

4000-7000 lbs

**Internal Combustion
Counterbalanced Forklift
(Euro Stage V)**



CP(Q)YD 20/25/30/35



Manufacturer and technical parameters

Characteristics							
1.01	Model			CP(Q)YD20	CP(Q)YD25	CP(Q)YD30	CP(Q)YD35
1.02	Rated capacity	lbs		4000	5000	6000	7000
1.03	Load center	in		24	24	24	24
1.04	Driving mode			Gas/LPG			
1.05	Power type			Sit- ontype			
Dimensions							
2.01	Lifting height (standard)	H	in	118.1	118.1	118.1	118.1
2.02	Mast overall height(Fork to the ground and mast be vertical)	H1	in	78.7	78.7	81.5	83.5
2.03	Max. fork lifting height(With backrest)	H2	in	158.7	158.7	166.0	166.0
2.04	Free lift height	H3	in	5.9	5.9	6.1	6.3
2.05	Overall height(Overhead guard)	H4	in	83.5	83.5	84.3	84.3
2.06	Min. ground clearance(At the mast)	H5	in	4.5	4.5	5.3	5.3
2.07	Distance from the surface of the seat to the overahead guard	H6	in	41.3	41.3	41.3	41.3
2.08	Traction pin height	H9	in	11.4	11.4	12.2	12.2
2.09	Backrest height(Calculated from the surface of the fork)	H13	in	39.4	39.4	46.5	46.3
2.10	Overall length(With fork/ Without fork)	(L/L')	in	136.2/100	144.9/102.8	150.1/108	150.4/108.3
2.11	Wheel base	L1	in	65.0	65.0	68.9	68.9
2.12	Front overhang	L2	in	18.3	18.3	18.9	19.1
2.13	Rear overhang	L3	in	16.7	19.5	20.5	20.5
2.14	Overall width	W1	in	45.7	45.7	48.2	48.2
2.15	Tread(Front tread/Rear tread)	(W3/W2)	in	38.2/38.2		39.4/38.2	
2.16	Fork adjustable range(the external of the fork)(Max./Min.)	W5	in	40.6/9.6	40.6/9.6	41.7/9.8	41.7/9.8
2.17	Min. turning radius(Exterior)	r	in	87.2	89.4	94.5	94.5
2.18	Min. tuming radius(Interior)	r'	in	1.4	1.4	3.1	3.1
2.19	Aisle width for pallets 40x48 crossways	Ast	in	152.8	154.9	160.6	160.8
2.20	Aisle width for pallets 32x48 crossways	Ast	in	160.6	162.8	168.4	168.7
2.21	Mast tilting angle (forward / rear)	α/β	deg.	6°/ 12°	6°/ 12°	6°/ 12°	6°/ 12°
2.22	Fork size	L4xWxT	in	36.2x4.8x1.57	42.1x4.8x1.57	42.1x4.9x1.77	42.1x4.9x1.97
Weight							
3.01	Total weight	lbs		7275	8047	9414	10141
3.02	Weight distribution loaded (Front/Rear)	lbs		10384/1300	11993/1565	14176/1852	16050/1808
3.03	Weight distribution unloaded (Front/Rear)	lbs		3395/3880	3240/4806	3858/5555	3946/6195
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		28x9-15-14PR/6.5-10-10PR	
4.04	Service brake			Hydraulic-foot Pedel			
4.05	Parking brake			Mechanical-Hand lever			

Truck main specifications and drive and transmission control device

Model		CP(Q)YD20	CP(Q)YD25	CP(Q)YD30	CP(Q)YD35
Performance					
Max.drawbar pull (Loaded/Unloaded)	lbf	5170/2923	5170/3147	4946/3372	4720/3597
Max.Gradeability(Loaded/Unloaded)	%	30/26	29/22	26/22	20/21
Traveling Speed(Loaded/Unloaded)	mph	10.625/11.25	10.625/11.25	11.25/11.875	11.25/11.875
Lifting Speed(Loaded/Unloaded)	fpm	98.4/104.3	98.4/104.3	84.6/90.6	78.7/82.7
Lowing Speed(Loaded/Unloaded)	fpm	88.6/98.4	88.6/98.4	88.6/98.4	68.9/78.7
Drive and transmission control device					
Engine Manufacturer/Model		Kubota WG2503			
Rated Power/Rated Speed	hp/rpm	GAS:57.4/2600, LPG:58.3/2600			
Max. Torque/Rated Speed	lb.ft/rpm	GAS:120.1/1800, LPG:128/1400			
Cyl. Number		4-88×102.4			
Displacement	L	2.491			
Engine type		GAS/LPG			
Emission		Euro StageV/EPA2、CARB			
Battery(voltage/capacity)	V/Ah	12/60			

WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. lifting height(in)	Load capacity (load center 24") (lbs)				Mast overall height (fork to the ground)(in.)			Free lifting height (with backrest)(in.)			Service weight(lbs.)				Mast tilting angle(°)α/β
		4000lbs	5000lbs	6000lbs	7000lbs	4000-5000lbs	6000lbs	7000lbs	4000-5000lbs	6000lbs	7000lbs	4000lbs	5000lbs	6000lbs	7000lbs	
ZSM360	142	4000	4800	5800	6500	70.9	73.6	73.6	31.5	25.2	27.2	7705	8455	9855	10373	6/6
ZSM400	158	3800	4800	5800	6500	76.8	79.5	79.5	37.4	31.1	33.1	7804	8543	9943	10472	6/6
ZSM435	171	3850 3900*	4400 4800*	5700 5800*	5800 6100*	80.7	83.5	83.5	41.3	35.0	37.0	7871	8642	10009	10527	6/6
ZSM450	177	3750 3800*	4300 4600*	5500 5600*	5600 5900*	82.7	85.4	85.4	43.3	37.0	39.0	7893	8741	10042	10560	6/6
ZSM470	185	3720 3800*	4000 4600*	5300 5600*	5400 5800*	85.2	87.8	87.8	45.9	39.4	41.3	7937	8830	10053	10582	6/6
ZSM480	189	3700 3800*	3900 4600*	5100 5600*	5300 5800*	87.0	89.4	89.4	47.6	40.9	42.9	7970	8929	10086	10604	6/6
ZSM500	197	3600 3750*	3300 4500*	4900 5500*	5000 5700*	90.6	93.3	93.3	51.2	44.9	46.9	8025	9028	10141	10659	6/6
ZSM540	213	3450 3700*	3000 4300*	4600 5300*	4700 5400*	94.5	97.2	97.2	55.1	48.8	50.8	8091	9116	10207	10725	3/6
ZSM600	236	3200*	3600*	4200*	4400*	102.4	105.1	105.1	63.0	56.7	58.7	8322	9215	10428	10957	3/6
ZSM650	256	2900*	3300*	3800*	4000*	110.2	113.0	113.0	70.9	64.6	66.5	8444	9315	10549	11078	3/6
ZSM700	276	2300*	2600*	3600*	4000*	117.1	119.9	119.9	77.8	71.5	73.4	8565	9403	10659	11177	3/3
ZSM750	295	1900*	2100*	2400*	2400*	124.0	132.7	132.7	84.6	84.3	86.2	8796	9502	10968	11486	3/3

Note: (1)*stands for the rated capacity when the front tyre is double-tyre.

(2)When the front tyre of the 4000-7000lb truck is double tyre, the service weight of the truck is the weight in the table plus 243 lbs.

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* Our products are subject to improvements and changes without notice.

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