



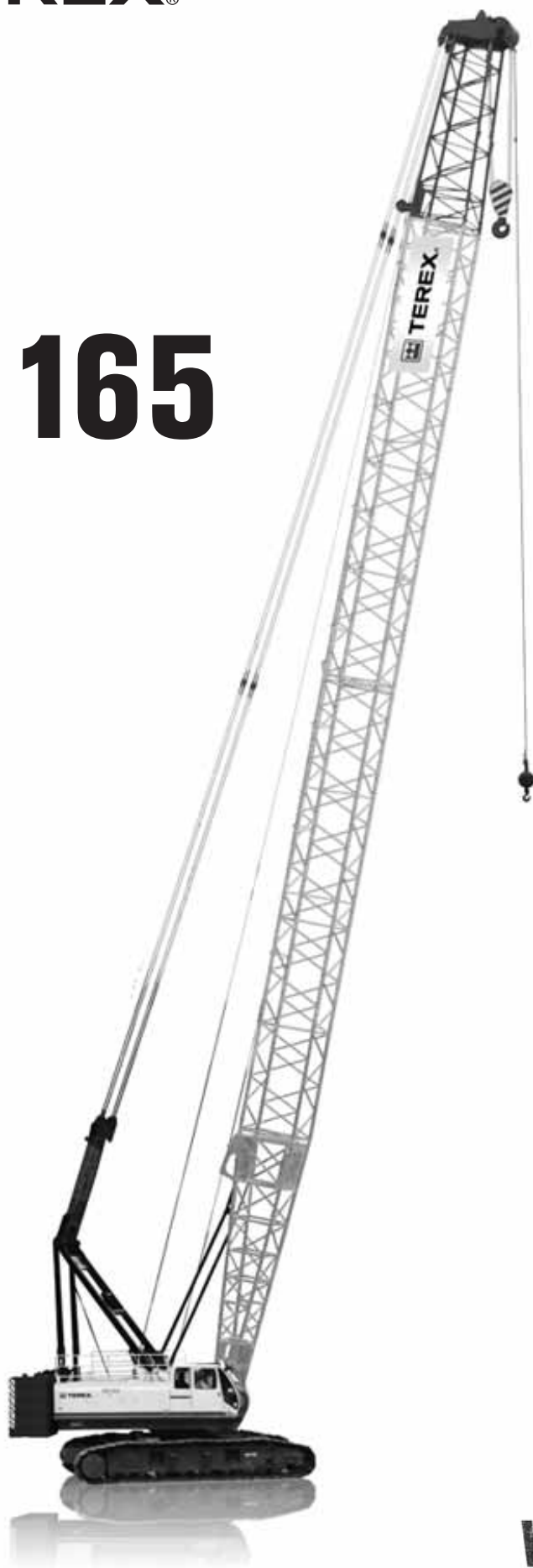
HC 165

165 tons capacity

Crawler Crane

DATASHEET IMPERIAL

HC 165



WORKS FOR YOU.™



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HIGHLIGHTS

HC 165

- ▶ 165 tons maximum lifting capacity
- ▶ 270 ft maximum length of main boom
- ▶ 80 ft maximum jib
- ▶ 320 ft maximum boom and jib length
- ▶ 310 horsepower Cummins engine
- ▶ Optional boom tips
- ▶ Optional 3rd drum configurations
- ▶ Increased capacity at working radii with optional counterweight
- ▶ Proven American 77" boom and 16HL jib
- ▶ Fully self-erectable
- ▶ Power up / power down and freefall on main, auxiliary and optional third drum
- ▶ Quiet operator's cab with spacious width
- ▶ 360° viewing range
- ▶ Two speed travel
- ▶ Powerful, high speed hoist drums
- ▶ **The ultimate crane!**



