

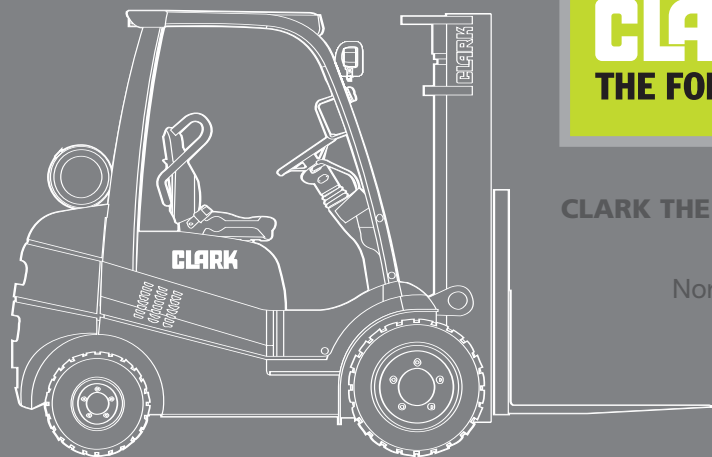
IC-PNEUMATIC

GEN2™ Series

Pneumatic Tire Lift Trucks LPG/LPG High Performance/Gasoline/Diesel

C20	4,000 lbs 2000 kg
C25	5,000 lbs 2500 kg
C30	6,000 lbs 3000 kg
C35	7,000 lbs 3300 kg

