

CROWN

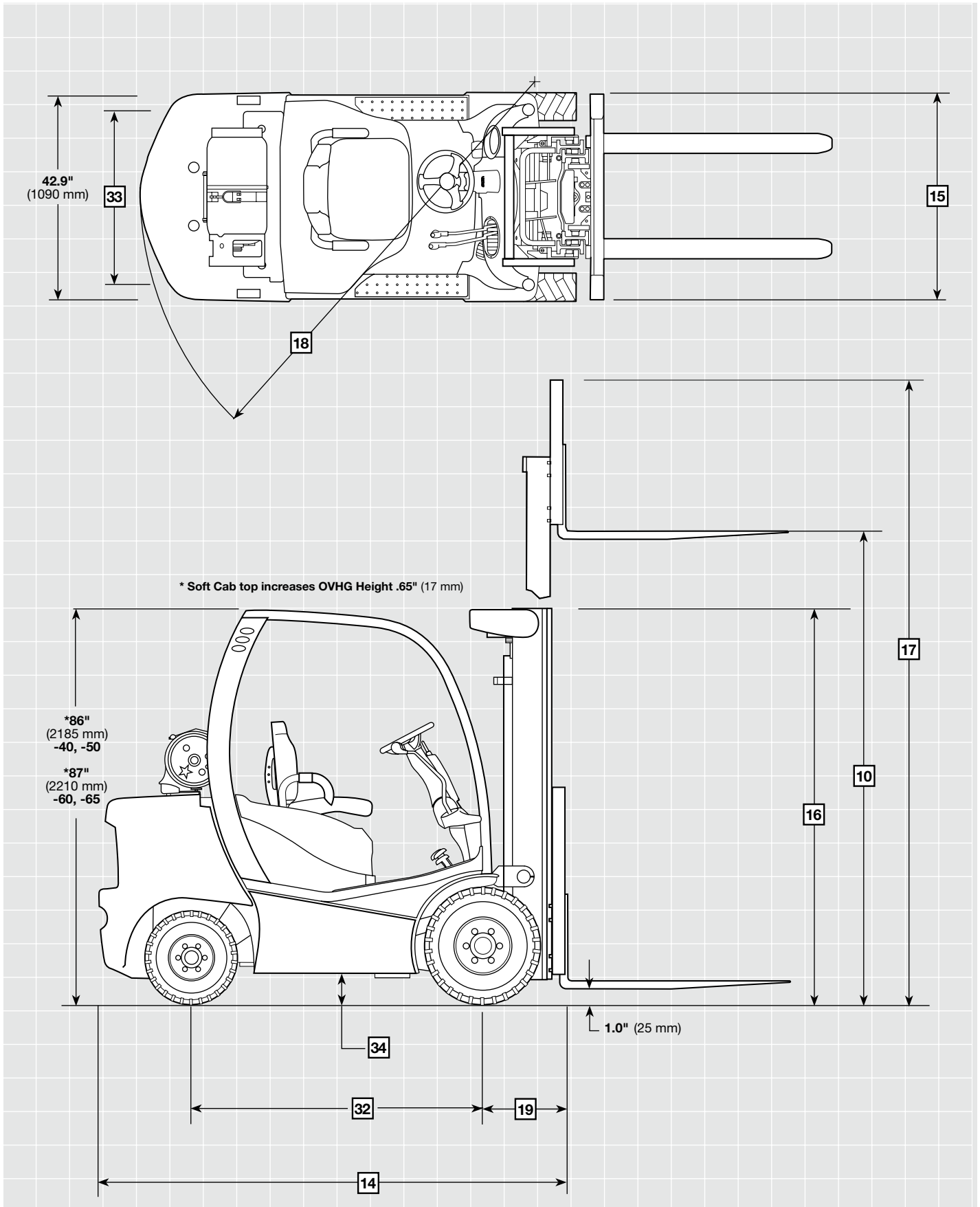
C-5

4,000-6,500 lb Capacity

IC Pneumatic Tire

Specifications





C-5 Series Pneumatic

Specifications

			<i>Imperial</i>	<i>Metric</i>	<i>Imperial</i>	<i>Metric</i>		
General Information	1	Manufacturer	Crown Equipment Corporation					
	2	Model	C5 1050-40		C5 1050-50			
	3	Load Capacity	lb kg	4000	1815	5000	2270	
	4	Load Center	Fork Face to Load CG	in mm	24	610	24	610
	5	Power (Fuel) Type	Gas, LPG, Diesel	LPG				
	6	Operator Type	Sit-down Rider Counterbalance					
	7	Tire Type	Resilient					
	8	Wheels (x = driven)	Number Front / Rear	2x / 2				
	9	Steering Type	Hydrostatic					
	10	Mast	Lifting Height (MFH) Free Lift Height	See Mast Chart				
Dimensions	11	Fork Carriage	ITA Class II					
	12	Forks	Standard L x W x T	in mm	42 x 4 x 1.8	1065 x 100 x 45	42 x 4 x 1.8	1065 x 100 x 45
			Optional Lengths	in mm	32, 36, 39, 40, 43.31, 45, 48, 54, 60, 72	815, 915, 990, 1015, 1100, 1145, 1220, 1370, 1525, 1830	32, 36, 39, 40, 43.31, 45, 48, 54, 60, 72	815, 915, 990, 1015, 1100, 1145, 1220, 1370, 1525, 1830
	13	Tilt	F / B	degree	5 / 5			
			Max. Height > 2° Tilt	See Mast Chart				
	14	Head Length	Length to Fork Face	in mm	101.8	2585	102.2	2595
	15	Width Overall	Standard Tread	in mm	47	1195	47	1195
			Wide Track	in mm	53.1	1350	53.1	1350
			Dual Drive	in mm	62.4	1585	62.4	1585
	16	Height with LBR	Mast Collapsed	See Mast Chart				
17		Mast Extended	See Mast Chart					
18	Turning Radius	Outside	in mm	92.6	2355	93.9	2385	
19	Load Distance	Center of Wheel to Fork Face	in mm	17.9	455	17.9	455	
20	Aisle Width (Add Load + Clear)	Right Angle Stack	in mm	110.5	2810	111.8	2840	
Performance	21	Speed Travel - Forward	Empty / Loaded	mph km/h	12.3 / 12.3	19.8 / 19.8	12.3 / 12.3	19.8 / 19.8
	22	Speed Travel - Reverse	Empty / Loaded	mph km/h	12.3 / 12.3	19.8 / 19.8	12.3 / 12.3	19.8 / 19.8
	23	Speed Lift	Empty / Loaded	fpm m/s	125 / 115	0.64 / 0.58	125 / 115	0.64 / 0.58
	24	Speed Lower	Empty / Loaded	fpm m/s	91 / 93	0.46 / 0.47	91 / 93	0.46 / 0.47
Weights	25	Drawbar Pull - Max.	lb kg	4597	2085	4597	2085	
	26	Gradeability - Max.	Empty / Loaded	%	39.5 / 29.7		36.8 / 25.8	
	27	Gross Vehicle Weight	lb kg	8605	3905	9430	4280	
Chassis	28	Axle Load Front	Empty / Loaded	lb kg	4680 / 11,335	2120 / 5140	4590 / 12,925	2085 / 5860
	29	Axle Load Rear	Empty / Loaded	lb kg	3925 / 1265	1780 / 575	4835 / 1505	2195 / 680
	30	Tires	Size Front / Standard, Dual Tire	in	7.00-12		7.00-12	
			Size Front Wide	in	27 x 10-12		27 x 10-12	
	31		Size Rear	in	6.00-9		6.00-9	
	32	Wheelbase		in mm	64	1625	64	1625
	33	Tread / Track Width	Front Standard / Rear	in mm	40 / 37.5	1015 / 955	40 / 37.5	1015 / 955
			Front Opt. Wide Tire / Rear	in mm	47 / 37.5	1195 / 955	47 / 37.5	1195 / 955
			Front Opt. Dual Drive Tire / Rear	in mm	55.4 / 37.5	1410 / 955	55.4 / 37.5	1410 / 955
	34	Ground Clearance	Center of Wheelbase	in mm	6.38	160	6.28	160
		Under Mast	in mm	5.4	135	5.3	135	
35	Brakes	Service	Foot / Hydraulic					
		Parking	Hand / Hydraulic					
Powertrain	36	Battery	V	12				
	37	Engine	Type	Crown LPG				
	38		No. of Cylinders / Displacement	4 Cyl / 2.4L				
	39		Rated Output (SAE gross)	HP @ rpm kW @ rpm	59 @ 2800	44 @ 2800	59 @ 2800	44 @ 2800
	40		Maximum Torque (SAE)	ft-lb @ rpm N-m @ rpm	125 @ 1400	169 @ 1400	125 @ 1400	169 @ 1400
	41	Transmission	Type	Powershift				
	42		Number of Speeds Forward / Reverse	1 / 1				
43	Auxiliary Function	Relief Pressure	psi bar	2600	179	2600	179	