KEY

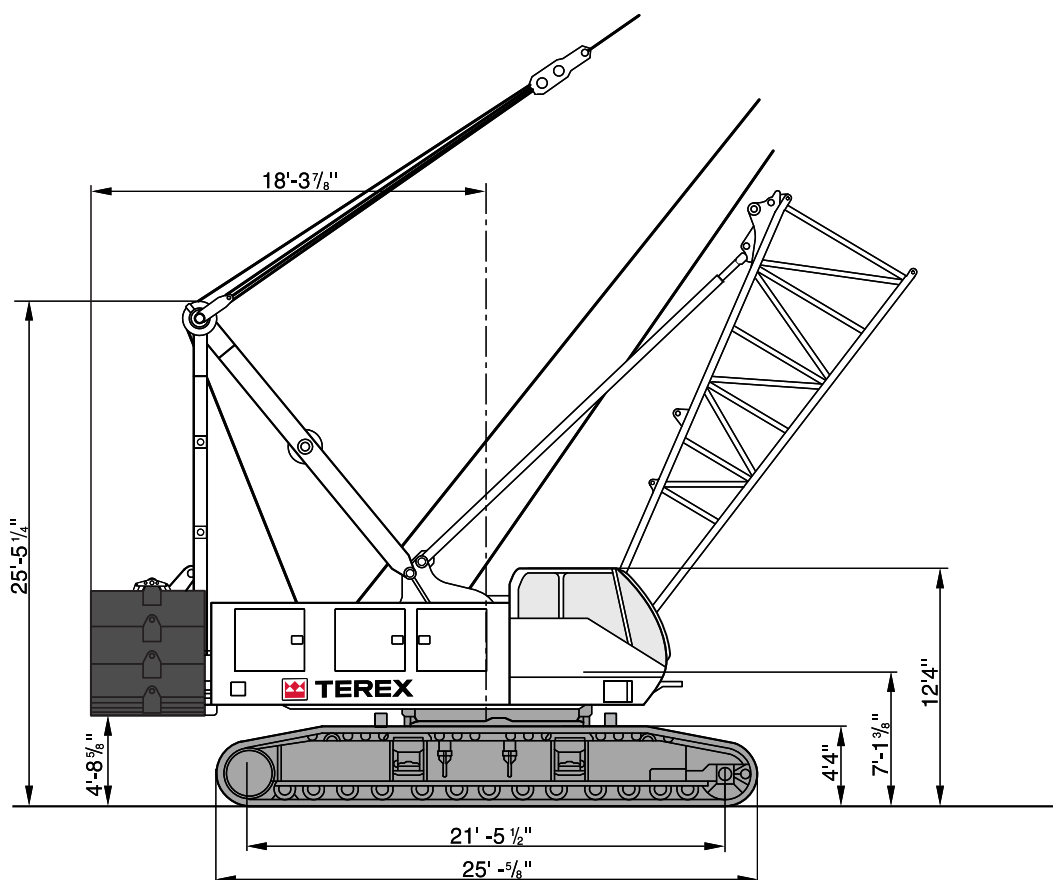


Counterweight



DIMENSIONS

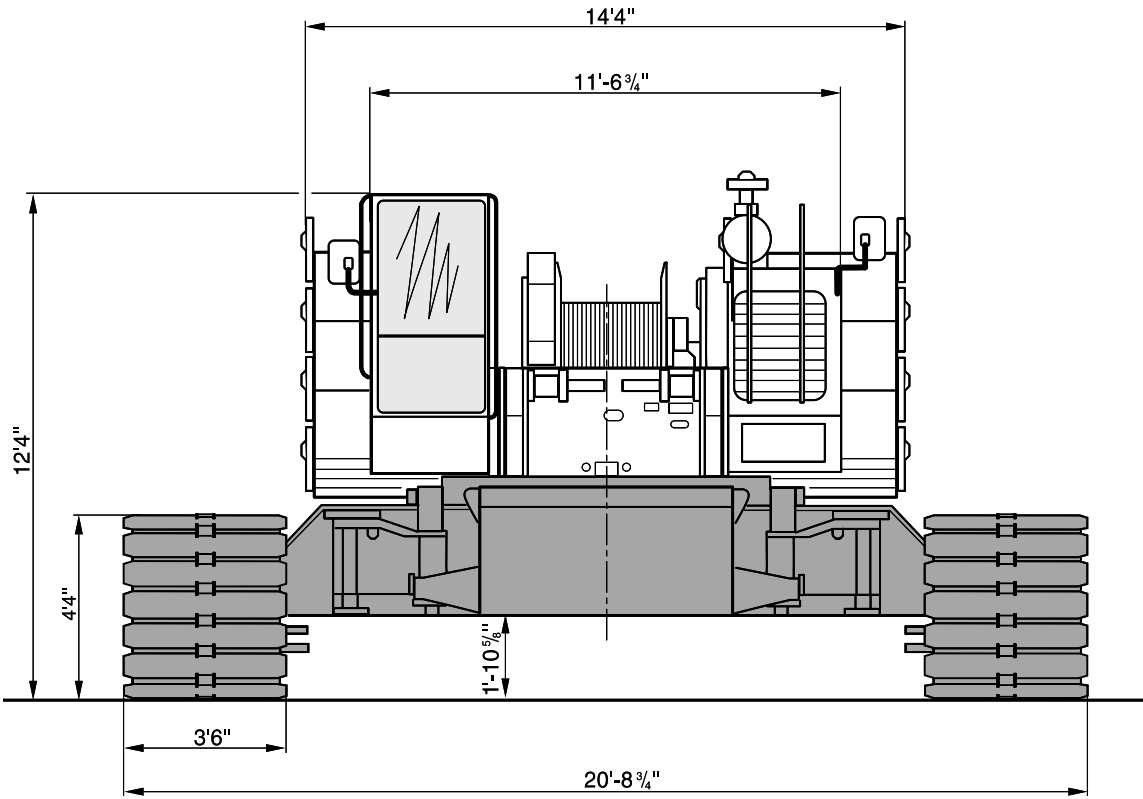
HC 165





DIMENSIONS

HC 165

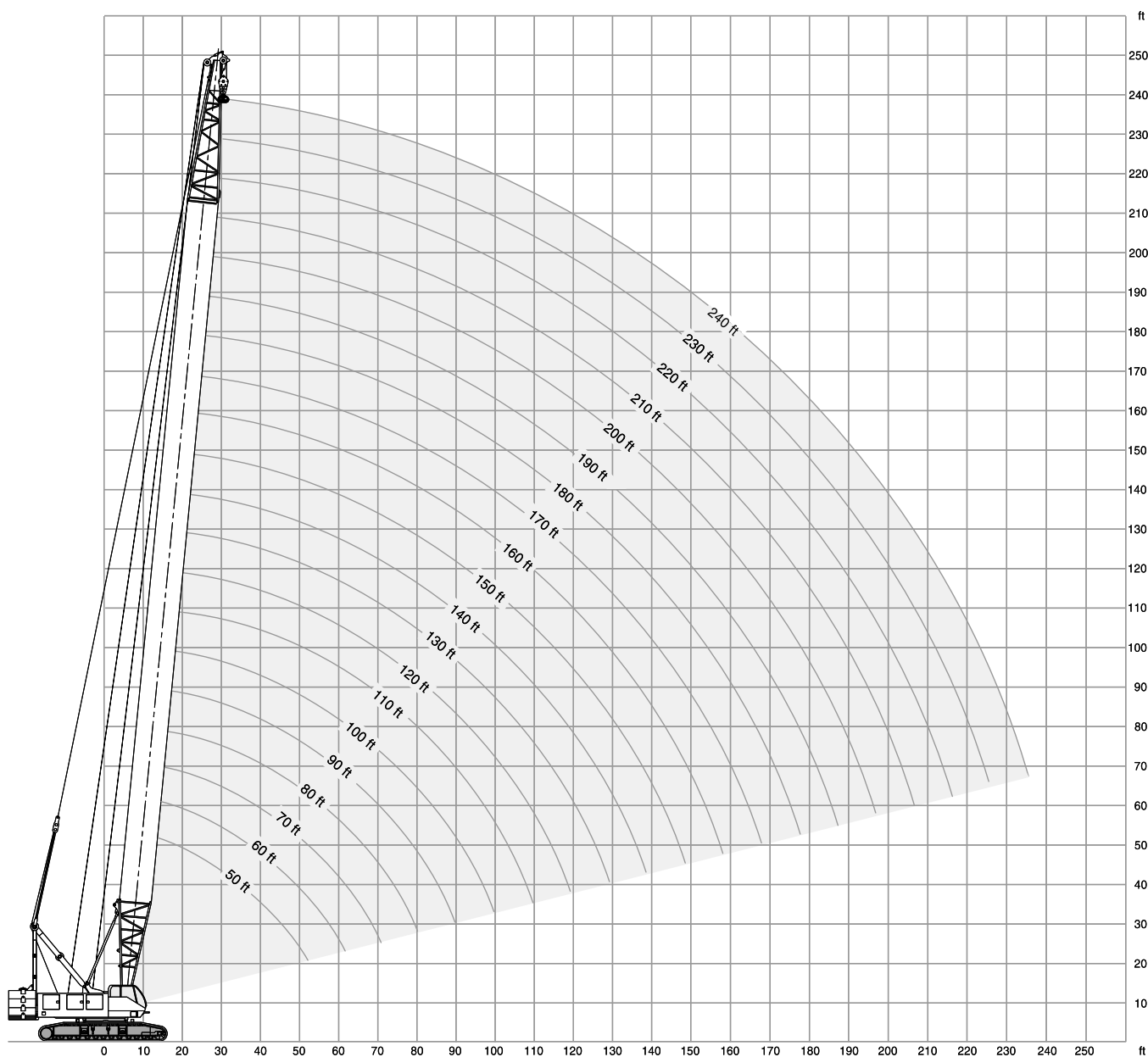




RANGE DIAGRAM

HC 165

77SI Hammerhead Tip Boom





LOAD CHART

HC 165

With 77SI Hammerhead Tip Boom and 102,000 Pound Upper Counterweight

102,000 lb				360°	ANSI B 30.5			
50' Boom length					100' Boom length			
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)		Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)
14	81.9	330,000 *	58		20	82.5	271,420	107
15	80.8	330,000 *	57		25	79.6	184,070	106
20	75.0	270,720	56		30	76.7	138,240	105
25	68.9	183,870	55		35	73.8	110,090	104
30	62.7	138,290	52		40	70.8	90,860	102
35	55.9	110,230	49		50	64.6	66,650	98
40	48.5	91,140	45		60	58.0	51,790	93
50	29.5	66,900	32		70	50.9	41,780	85
60' Boom length					80	43.0	34,740	76
15	82.3	330,000 *	68		90	33.5	29,290	63
20	77.5	271,110	67		100	20.3	25,000	42
25	72.6	184,120	65		110' Boom length			
30	67.5	138,460	63		21	82.7	247,920	117
35	62.2	110,390	61		25	80.6	183,920	117
40	56.6	91,250	58		30	77.9	138,050	116
50	44.0	67,040	49		35	75.3	109,880	114
60	26.7	52,190	35		40	72.6	90,620	113
70' Boom length					50	67.0	66,400	109
16	82.6	330,000 *	78		60	61.2	51,520	104