C20/25/30/35



CLARK THE FORKLIFT

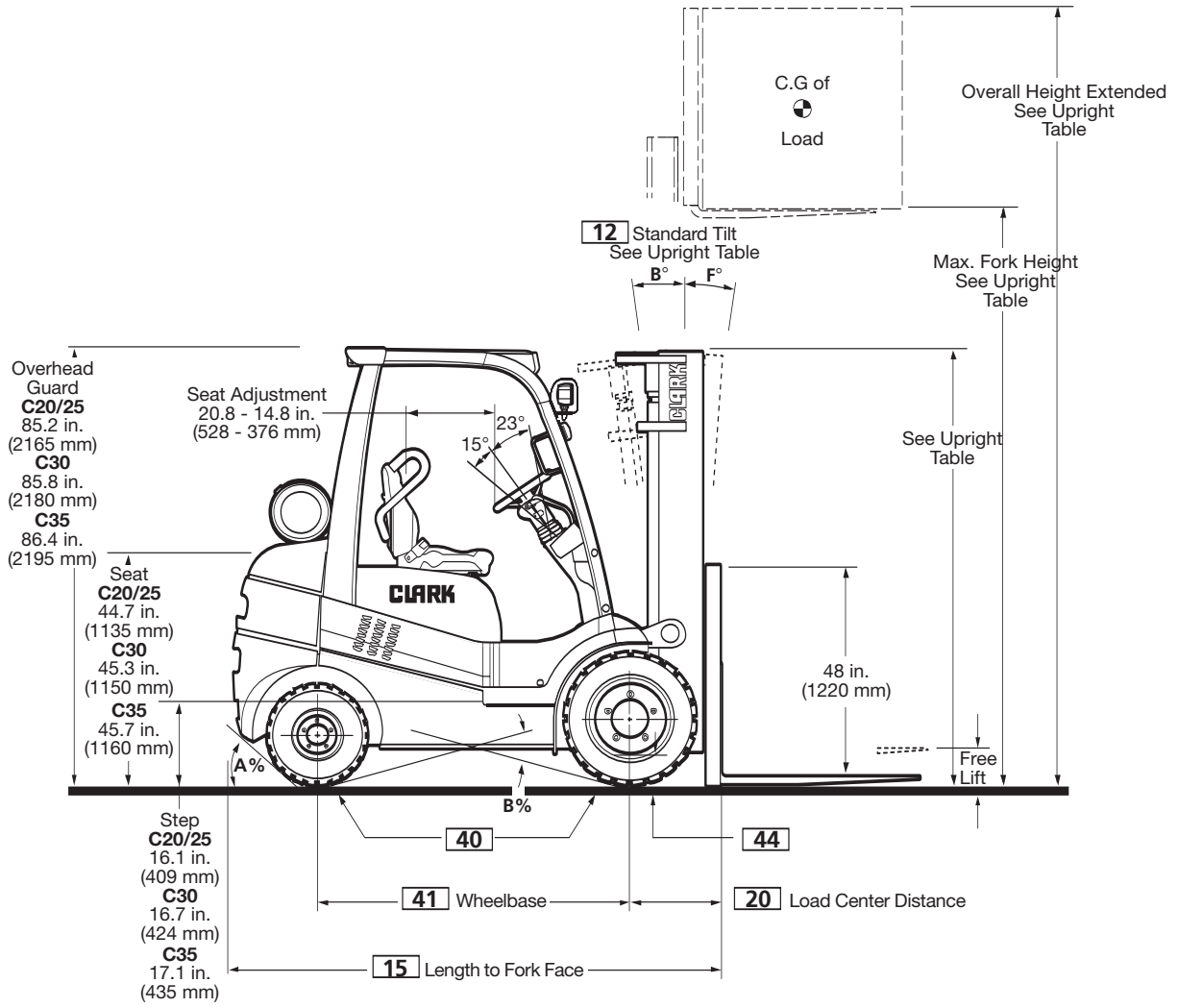
North America

Korea

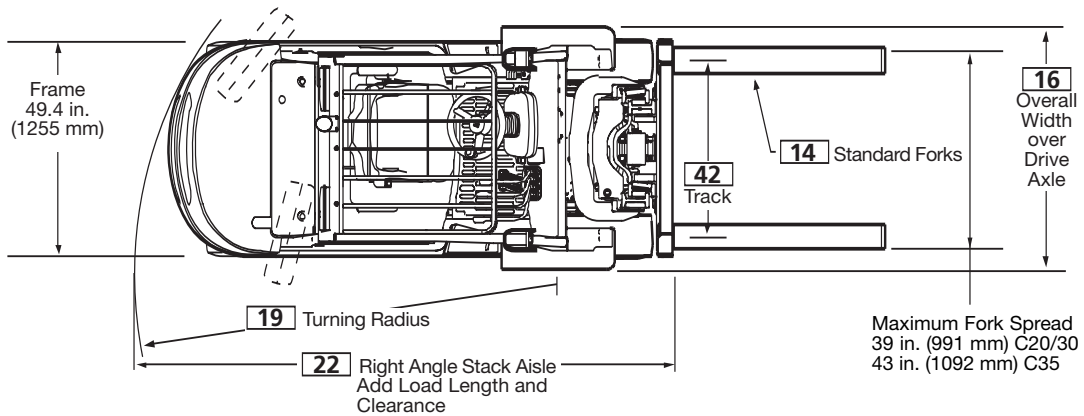
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For corresponding data see Specification Chart.

DIMENSIONS



C20/25/30/35



Upright Table

	Maximum Fork Height		Overall Height ¹ Lowered		Free Lift ⁴		Standard Tilt Spec ² B°/F°
	in	mm	in	mm	in	mm	
C20/25 Standard							
83	2110	62.0	1575	4.13	105	6/10	
105	2665	73.0	1854	4.13	105	6/10	
117	2970	78.9	2004	4.13	105	6/10	
•130	3300	85.2	2164	4.13	105	10/8	
146	3705	96.7	2456	4.13	105	10/8	
152	3860	99.6	2529	4.13	105	10/8	
164	4165	110.2	2799	4.13	105	5/6	
172	4380	118.1	2999	4.13	105	5/6	
182	4620	127.2	3230	4.13	105	5/6	
203	5170	137.6	3495	4.13	105	5/3	

C30 Standard							
83	2110	62.6	1590	4.33	110	6/10	
105	2665	73.6	1869	4.33	110	6/10	
117	2970	79.5	2019	4.33	110	6/10	
•130	3300	85.8	2179	4.33	110	10/F	
146	3705	97.2	2468	4.33	110	10/8	
152	3860	100.2	2545	4.33	110	10/8	
164	4165	110.8	2814	4.33	110	5/6	
172	4380	118.7	3014	4.33	110	5/6	
182	4620	127.8	3246	4.33	110	5/6	
203	5170	138.2	3510	4.33	110	5/3	

C35 Standard							
78	1985	63	1610	4.5	115	6/10	
100	2545	74	1890	4.5	115	6/10	
112	2845	80	2040	4.5	115	6/10	
125	3165	87	2200	4.5	115	10/8	
141	3590	98	2490	4.5	115	10/8	
147	3725	101	2565	4.5	115	10/8	
159	4030	112	2835	4.5	115	5/6	
167	4245	119	3035	4.5	115	5/6	
177	4485	129	3265	4.5	115	5/6	
198	5035	139	3530	4.5	115	5/3	

C20/25 Triple Stage³							
152	3860	73.0	1854	47.3	1201	5/6	
170	4315	78.9	2004	53.2	1351	5/6	
•189	4800	85.2	2164	59.5	1511	5/6	
205	5205	90.7	2303	64.9	1648	5/3	
217	5510	96.7	2456	70.9	1800	5/3	
226	5740	99.6	2529	73.8	1875	5/3	
240	6095	105.9	2689	80.1	2035	5/3	
251	6370	110.2	2799	84.5	2135	3/3	
269	6830	118.1	2999	92.3	2344	3/3	
288	7315	127.2	3230	101.4	2576	3/3	

C30 Triple Stage³							
152	3860	73.6	1869	45.5	1156	5/6	
170	4315	79.5	2019	51.4	1306	5/6	
•189	4800	85.8	2179	57.7	1466	5/6	
205	5205	91.3	2319	63.2	1605	5/3	
217	5510	97.2	2468	69.1	1755	5/3	
226	5740	100.2	2545	72.0	1829	5/3	
240	6095	106.5	2705	78.3	1989	5/3	
251	6370	110.8	2814	82.7	2100	3/3	
269	6830	118.7	3014	90.5	2299	3/3	
288	7315	127.8	3246	99.6	2530	3/3	

C35 Triple Stage³							
146	3680	74	1890	26	671	5/6	
163	4140	80	2040	32	821	5/6	
•182	4620	87	2200	39	981	5/6	
198	5030	92	2340	44	1121	5/3	
210	5340	98	2490	50	1271	5/3	
219	5560	101	2565	53	1346	5/3	
233	5920	107	2725	59	1506	5/3	
243	6190	112	2835	63	1616	3/3	
262	6650	119	3035	71	1816	3/3	
281	7135	129	3265	81	2046	3/3	

Upright Table (cont.)