C-5 Series Pneumatic

Specifications

			Imperial	Metric	Imperial	Metric		
General Information	1	Manufacturer	Crown Equipment Corporation					
	2	Model	C5 1050-60		C5 1050-65			
	3	Load Capacity	lb kg	6000	2720	6500	2950	
	4	Load Center	Fork Face to Load CG	in mm	24	610	24	610
	5	Power (Fuel) Type	Gas, LPG, Diesel					
	6	Operator Type	Sit-down Rider Counterbalance					
	7	Tire Type	Resilient					
	8	Wheels (x = driven)	Number Front / Rear					
	9	Steering Type	Hydrostatic					
	10	Mast	Lifting Height (MFH) Free Lift Height	See Mast Chart				
Dimensions	11	Fork Carriage	ITA Class III					
	12	Forks	Standard L x W x T	in mm	42 x 5 x 1.8	1065 x 125 x 45	42 x 5 x 1.8	1065 x 125 x 45
		Optional Lengths	in mm	36, 39, 40, 43.31, 45, 48, 54, 60, 72	915, 990, 1015, 1100, 1145, 1220, 1370, 1525, 1830	36, 39, 40, 43.31, 45, 48, 54, 60, 72	915, 990, 1015, 1100, 1145, 1220, 1370, 1525, 1830	
	13	Tilt	F / B	degree	5 / 5			
		Max. Height > 2° Tilt	See Mast Chart					
	14	Head Length	Length to Fork Face	in mm	106.3	2700	107.1	2720
	15	Width Overall	Standard Track	in mm	50.9	1295	50.9	1295
			Wide Tread	in mm	56.4	1435	56.4	1435
			Dual Drive	in mm	69.5	1765	69.5	1765
	16	Height with LBR	Mast Collapsed	See Mast Chart				
17		Mast Extended	See Mast Chart					
18	Turning Radius	Outside	in mm	98.1	2495	99.3	2525	
19	Load Distance	Center of Wheel to Fork Face	in mm	18.2	460	18.2	460	
20	Aisle Width (Add Load + Clear)	Right Angle Stack	in mm	116.3	2955	117.5	2985	
Performance	21	Speed Travel - Forward	Empty / Loaded	mph km/h	12.5 / 12.5	20.1 / 20.1	12.5 / 12.5	20.1 / 20.1
	22	Speed Travel - Reverse	Empty / Loaded	mph km/h	12.5 / 12.5	20.1 / 20.1	12.5 / 12.5	20.1 / 20.1
	23	Speed Lift	Empty / Loaded	fpm m/s	125 / 115	0.64 / 0.58	125 / 115	0.64 / 0.58
	24	Speed Lower	Empty / Loaded	fpm m/s	91 / 93	0.46 / 0.47	91 / 93	0.46 / 0.47
Weights	25	Drawbar Pull - Max.	lb kg	3842	1740	3842	1740	
	26	Gradeability - Max.	Empty / Loaded	%	31.2 / 20.3		26.6 / 18.4	
	27	Gross Vehicle Weight	lb kg	10,565	4790	11,155	5060	
Chassis	28	Axle Load Front	Empty / Loaded	lb kg	5025 / 14,880	2280 / 6750	4995 / 15,675	2265 / 7110
	29	Axle Load Rear	Empty / Loaded	lb kg	5535 / 1680	2510 / 765	6160 / 1980	2795 / 900
	30	Tires	Size Front / Standard, Dual Tire	in	28 x 9-15		28 x 9-15	
			Size Front Wide	in	355 / 45-15		355 / 45-15	
			Size Rear	in	6.50-10		6.50-10	
	32	Wheelbase	in mm	66.9	1700	66.9	1700	
	33	Tread / Track Width	Front Standard / Rear	in mm	42.2 / 37.7	1070 / 960	42.2 / 37.7	1070 / 960
			Front Opt. Wide Tire / Rear	in mm	49.2 / 37.7	1250 / 960	49.2 / 37.7	1250 / 960
			Front Opt. Dual Drive Tire / Rear	in mm	60.7 / 37.7	1540 / 960	60.7 / 37.7	1540 / 960
	34	Ground Clearance	Center of Wheelbase	in mm	7.06	175	7.04	175
Under Mast			in mm	6	150	6	150	
35	Brakes	Service	Foot / Hydraulic					
		Parking	Hand / Hydraulic					
Powertrain	36	Battery	V	12				
	37	Engine	Type	Crown LPG				
			No. of Cylinders / Displacement	4 Cyl / 2.4L				
	39		Rated Output	HP @ rpm	59 @ 2800	44 @ 2800	59 @ 2800	44 @ 2800
			(SAE gross)	kW @ rpm				
	40		Maximum Torque	ft-lb @ rpm	125 @ 1400	169 @ 1400	125 @ 1400	169 @ 1400
	41	Transmission	Type	Powershift				
Number of Speeds Forward / Reverse			1 / 1					
43	Auxiliary Function	Relief Pressure	psi bar	3100	214	3100	214	

