



2-4T DIESEL FORKLIFT



Email:stellagong@zxhexport.com

Wechat: +86 173 0282 5511

<http://www.vortex-forklift.com>

G20-G40 IC Counterbalance Forklift Specifications

Basic Parameters

Model			CPC(D) -G20	CPC(D) -G25	CPC(D) -G30	CPC(D) -G35	CPC(D) -G38	CPC(D) -G40X
Fuel			Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Rated Capacity		(kg)	2000	2500	3000	3500	3800	4000
Load Center		(mm)	500	500	500	500	500	500
Battery (V/Capacity)		(V/Ah)	12/80	12/80	12/80	12/80	12/80	12/80

Performance

Max. Lift Height	H	(mm)	3000	3000	3000	3000	3000	3000
Free Lift	H5	(mm)	130	130	130	130	130	140
Mast Tilt (F/B)	a/β	(°)	6/12	6/12	6/12	6/12	6/12	6/12
Lift Speed (L/U)		(mm/s)	560/600	560/600	455/480	455/480	370/400	370/400
Lowering Speed (L/U)		(mm/s)	540/450	540/450	450/410	450/410	330/310	330/310
Travel Speed (L/U)		(km/h)	17/19	17/19	18 . 5/19	18 . 5/19	18 . 5/19	19/19 . 5
Min. Turn Radius	r	(mm)	2290	2290	2560	2620	2720	2720
Gradeability (L/U)		(%)	15/20	15/20	15/20	15/20	15/20	15/20
Max. Drawbar Pull		(KN)	16	16 . 5	20	20	20	20
Service Weight		(kg)	3400	3700	4300	4600	4800	5000

Dimensions

Length w/o Forks		(mm)	2520	2520	2825	2880	2990	2990
------------------	--	------	------	------	------	------	------	------

Width	W	(mm)	1170	1170	1230	1230	1230	1240
Mast Height	H1	(mm)	2000	2000	2130	2130	2130	2140
Guard Height	H3	(mm)	2110	2110	2145	2145	2145	2155
Backrest Height	H6	(mm)	965	965	1225	1225	1225	1235
Overall Height (Raised)	H2	(mm)	4035	4035	4230	4230	4230	4240
Ground Clearance		(mm)	110	110	130	130	130	130
Wheelbase	L	(mm)	1650	1650	1750	1800	1900	1900
Front Tread	W1	(mm)	970	970	1000	1000	1000	1000
Rear Tread	W2	(mm)	980	980	970	970	970	970
Front Overhang	L2	(mm)	462	462	475	480	490	490
Rear Overhang	L3	(mm)	408	408	600	600	600	600

Other Parameters

Front Tires			7 . 00 - 12- 12PR	7 . 00 - 12- 12PR	28 X 9 - 15 - 14PR	28 X 9 - 15 - 14PR	28 X 9 - 15 - 14PR	250 - 15- 16PR
Rear Tires			6 . 00 - 9 - 10PR	6 . 00 - 9 - 10PR	6 .50 - 10 - 10PR	6 .50 - 10 - 10PR	6 . 50 - 10 - 10PR	6 . 50 - 10 - 10PR
Fork Size (L× W×T)	b	(mm)	1070 X 120 X40	1070 X 120 X40	1070 X 122 X45	1070 X 122 X50	1070 X 122 X50	1070 X 122X50

Engine Specs

Model			(2T/4T) x i n c h a i C490BPG		(	
Power		(kw/r)	36 . 8/2500			
Torque		(N. m/r)	156/1700-1900			
Cylinders			4			
Displ.		(L)	2 . 6 7			

Standard Equipment

Hydraulic Power Steering	Adjustable Steering Wheel	Lift Speed-Limiting Valve	2-Stage Wide-View Mast	Load Backrest
Cable Parking Brake	Overhead Guard	Pneumatic Tires	Entry Handrail	Standard Seat
LED Split Rear Lights	2-Spool Valve	Load Safety Valve	Lift/Tilt Levers	Hydraulic Oil Dipstick
Reverse Buzzer	Electric Horn	Left/Right Mirrors	Rain Canopy	Multifunction Instrument
Standard Forks	Non-Slip Entry Step	Tilt Circuit Lock Valve	Tool Kit	LED Front Headlights
USB Charging Port				