20	79.3	271,310	77		70	55.0	41,510	98
25	75.1	184,230	76		80	48.3	34,500	90
30	70.8	138,520	74		90	40.8	29,050	80
35	66.5	110,420	72		100	31.8	24,780	66
40	61.9	91,260	70		110	19.3	21,340	44
50	52.0	67,060	63		120' Boom length			
60	40.5	52,210	53		22	82.8	228,210	127
70	24.6	42,200	37		25	81.4	183,750	127
80' Boom length					30	78.9	137,830	126
17	82.8	330,000 *	87		35	76.5	109,650	125
20	80.6	271,390	87		40	74.1	90,370	123
25	77.0	184,210	86		50	69.0	66,150	120
30	73.3	138,450	85		60	63.8	51,250	116
35	69.6	110,320	83		70	58.3	41,230	110
40	65.7	91,140	81		80	52.5	34,250	103
50	57.5	66,930	75		90	46.2	28,800	94
60	48.4	52,090	68		100	39.0	24,530	83
70	37.7	42,090	57		110	30.4	21,110	68
80	22.9	34,950	39		120	18.4	18,270	45
90' Boom length					130' Boom length			
18	82.9	330,000 *	97		23	82.9	211,000	137
20	81.7	271,410	97		25	82.0	183,560	137
25	78.5	184,130	96		30	79.8	137,600	136
30	75.2	138,330	95		35	77.6	109,400	135
35	71.9	110,190	94		40	75.3	90,090	134
40	68.5	90,980	92		50	70.7	65,860	131
50	61.5	66,770	87		60	66.0	50,950	127
60	53.9	51,910	81		70	61.0	40,910	122
70	45.4	41,920	72		80	55.8	33,950	115
80	35.4	34,840	60		90	50.3	28,500	108
90	21.5	29,360	40		100	44.2	24,240	98
					110	37.4	20,820	87
					120	29.2	17,990	71
					130	17.6	15,630	47