	Maximum Fork Height		Overall Height ¹ Lowered		Free Lift ⁴		Standard Tilt Spec ² B°/F°
	in	mm	in	mm	in	mm	
C20/25 Hi-Lo							
116	2945	78.9	2004	54.4	1381	6/10	
•128	3250	85.2	2164	60.7	1541	10/8	
139	3531	90.7	2303	66.2	1681	10/8	
148	3760	96.7	2456	72.1	1831	10/8	
154	3912	99.6	2529	75.1	1907	5/6	

C30 Hi-Lo							
116	2945	79.5	2019	52.4	1331	6/10	
•128	3250	85.8	2179	58.7	1491	10/8	
139	3531	91.3	2319	64.2	1631	10/8	
148	3760	97.2	2468	70.1	1781	10/8	
154	3912	100.2	2545	73.1	1857	5/6	

C20/25/30 Quad³							
216	5485	79	2006	53	1346	5/3	
•240	6096	85	2159	59	1499	5/3	
258	6553	91	2311	65	1651	3/0	
276	7010	97	2463	71	1803	3/0	
294	7465	103	2616	77	1955	1/0	
312	7925	109	2769	83	2108	1/0	

Grade Clearance

Model	A%	B%
C20/25	57.7	23.2
C30	57.7	22.9
C35	30.0	25.4

- Indicates preferred common specification.
- ¹ For overall height raised with load backrest, add 48 in. (1220 mm) to maximum fork height.
- ² Standard tilt shown. Contact Clark representative for information on optional tilt.
- ³ Dual drive or wide profile single drive tires are required with uprights above 247 in. (6270 mm) MFH. Dual drive is standard with Quad uprights, for single drive request special quote. Quads require Class II carriages, forks and load backrests.
- ⁴ Freelif dimensions shown are without load backrest.

Other uprights available, contact a Clark representative.

Notes

Production engines and driveline components may vary in output and/or efficiency by ±5%. The performance shown represents nominal values which may be obtained under typical operating conditions of a machine.

Clark products and specifications are subject to change without notice.

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ASME and Insurance Classification

Standard truck meets all applicable mandatory requirements of ASME-B56.1 Safety Standard for Powered Industrial Trucks and Underwriters Laboratories requirements as to fire hazard only. For further information contact a Clark representative.

SPECIFICATIONS

Notes: 1 Weights and performance information are given on trucks with 189 in. (4800 mm) triple uprights.