Special Mast Options

2-Stage Full-Free Mast	3-Stage Full-Free Mast	Widened Carriage Raised Backrest	Extended Forks	Special Forks
---------------------------	---------------------------	--	----------------	---------------

Engine Options

Model	Unit	Quanchai 4C2-50V33	4C3 -50V33	Quanchai V29-50V42	Xinchai C490BPG	Isuzu C240
Emission		China III	China III	China IV	China II	China III
Fuel		Diesel	Diesel	Diesel	Diesel	Diesel
Power	Kw/r/min	36 . 8/2500	36 . 8/2500	36 . 8/2500	36 . 8/2650	34 . 6/2500
Torque	N · m/r/min	170/1800	174/1800	170/1800	156/1700 - 1900	139 . 2/1800
Displ.	mL	2 . 85	2 . 98	2 . 85	2 . 67	2 . 369
Models		2-4t	2 -4t	2 -4t	2-4t	2 -4t
Trans.		Mech./Hydr.	Mech./Hydr.	Mech./Hydr.	Mech./Hydr.	Mech./Hydr.

Model	Unit	Xinchai 4D27G31	Xinchai 4D30G31	Xinchai C490BPG	Xinchai A498BT1	Xinchai 4D29V41
Emission		China III	China III	Euro III	Euro III	China IV
Fuel		Diesel	Diesel	Diesel	Diesel	Diesel
Power	Kw/r/min	36 . 8/2500	36 . 8/2500	36 . 8/2650	36 . 8/2400	36 . 8/2500
Torque	N · m/r/min	156/1700 - 1900	174/1800 -2000	156/1700 - 1900	186/1600-1800	165/1600 - 1800
Displ.	mL	2 . 67	2 . 98	2 . 67	3 . 168	2 . 85
Models		2-4t	2 -4t	2 -4t	2-4t	2 -4t
Trans.		Mech./Hydr.	Mech./Hydr.	Mech./Hydr.	Mech./Hydr.	Mech./Hydr.

Model	Unit	Xinchai 3E22YG51	Yanmar 4TNE98-BQFLC	Mitsubishi S4S	Cummins QSF2.8T3NA49	Cummins QSF2.8T3NA60
Emission		Euro V	China III	China III	China III	China III
Fuel		Diesel	Diesel	Diesel	Diesel	Diesel
Power	Kw/r/min	44 . 8/2400	42 . 1/2300	35 .3/2250	36/2500	43/2500
Torque	N · m/r/min	185/1600 - 1800	177 . 6 - 196 . 3/1700	177/1700	186/1100 - 1500	186/1500
Displ.	mL	2 . 23	3 . 319	3 . 331	2 . 8	2 . 8
Models		3-3 .5t	2-4t	2-4t	2-4t	2-4t
Trans.		Hydraulic	Mech./Hydr.	Hydraulic	Hydraulic	Hydraulic

Model	Unit	Guangqing GQ-4Y	Nissan K25	Kubota V2403	Kubota WG2503
Emission		Euro II	None	US Tier 4 / Euro V	US Tier 4 / Euro V
Fuel		Gasoline	Gasoline	Diesel	Gasoline/LPG
Power	Kw/r/min	37/2800	37 .4/2250	42 . 6/2400	41 .3/2600
Torque	N · m/r/min	163/1800	143 . 7/1600	198 . 5/1600	173/1800
Displ.	mL	2 . 237	2 .488	2.4	2.5
Models		2-4t	2-4t	3-3 . 8t	3 -3 . 8t
Trans.		Hydraulic	Hydraulic	Hydraulic	Hydraulic