C-5 Series Pneumatic

Specifications

			Imperial	Metric	Imperial	Metric		
General Information	1	Manufacturer	Crown Equipment Corporation					
	2	Model	C5 1055-50		C5 1055-65			
	3	Load Capacity	lb kg	5000	2270	6500	2950	
	4	Load Center	Fork Face to Load CG	in mm	24	610	24	610
	5	Power (Fuel) Type	Gas, LPG, Diesel					
	6	Operator Type	Diesel					
	7	Tire Type	Sit-down Rider Counterbalance					
	8	Wheels (x = driven)	Resilient					
	9	Steering Type	2x / 2					
	10	Mast	Lifting Height (MFH)	See Mast Chart				
		Free Lift Height						
Dimensions	11	Fork Carriage	ITA Class II		ITA Class III			
	12	Forks	Standard L x W x T	in mm	42 x 4 x 1.8	1065 x 100 x 45	42 x 5 x 1.8	1065 x 125 x 45
			Optional Lengths	in mm	32, 36, 39, 40, 43.31, 45, 48, 54, 60, 72	815, 915, 990, 1015, 1100, 1145, 1220, 1370, 1525, 1830	36, 39, 40, 43.31, 45, 48, 54, 60, 72	915, 990, 1015, 1100, 1145, 1220, 1370, 1525, 1830
	13	Tilt	F / B	degree	5 / 5			
			Max. Height > 2° Tilt	See Mast Chart				
	14	Head Length	Length to Fork Face	in mm	102.2	2595	107.1	2720
	15	Width Overall	Standard Tread	in mm	47	1195	50.9	1295
			Wide Track	in mm	53.1	1350	56.4	1435
			Dual Drive	in mm	62.4	1585	69.5	1765
	16	Height with LBR	Mast Collapsed	See Mast Chart				
17		Mast Extended	See Mast Chart					
18	Turning Radius	Outside	in mm	94.3	2395	99.6	2530	
19	Load Distance	Center of Wheel to Fork Face	in mm	17.9	455	18.2	460	
20	Aisle Width (Add Load + Clear)	Right Angle Stack	in mm	112.2	2850	117.8	2995	
Performance	21	Speed Travel - Forward	Empty / Loaded	mph km/h	12.2 / 12.2	19.6 / 19.6	11.1 / 11.1	17.9 / 17.9
	22	Speed Travel - Reverse	Empty / Loaded	mph km/h	12.2 / 12.2	19.6 / 19.6	11.1 / 11.1	17.9 / 17.9
	23	Speed Lift	Empty / Loaded	fpm m/s	118 / 116	0.60 / 0.59	118 / 116	0.60 / 0.59
	24	Speed Lower	Empty / Loaded	fpm m/s	91 / 93	0.46 / 0.47	91 / 93	0.46 / 0.47
Weights	25	Drawbar Pull - Max.	lb kg	4377	1985	4609	2090	
	26	Gradeability - Max.	Empty / Loaded	33.7 / 25.2		32.9 / 23.9		
	27	Gross Vehicle Weight	lb kg	9715	4405	11,130	5050	
Chassis	28	Axle Load Front	Empty / Loaded	lb kg	4815 / 13,150	2185 / 5965	5035 / 15,715	2285 / 7130
	29	Axle Load Rear	Empty / Loaded	lb kg	4900 / 1570	2225 / 710	6095 / 1915	2765 / 870
	30	Tires	Size Front / Standard, Dual Tire	in	7.00-12		28 x 9-15	
			Size Front Wide	in	27x10-12		355 / 45-15	
			Size Rear	in	6.00-9		6.50-10	
	31	Wheelbase	in mm	64	1625	66.9	1700	
	33	Tread / Track Width	Front Standard / Rear	in mm	40 / 37.5	1015 / 955	42.2 / 37.7	1070 / 960
			Front Opt. Wide Tire / Rear	in mm	47 / 37.5	1195 / 955	49.2 / 37.7	1250 / 960
			Front Opt. Dual Drive Tire / Rear	in mm	55.4 / 37.5	1405 / 955	60.7 / 37.7	1540 / 960
	34	Ground Clearance	Center of Wheelbase	in mm	6.28	160	7.04	175
Under Mast			in mm	5.3	135	6	150	
35	Brakes	Service	Foot / Hydraulic					
		Parking	Hand / Hydraulic					
Powertrain	36	Battery	V	12				
	37	Engine	Type	Kohler Diesel				
	38		No. of Cylinders / Displacement	4 Cyl / 2.5L				
	39		Rated Output (SAE gross)	HP @ rpm kW @ rpm	62 @ 2600	46 @ 2600	62 @ 2600	46 @ 2600
	40		Maximum Torque (SAE)	ft-lb @ rpm N-m @ rpm	207 @ 1500	280 @ 1500	207 @ 1500	280 @ 1500
	41	Transmission	Type	Powershift				
	42		Number of Speeds Forward / Reverse	1 / 1				
43	Auxiliary Function	Relief Pressure	psi bar	2600	179	3100	214	