3 Performance information shown for LPG.
4 Engines rated per SAE J1349.

General Information	1	Manufacturer		Clark	Clark	Clark		
	2	Model	Manufacturer's designation	C20L	C25L	C30L		
	3	Load capacity	lbs(kg)	4000 (2000)	5000 (2500)	6000 (3000)		
	4	Load center	Fork face to load CG	in(mm)	24 (500)	24 (500)	24 (500)	
	5	Drive unit	Type	LPG	LPG	LPG		
	6	Operator type		Rider counterbalanced	Rider counterbalanced	Rider counterbalanced		
	7	Tire type		Pneumatic	Pneumatic	Pneumatic		
	8	Wheels (x=driven)	Front/rear	2 x / 2	2 x / 2	2 x / 2		
Basic Dimensions ¹	9	Upright ¹	Maximum fork height, full capacity	in(mm)	170 (4320)	170 (4320)	170 (4320)	
	10		Lift height (preferred triple upright)	in(mm)	189 (4800)	189 (4800)	189 (4800)	
	11		Free lift ¹	in(mm)	59.5 (1511)	59.5 (1511)	57.7 (1466)	
	12	Upright tilt	Back/forward (see tilt specifications)	degrees	5B / 6F	5B / 6F	5B / 6F	
	14	Fork	Std. Fork size (TxWxL)	in(mm)	1.75x4x42 (45x100x1070)	1.75x4x42 (45x100x1070)	1.75x4.8x42 (45x122x1070)	
	15	Overall dimensions ¹	Length to fork face ¹	in(mm)	98.3 (2496)	100.7 (2558)	105.0 (2668)	
	16		Width over drive axle	in(mm)	48.2 (1225)	48.2 (1225)	48.7 (1237)	
	17		Height, upright lowered ¹	in(mm)	85.2 (2165)	85.2 (2165)	85.8 (2180)	
			Height, upright extended w/ load backrest ¹	in(mm)	237 (6020)	237 (6020)	237 (6020)	
	18		Height, overhead guard	in(mm)	85.2 (2165)	85.2 (2165)	85.8 (2165)	
	19	Turning radius	Outside	in(mm)	88.4 (2245)	90.6 (2300)	94.7 (2405)	
	20	Load center distance ¹	Center of drive axle to fork face ¹	in(mm)	17.9 (455)	17.9 (455)	18.8 (477)	
	22	Right angle stack aisle ¹	Add load length and clearance ¹	in(mm)	106.3 (2700)	108.5 (2755)	113.5 (2882)	
	Performance ^{1,2,3}	23	Stability	According to ASME B56.1		Yes	Yes	Yes
24		Speed ³	Travel speed, max w/load	mph(kph)	12.5 (20.3)	12.4 (20.1)	12.4 (20.1)	
25			Travel speed, max w/o load	mph(kph)	12.9 (20.9)	12.6 (20.4)	12.6 (20.4)	
			Speed on grade, loaded ³	5%, loaded ³	mph(kph)	9.9 (16.0)	9.3 (15.1)	8.9 (14.4)
				10%, loaded ³	mph(kph)	6.2 (10.0)	5.3 (8.5)	4.5 (7.2)
				15%, loaded ³	mph(kph)	4.0 (6.5)	3.2 (5.1)	2.4 (3.9)
26		Lift speed, loaded/empty ³	Standard upright ³	fpm(ms)	97/108 (.49/.55)	95/108 (.48/.55)	93/108 (.47/.55)	
28			Triple stage upright ³	fpm(ms)	93/104 (.47/.53)	91/104 (.46/.53)	89/104 (.45/.53)	
29		Lower speed,loaded/empty	Standard upright	fpm(ms)	89/89 (.45/.45)	89/89 (.45/.45)	89/89 (.45/.45)	
			Triple stage upright	fpm(ms)	85/85 (.43/.43)	85/85 (.43/.43)	85/85 (.43/.43)	
30	Drawbar pull, maximum ^{1,3}	With load ³	lbs/N	3750 / 16,680	3710 / 16,500	3660 / 16,280		
32	Gradeability ^{1,3}	At 1 mph (1.6 kph) with load ³	%	27.0	23.9	20.6		
		Maximum with/without load ^{1,3}	%	31.3 / 29.5	27.0 / 25.5	23.4 / 22.9		
Weights ¹	34	Service weight ¹	lbs(kg)	8088 (3669)	8838 (4009)	9786 (4439)		
	35	Axle loading ¹	With load, front ¹	lbs(kg)	10,885 (4937)	12,386 (5618)	14,213 (6447)	
	36		With load, rear ¹	lbs(kg)	1203 (546)	1452 (659)	1573 (713)	
	37		Without load, front ¹	lbs(kg)	4258 (1931)	4101 (1860)	4271 (1937)	
	38		Without load, rear ¹	lbs(kg)	3830 (1737)	4737 (2149)	5515 (2502)	
Chassis	39	Tires	Number, front/rear		2 / 2	2 / 2	2 / 2	
	40		Size, front	in	7.00x12 - 14PR	7.00x12 - 14PR	8.15x15 - 14PR	
			Size, rear	in	6.00x9 - 10PR	6.00x9 - 10PR	6.50x10 - 12PR	
	41	Wheelbase		in(mm)	63.8 (1620)	63.8 (1620)	66.9 (1700)	
	42	Track	Front/rear	in(mm)	39.1 / 35.6 (994/904)	39.1 / 35.6 (994/904)	40.5/35.9 (1028/912)	
	44	Ground clearance	Minimum/at center of wheelbase	in(mm)	5.3/6.1 (135/155)	5.3/6.1 (135/155)	5.9/6.5 (150/165)	
	46	Service brake	Type		Drum	Drum	Drum	
	47	Parking brake	Actuation		Foot	Foot	Foot	
	Steering	Type		Hydrostatic	Hydrostatic	Hydrostatic		
Drive Line	49	Engine ^{3,4}	Manufacturer/model		Mitsubishi / 4G64	Mitsubishi / 4G64	Mitsubishi / 4G64	
	51		Rated output ^{3,4}	HP/kW@rpm	46 / 34 @ 2250	46 / 34 @ 2250	46 / 34 @ 2250	
			Torque ^{3,4}	Lb-ft/Nm@rpm	114 / 155 @ 1400	114 / 155 @ 1400	114 / 155 @ 1400	
	52		Speed, max governed	rpm	2650	2650	2650	
	53		Cylinders/displacement	cu. in.-liters	4 / 143 - 2.4	4 / 143 - 2.4	4 / 143 - 2.4	
54	Transmission	Manufacturer/type, speeds F/R		Clark/Powershift, 1/1	Clark/Powershift, 1/1	Clark/Powershift, 1/1		
57	Hydraulic pressure	For attachments	PSI/Bar	Adjustable	Adjustable	Adjustable		
		58	Sound level	Avg. at operator's ear per ISO	dB(A)	78	78	78

Note: See High Performance specs for C35L.

Notes:
1 Weights and performance information are given on trucks with 189 in. (4800 mm) triple uprights (182 in (4625 mm) on C35).
3 Engines rated per SAE J1349.

SPECIFICATIONS

2 Performance information shown for LPG-High Performance. Performance with gasoline will be greater than values shown.
4 High Performance is standard on the C35L.