LOAD CHART

HC 165**With 77SI Hammerhead Tip Boom and 102,000 Pound Upper Counterweight**

102,000 lb				360°	ANSI B 30.5			
140' Boom length					170' Boom length			
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)		Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)
25	82.6	183,360	147		28	82.9	152,290	177
30	80.5	137,350	146		30	82.2	136,630	177
35	78.5	109,150	145		35	80.5	108,370	176
40	76.4	89,800	144		40	78.8	88,960	175
50	72.1	65,570	141		50	75.4	64,690	173
60	67.8	50,640	138		60	71.8	49,710	170
70	63.3	40,590	133		70	68.3	40,000	166
80	58.6	33,650	127		80	64.6	32,750	162
90	53.6	28,200	121		90	60.8	27,280	156
100	48.3	23,940	112		100	56.8	23,020	150
110	42.5	20,510	102		110	52.7	19,580	143
120	35.9	17,700	90		120	48.3	16,770	135
130	28.0	15,350	73		130	43.6	14,430	125
140	17.0	13,350	48		140	38.4	12,430	113
					150	32.5	10,730	99
					160	25.4	9,240	80
					170	15.3	7,940	52
150' Boom length					180' Boom length			
26	82.7	171,730	157		29	83.0	143,810	187
30	81.2	137,140	156		30	82.6	136,360	187
35	79.2	108,910	155		35	81.0	108,080	186
40	77.3	89,550	154		40	79.4	88,640	185
50	73.3	65,320	152		50	76.2	64,380	183
60	69.3	50,370	148		60	72.9	49,370	180
70	65.2	40,320	144		70	69.5	39,660	177
80	60.9	33,390	139		80	66.1	32,400	173
90	56.4	27,940	133		90	62.5	26,940	168
100	51.7	23,670	126		100	58.9	22,660	162
110	46.6	20,260	117		110	55.1	19,230	156
120	41.0	17,450	106		120	51.1	16,420	148
130	34.7	15,100	93		130	46.8	14,070	139
140	27.1	13,100	76		140	42.3	12,080	129
150	16.4	11,380	50		150	37.2	10,370	117
					160	31.5	8,880	102
					170	24.6	7,590	82
					180	14.9	6,430	54
160' Boom length					190' Boom length			
27	82.8	161,670	167		31	82.7	129,300	197
30	81.7	136,880	166		35	81.5	107,800	196
35	79.9	108,640	166		40	80.0	88,320	195
40	78.1	89,260	165		50	76.9	64,050	193
50	74.4	65,010	162		60	73.8	49,030	191
60	70.7	50,040	159		70	70.7	39,340	187
70	66.8	40,320	155		80	67.4	32,070	183
80	62.9	33,070	150		90	64.1	26,590	179
90	58.8	27,610	145		100	60.7	22,310	174
100	54.5	23,350	138		110	57.2	18,890	168
110	49.9	19,920	130		120	53.5	16,070	161
120	45.0	17,110	121		130	49.6	13,720	153
130	39.6	14,760	110		140	45.5	11,720	143
140	33.5	12,770	96		150	41.1	10,010	133
150	26.2	11,060	78		160	36.2	8,530	120
160	15.8	9,570	51		170	30.6	7,220	104
					180	23.9	6,080	85
					190	14.4	5,070	55



LOAD CHART

HC 165**With 77SI Hammerhead Tip Boom and 102,000 Pound Upper Counterweight**

102,000 lb				360°	ANSI B 30.5			
200' Boom length					220' Boom length			
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)		Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)
32	82.8	122,830	207		34	82.9	102,110 *	226
35	81.9	107,530	206		35	82.7	101,710 *	226
40	80.5	88,030	205		40	81.4	87,400	226
50	77.6	63,760	203		50	78.7	63,100	224
60	74.6	48,720	201		60	76.1	48,020	222
70	71.7	39,050	198		70	73.4	38,370	219
80	68.6	31,760	194		80	70.6	31,070	216
90	65.5	26,280	190		90	67.8	25,580	212
100	62.3	22,010	185		100	65.0	21,290	207
110	59.0	18,570	179		110	62.1	17,840	202
120	55.6	15,750	173		120	59.1	15,030	197
130	52.0	13,400	166		130	56.0	12,670	190
140	48.3	11,410	157		140	52.8	10,670	183
150	44.3	9,690	147		150	49.4	8,960	175
160	40.0	8,210	136		160	45.9	7,470	166
170	35.2	6,910	123		170	42.1	6,160	155
180	29.8	5,770	107		180	38.0	5,020	143
190	23.3	4,750	87		190	33.5	4,010	129
200	14.1	3,850	56		200	28.4	3,100	112