C-5 Series Pneumatic

Specifications

Mast Charts

C5 1050-40/50 and C5 1055-50

TL TRUCKERS MAST (2-STAGE)

10	Lift Height	in mm	68	1725	76	1930	80	2030	82	2080	112	2840
	Free Lift Height	in mm	5.8	145	5.8	145	5.8	145	5.8	145	5.8	145
13	Max. Height > 2° Tilt	in mm	na	na	na	na	na	na	na	na	na	na
16	Mast Collapsed Height*	in mm	57	1450	61	1550	63	1605	64	1630	79	2010
17	Mast Extended Ht. (36" LBR)	in mm	105	2670	113	2875	117	2975	119	3025	149	3785
	Mast Extended Ht. (48" LBR)	in mm	117	2975	125	3175	129	3280	131	3330	161	4090

*Any collapsed height > 63" (1600 mm) even without LBR could hit the ceiling of a 106" (2692 mm) internal clearance trailer.

C5 1050-40/50 and C5 1055-50

TL (2-STAGE)

10	Lift Height	in mm	126	3200	138	3505	150	3810	155	3935	159	4035	171	4340	183	4645
	Free Lift Height	in mm	5.8	145	5.8	145	5.8	145	5.8	145	5.8	145	5.8	145	5.8	145
13	Max. Height > 2° Tilt	in mm	78	1980	78	1980	78	1980	78	1980	78	1980	78	1980	78	1980
16	Mast Collapsed Height	in mm	86	2185	92	2340	98	2490	104	2645	110	2795	116	2950	122	3100
17	Mast Extended Ht. (36" LBR)	in mm	163	4145	175	4445	187	4750	192	4880	196	4980	208	5285	220	5590
	Mast Extended Ht. (48" LBR)	in mm	175	4445	187	4750	199	5055	204	5185	208	5285	220	5590	232	5895

C5 1050-40/50 and C5 1055-50

TF (2-STAGE WITH FREE LIFT)

10	Lift Height	in mm	114	2895	126	3200	138	3505	150	3810	162	4110	174	4415	184	4670	196	4975
	Free Lift Height (36" LBR)	in mm	43	1090	49	1240	55	1395	61	1545	67	1700	73	1850	79	2005	85	2155
	Free Lift Height (48" LBR)	in mm	31	785	37	935	43	1090	49	1240	55	1395	61	1545	67	1700	73	1850
13	Max. Height > 2° Tilt	in mm	61	1545	97	2460	97	2460	97	2460	85	2155	91	2310	97	2460	103	2615
16	Mast Collapsed Height	in mm	80	2035	86	2185	92	2340	98	2490	104	2645	110	2795	116	2950	122	3100
17	Mast Extended Ht. (36" LBR)	in mm	151	3840	163	4145	175	4445	187	4750	199	5055	211	5360	221	5615	233	5920
	Mast Extended Ht. (48" LBR)	in mm	163	4145	175	4445	187	4750	199	5055	211	5360	223	5665	233	5920	245	6225

C5 1050-40/50 and C5 1055-50

TT (3-STAGE)

10	Lift Height	in mm	188	4775	206	5230	216	5485	231	5865	246	6245	258	6550	276	7010
	Free Lift Height (36" LBR)	in mm	49	1240	55	1395	61	1545	67	1700	73	1850	79	2005	85	2155
	Free Lift Height (48" LBR)	in mm	37	935	43	1090	49	1240	55	1395	61	1545	67	1700	73	1850
13	Max. Height > 2° Tilt	in mm	95	2410	95	2410	95	2410	91	2310	97	2460	103	2615	109	2765
16	Mast Collapsed Height	in mm	86	2185	92	2340	98	2490	104	2645	110	2795	116	2950	122	3100
17	Mast Extended Ht. (36" LBR)	in mm	225	5715	243	6175	253	6430	268	6810	283	7190	295	7495	313	7955
	Mast Extended Ht. (48" LBR)	in mm	237	6020	255	6480	265	6735	280	7115	295	7495	307	7800	325	8255

