ Full hydraulic power steering  
/ Self-lock valve  
/ Rubber pedal pad  
/ Limit lift speed valve  
/ Air cleaner  
/ Charge indicator lamp  
/ Oil pressure warning  
/ OPS  
/ Pre-heat indicator lamp  
/ Oil temperature gauge  
/ Front wiper  
/ Rear wiper  
/ Speedometer  
/ Hour meter  
/ Water temperature gauge  
/ Air condition  
/ Fuel gauge  
/ Cabin  
/ Pin  
/ Fork positioner side shift  
/ Hand lamp  
/ Horn  
/ Mirror  
/ Tool box  
/ Standard fork  
/ Standard seat  
/ Buzzer  
/ Front combination lamp  
/ Rear combination lamp

### Options

/ Customer painting  
/ Working lamp  
/ Other dimension fork  
/ Rear-view camera  
/ Warning lamp  
/ Air pre-cleaner



Rema tiller head



Auxiliary wheels are equipped to have better stability



Modern outline design



Tandem load wheel