2-4 t Two-Stage Wide-View Mast

Max. Lift Height	Mast Height																		Free Lift Height												Mast Tilt			Rated Capacity						
	Mast Lowered Height						Mast Extended Height																																	
							With Load Backrest						Without Load Backrest						With Load Backrest						Without Load Backrest						Fwd./Back			Load Center 500 mm						
	2t	2.5t	3t	3.5t	3.8t	4.0t	2t	2.5t	3t	3.5t	3.8t	4.0t	2t	2.5t	3t	3.5t	3.8t	4.0t	2t	2.5t	3t	3.5t	3.8t	4.0t	2t	2.5t	3t	3.5t	3.8t	4.0t	2t/2.5t	3/3.5t	3.8t/4t	2t	2.5t	3t	3.5t	3.8t	4.0t	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	(°)	(°)	(°)	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)
2000	1495	1495	1570	1625	1625	1635	3005	3005	3185	3185	3185	3195	2695	2695	2725	2725	2725	2735	135	135	135	140	145	155	135	135	135	140	145	155	6/12	6°/12°	6°/12°	2000	2500	3000	3500	3800	4000	
2500	1745	1745	1820	1875	1875	1885	3505	3505	3685	3685	3685	3695	3195	3195	3225	3225	3225	3235	135	135	135	140	145	155	135	135	135	140	145	155	6/12	6°/12°	6°/12°	2000	2500	3000	3500	3800	4000	
2700	1845	1845	1920	1975	1975	1985	3705	3705	3885	3885	3885	3895	3395	3395	3425	3425	3425	3435	135	135	135	140	145	155	135	135	135	140	145	155	6/12	6°/12°	6°/12°	2000	2500	3000	3500	3800	4000	
3000	1995	1995	2070	2125	2125	2135	4005	4005	4185	4185	4185	4195	3695	3695	3725	3725	3725	3735	135	135	135	140	145	155	135	135	135	140	145	155	6/12	6°/12°	6°/12°	2000	2500	3000	3500	3800	4000	
3300	2145	2145	2220	2275	2275	2285	4305	4305	4485	4485	4485	4495	3995	3995	4025	4025	4025	4035	135	135	135	140	145	155	135	135	135	140	145	155	6/12	6°/12°	6°/12°	2000	2500	3000	3500	3800	4000	
3500	2245	2245	2320	2375	2375	2385	4505	4505	4685	4685	4685	4695	4195	4195	4225	4225	4225	4235	135	135	135	140	145	155	135	135	135	140	145	155	6/12	6°/12°	6°/12°	2000	2500	3000	3500	3800	4000	
3600	/	/	2370	2425	/	/	/	/	4785	4785	/	/	/	/	4325	4325	/	/	/	/	/	135	140	/	/	/	/	135	140	/	/	/	6°/12°	6°/12°	/	/	3000	3500	/	/
3700	2345	2345	2420	2475	2475	2485	4705	4705	4885	4885	4885	4895	4395	4395	4425	4425	4425	4435	135	135	135	140	145	155	135	135	135	140	145	155	6/12	6°/12°	6°/12°	2000	2500	3000	3500	3800	4000	
3800	/	/	2470	2525	2525	2535	/	/	4985	4985	4985	4995	/	/	4525	4525	4525	4535	/	/	135	140	145	155	/	/	135	140	145	155	/	6°/12°	6°/12°	/	/	3000	3500	3600	3700	
4000	2545	2545	2620	2675	2675	2685	5105	5105	5185	5185	5185	5195	4795	4795	4725	4725	4725	4735	135	135	135	140	145	155	135	135	135	140	145	155	6/12	6°/12°	6°/12°	2000	2500	3000	3200	3500	3700	3800
4250	2670	2670	2745	2800	2800	2810	5355	5355	5435	5435	5435	5445	5045	5045	4975	4975	4975	4985	135	135	135	140	145	155	135	135	135	140	145	155	6/8	6°/8°	6°/8°	1900	2250	2850	3100	3550	3650	
4500	2795	2795	2870	2925	2925	2935	5605	5605	5685	5685	5685	5695	5295	5295	5225	5225	5225	5235	135	135	135	140	145	155	135	135	135	140	145	155	6/8	6°/8°	6°/8°	*2000	*2500	*3000	*3200	*3650	*3750	
4750	2920	2920	2995	3050	3050	3060	5855	5855	5935	5935	5935	5945	5545	5545	5475	5475	5475	5485	135	135	135	140	145	155	135	135	135	140	145	155	6/8	6°/8°	6°/8°	*1900	*2400	*3000	*3050	*3600	*3700	
5000	3045	3045	3120	3175	3175	3185	6105	6105	6185	6185	6185	6195	5795	5795	5725	5725	5725	5735	135	135	135	140	145	155	135	135	135	140	145	155	6/8	6°/8°	6°/8°	*1800	*2300	*2950	*3000	*3400	*3500	
																																		*1600	*1650	*2400	*2400	*3000	*3100	
																																		*1700	*2200	*2850	*2850	*3200	*3300	
5500	3345	3345	3420	3475	3475	3485	6705	6705	6685	6685	6685	6695	6395	6395	6225	6225	6225	6235	135	135	135	140	145	155	135	135	135	140	145	155	6/8	6°/8°	6°/8°	*1600	*1950	*2400	*2500	2700	2800	
6000	3595	3595	3670	3725	3725	3735	7205	7205	7185	7185	7185	7195	6895	6895	6725	6725	6725	6735	135	135	135	140	145	155	135	135	135	140	145	155	3/6	3°/6°	3°/6°	*1500	*1800	*2200	*2300	2200	2300	

