




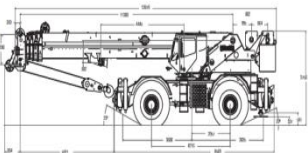

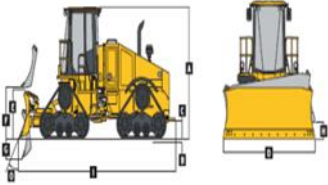
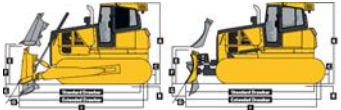


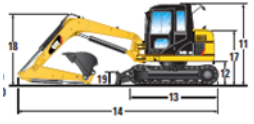
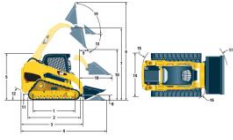
Appendix X.



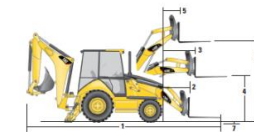
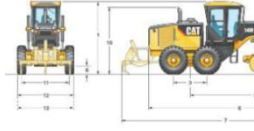
Typical Construction Vehicles and Equipment



Crawler Cranes/Drills	Height (Ft)	Track Length (Ft)	Track Width (Ft)	Operating Weight * (tons)	Std. Conf. Weight (tons)	Width of Track Shoe (Ft)	Length of track on ground (Ft)	Ground Pressure (PSI)	Ground Pressure (PSF)	GP Based Boom Length
 <p>Manitowoc 999</p>	16.3'	28.2'	23.2'		263.2	3.94'	24.67'	18.8	2707	210
 <p>Manitowoc 2250</p>	12'	30.75'	26'		342	3.94'	27.4'	22	3168	210
 <p>Liebherr 1400</p>	15.75'	34.1'	29.5'		432	3.92'	30.6'	25	3600	253 & 57




Rough Terrain Cranes	Height (Ft)	Length (Ft)	Width (Ft)	Operating Weight *(tons)	Size of Rubber tires	Lbs. on Front / Rear Axle	Distance Between Axles	Ground Pressure Loaded (PSI)	Ground Pressure Loaded (PSF)
 <p>Linkbelt 8090</p>	12' 6"	47' 10"	10' 9"	57.98	29.5 x 25	51795 / 64158	14' 2"	46	6580
 <p>Grove 880</p>	12' 4"	49' 11"	10' 11.5"	54.08	29.5 x 25	53888 / 54270	13' 10"	47.58	6851.16
 <p>Grove 890</p>	13' 4"	47' 4"	10' 11"	58.04	29.5 x 25	58428 / 57645	13' 10"	56.19	8091.35


Dozers	Height (Ft)	Length (Ft)	Width (Ft)	Operating Weight *(lbs)	Width of Track Shoe	Length of track on ground	Ground Contact Area (Shoe) (Square Inches)	Ground Pressure (PSI)	Ground Pressure (PSF)
 CAT D-6T XL	10' 4"	17' 6"	8'	46,690	22"	9' 4"	4766	9.80	1410.69
 John Deere 764 HSD	10' 3"	22' 10"	11'	34,000	24"	4' 5" per (4 Tracks)	5088	6.68	962.26
 John Deere 850K WLT Dozer	10' 5"	18' 10"	13' 2"	44,858	30"	10' 9"	7760.89	5.78	832.32



Excavators/ Loaders	Height (Ft)	Length (Ft)	Width (Ft)	Operating Weight *(lbs)	Width of Track Shoe	Length of track/ tires on ground	Ground Contact Area (Shoe) (Square Inches)	Ground Pressure (PSI)	Ground Pressure (PSF)
CAT 330 L Excavator	12' 0"	37' 7"	11' 0"	77,400	2' 6"	16' "6	10,200	7.59	1092.71
 CAT 308D CR Mini Excavator	8' 6"	19' 1"	7' 7"	17,305	1' 6"	9' 7"	4,140	4.18	601.91
CAT 345 L Excavator	12' 3"	38' 6"	9' 10"	105,000	2' 6"	17' 6"	8,730	12.03	1731.96
 CAT 299C Compact Track Loader	13' 6"	12' 7"	7' 2.5"	10,106	1' 5.5"	5' 10"	2,504	4.30	619.20