General Information	1	Manufacturer		Clark	Clark	Clark	Clark	
	2	Model	Manufacturer's designation	C20L High Performance	C25L High Performance	C30L High Performance	C35L High Performance⁴	
	3	Load capacity	lbs(kg)	4000 (2000)	5000 (2500)	6000 (3000)	7000 (3300)	
	4	Load center	Fork face to load CG	in(mm)	24 (500)	24 (500)	24 (500)	24 (500)
	5	Drive unit	Type	LPG	LPG	LPG	LPG	
	6	Operator type		Rider counterbalanced	Rider counterbalanced	Rider counterbalanced	Rider counterbalanced	
	7	Tire type		Pneumatic	Pneumatic	Pneumatic	Pneumatic	
	8	Wheels (x=driven)	Front/rear	2 x / 2	2 x / 2	2 x / 2	2 x / 2	
Basic Dimensions ¹	9	Upright ¹	Maximum fork height, full capacity	in(mm)	170 (4318)	170 (4318)	170 (4320)	146 (3680)
	10		Lift height (preferred triple upright)	in(mm)	189 (4800)	189 (4800)	189 (4800)	182 (4620)
	11		Free lift ¹	in(mm)	59.5 (1511)	59.5 (1511)	57.7 (1466)	39.0 (981)
	12	Upright tilt	Back/forward (see tilt specifications)	degrees	5B / 6F	5B / 6F	5B / 6F	5B/6F
	14	Fork	Std. Fork size (LxWxL)	in(mm)	1.75x4x42 (45x100x1070)	1.75x4x42 (45x100x1070)	1.75x4.8x42 (45x122x1070)	2.0x4.8x42 (50x122x1070)
	15	Overall dimensions ¹	Length to fork face ²	in(mm)	98.3 (2496)	100.7 (2558)	105.0 (2668)	109.0 (2770)
	16		Width over drive axle	in(mm)	48.2 (1225)	48.2 (1225)	48.7 (1237)	51.8 (1315)
	17		Height, upright lowered ²	in(mm)	85.2 (2165)	85.2 (2165)	85.8 (2180)	87.0 (2200)
			Height, upright extended w/ load backrest ¹	in(mm)	237 (6020)	237 (6020)	237 (6020)	230 (5842)
	18		Height, overhead guard	in(mm)	85.2 (2165)	85.2 (2165)	85.8 (2180)	86.4(2195)
	19	Turning radius	Outside	in(mm)	88.4 (2245)	90.6 (2300)	94.7 (2405)	97.6 (2480)
	20	Load center distance ¹	Center of drive axle to fork face ²	in(mm)	17.9 (455)	17.9 (455)	18.8 (477)	18.7 (475)
22	Right angle stack aisle ¹	Add load length and clearance ²	in(mm)	106.3 (2700)	108.5 (2755)	113.5 (2882)	116.3 (2955)	
Performance ^{1,2,3}	23	Stability	According to ASME B56.1		Yes	Yes	Yes	Yes
	24	Speed ³	Travel speed, max w/load	mph(kph)	13.3 (21.5)	13.2 (21.3)	13.0 (21.1)	13.6 (21.5)
	25		Travel speed, max w/o load	mph(kph)	13.6 (22.0)	13.5 (21.8)	13.7 (22.2)	13.9 (22.3)
		Speed on grade, loaded ³	5%, loaded ²	mph(kph)	12 (19.4)	11.8 (19.1)	11.5 (18.6)	7.5 (12.1)
			10%, loaded ²	mph(kph)	7.1 (11.5)	6.0 (9.7)	5.0 (8.1)	3.7 (6.0)
			15%, loaded ²	mph(kph)	4.7 (7.6)	3.8 (6.2)	2.9 (4.7)	1.7 (2.7)
	26	Lift speed, loaded/empty ²	Standard upright ¹	fpm(ms)	106/124 (.54/.63)	104/124 (.53/.63)	102/124 (.52/.63)	83/102 (.42/.52)
	28		Triple stage upright ¹	fpm(ms)	102/126 (.52/.61)	100/120 (.51/.61)	98/120 (.50/.61)	79/98 (.40/.50)
	29	Lower speed, loaded/empty	Standard upright	fpm(ms)	89/89 (.45/.45)	89/89 (.45/.45)	89/89 (.45/.45)	89/89 (.45/.45)
			Triple stage upright	fpm(ms)	85/85 (.43/.43)	85/85 (.43/.43)	85/85 (.43/.43)	85/85 (.43/.43)
30	Drawbar pull, maximum ^{1,3}	With load ²	lbs/N	4125 / 18350	4125 / 18350	4050 / 18015	3307 (14,710)	
32	Gradeability ^{1,3}	At 1 mph (1.6 kph) with load ²	%	30.2	25.8	21.2	17	
		Maximum with/without load ^{2,3}	%	36.1 / 29.5	30.8 / 25.5	25.3 / 22.9	19.0 / 16.4	
Weights ¹	34	Service weight ¹	lbs(kg)	8088 (3669)	8838 (4009)	9786 (4439)	10300 (4672)	
	35	Axle loading ¹	With load, front ¹	lbs(kg)	10885 (4937)	12,386 (5618)	14,213 (6447)	15,138 (6881)
	36		With load, rear ¹	lbs(kg)	1203 (546)	1452 (659)	1573 (713)	2162 (983)
	37		Without load, front ¹	lbs(kg)	4258 (1931)	4101 (1860)	4271 (1937)	3671 (1665)
	38		Without load, rear ¹	lbs(kg)	3830 (1737)	4737 (2149)	5515 (2502)	6629 (3007)
Chassis	39	Tires	Number, front/rear		2 / 2	2 / 2	2 / 2	2 / 2
	40		Size, front	in	7.00x12 - 14PR	7.00x12 - 14PR	8.15x15 - 14PR	250x15-18PR
			Size, rear	in	6.00x9 - 10PR	6.00x9 - 10PR	6.50x10 - 12PR	6.50x10-12PR
	41	Wheelbase		in(mm)	63.8 (1620)	63.8 (1620)	66.9 (1700)	66.9 (1700)
	42	Track	Front/rear	in(mm)	39.1/35.6 (994/904)	39.1/35.6 (994/904)	40.5/35.9 (1028/912)	41.3/35.9 (1050/912)
	44	Ground clearance	Minimum/at center of wheelbase	in(mm)	5.3/6.1 (135/155)	5.3/6.1 (135/155)	5.9/6.5 (150/165)	6.5/6.5 (165/165)
	46	Service brake	Type		Drum	Drum	Drum	Drum
	47	Parking brake	Actuation		Foot	Foot	Foot	Foot
	Steering	Type		Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	
Drive Line	49	Engine ^{3,4}	Manufacturer/model		Mitsubishi / 4G64	Mitsubishi / 4G64	Mitsubishi / 4G64	Mitsubishi / 4G64
	51		Rated output ⁴	HP/kW@rpm	47.5 / 35.4 @ 2250	47.5 / 35.4 @ 2250	47.5 / 35.4 @ 2250	50.0/37.3 @2650
			Torque ⁴	Lb-ft/Nm@rpm	120 / 163 @ 1400	120 / 163 @ 1400	120 / 163 @ 1400	116 / 158 @ 1400
	52		Speed, max governed	rpm	2650	2650	2650	2650
	53		Cylinders/displacement	cu. in.-liters	4 / 143 - 2.4	4 / 143 - 2.4	4 / 143 - 2.4	4 / 143 - 2.4
	54	Transmission	Manufacturer/type, speeds F/R		Clark/Powershift, 1/1	Clark/Powershift, 1/1	Clark/Powershift, 1/1	Clark/Powershift, 1/1
57	Hydraulic pressure	For attachments	PSI/Bar	Adjustable	Adjustable	Adjustable	Adjustable	
58	Sound level	Avg. at operator's ear per ISO	dB(A)	78	78	78	78	