C5 1050-40/50 and C5 1055-50

QUAD (4-STAGE)

10	Lift Height	in mm	240	6095	258	6550	276	7010	294	7465
	Free Lift Height (36" LBR)	in mm	49	1240	55	1395	61	1545	67	1700
	Free Lift Height (48" LBR)	in mm	37	935	43	1090	49	1240	55	1395
13	Max. Height > 2° Tilt	in mm	70	1775	76	1930	82	2080	88	2235
16	Mast Collapsed Height	in mm	86	2185	92	2340	98	2490	104	2645
17	Mast Extended Ht. (36" LBR)	in mm	277	7040	295	7495	313	7955	331	8410
	Mast Extended Ht. (48" LBR)	in mm	289	7345	307	7800	325	8255	343	8715

C5 1050-60

TL TRUCKERS MAST (2-STAGE)

10	Lift Height	in mm	60	1520	68	1725	72	1825	100	2540
	Free Lift Height	in mm	5.8	145	5.8	145	5.8	145	5.8	145
13	Max. Height > 2° Tilt	in mm	na	na	na	na	na	na	na	na
16	Mast Collapsed Height	in mm	57	1450	61	1550	63	1605	77	1960
17	Mast Extended Ht. (36" LBR)	in mm	97	2465	105	2670	109	2770	137	3480
	Mast Extended Ht. (48" LBR)	in mm	109	2770	117	2975	121	3075	149	3785

C5 1050-60

TL (2-STAGE)

10	Lift Height	in mm	118	2995	130	3300	142	3605	150	3810	159	4035	171	4340	183	4645
	Free Lift Height	in mm	5.8	145	5.8	145	5.8	145	5.8	145	5.8	145	5.8	145	5.8	145
13	Max. Height > 2° Tilt	in mm	78	1980	78	1980	78	1980	78	1980	78	1980	78	1980	78	1980
16	Mast Collapsed Height	in mm	86	2185	92	2340	98	2490	104	2645	110	2795	116	2950	122	3100
17	Mast Extended Ht. (36" LBR)	in mm	155	3940	167	4245	179	4550	187	4750	196	4980	208	5285	220	5590
	Mast Extended Ht. (48" LBR)	in mm	167	4245	179	4550	191	4855	199	5055	208	5285	220	5590	232	5895

C-5 Series Pneumatic

Specifications

Mast Charts (Continued)

C5 1050-60

TF (2-STAGE WITH FREE LIFT)

10	Lift Height	in mm	108	2740	120	3045	132	3350	143	3630	155	3935	167	4240	177	4495
	Free Lift Height (36" LBR)	in mm	44	1115	50	1270	56	1420	62	1570	68	1725	74	1875	80	2030
	Free Lift Height (48" LBR)	in mm	32	810	38	965	44	1115	50	1270	56	1420	62	1570	68	1725
13	Max. Height > 2° Tilt	in mm	57	1445	93	2360	93	2360	93	2360	81	2055	87	2205	93	2360
16	Mast Collapsed Height	in mm	80	2035	86	2185	92	2340	98	2490	104	2645	110	2795	116	2950
17	Mast Extended Ht. (36" LBR)	in mm	145	3685	157	3990	169	4295	180	4575	192	4880	204	5185	214	5440
	Mast Extended Ht. (48" LBR)	in mm	157	3990	169	4295	181	4600	192	4880	204	5185	216	5490	226	5745

C5 1050-60

TT (3-STAGE)

10	Lift Height	in mm	180	4570	198	5025	208	5280	223	5660	238	6045	250	6350
	Free Lift Height (36" LBR)	in mm	49	1240	55	1395	61	1545	67	1700	73	1850	79	2005
	Free Lift Height (48" LBR)	in mm	37	935	43	1090	49	1240	55	1395	61	1545	67	1700
13	Max. Height > 2° Tilt	in mm	91	2310	91	2310	91	2310	87	2205	93	2360	99	2510
16	Mast Collapsed Height	in mm	86	2185	92	2340	98	2490	104	2645	110	2795	116	2950
17	Mast Extended Ht. (36" LBR)	in mm	217	5515	235	5970	245	6225	260	6605	275	6985	287	7290
	Mast Extended Ht. (48" LBR)	in mm	229	5820	247	6275	257	6530	272	6910	287	7290	299	7595

C5 1050-60

QUAD (4-STAGE)

10	Lift Height	in mm	240	6095	258	6550	276	7010	294	7465
	Free Lift Height (36" LBR)	in mm	49	1240	55	1395	61	1545	67	1700
	Free Lift Height (48" LBR)	in mm	37	935	43	1090	49	1240	55	1395
13	Max. Height > 2° Tilt	in mm	70	1775	76	1930	82	2080	88	2235
16	Mast Collapsed Height	in mm	86	2185	92	2340	98	2490	104	2645
17	Mast Extended Ht. (36" LBR)	in mm	277	7040	295	7495	313	7955	331	8410
	Mast Extended Ht. (48" LBR)	in mm	289	7345	307	7800	325	8255	343	8715

C5 1050-65 and C5 1055-65

TL TRUCKERS MAST (2-STAGE)

