

Specifications

Characteristics				2EPC5000		2EP5000		2EPC6000				
1	Capacity	at rated load center		lb	kg	4,928	2,500	4,928	2,500	5,917	3,000	
2		at load center -- distance		in	mm	24	500	24	500	24	500	
3	Power	diesel, gasoline, LP gas, electric			electric		electric		electric			
4	Tire type	cushion, solid pneumatic			solid pneumatic		solid pneumatic		solid pneumatic			
5	Wheels (x=driven)	number front / rear			2x / 2		2x / 2		2x / 2			
Dimensions				2EPC5000		2EP5000		2EPC6000				
11	Lift with standard two-stage mast	maximum fork height		in	mm	122	3,100	122	3,100	122	3,100	
12		free fork height		in	mm	5.9	150	5.9	150	5.9	150	
13	Forks	thickness x length x width		in	mm	1.6x4.7x43	40x120x1,100	1.6x4.7x43	40x120x1,100	1.8x4.9x43	45x125x1,100	
	Fork spacing	out-to-out minimum / maximum		in	mm	13.25 / 40.25	335 / 1,022	13.25 / 40.25	335 / 1,022	13.75 / 40.5	349 / 1,028	
14	Tilt	forward / backward		deg		6° / 8°		6° / 8°		6° / 8°		
15	Overall dimensions	length to fork face		in	mm	90.4	2,295	96.1	2,440	90.6	2,300	
16		width	standard		in	mm	47.2	1,198	47.2	1,198	47.2	1,198
			w/ wide stance drive wheels		in		N/A		N/A		51.2	1,300
17		height	with lowered mast		in	mm	88.2	2,240	88.2	2,240	88.2	2,240
18			seat height to SIP		in	mm	46.9	1,190	46.9	1,190	46.9	1,190
19			to top of overhead guard		in	mm	88.2	2,240	88.2	2,240	88.2	2,240
20	with extended mast		in	mm	170	4,320	170	4,320	174	4,430		
21	Minimum outside turning radius		in	mm	78.7	2,000	84.7	2,150	78.7	2,000		
22	Load moment constant		in	mm	16.7	425	16.7	425	16.9	430		
23	Minimum aisle - 90° stack -- zero clearance without load		in	mm	95.5	2,425	101.4	2,575	95.7	2,430		
Performance				2EPC5000		2EP5000		2EPC6000				
24	Speeds	travel speed	loaded / empty	mph	km/h	10.0 / 10.6	16.0 / 170	10.0 / 10.6	16.0 / 170	10.0 / 10.6	16.0 / 170	
25		lift speed	loaded / empty	fpm	m/s	84.7 / 108.3	0.43 / 0.55	84.7 / 108.3	0.43 / 0.55	78.7 / 108.3	0.40 / 0.55	
26		lowering speed	loaded / empty	fpm	m/s	114.2 / 114.2	0.58 / 0.58	114.2 / 114.2	0.58 / 0.58	114.2 / 114.2	0.58 / 0.58	
27	Drawbar pull (max.)	60 min. rating	loaded / empty	lb-f	N	809 / 899	3,600 / 4,000	787 / 877	3,500 / 3,900	1,012 / 1,124	4,500 / 5,000	
		5 min. rating	loaded / empty	lb-f	N	2,810 / 2,923	12,500 / 13,000	2,810 / 2,923	12,500 / 13,000	3,147 / 3,260	14,000 / 14,500	
28	Gradeability	maximum gradeability	loaded / empty	%		17 / 25		17 / 25		15 / 23		
Weight				2EPC5000		2EP5000		2EPC6000				
29	Empty	with minimum weight battery		lb	kg	10,472	4,750	10,311	4,677	11,530	5,230	
30	Axle load	with rated load	front	lb	kg	14,191	6,437	14,321	6,496	16,152	7,327	
			rear	lb	kg	1,793	813	1,502	681	1,992	903	
		without load	front	lb	kg	5,443	2,469	5,858	2,657	5,558	2,521	
			rear	lb	kg	5,029	2,281	4,453	2,020	5,950	2,699	
Chassis				2EPC5000		2EP5000		2EPC6000				
31	Tire size	front, standard solid pneumatic tires			225 / 75-10		225 / 75-10		250/60-12			
		rear solid pneumatic tires			180/70-8		180/70-8		200/50-10			
32	Wheelbase			in	mm	62.0	1,575	67.7	1,720	62.0	1,575	
33	Tread width	front, standard solid pneumatic tires			in	mm	39.0	990	39.0	990	37.4	950
34		rear solid pneumatic tires			in	mm	37.0	940	37.0	940	37.0	940
35	Ground clearance	at lowest point at mast			in	mm	4.7	120	4.7	120	4.7	120
36		at center of wheelbase			in	mm	5.3	135	5.3	135	5.3	135
37	Brakes	service		type		mechanical		mechanical		mechanical		
38		parking		type		electric		electric		electric		
Powertrain				2EPC5000		2EP5000		2EPC6000				
39	Battery	dimensions (length x width x height)		in		27.99x40.47x30.87		33.66x40.47x30.87		27.99x40.47x30.87		
40		maximum capacity at 6 hr. discharge rate		Ah	kWh	700	54.4	700	54.4	700	54.4	
41		weight, minimum / maximum		lb	kg	3,263 / 4,037	1,480 / 1,831	3,902 / 4,436	1,770 / 2,012	3,263 / 4,037	1,480 / 1,831	
42	Motors	traction output (60 min. rating)		HP	kW	16.1	12.0	16.1	12.0	16.1	12.0	
43		lift output (15% rating)		HP	kW	24.8	18.5	24.8	18.5	24.8	18.5	
44	Controls	drive		type		impulse / AC		impulse / AC		impulse / AC		
45		hydraulic		type		AC		AC		AC		
46	Flow rate for attachments		gpm	lpm	6.6	25	6.6	25	6.6	25		
47	Relief pressure	for attachments at auxiliary		psi	bar	2,900	200	2,900	200	2,900	200	
48	Noise level	mean value at operator's ear		dB(A)		70		70		70		