Note: Data in Bold shows values different compared to standard LPG.

3 Performance information shown for Diesel.
4 Engines rated per SAE J1349.

SPECIFICATIONS

Notes: 1 Weights and performance information are given on trucks with 189 in. (4800 mm) triple uprights (182 in (4625 mm) on the C35).

General Information	1	Manufacturer		Clark	Clark	Clark	Clark	
	2	Model	Manufacturer's designation	C20D	C25D	C30D	C35D	
	3	Load capacity	lbs(kg)	4000 (2000)	5000 (2500)	6000 (3000)	7000 (3300)	
	4	Load center	Fork face to load CG	in(mm)	24 (500)	24 (500)	24 (500)	24 (500)
	5	Drive unit	Type	Diesel	Diesel	Diesel	Diesel	
	6	Operator type		Rider counterbalanced	Rider counterbalanced	Rider counterbalanced	Rider counterbalanced	
	7	Tire type		Pneumatic	Pneumatic	Pneumatic	Pneumatic	
	8	Wheels (x=driven)	Front/rear	2 x / 2	2 x / 2	2 x / 2	2 x / 2	
Basic Dimensions ¹	9	Upright ¹	Maximum fork height, full capacity	in(mm)	170 (4320)	170 (4320)	170 (4320)	146 (3680)
	10		Lift height (preferred triple upright)	in(mm)	189 (4800)	189 (4800)	189 (4800)	182 (4620)
	11		Free lift ¹	in(mm)	59.5 (1511)	59.5 (1511)	57.7 (1466)	39.0 (981)
	12	Upright tilt	Back/forward (see tilt specifications)	degrees	5B / 6F	5B / 6F	5B / 6F	5B / 6F
	14	Fork	Std. Fork size (TxWxD)	in(mm)	1.75x4x42 (45x100x1070)	1.75x4x42 (45x100x1070)	1.75x4.8x42 (45x122x1070)	2.0x4.8x42 (50x122x1070)
	15	Overall dimensions ¹	Length to fork face ²	in(mm)	98.3 (2496)	100.7 (2558)	105.0 (2668)	109.0 (2770)
	16		Width over drive axle	in(mm)	48.2 (1225)	48.2 (1225)	48.7 (1237)	51.8 (1315)
	17		Height, upright lowered ¹	in(mm)	85.2 (2165)	85.2 (2165)	85.8 (2180)	87.0 (2200)
			Height, upright extended w/ load backrest ¹	in(mm)	237 (6020)	237 (6020)	237 (6020)	230 (5842)
	18		Height, overhead guard	in(mm)	85.2 (2165)	85.2 (2165)	85.8 (2180)	86.4 (2195)
	19	Turning radius	Outside	in(mm)	88.4 (2245)	90.6 (2300)	94.7 (2405)	97.6 (2480)
	20	Load center distance ¹	Center of drive axle to fork face ²	in(mm)	17.9 (455)	17.9 (455)	18.8 (477)	18.7 (475)
	22	Right angle stack aisle ¹	Add load length and clearance ²	in(mm)	106.3 (2700)	108.5 (2755)	113.5 (2882)	116.3 (2955)
	Performance ^{1,2,3}	23	Stability	According to ASME B56.1		Yes	Yes	Yes
24		Speed ³	Travel speed, max w/load	mph(kph)	12.0 (19.3)	12.0 (19.3)	12.7 (20.5)	13.0 (21)
25			Travel speed, max w/o load	mph(kph)	12.7 (20.4)	12.7 (20.4)	13.3 (21.4)	13.4 (21.5)
		Speed on grade, loaded ³	5%, loaded ²	mph(kph)	11.1 (17.8)	10.8 (17.4)	11.5 (18.5)	11.9
			10%, loaded ²	mph(kph)	9.9 (15.9)	6.8 (11.0)	5.5 (8.9)	6.1
			15%, loaded ²	mph(kph)	5.2 (8.4)	4.5 (7.2)	3.7 (5.9)	3.6
26		Lift speed, loaded/empty ³	Standard upright ¹	fpm(ms)	110/128 (.56/.65)	108/128 (.55/.65)	106/128 (.54/.65)	94.5/124 (.48/.63)
28			Triple stage upright ¹	fpm(ms)	106/124 (.54/.63)	104/124 (.53/.63)	102/124 (.52/.63)	90.6/120 (.46/.61)
29		Lower speed, loaded/empty	Standard upright	fpm(ms)	89/89 (.45/.45)	89/89 (.45/.45)	89/89 (.45/.45)	89/89 (.45/.45)
			Triple stage upright	fpm(ms)	85/85 (.43/.43)	85/85 (.43/.43)	85/85 (.43/.43)	85/85 (.43/.43)
30		Drawbar pull, maximum ^{1,3}	With load ¹	lbs/N	5209 / 23,170	5348 / 23,790	4640 / 20,640	4634/20,613
32	Gradeability ^{1,3}	At 1 mph (1.6 kph) with load ²	%	42.3	36.1	28.5	20.5	
		Maximum with/without load ^{1,3}	%	46.2 / 27.1	40.4 / 23.8	29.1 / 22.9	25.8/17.4	
Weights ¹	34	Service weight ¹	lbs(kg)	8088 (3669)	8838 (4009)	9786 (4439)	11,014 (4996)	
	35	Axle loading ¹	With load, front ¹	lbs(kg)	10885 (4937)	12,386 (5618)	14,213 (6447)	15,759 (7163)
	36		With load, rear ¹	lbs(kg)	1203 (546)	1452 (659)	1573 (713)	2,255 (1025)
	37		Without load, front ¹	lbs(kg)	4258 (1931)	4101 (1860)	4271 (1937)	4,292 (1947)
	38		Without load, rear ¹	lbs(kg)	3830 (1737)	4737 (2149)	5515 (2502)	6,722 (3049)
Chassis	39	Tires	Number, front/rear	2 / 2	2 / 2	2 / 2	2 / 2	
	40		Size, front	in	7.00x12 - 14PR	7.00x12 - 14PR	8.15x15 - 14PR	250x15-18PR
			Size, rear	in	6.00x9 - 10PR	6.00x9 - 10PR	6.50x10 - 12PR	6.50x10 - 12PR
	41	Wheelbase		in(mm)	63.8 (1620)	63.8 (1620)	66.9 (1700)	66.9 (1700)
	42	Track	Front/rear	in(mm)	39.1/35.6 (994/904)	39.1/35.6 (994/904)	40.5/35.9 (1028/912)	41.3/35.9 (1050/912)
	44	Ground clearance	Minimum/at center of wheelbase	in(mm)	5.3/6.1 (135/155)	5.3/6.1 (135/155)	5.9/6.5 (150/165)	6.5/6.5 (165/165)
	46	Service brake	Type	Drum	Drum	Drum	Drum	
	47	Parking brake	Actuation	Foot	Foot	Foot	Foot	
	Steering	Type	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic		
Drive Line	49	Engine ^{3,4}	Manufacturer/model	Yanmar 4TNE94	Yanmar 4TNE94	Yanmar 4TNE94	Yanmar 4TNE94	
	51		Rated output ⁴	HP/kW@rpm	59 / 42.9 @ 2500	59 / 42.9 @ 2500	59 / 42.9 @ 2500	59 / 42.9 @ 2500
			Torque ^{3,4}	Lb-ft/Nm@rpm	130 / 176 @ 1600	130 / 176 @ 1600	130 / 176 @ 1600	130 / 176 @ 1600
	52		Speed, max governed	rpm	2650	2650	2650	2650
	53		Cylinders/displacement	cu. in.-liters	4 / 171 - 2.8	4 / 171 - 2.8	4 / 171 - 2.8	4 / 171 - 2.8
54	Transmission	Manufacturer/type, speeds F/R	Clark/Powershift, 1/1	Clark/Powershift, 1/1	Clark/Powershift, 1/1	Clark/Powershift, 1/1		
57	Hydraulic pressure	For attachments	PSI/Bar	Adjustable	Adjustable	Adjustable	Adjustable	
58	Sound level	Avg. at operator's ear per ISO	dB(A)	79	79	79	79	