10	Lift Height	in mm	57	1445	65	1650	69	1750	97	2460
	Free Lift Height	in mm	5.8	145	5.8	145	5.8	145	5.8	145
13	Max. Height > 2° Tilt	in mm	na	na	na	na	na	na	na	na
16	Mast Collapsed Height	in mm	57	1450	61	1550	63	1605	77	1960
17	Mast Extended Ht. (36" LBR)	in mm	94	2390	102	2595	106	2695	134	3405
	Mast Extended Ht. (48" LBR)	in mm	106	2695	114	2900	118	3000	146	3710

C5 1050-65 and C5 1055-65

TL (2-STAGE)

10	Lift Height	in mm	115	2920	126	3200	139	3530	150	3810	159	4035	171	4340	183	4645
	Free Lift Height	in mm	5.8	145	5.8	145	5.8	145	5.8	145	5.8	145	5.8	145	5.8	145
13	Max. Height > 2° Tilt	in mm	78	1980	78	1980	78	1980	78	1980	78	1980	78	1980	78	1980
16	Mast Collapsed Height	in mm	86	2185	92	2340	98	2490	104	2645	110	2795	116	2950	122	3100
17	Mast Extended Ht. (36" LBR)	in mm	152	3865	163	4145	176	4475	187	4750	196	4980	208	5285	220	5590
	Mast Extended Ht. (48" LBR)	in mm	164	4170	175	4445	188	4780	199	5055	208	5285	220	5590	232	5895

C5 1050-65 and C5 1055-65

TF (2-STAGE WITH FREE LIFT)

10	Lift Height	in mm	105	2665	117	2970	129	3275	141	3580	153	3885	165	4190	175	4445
	Free Lift Height (36" LBR)	in mm	43	1090	49	1240	55	1395	61	1545	67	1700	73	1850	79	2005
	Free Lift Height (48" LBR)	in mm	31	785	37	935	43	1090	49	1240	55	1395	61	1545	67	1700
13	Max. Height > 2° Tilt	in mm	57	1445	93	2360	93	2360	93	2360	81	2055	87	2205	93	2360
16	Mast Collapsed Height	in mm	80	2035	86	2185	92	2340	98	2490	104	2645	110	2795	116	2950
17	Mast Extended Ht. (36" LBR)	in mm	142	3610	154	3915	166	4220	178	4525	190	4830	202	5135	212	5385
	Mast Extended Ht. (48" LBR)	in mm	154	3915	166	4220	178	4525	190	4830	202	5135	214	5440	224	5690

C5 1050-65 and C5 1055-65

TT (3-STAGE)

10	Lift Height	in mm	171	4340	189	4800	199	5050	214	5435	229	5815	241	6120
	Free Lift Height (36" LBR)	in mm	49	1245	56	1400	61	1550	67	1705	73	1855	79	2010
	Free Lift Height (48" LBR)	in mm	37	935	43	1090	49	1240	55	1395	61	1545	67	1700
13	Max. Height > 2° Tilt	in mm	91	2310	91	2310	91	2310	87	2205	93	2360	99	2510
16	Mast Collapsed Height	in mm	86	2185	92	2340	98	2490	104	2645	110	2795	116	2950
17	Mast Extended Ht. (36" LBR)	in mm	208	2285	226	5740	236	5995	251	6375	266	6650	278	7065
	Mast Extended Ht. (48" LBR)	in mm	220	5590	238	6050	248	6300	263	6685	278	7065	290	7370

C-5 Series Pneumatic

Technical Information

Standard Features

1. Crown industrial 2.4L LPG engine or Kohler 2.5L diesel compliant to current EPA standards (50 states)
2. High visibility orange seat belt
3. Hydrodynamic transaxle
4. Industrial dual core radiator
5. On-Demand Cooling® (diesel)
6. Turbocharger intercooler (diesel)
7. Crown's Access 1 2 3® Comprehensive Control System
8. Intrinsic Stability System®
 - Greater mass and low center of gravity
 - Tilt interlock
 - Tilt speed control
 - Stalled engine braking and steering
 - Hill hold
9. Top speed limiter
10. Corrosion resistant chain with high performance chain lube
11. Fold down LP bottle bracket
12. Three pedal control with separate inching/brake
13. Operator compartment design features
 - Low cowl for fork and floor visibility
 - Wide placed overhead guard uprights reduce visual interference
 - Isomounted overhead guard reduces vibration
 - Crown FlexSeat™ with hip restraint and anti-cinch seat belt (fabric or vinyl)
 - 13" steering wheel
 - Infinitely adjustable steering wheel column
 - Nylon covered control handles with tactile feedback
 - Natural position for forward/reverse selector
 - Rubber floor mat/rubber covered pedals
 - Mud scraper and step plate
14. Operator entry/exit
 - Extra wide step
 - Large entry/exit window
 - Overhead guard post for easy hand hold
 - Contoured seat deck
 - Compact tilt steering wheel and column
 - Large uncluttered floorboard
15. 48" (1220 mm) load backrest
16. 42" (1065 mm) forks
17. 44" (1120 mm) wide fork carriage with upper and lower thrust rollers
18. High visibility mast with in-line hose routing
19. Hour meter/event memory
20. No tool lift out floor boards
21. Three spool valve
22. O-ring face seal hydraulic fittings
23. Color-coded wiring
24. 12-volt alternator
25. Solid pneumatic tires
26. Crown Power Brakes
27. Rigid mounted heavy duty steer axle with grease zerks
28. Single element air cleaner
29. Severe duty battery
30. Fuel level indicator
31. Air filter restriction indicator
32. Tow pin
33. Horn
34. Radiator grill
35. Integrated 15.3 gallon diesel fuel tank (diesel only)

