

F120-100
Nominal Rating: 60 Tons Maximum Lifting Capacity
Rev 2.1
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IMPERIAL UNITS				METRIC UNITS			
Reach (Ft)	Boom Angle (Deg)	Main Line Onboard Load (lbs)	Main Line Offboard Load (lbs)	Reach (m)	Boom Angle (Deg)	Main Line Onboard Load (Kgs)	Main Line Offboard Load (lbs)
12.2	82.3	120,000	120,000	3.73	82.3	54,431	54,431
15.0	80.7	120,000	120,000	4.57	80.7	54,431	54,431
20.0	77.8	120,000	100,407	6.10	77.8	54,431	45,544
25.0	74.9	120,000	82,666	7.62	74.9	54,431	37,497
30.0	71.9	106,092	70,551	9.14	71.9	48,123	32,001
35.0	68.9	92,829	61,731	10.67	68.9	42,106	28,001
40.0	65.8	82,712	55,004	12.19	65.8	37,518	24,949
45.0	62.6	74,717	49,687	13.72	62.6	33,891	22,538
50.0	59.4	68,217	45,364	15.24	59.4	30,942	20,577
55.0	56.0	62,803	41,764	16.76	56.0	28,487	18,944
60.0	52.5	58,201	38,704	18.29	52.5	26,400	17,556
65.0	48.9	54,212	36,051	19.81	48.9	24,590	16,352
70.0	45.0	50,687	33,707	21.34	45.0	22,991	15,289
75.0	40.9	47,507	31,592	22.86	40.9	21,549	14,330
80.0	36.4	44,564	29,635	24.38	36.4	20,214	13,442
85.0	31.3	41,741	27,758	25.91	31.3	18,933	12,591
90.0	25.4	38,870	25,849	27.43	25.4	17,631	11,725
95.0	17.9	35,577	23,659	28.96	17.9	16,137	10,731
100.0	3.1	29,123	19,367	30.48	3.1	13,210	8,785
100.2	0.0	27,558	18,326	30.55	0.0	12,500	8,313
API Maximum Overturning Moment (ft-lbs.)				8,664,840	API Maximum Overturning Moment (tonne-meter)		1,197.96
Corresponding Axial Force (lbs.)				172,571	Corresponding Axial Force (kgs.)		78,277
Maximum Axial Force (lbs.)				329,089	Maximum Axial Force (kgs.)		149,272
Corresponding Moment (ft-lbs.)				6,741,986	Corresponding Moment (tonne-meter)		932.11
Basic Crane Weight (lbs.)				89,089	Basic Crane Weight (kgs.)		40,410
Center of Gravity (ft)				20	Center of Gravity (m)		6.07

The published load chart generated in accordance with Legacy Dynamic Method per API 2C 7th Edition. The load ratings may vary due to the number of part line, line pull, and environmental conditions, etc. The information provided in this document is intended for informational purposes only and is subject to change without notice.