Note: Data in Bold shows values different compared to standard LPG.

CLARK GEN2 SERIES pneumatic tire trucks are suited to diverse applications in manufacturing, warehousing and distribution. Offered with an LPG, LPG High Performance, Gasoline or Diesel fuel system, these trucks provide very high levels of operator comfort, reliability, ease of service and low noise.

Operator Control & Comfort

Gen2 Series trucks feature a rubber isolated operator cell that provides a quiet, comfortable and spacious environment for operators of all sizes. The large floor area is free of obstructions covered with a long wearing rubber mat, and easily removable without tools. Large open steps and grab handles assist entry and exit from both sides. Two-pedal inch-brake system has low height, short travel pedals. Left pedal is for inching and brake operation; right pedal is for brake only. Left foot actuated parking brake.

Hydraulic control levers are cowl-mounted. Left hand fingertip operated directional control is electrically actuated; direction reversals are hydraulically cushioned. Safety seat with retractable seat belt and lateral restraints are proven effective. Six inches (150 mm) of front to back seat adjustment and separate seat and back cushions have molded bolsters that add comfort. Visual and audio seat belt prompt on start-up. Tilt steering column locks in one of six positions; 38° total travel. Small, thick section wheel is easily operated with one hand. Clamshell hood gives easy access for daily inspections.

Instrument Panel

The Clark Information Center (CIC) features a full LED/digital display with visual and audible engine monitoring warnings. Functions being monitored include water temperature, engine oil pressure, transmission oil temperature, ammeter, and low LPG fuel. An automatic engine shutdown system continuously monitors engine oil pressure, engine coolant temperature and transmission oil temperature. An hour meter and neutral start feature are also featured. The CIC includes prompts for the seat belt, parking brake, ignition key, headlights and service engine light.