Optional Equipment

1. Seatbelt interlock with orange seat belt
2. On-Demand Cooling LPG
3. TL - Truckers mast (2-stage)
4. TL mast (2-stage)
5. TF mast (2-stage mast with free lift)
6. Quad mast (4-stage)
7. Polished and full taper forks (32, 36, 39, 40, 43, 31, 45, 48, 54, 60, and 72") (810, 915, 990, 1015, 1100, 1145, 1220, 1370, 1525, and 1830 mm)
8. Quick disconnect hydraulic connections
9. Attachment pressure regulator and gauge
10. Tilt option
11. Load backrest heights (36", 42", 48" and 60") (915, 1065, 1220 and 1525 mm)
12. Accessory hydraulics and attachments
13. Work lights (Halogen or LED)
14. Strobe light (Halogen or LED)
15. Back-up and brake lights
16. Turn signals
17. Smart travel alarm (Reverse)
18. Keyless on/off switch
19. Fixed LP bottle bracket
20. Rear post handle with horn button
21. Suspension seat (fabric or vinyl)
22. Grammer MSG 65 suspension seat (fabric or vinyl)
23. Grammer MSG 75 suspension seat (fabric or vinyl)

24. Work Assist® Accessories
 - Pad clip and hook
 - Accessory clamp
 - Terminal mounting
 - Fire extinguisher
 - Operator fan
 - Mirrors
 - Cup holder
 - Shrink wrap holder
 - Storage net or pocket behind seat
 - Storage bin
 - Pencil holder
25. Two pedal control with combination inching/brake
26. Radiator screen
27. Air intake pre-cleaner
28. Belly pan
29. Engine block heater
30. Positive/Negative accessory cable
31. 10" Steering wheel with spinning knob
32. 13" Steering wheel with spinning knob
33. InfoLink® Ready
34. Counterweight grill
35. Mirrors (plastic or glass)
36. 53" (1345 mm) wide carriage
37. LPS UL rating LPG North America spark proof classification
38. DS UL rating Diesel North America spark proof classification
39. Wide tread drive tires
40. Dual drive tires
41. Air filled tires
42. Front fender debris guards (carriage and load protection)
43. Crown D4 Armrest

Drivability

The C-5 Series benefits from design and engineering excellence. Numerous features improve operator comfort and productivity.

First, a wide entry step greets the operator and leads to the V-contoured engine cover that allows the operator to easily glide into the truck's seat. The curved posts of the overhead guard open up the entry/exit window and provide a comfortable grip location for a variety of operator heights. Further facilitating entry/exit is a spring-loaded, tilt steering column that easily moves up and away. The spacious floor board is uncluttered and includes a webbed floor mat that insulates the operator from vibration and heat. Additional operator comfort is achieved through reduced inching and brake pedal efforts along with a lower pedal height off the floor.

Crown's Intrinsic Stability System achieves improved operator confidence through a proactive approach to safety and stability. Integrated into the truck's components and control system, Crown's Intrinsic Stability System includes the following features:

- Greater mass and low center of gravity
- Tilt interlock
- Tilt speed control
- Stalled engine braking and steering
- Hill hold

Improved visibility can reduce product and pallet damage. The C-5 features excellent visibility everywhere you look: a low cowl for fork and carriage visibility, a high visibility mast, a compact steering column, a sculpted floor-board design, an overhead guard top plate and bar configuration and a low LP bottle height.

The control handles are crafted into the compartment and designed to provide tactile feedback for easy selection. Actuation forces are minimal and responsive. The parking brake with tone alert enhances operator entry/exit and naturally encourages its use. A large convex horn button is housed in the center of the steering wheel. Isolation systems for the engine and the operator cell virtually eliminate all vibrations to the operator. Hot air is directed away from the operator by a large counterweight opening with a wedge deflector.

Powertrain

The C-5 Series offers 2 inline 4 cylinder engine options. The first being a 2.4 Liter Crown manufactured LPG and the second being a 2.5 Liter diesel manufactured by Kohler.

The heavy duty industrial engines include heat resistant cast iron block and head. The engine oil coolers reduce heat and engine oil break down allowing 1000 hour oil change intervals. A gear driven valve train eliminates timing belt replacements. Operator comfort is further increased through internal balancing shafts that reduce vibration.

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The Carraro TA135 single speed power shift transmission offers an optimized gear construction for low noise and vibrations and increased efficiency. The robust design of the Carraro transmission includes forged gears and drive shaft, ductile iron axle, differential support housings and high temperature seals and o-rings, all contributing to increased life and durability.

The C-5 transmission offers three key features: Hill Hold, Trans Hold and Inversion control. Hill Hold will prevent roll back of the truck on a ramp. Hill Hold activates when the truck senses truck movement in the opposite direction of the travel direction that is selected by the operator. The Trans Hold feature will hold the truck from moving until the operator depresses the accelerator. With Trans Hold off, the truck begins to move when the operator selects travel direction and releases his foot from the brake.

Inversion Control is a feature that helps extend transmission and tire life by not allowing high speed direction changes. All of these features are adjustable and can be turned on and off through the Access 1 2 3 display.

There are two performance modes available, Economy and Productivity. In addition, top speeds can be limited to meet application requirements. These performance modes can be set via password through the Access 1 2 3 display module.

Cooling

A standard industrial dual core radiator offers separate cooling for the engine and transmission and is isolated from the truck, separating it from impact and improving radiator life. The industrial dual core radiator feature offers large spacing between cooling fins for reduced clogging. Air flow is maximized by a ten-blade fan that increases radiator performance and efficiency. The full fan shroud surrounds the radiator core surface. Its two-piece design aids in serviceability and is sealed to prevent air flow from bypassing the radiator core. Air flow is further maximized by the custom venturi shroud design that directs air over the entire surface of the radiator.

