

**Class V
Pneumatic Tire Forklift 4,000-7,000 lbs**



Manufacturers Data and Design Characteristics																			
Characteristics																			
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		CPCD20		CPCD25		CPCD30		CPCD35		CP(Q)YD20		CP(Q)YD25		CP(Q)YD30					
		Diesel																	
		Gasoline/LPG/Dual Fuel																	
		4000		5000		6000		7000		4000		5000		6000		7000			
		inch				24						24							
Dimensions																			
5	Overall mast height with backrest	h4	inch	157.2	157.2	166.4	166.2	157.2	157.2	166.4	166.2	157.2	157.2	166.4	166.2				
6	standard fork height	h3	inch	118															
7	overall lowered height	h1	inch	78.7	78.7	81.4	85.8	78.7	78.7	81.4	85.8	78.7	78.7	81.4	85.8				
8	Free lift standard backrest height	h2	inch	6.6	6.6	6.2	6.6	6.6	6.6	6.2	6.6	6.6	6.6	6.2	6.6				
9	Operator clearance	h7	inch	40.7															
10	Overall height	h6	inch	81.4	81.4	82.2	82.2	81.4	81.4	82.2	82.2	81.4	81.4	82.2	82.2				
11	Overall length(without forks)	L2	inch	99.2	102.2	106.3	106.8	99.2	99.2	106.3	106.8	99.2	102.2	106.3	106.8				
12	Front overhang	X	inch	18.9	18.9	19.1	19.6	18.9	18.9	19.1	19.6	18.9	18.9	19.1	19.6				
13	Rear overhang	L4	inch	17.3	20.2	20.2	20.2	17.3	17.3	20.2	20.2	17.3	20.2	20.2	20.2				
14	Wheel base	L5	inch	62.9	62.9	66.9	66.9	62.9	62.9	66.9	66.9	62.9	62.9	66.9	66.9				
15	top pin height	h5	inch	11.4	11.4	12.2	12.2	11.4	11.4	12.2	12.2	11.4	11.4	12.2	12.2				
16	Minimum ground clearance under mast	m1	inch	4.3	4.3	5.3	5.3	4.3	4.3	5.3	5.3	4.3	4.3	5.3	5.3				
17	Overall width	B	inch	45.2	45.2	48.2	48.2	45.2	45.2	48.2	48.2	45.2	45.2	48.2	48.2				
18	Lateral fork adjustment outside of fork(Max./Min.)	S	inch	39.3/8.7	39.3/8.7	41.5/9.8	41.5/9.8	39.3/8.7	39.3/8.7	41.5/9.8	41.5/9.8	39.3/8.7	39.3/8.7	41.5/9.8	41.5/9.8				
19	Tread(front)	R	inch	38.1	38.1	39.3	39.3	38.1	38.1	39.3	39.3	38.1	38.1	39.3	39.3				
20	Tread(rear)	P	inch	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1				
21	Outside turning radius	Wa	inch	85.4	88.1	94.4	95.2	85.4	85.4	94.4	95.2	85.4	88.1	94.4	95.2				
22	Inside turning radius	V	inch	6.2	6.2	7.8	7.8	6.2	6.2	7.8	7.8	6.2	6.2	7.8	7.8				
23	Minimum intersecting aisle	Ra	inch	86.6	89.7	93.7	94.4	86.6	86.6	93.7	94.4	86.6	89.7	93.7	94.4				
24	Tilting angles(forward/backward)	α/β		6° /12°															
25	fork dimension (a×b×c)		inch	42×3.93×1.77	42×3.93×1.77	42×4.92×1.77	42×4.92×1.97	42×3.93×1.77	42×3.93×1.77	42×4.92×1.77	42×4.92×1.97	42×3.93×1.77	42×3.93×1.77	42×4.92×1.77	42×4.92×1.97				
Performance																			
26	Max. Traveling speeds(With/Without load)	mile/h		10.6/11.8		11.2/11.8		11.8/11.8		10.6/11.8		11.2/11.8		11.8/11.8					
27	Lifting Speeds(With/Without load)	Ft/min		20.8/21.6		17.3/18.8		12.9/14.5		20.8/21.6		17.7/18.8		12.2/13.3					
28	Lowering Speeds(With/Without load)	Ft/min		17.7/21.6		17.7/19.6		13.7/15.7		17.7/21.6		17.7/19.6		13.7/15.7					
29	Max. Draw-bar pull,(With/Without load)	lbs		3690/2020		3640/1930		3620/2200		4630/2650		4560/1890		4560/1998		4237/2205		4237/2250	
30	Max. Negotiable Gradient(With/Without load)	%		23/20	25/20	20/17	21.5/17	15/17	16/17	20/15	22/15	18/20	18/20	15/17	15/17	12/14	14/14	15/15	15/15
Weights																			
31	Service Mass	lbs		7312	8105	9405	10352	7312	8105	9405	10352	7312	8105	9405	10352				
32	axle Load with load(Front/Rear)	lbs		10546/1171	12251/1361	14411/1601	16255/1806	10546/1171	12251/1361	14411/1601	16255/1806	10546/1171	12251/1361	14411/1601	16255/1806				
33	axle Load without load(Front/Rear)	lbs		2925/4387	3242/4863	3762/5643	4140/6211	2925/4387	3242/4863	3762/5643	4140/6211	2925/4387	3242/4863	3762/5643	4140/6211				
Tires																			
34	Wheels number front/rear(x=driven)			2X/2				2X/2											
35	Type			Pneumatic				Pneumatic											
36	size(front)			7.00-12-12PR		28×9-15-12PR		28×9-15-14PR		7.00-12-12PR		28×9-15-12PR		28×9-15-14PR					
37	size(rear)			6.00-9-10PR		6.50-10-10PR		6.50-10-10PR		6.00-9-10PR		6.50-10-10PR		6.50-10-10PR					
38	Service Brake			Hydraulic-Foot Pedal				Hydraulic-Foot Pedal											
39	Parking Brake			Mechanical-Hand Lever				Mechanical-Hand Lever											
Drive																			
40	Battery (Voltage/Capacity)	V/Ah		12/80				12/80											
41	Internal Combustion Engine Model			Kubota V2403 (high power V3600)				Kubota V3600				GM 3.0							
42	Internal Combustion Engine Rated Output	hp/rpm		47.5/2400				68/2400				Gasoline 68/2700,LPG 64/2700							
43	Internal Combustion Engine Rated Torque	lb.ft/rpm		114.2/1600				173.5/1400				Gasoline 146/1500,LPG 139/1500							
44	Internal Combustion Engine Displacement	L		148/2.434				220.9/3.62				18.3/2.966							
45	Internal Combustion Engine Fuel Tank Capacity	L		13.2				13.2											
46	Transmission Number of Speed Fwd/Bwd type			1-1Power Shift T/M , 2-2 Manual Shift T/M				1-1Power Shift T/M , 2-2 Manual Shift T/M											