Loaders/Graders/Telehandlers	Height (Ft)	Length (Ft)	Width (Ft)	Operating Weight* (lbs)	Size of Rubber tires	Ground Pressure Loaded (PSI)	Ground Pressure Loaded (PSF)	No. of Axles	Distance Between Axles
 <p>CAT 966H Loader</p>	19' 2"	29' 2"	10' 10"	52,254	26.5-R25			2	11' 4"
 <p>John Deere 744K</p>	11' 6"	29' 7"	10' 9"	53,674	26.5-R25			2	11' 4"
 <p>CAT 430E Tractor Backhoe</p>	9' 3"	24' 6"	10' 10"	16,066	Front (12.5/80-18), Rear (19.5L-R24)			2	7' 3"
 <p>14M Motor Grader</p>	11' 7"	30' 10.5"	9' 1"	Total - 46,796 Front- 12,541 Rear - 34,255	16-23 - (16 PR) (G-2)			3	Front to Mid Tandem 12' 6" / Tandem Spc. 65"

Loaders/Graders/Telehandlers	Height (Ft)	Length (Ft)	Width (Ft)	Operating Weight* (lbs)	Size of Rubber tires	Ground Pressure Loaded (PSI)	Ground Pressure Loaded (PSF)	No. of Axles	Distance Between Axles
 <p>16M Motor Grader</p>	12' 2"	38.3"	10' 2"	Total - 59,435 Front - 16,345 Rear - 43,090	18-24- (12 PR) (G-2)	42.37	6101.1	3	Front to Mid Tandem 12' 6" / Tandem Spc. 134.1"
TH 580 Telehandler	8' 6"	20' 9"	8' 2"	30,100	14-24-16 PR	51.9	7,473.10	2	10' 8"
 <p>TL 1255 Telehandler</p>	8' 5"	20' 9"	8' 5"	35,400	14 x 24-12 PR	46.58	6,707.37	2	12'

Tractor/Trailers w/concrete pole	Height (Ft)	Length (Ft)	Width (Ft)	Operating Weight* (lbs)	Size of Rubber tires	Distance Between Axles
 <p>Case 9380</p>	N/A	N/A	N/A	31,580	20.8 \R-42 (4 Tires)	12'
 <p>Kubota Tractor M135X</p>	8' 11"	14' 3.7"	7' 5"	14,405	Front 14.9 R24 Rear 18.4 R38	8' 11"
 <p>Semi Truck & Trailer W/ Concrete Pole</p>	15' 3"	164'	8'	92,172	11R 24-5 (22 Tires)	1st to 2nd Axle 16' 2nd to 3rd Axle 5' 3rd to 4th Axle 6' 6" 4th to 5th Axle 68' 5th to 6th Axle 55"

Water/Concrete Trucks/Rollers	Height (Ft)	Length (Ft)	Width (Ft)	Operating Weight (lbs) *	Size of Rubber tires	Lbs. on Front & Rear Axles respec.	Ground Pressure Loaded (PSI)	Ground Pressure Loaded (PSF)	Distance Between Axles
4000 Gal Water Truck	10' 10"	31' 6"	8'	26,000 Empty/ 59,366 Loaded	Front 11 R 22.5 / Rear 385/65 R22.5 (8 Tires)	3 Axles	34.7 / 79.1	4,996.8 / 11,398	1st to 2nd Axle 15' 2nd to 3rd 53"
Grease Truck				51,000	Front 385/65 R22.5 / Rear 1100 R22.5 (8 Tires)	3 Axles			1st to 2nd Axle, 15' 4" 2nd to 3rd 54"
Large Mechanic Truck				26,000	Front 385/65 R22.5 / Rear 1100 R22.5 (4Tires)	2 Axles			15'
Small Mechanic Truck				18,000	225/70/R19.5	2 Axles			158"
Dump Truck	10'	27' 6"	8'	58000	Front 385/65 R22.5 / Rear 295/75 R22 (8 Tires)	18,000, 40,000lbs			1st to 2nd Axle 15' 3" 2nd to 3rd 54.5"
 Drill Texoma 800-95 (14 Tires)	NA	40' 6"	9'	83162	Front 425/65 R22.5 / Rear 11R 22.5	20,000 / 21,054lbs			1st to 2nd Axle 14' 6" 2nd to 3rd 55" 3rd to 4th 55"

Water/Concrete Trucks/Rollers	Height (Ft)	Length (Ft)	Width (Ft)	Operating Weight (lbs) *	Size of Rubber tires	Lbs. on Front & Rear Axles respec.	Ground Pressure Loaded (PSI)	Ground Pressure Loaded (PSF)	Distance Between Axles
 CAT CS56 Roller	10'	19' 3"	7' 6"	25164	Drum Diameter 60" Rear Tire Size 23.1" x 26"	2 Axles			9' 5"
 Standard Mixer truck (10 Tires)	12' 7.5"	34'	8'	69,000 lbs (28400 lbs empty).	Front - 425/65R- 22.5 Rear - 11R- 22.5	19,000 / 50,000 lbs	Front 5.47 Back 25.25	Front 787 Back 3636	1st to 2nd 16' 2nd to 3rd 55"