2-4 t Two-Stage Full-Free-Lift Wide-View Mast

Max. Lift Height	Mast Height																								Free Lift Height												Mast Tilt			Rated Capacity					
	Mast Lowered Height						Mast Extended Height																		Free Lift Height												Mast Tilt			Rated Capacity					
							With Load Backrest						Without Load Backrest						With Load Backrest						Without Load Backrest						Fwd/Back			Load Center 500 mm											
	2t	2.5t	3t	3.5t	3.8t	4.0t	2t	2.5t	3t	3.5t	3.8t	4.0t	2t	2.5t	3t	3.5t	3.8t	4.0t	2t	2.5t	3t	3.5t	3.8t	4.0t	2t	2.5t	3t	3.5t	3.8t	4.0t	2/2.5	3/3.5	3.8/4	2t	2.5t	3t	3.5t	3.8t	4.0t						
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	(°)	(°)	(°)	(kg)	(kg)	(kg)	(kg)	(kg)	(kg)						
2000	1495	1495	1625	1625	1625	1635	3005	3005	3175	3175	3175	3185	2670	2670	2775	2775	2775	2785	530	530	485	490	490	500	865	865	885	890	890	900	6/12	6°/12	6°/12	2000	2500	3000	3500	3800	4000						
2250	1620	1620	1750	1750	1750	1760	3255	3255	3425	3425	3425	3435	2920	2920	3025	3025	3025	3035	655	655	610	615	615	625	990	990	1010	1015	1015	1025	6/12	6°/12	6°/12	2000	2500	3000	3500	3800	4000						
2500	1745	1745	1875	1875	1875	1885	3505	3505	3675	3675	3675	3685	3170	3170	3275	3275	3275	3285	780	780	735	740	740	750	1115	1115	1135	1140	1140	1150	6/12	6°/12	6°/12	2000	2500	3000	3500	3800	4000						
2700	1845	1845	1975	1975	1975	1985	3705	3705	3875	3875	3875	3885	3370	3370	3475	3475	3475	3485	880	880	835	840	840	850	1215	1215	1235	1240	1240	1250	6/12	6°/12	6°/12	2000	2500	3000	3500	3800	4000						
3000	1995	1995	2125	2125	2125	2135	4005	4005	4175	4175	4175	4185	3670	3670	3775	3775	3775	3785	1030	1030	985	990	990	1000	1365	1365	1385	1390	1390	1400	6/12	6°/12	6°/12	2000	2500	3000	3500	3800	4000						
3300	2145	2145	2275	2275	2275	2285	4310	4310	4475	4475	4475	4485	3975	3975	4075	4075	4075	4085	1180	1180	1135	1140	1140	1150	1515	1515	1535	1540	1540	1550	6/12	6°/12	6°/12	2000	2500	3000	3500	3800	4000						
3500	2245	2245	2375	2375	2375	2385	4505	4505	4675	4675	4675	4685	4170	4170	4275	4275	4275	4285	1280	1280	1235	1240	1240	1250	1615	1615	1635	1640	1640	1650	6/12	6°/12	6°/12	2000	2500	3000	3500	3800	4000						
3700	2345	2345	2475	2475	2475	2485	4705	4705	4875	4875	4875	4885	4370	4370	4475	4475	4475	4485	1380	1380	1335	1340	1340	1350	1715	1715	1735	1740	1740	1750	6/12	6°/12	6°/12	2000	2500	3000	3500	3800	4000						
4000	2545	2545	2675	2675	2675	2685	5005	5005	5175	5175	5175	5185	4670	4670	4775	4775	4775	4785	1580	1580	1535	1540	1540	1550	1915	1915	1935	1940	1940	1950	6/12	6°/12	6°/12	2000	2500	3000	3200 3500	3700	3800						