NOTE: Dimensions represent maximum battery size, not compartment size. These specifications assume the use of drive axles, tires and tilt angles specified. Any modification to specifications, or any other combination of specifications made after the shipment of the truck, requires prior written approval from Mitsubishi Caterpillar Forklift America Inc. (MCFI). (See ANSI/ITSDF B56.1.) Also be advised that overall operating visibility may be affected by the mast configuration and mast options of your forklift truck. Therefore, you may need to add ancillary [auxiliary] devices or modify your operating practices. Consult your dealer for further information.

2EP6000		2EP6500		
1	5,917	3,000	6,608	3,000
2	24	500	24	600
3	electric		electric	
4	solid pneumatic		solid pneumatic	
5	2x / 2		2x / 2	

2EP6000		2EP6500		
11	122	3,100	122	3,100
12	5.9	150	5.9	150
13	1.8x4.9x43	45x125x1,100	2.0x4.9x45	50x125x1,150
	13.75 / 40.5	349 / 1,028	13.75 / 40.5	349 / 1,028
14	6° / 8°		6° / 8°	
15	96.3	2,445	96.5	2,450
	47.2	1,198	51.2	1,300
16	51.2	1,300	N/A	
17	88.2	2,240	88.2	2,240
18	46.9	1,190	46.9	1,190
19	88.2	2,240	88.2	2,240
20	174	4,430	174	4,430
21	84.7	2,150	84.7	2,150
22	16.9	430	16.9	430
23	101.6	2,580	101.6	2,580

2EP6000		2EP6500		
24	10.0 / 10.6	16.0 / 170	10.0 / 10.6	16.0 / 170
25	78.7 / 108.3	0.40 / 0.55	78.7 / 108.3	0.40 / 0.55
26	114.2 / 114.2	0.58 / 0.58	114.2 / 114.2	0.58 / 0.58
27	1,012 / 1,124	4,500 / 5,000	1,012 / 1,124	4,500 / 5,000
	3,147 / 3,260	14,000 / 14,500	3,147 / 3,260	14,000 / 14,500
28	15 / 23		15 / 23	

2EP6000		2EP6500		
29	11,303	5,127	11,876	5,387
	16,086	7,297	16,462	7,467
30	1,831	830	2,005	910
	5,846	2,652	5,876	2,665
	5,457	2,475	5,985	2,715