210' Boom length					230' Boom length			
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)		Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)
33	82.9	112,450 *	216		35	83.0	96,610 *	236
35	82.3	107,240	216		40	81.7	87,080	236
40	80.9	87,720	215		50	79.2	62,770	234
50	78.2	63,430	214		60	76.7	47,670	232
60	75.4	48,360	211		70	74.1	38,020	229
70	72.6	38,700	208		80	71.5	30,720	226
80	69.7	31,420	205		90	68.9	25,220	223
90	66.7	25,930	201		100	66.2	20,920	218
100	63.7	21,650	196		110	63.4	17,480	214
110	60.6	18,210	191		120	60.6	14,650	208
120	57.5	15,390	185		130	57.7	12,300	202
130	54.1	13,030	178		140	54.7	10,290	196
140	50.7	11,040	170		150	51.5	8,580	188
150	47.0	9,320	162		160	48.3	7,090	179
160	43.2	7,830	151		170	44.8	5,780	170
170	39.0	6,540	140		180	41.1	4,640	159
180	34.3	5,390	126		190	37.2	3,620	147
190	29.1	4,370	110					
200	22.7	3,460	89					

240' Boom length				
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)	
37	82.8	84,390 *	246	
40	82.1	84,000 *	246	
50	79.7	62,440	244	
60	77.2	47,310	242	
70	74.8	37,680	240	
80	72.3	30,360	237	
90	69.8	24,860	233	
100	67.2	20,560	229	
110	64.6	17,110	225	
120	61.9	14,280	220	
130	59.2	11,920	214	
140	56.3	9,920	208	
150	53.4	8,200	201	
160	50.4	6,710	193	
170	47.2	5,410	184	
180	43.8	4,260	174	
190	40.2	3,240	163	



LOAD CHART

HC 165**With 77SI Hammerhead Tip Boom and 116,400 Pound Counterweight**

108,400 lb + 8,000 lb carbody counterweight				360°	ANSI B 30.5
50' Boom length				100' Boom length	
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)	Radius (Feet)	From Boom Pt. to Ground (Feet)
14	81.9	330,000 *	58	20	107
15	80.8	330,000 *	57	25	106
20	75.0	285,140	56	30	105
25	68.9	193,760	55	35	104
30	62.7	145,760	52	40	102
35	55.9	116,200	49	50	98
40	48.5	96,080	45	60	93
50	29.5	70,550	32	70	85
60' Boom length				80	76
15	82.3	330,000 *	68	90	63
20	77.5	285,570	67	100	42
25	72.6	194,080	65	110' Boom length	
30	67.5	145,990	63	21	117
35	62.2	116,410	61	25	117
40	56.6	96,260	58	30	116
50	44.0	70,760	49	35	114
60	26.7	55,120	35	40	113
70' Boom length				50	109
16	82.6	330,000 *	78	60	104
20	79.3	285,800	77	70	98
25	75.1	194,230	76	80	90
30	70.8	146,080	74	90	80
35	66.5	116,490	72	100	66
40	61.9	96,310	70	110	44
50	52.0	70,820	63	120' Boom length	
60	40.5	55,190	53	22	127
70	24.6	44,650	37	25	127
80' Boom length				30	126
17	82.8	330,000 *	87	35	125
20	80.6	285,890	87	40	123
25	77.0	194,240	86	50	120
30	73.3	146,050	85	60	116
35	69.6	116,420	83	70	110
40	65.7	96,230	81	80	103
50	57.5	70,730	75	90	94
60	48.4	55,100	68	100	83
70	37.7	44,570	57	110	68
80	22.9	37,050	39	120	45
90' Boom length				130' Boom length	
18	82.9	330,000 *	97	23	137
20	81.7	285,910	97	25	137
25	78.5	194,190	96	30	136
30	75.2	145,960	95	35	135
35	71.9	116,320	94	40	134
40	68.5	96,090	92	50	131
50	61.5	70,590	87	60	127
60	53.9	54,950	81	70	122
70	45.4	44,430	72	80	115
80	35.4	36,960	60	90	108
90	21.5	31,200	40	100	98
				110	87
				120	71
				130	47

**TEREX®**



LOAD CHART

HC 165**With 77SI Hammerhead Tip Boom and 116,400 Pound Counterweight**

108,400 lb + 8,000 lb carbody counterweight				360°	ANSI B 30.5
140' Boom length				170' Boom length	
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)	Radius (Feet)	From Boom Pt. to Ground (Feet)
25	82.6	193,500	147	28	177
30	80.5	145,050	146	30	177
35	78.5	115,340	145	35	176
40	76.4	94,980	144	40	175
50	72.1	69,460	141	50	173
60	67.8	53,740	138	60	170
70	63.3	43,170	133	70	166
80	58.6	35,840	127	80	162
90	53.6	30,110	121	90	156
100	48.3	25,630	112	100	150
110	42.5	22,020	102	110	143
120	35.9	19,060	90	120	135
130	28.0	16,590	73	130	125
140	17.0	14,480	48	140	113
				150	99
				160	80
				170	52
150' Boom length				180' Boom length	
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)	Radius (Feet)	From Boom Pt. to Ground (Feet)
26	82.7	181,270	157	29	187
30	81.2	144,850	156	30	187
35	79.2	115,120	155	35	186
40	77.3	94,740	154	40	185
50	73.3	69,210	152	50	183
60	69.3	53,480	148	60	180
70	65.2	42,900	144	70	177
80	60.9	35,600	139	80	173
90	56.4	29,860	133	90	168
100	51.7	25,370	126	100	162
110	46.6	21,780	117	110	156
120	41.0	18,810	106	120	148
130	34.7	16,340	93	130	139
140	27.1	14,240	76	140	129
150	16.4	12,440	50	150	117
				160	102
				170	82
				180	54
160' Boom length				190' Boom length	
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)	Radius (Feet)	From Boom Pt. to Ground (Feet)
27	82.8	170,310	167	31	197
30	81.7	144,600	166	35	196
35	79.9	114,850	166	40	195
40	78.1	94,450	165	50	193
50	74.4	68,910	162	60	191
60	70.7	53,160	159	70	187
70	66.8	42,570	155	80	183
80	62.9	35,280	150	90	179
90	58.8	29,530	145	100	174
100	54.5	25,050	138	110	168
110	49.9	21,440	130	120	161
120	45.0	18,490	121	130	153
130	39.6	16,010	110	140	143
140	33.5	13,910	96	150	133
150	26.2	12,120	78	160	120
160	15.8	10,550	51	170	104
				180	85
				190	55