Engine

Mitsubishi model 4G64, 2.4-liter (143 CI) 4-cylinder overhead cam engine with internal dynamic balancers and an LPG or gasoline fuel system. Camshaft and balancers are cog belt driven. Cast iron deep skirt block with aluminum cylinder head, 5-main bearing crankshaft.

Hydraulic valve lifters and electronic ignition reduce maintenance requirements. IMPCO LPG fuel systems are used with brackets for 33.5 lb. (15.2 kg) or 43.5 lb. (19.7 kg) tanks.

Yanmar model 4TNE94 2.8-Liter (171 C.I.) 4-cylinder Diesel engine. Vertical exhaust and a high volume hydraulic pump is standard on Diesel.

Engine Accessories/Capacities

Trucks are 12-volt negative ground and incorporate heavy-duty starters with anti-restart system. Batteries are rated at 550 CCA on LPG, 700 CCA on Diesel at 0° F (-18° C). All utilize high capacity air cleaners with raised air intake, automatic dirt ejectors and monitor indication for service. Supplemental optional safety element and pre-cleaners can be added without other changes. Central electric panel with blade fuses and relays are easily accessible. Environmentally sealed connectors; fusible links located outside of harness for ease of access. Filters are easily serviced and located to prevent spillage. Crankcase capacity is 4.0 qts. (3.8 L).

Transaxle

Clark model TA 30 single speed, full reversing, powershift transaxle with high stall ratio industrial torque converter, full-floating drive axles, and drum/shoe brake assemblies with dirt shields. Solenoid actuated, hydraulically modulated directional control and mechanically actuated, hydraulic inching. Helical drive gears operate smoothly and reduce noise. Auxiliary gear drive for efficient, bolt on hydraulic pump operation. Control elements and test ports readily accessible for service. Heavy-duty oil-to-air transmission cooler provides

independent transmission cooling. Full-flow transmission spin-on oil filter and sump screen are easily serviced.

Brakes

Self-energizing, hydraulically-actuated drum and shoe type service brakes. Shrouds prevent dirt entry into the brake area. Inching and brake operation with left pedal, braking only with right pedal. Heavy cast iron brake shoes, backing plates and drums with openings for inspection and adjustment; all components asbestos-free. Brakes are quickly accessed by removing wheel and brake drum; no axle removal is required. Left foot parking brake pedal actuates service brakes at both drive wheels.

Hydraulics

Single gear driven pump provides fluid for hydraulic functions and steering. Priority-demand steering system conserves energy by supplying hydraulic fluid on demand-only basis. Hydraulic tank is integral with truck frame, in-tank return line filter is quickly changed without spill. A quick-connect pressure port on the pump enables convenient pressure checks. All pressure fittings utilize O-ring type face seals to reduce possibility of leakage. Sump tank capacity is 8.0 gal. (30.2 L).

Steering

Full hydrostatic steering. A compact axle beam with an integral double acting steer cylinder. Spindle assemblies incorporate king pins and tapered roller bearings to provide a rugged, easily serviced assembly. Rubber isolation mounts that support the axle absorb shock and reduce noise. Metal shields protect bearing seals from wire or in-plant debris. Grease fittings extend linkage and king pin/bearing service life.

Upright

High visibility standard, Hi-Lo, triple stage and Quad uprights of heavy C-channel outer rails and full I-section inner and intermediate rails. A wide range of lift heights are available. All-roller operation of upright rails; upright rail and carriage rollers are canted to accept both normal and side thrust loads. The fork carriage employs six main rollers and additional side thrust rollers. Carriages are ITA Class II and III specifications. Load backrest is designed for optimum visibility. Hydraulic cushioning between stages aids in quiet operation. Self-lubricating trunion bushings and simplified roller access improve serviceability. Hydraulic tilt lock valve prevents improper tilt cylinder operation; integral flow limiting valves prevent rapid carriage descent in the event of a line failure; and lowering control allows faster lowering speeds when empty or with light loads.

Additional Features

A single auxiliary valve and two headlights mounted on the overhead guard are standard equipment. High Performance Package is standard on the C35. The auxiliary hydraulic flow can be easily adjusted at the main valve to match the requirements of different attachments. With a one-piece hood and quickly removable floorplate, all routine maintenance checkpoints are readily accessible. The operator cell is designed for operator comfort and productivity. Color is high visibility Clark Green with non-glare matte black trim and white wheels. Tow pin in the counterweight and rear tie-downs are standard. The Operator Manual is permanently attached inside the rear pocket of the comfortable safety seat.

Available Equipment

Auxiliary valves, hose adaptations, sideshifters, hydraulic control options, High Performance Package (standard on C35L & C20/35D), Unitrol foot directional control, reduced height overhead guard, operator cab with heater, combination stop/tail/backup lights, rear work light, turn signal lights, strobe lights, backup alarm, mirrors, convenience console, suspension seat, vinyl and cloth, U.L. Type LPS construction, seat actuated engine shutdown, vertical exhaust (standard on Diesel), 3-way catalytic exhaust purifier, 3-way catalytic exhaust purifier with closed loop, CARB certified, pre-cleaner – overhead guard mounted, air cleaner safety element, belly pan, radiator screen, Bottler's tilt and various tire options.

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