Crown's On-Demand Cooling System, optional for LPG and standard for diesel, delivers precise cooling and radiator clearing for economical savings and uptime in harsh environment applications. Precise cooling is achieved through an independent radiator fan that automatically adjusts its speed to manage engine and transmission temperatures. The independent fan also allows for optimal radiator clearing by reversing its direction at engine start.

Crown Power Brake

The Crown Power Brake is a unique hydraulic powered, full circle brake with few parts and larger friction areas that contribute to longer brake life. This design reduces operator pedal effort, improves brake responsiveness and features direct and easy access to the friction pad, which reduces downtime for brake maintenance. The parking brake is an integral part of the service brake and is activated by a one-touch push button located on the cowl to the right of the steer wheel column. A tone alert reminder is standard.

Hydraulics

The C-5 Series' premium hydraulic function control valve provides a precise metering of lift, tilt and accessory functions, without sacrificing operator comfort. The hollow steel tube lever design with tactile controls improves productivity and comfort.

Crown's lift/tilt interlock system provides extended forward tilt at low fork heights and reduced forward tilt at elevated heights for improved truck stability. The interlock system also inhibits accidental hydraulic functions when the operator is out of the seat. The tilt compensator maintains proper tilt speed control under all load conditions.

The modular design of the control valves allows for easy addition of accessory functions. Maximum lowering speed is limited by a pressure compensating flow control valve and velocity fuses. Integrated hydraulic cylinder cushions soften mast staging. All lift cylinder rams are plated and when the forks are lowered, retract into the hydraulic oil for additional corrosion protection.

The steel oil reservoir is integral to the frame, aiding in the dissipation of hydraulic oil heat. This clean, leak-free design includes a suction strainer with separate, easily accessible fill port and dipstick with a dual filtered breather. Hydraulic oil is returned through an environmentally friendly cartridge filter, which is easily serviced.

A 2-stage filtration system on the breather/dipstick offers superior protection from contamination to the hydraulic oil and from oil misting, which could create a dirty residue on the inside of the engine compartment.

The steering and power brake systems are also hydraulic powered, assisting in the reduction of operator fatigue and improved productivity.

Crown Manufactured Mast Assembly

The heavy-duty mast of the C-5 Series is engineered to provide smooth, reliable operation without compromising strength or quality. The large, rugged mast trunnions are mounted on the drive axle. Securing the mast are extra heavy tilt cylinders with self-aligning bushings. Crown's high visibility mast features a nested-rail design with lift cylinders positioned behind the rails. In-line hose routing also reduces visual interference. Large hydraulic hose pulleys and hose placement are engineered to reduce hose wear and increase hose life. Large lift chains are used for long reliable service life. Class II and III fork carriages are available. Masts are available in TL, TF, TT, and Quad.

Steering

A fully hydrostatic steering system with equal area and double-acting cylinder provides an equally responsive steering rate both ways (4.8 turns lock to lock). The rugged axle frame, forged spindle and connecting links eliminate the need for adjustment. A two-piece spindle and kingpin with tapered roller bearings improves life and serviceability. Spherical bearings with straight pins in the connecting links

eliminate any play in the linkage. All bearing locations are sealed to exclude contaminants and are equipped with lubrication fittings for ease of service.

Electrical System

The C-5 Series comes with a standard Severe Duty wet cell battery that provides 510 cold cranking amps for LPG (800 cold cranking amps for diesel) and a 2 year full replacement warranty.

Exclusive on-board information and diagnostics system includes fully integrated Access 1 2 3 Comprehensive Control System with CAN Bus communication. Features include:

- Engine diagnostics
- Truck level diagnostics
- Component analyzer
- Password protection
- Speed control features
- Performance modes
- Operator PIN codes

Crown display is fully integrated giving the operator and service technician real time information and messaging for event codes, fuel level, truck hours or real time speed. The alpha-numeric display serves as the communication nerve center with the following indicator lights:

- Alternator/Battery
- Malfunction
- Seat belt
- Park brake status
- Low oil pressure
- High transmission temperature
- Engine coolant temperature
- Multi-stage fuel level lights

All wire harnesses are wrapped with corrugated sleeving and are fully sealed with ultrasonically welded connections for improved reliability and durability. All electrical connectors are sealed to IP67.

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Technical Information

Warning Device Options

Audible or Visual Alerts

Safety considerations and dangers associated with audible travel alarms and lights include:

- Multiple alarms and/or lights can cause confusion.
- Workers ignore the alarms and/or lights after day-in and day-out exposure.
- Operator may transfer the responsibility for "looking out" to the pedestrians.
- Annoys operators and pedestrians.

Hard Cabin

Factory installed standard cab features include:

- Polycarbonate lower door panels
- Removable doors
- 12-volt power supply
- Heater
- Dome light
- Door locks
- Front and rear wiper/washer
- Rear window defrost
- Work Assist rail

Does not increase OVHG height.

Soft Cabin

Standard soft cab features include:

- Safety glass windshield with wiper/washer
- Plexiglass top
- Soft-sided doors with zipper Open/closed/roll up
- Soft rear zipper window, rolls up

Other Options Available

Contact factory for additional options.

Dimensions and performance data given may vary due to manufacturing tolerances. Performance is based on an average size vehicle and is affected by weight, condition of vehicle, how it is equipped and the conditions of the operating area. Products and specifications are subject to change without notice.



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You can count on Crown to build lift trucks designed for safe operation, but that's only part of the safety equation. Crown encourages safe operating practices through ongoing operator training, safety-focused supervision, maintenance and a safe working environment. Go to crown.com and view our safety section to learn more.

Because Crown is continually improving its products, specifications are subject to change without notice.

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