LOAD CHART

HC 165**With 77SI Hammerhead Tip Boom and 116,400 Pound Counterweight**

108,400 lb + 8,000 lb carbody counterweight				360°		ANSI B 30.5	
200' Boom length				220' Boom length			
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)	Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)
32	82.8	126,040 *	207	34	82.9	102,050 *	226
35	81.9	113,770	206	35	82.7	101,650 *	226
40	80.5	93,250	205	40	81.4	92,630	226
50	77.6	67,690	203	50	78.7	67,030	224
60	74.6	51,850	201	60	76.1	51,160	222
70	71.7	41,220	198	70	73.4	40,500	219
80	68.6	33,990	194	80	70.6	33,310	216
90	65.5	28,230	190	90	67.8	27,530	212
100	62.3	23,730	185	100	65.0	23,020	207
110	59.0	20,120	179	110	62.1	19,400	202
120	55.6	17,150	173	120	59.1	16,430	197
130	52.0	14,680	166	130	56.0	13,950	190
140	48.3	12,580	157	140	52.8	11,850	183
150	44.3	10,770	147	150	49.4	10,050	175
160	40.0	9,220	136	160	45.9	8,480	166
170	35.2	7,850	123	170	42.1	7,110	155
180	29.8	6,650	107	180	38.0	5,900	143
190	23.3	5,580	87	190	33.5	4,840	129
200	14.1	4,620	56	200	28.4	3,880	112
				210	22.2	3,020	91

210' Boom length				230' Boom length			
33	82.9	112,390 *	216	35	83.0	92,560 *	236
35	82.3	112,030 *	216	40	81.7	92,150 *	236
40	80.9	92,940	215	50	79.2	66,710	234
50	78.2	67,360	214	60	76.7	50,820	232
60	75.4	51,510	211	70	74.1	40,130	229
70	72.6	40,860	208	80	71.5	32,960	226
80	69.7	33,660	205	90	68.9	27,180	223
90	66.7	27,880	201	100	66.2	22,660	218
100	63.7	23,370	196	110	63.4	19,030	214
110	60.6	19,750	191	120	60.6	16,060	208
120	57.5	16,790	185	130	57.7	13,580	202
130	54.1	14,310	178	140	54.7	11,470	196
140	50.7	12,210	170	150	51.5	9,670	188
150	47.0	10,410	162	160	48.3	8,110	179
160	43.2	8,840	151	170	44.8	6,730	170
170	39.0	7,480	140	180	41.1	5,530	159
180	34.3	6,270	126	190	37.2	4,460	147
190	29.1	5,200	110	200	32.8	3,490	132
200	22.7	4,240	89				
210	13.7	3,390	57				

240' Boom length			
37	82.8	84,340 *	246
40	82.1	83,950 *	246
50	79.7	66,380	244
60	77.2	50,470	242
70	74.8	40,310	240
80	72.3	32,610	237
90	69.8	26,820	233
100	67.2	22,290	229
110	64.6	18,670	225
120	61.9	15,690	220
130	59.2	13,210	214
140	56.3	11,100	208
150	53.4	9,300	201
160	50.4	7,730	193
170	47.2	6,360	184
180	43.8	5,150	174
190	40.2	4,080	163
200	36.3	3,120	150

**TEREX®**



NOTES TO LIFTING CAPACITY

HC 165

Warning

This rating chart is invalid if the crane has been modified or altered by use of other than GENUINE AMERICAN PARTS as such modifications or alterations may affect its capacity or safe operation. See American Crane Corporation Service Bulliten #259.

Ratings in this chart are in POUNDS and do not exceed the percentage of tipping specified for this crane by ANSI B30.5. All ratings require that the crane be standing level on a firm uniformly supporting surface.

Do not lift loads in excess of those shown on this chart. Lifting loads in excess of those shown or operation not in accordance with good operating practice, including limitations shown on page 3499 of Operator's Manual, can cause tipping, structural damage or catastrophic failure.

Asterisk (*) areas on this chart indicate ratings which are limited by strength of material or factors other than stability (tipping).

„RADIUS IN FEET“ is the horizontal distance at ground level from the crane centerline of rotation to a vertical line through the center of gravity of the suspended load.

When using the main boom fall with jib in place, the main fall ratings must be reduced by the jib effective weight shown on the jib rating chart plus twice the weight of all suspended blocks, slings, rope, etc., at the jib fall. See Appendix A.

When using the main boom fall with boom tip extension in place, the main fall ratings must be reduced by the weight of the boom tip extension plus twice the weight of all suspended blocks, slings, rope, etc., at the boom tip extension fall. See Appendix A.