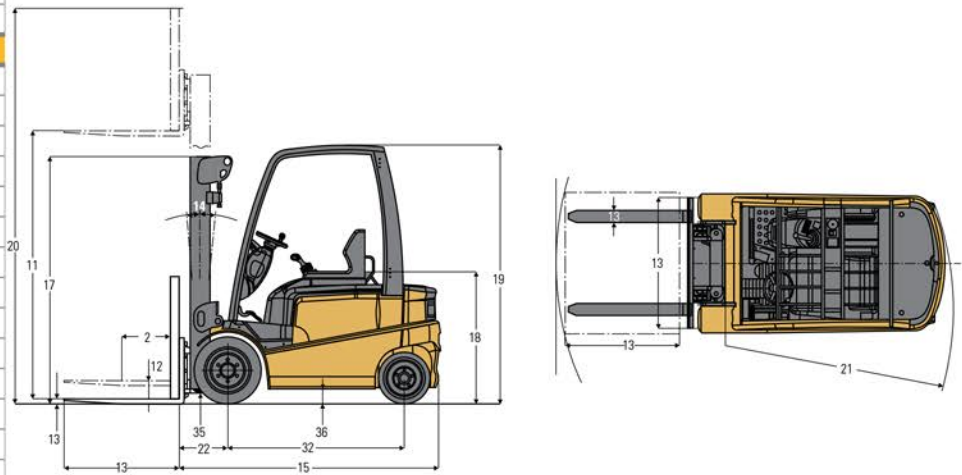
2EP6000		2EP6500		
31	250/60-12		315/45-12	
	180/70-8		200/50-10	
32	67.7	1,720	67.7	1,720
33	37.4	950	39.4	1,000
34	37.0	940	37.0	940
35	4.7	120	4.7	120
36	5.3	135	5.3	135

2EP6000		2EP6500		
37	mechanical		mechanical	
38	electric		electric	
39	33.66x40.47x30.87		33.66x40.47x30.87	
40	700	54.4	700	54.4
41	3,902 / 4,436	1,770 / 2,012	3,902 / 4,436	1,770 / 2,012
42	16.1	12.0	16.1	12.0
43	24.8	18.5	24.8	18.5

2EP6000		2EP6500		
44	impulse / AC		impulse / AC	
45	AC		AC	
46	6.6	25	6.6	25
47	2,900	200	2,900	200
48	70		70	

Call-out numbers shown in diagram correspond to the first column of the specifications chart.

2EPC5000-2EP6500



Performance		2EPC5000		2EP5000		2EPC6000		2EP6000		2EP6500	
		High Performance Configurations									
Speeds	travel speed	loaded	mph	11.8	11.8	11.8	11.8	11.8	11.8	11.8	19.0
		km/h	19.0	19.0	19.0	19.0	19.0	19.0	11.8	19.0	
	lift speed	empty	mph	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
		km/h	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	
		loaded	fpm	94.5	94.5	84.7	84.7	84.7	84.7	84.7	
		m/s	0.48	0.48	0.43	0.43	0.43	0.43	0.43		
lowering speed	empty	fpm	118.1	118.1	118.1	118.1	118.1	118.1	118.1		
	m/s	0.60	0.60	0.60	0.60	0.60	0.60	0.60			
Drawbar pull (maximum)	60 min. rating	loaded	lb-f	1,147	1,102	1,124	1,124	1,124	1,124		
		N	5,100	4,900	5,000	5,000	5,000	5,000			
	5 min. rating	empty	lb-f	1,259	1,237	1,304	1,304	1,304	1,304		
		N	5,600	5,500	5,800	5,800	5,800	5,800			
Gradeability	maximum gradeability	loaded	%	19	19	17	18	17			
		empty	%	27	27	25	26	25			
Motors	traction output (60 min. rating)	HP	20.1	20.1	20.1	20.1	20.1				
	kW	15.0	15.0	15.0	15.0	15.0					
	lift output (15% rating)	HP	29.5	29.5	29.5	29.5	29.5				
	kW	22.0	22.0	22.0	22.0	22.0					

Safety Standards

These trucks meet American National Standards Institute/ Industrial Truck Standards Development Foundation, ANSI/ITSDF B56.1. Users should be aware of, and adhere to, applicable codes and regulations regarding operator training, use, operation and maintenance of powered industrial trucks, including:

- ANSI/ITSDF B56.1.
- NFPA 505, fire safety standard for powered industrial trucks – type designations, areas of use, maintenance, and operation.
- Occupational Safety and Health Administration (OSHA) regulations that may apply.

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