Blocks, slings, buckets and other load carrying devices are considered part of the load. The weight of standard hoisting ropes for the rating at a given radius has been calculated as part of the boom point load and need not be considered in determining net allowable loads. See Appendix A.

This chart was developed exclusively for use with a boom only. Under no circumstances are these ratings to be interpreted for use with a jib. Ratings shown on this chart make no allowance for such factors as out of plumb loads, wind, poor soil conditions, improper inflation of rubber tires and dynamic effects due to excessive operating speeds. The user (operator) must exercise judgement to make allowance for these conditions. See page 3499 of Operator's Manual for detailed information.

No account is taken of the wind force on the load. This effect, which can be substantial for loads with large surface areas, must be considered by the user. In any wind it is strongly recommended that taglines be used to control the load.

BOOM HOIST LINE is 14 parts of 7/8 inch diameter EIPS wire rope with a minimum breaking strength of 79,600 pound.

PENDANT SUSPENSION LINE is 4 parts of 1.375 inch diameter EEIPS wire rope with a minimum breaking strength of 211,000 pound.

MAIN LOAD LINE – 1.125 inch diameter EIPS wire rope with a minimum breaking strength of 130,000 pound.

ALTERNATE LOAD LINE (ROTATION RESISTANT) – 1.125 inch diameter BRIDON ENDURANCE DYFORM 34LR Grade 2160 wire rope with a minimum breaking strength of 167,200 pound.

ERECTION

Erection „OVER THE END“ is with the boom over the idler end with idler tumblers blocked (See operator's manual for blocking instructions). Erection „OVER THE SIDE“ is with the boom 90° to the sideframes and with the side frames extended. Blocks, slings and other load carrying devices must be on the ground during erection.

77SI HAMMERHEAD BOOM MAXIMUM BOOM & JIB SELF-ERECTION DATA				
	OVER THE END		OVER THE SIDE	
	BOOM LENGTH (FEET)	JIB LENGTH (FEET)	BOOM LENGTH (FEET)	JIB LENGTH (FEET)
#16HL JIB	240	0	220	0
	230	0	210	40
	220	80	200	80

LOAD HOISTING INFORMATION - 1.125 inch diameter EIPS wire rope			
MAXIMUM LIFTING CAPACITY - LBS.	MINIMUM PARTS OF LINE	MAXIMUM HOISTING DISTANCE - FEET	
		MAIN - (FRONT)	AUX. - (REAR)
330,000	9	145	145
297,120	8	164	164
259,980	7	187	187
222,840	6	218	218
185,700	5	262	262
148,560	4	328	328
111,420	3	437	437
74,280	2	656	656
37,140	1	1,312	1,312

LOAD HOISTING INFORMATION (ROTATION RESISTANT LOAD LINE) 1.125 inch diameter BRIDON ENDURANCE DYFORM 34LR Grade 2160 wire rope			
MAXIMUM LIFTING CAPACITY - LBS.	MINIMUM PARTS OF LINE	MAXIMUM HOISTING DISTANCE - FEET	
		MAIN - (FRONT)	AUX. - (REAR)
330,000	10	131	131
300,960	9	145	145
267,520	8	164	164
234,080	7	187	187
200,640	6	218	218
167,200	5	262	262
133,760	4	328	328
100,320	3	437	437
66,880	2	656	656
33,440	1	1,312	1,312

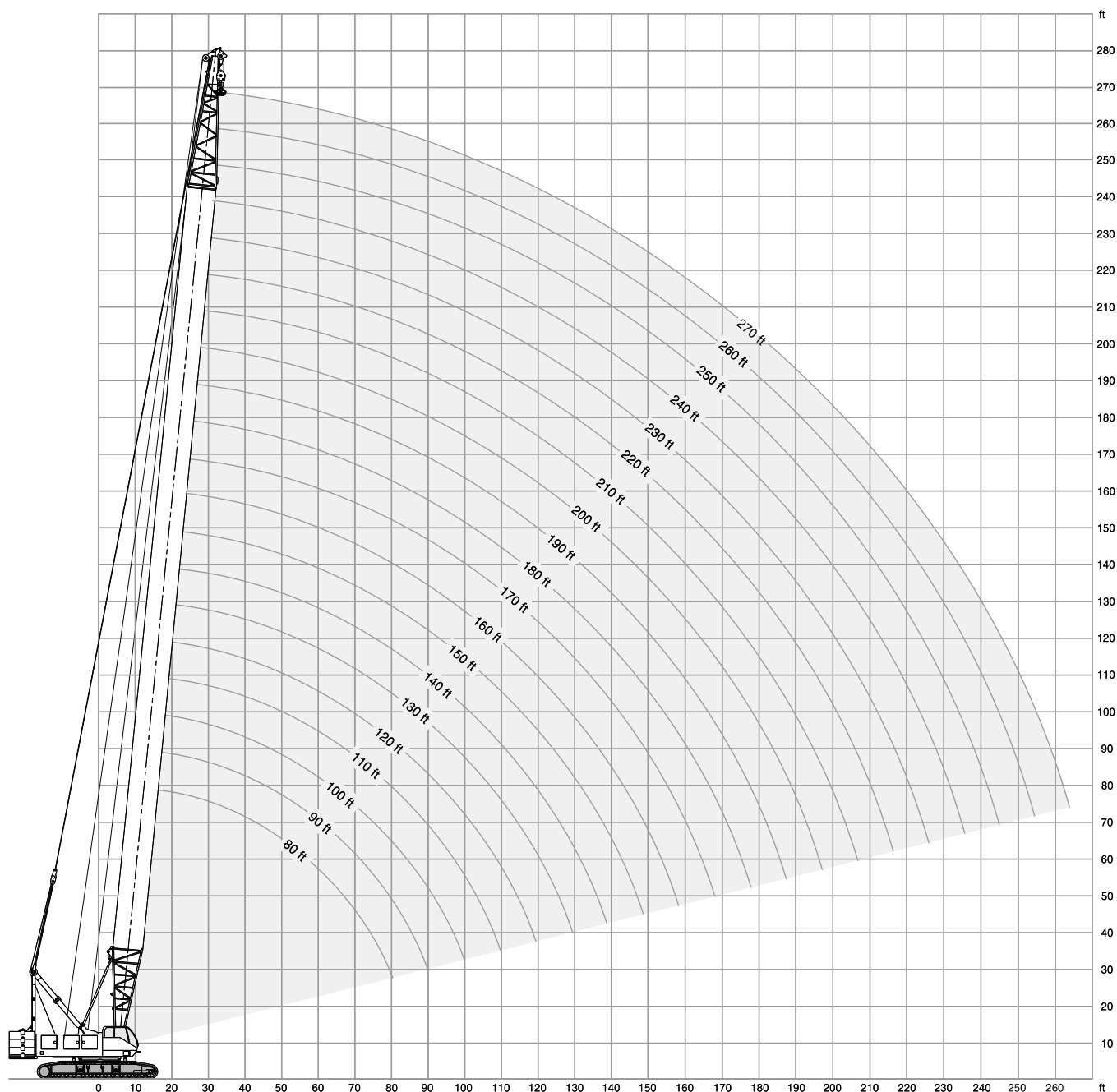
77SI HAMMERHEAD BOOM COMPOSITION CHART							
BOOM LENGTH (METERS)	BOOM LENGTH (FEET)	BOOM SECTIONS					
		9.1 M 30' 77SI INNER	3.0 M 10' 77S CENTER	6.1 M 20' 77S CENTER	15.2 M 50' 77S CENTER	5.9 M 19.5' 77HL OUTER	0 M 0' HAMMER HEAD
15.2 M	50	1	0	0	0	1	1
18.3 M	60	1	1	0	0	1	1
21.3 M	70	1	0	1	0	1	1
24.4 M	80	1	1	1	0	1	1
27.4 M	90	1	0	2	0	1	1
30.5 M	100	1	0	0	1	1	1
33.5 M	110	1	1	0	1	1	1
36.6 M	120	1	0	1	1	1	1
39.6 M	130	1	1	1	1	1	1
42.7 M	140	1	0	2	1	1	1
45.7 M	150	1	0	0	2	1	1
48.8 M	160	1	1	0	2	1	1
51.8 M	170	1	0	1	2	1	1
54.9 M	180	1	1	1	2	1	1
57.9 M	190	1	0	2	2	1	1
61.0 M	200	1	0	0	3	1	1
64.0 M	210	1	1	0	3	1	1
67.1 M	220	1	0	1	3	1	1
70.1 M	230	1	1	1	3	1	1
73.2 M	240	1	0	2	3	1	1



RANGE DIAGRAM

HC 165

77SI Offset Tip Boom



TEREX®



LOAD CHART

HC 165

With 77SI Offset Tip Boom and 102,000 Pound Upper Counterweight

102,000 lb				360°	ANSI B 30.5			
80' Boom length					120' Boom length			
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)		Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)
17	81.0	235,130 *	86		24	80.6	196,990	125
20	78.8	235,130 *	86		25	80.1	184,190	125
25	75.1	184,750	84		30	77.7	138,670	124
30	71.4	139,390	83		35	75.2	110,750	123
35	67.5	111,510	81		40	72.8	91,640	122
40	63.6	92,490	79		50	67.7	67,650	118
50	55.3	68,510	73		60	62.4	52,890	113
60	46.0	53,820	65		70	56.9	42,970	108
70	35.0	43,940	53		80	51.0	36,050	100
80	19.2	36,910	33		90	44.5	30,660	91
					100	37.2	26,460	80
					110	28.4	23,090	64
					120	15.6	20,330	39
90' Boom length					130' Boom length			
19	80.7	234,610 *	96		25	80.9	184,010	135
20	80.0	230,880 *	96		30	78.7	138,480	135
25	76.8	184,680	95		35	76.4	110,550	133
30	73.5	139,270	93		40	74.1	91,420	132
35	70.1	111,380	92		50	69.5	67,430	129
40	66.7	92,330	90		60	64.7	52,660	125
50	59.6	68,350	85		70	59.7	42,730	119
60	51.9	53,640	78		80	54.5	35,840	113
70	43.2	43,750	69		90	48.8	30,450	105
80	32.9	36,750	56		100	42.7	26,250	95
90	18.0	31,380	35		110	35.7	22,870	83
					120	27.3	20,100	67
					130	15.0	17,800	41
100' Boom length					140' Boom length			
21	80.5	221,940 *	106		27	80.7	162,360	145
25	78.1	184,560	105		30	79.5	138,200	145
30	75.2	139,120	104		35	77.4	110,270	144
35	72.2	111,220	102		40	75.3	91,110	143
40	69.2	92,150	101		50	71.0	67,120	139
50	62.9	68,150	96		60	66.6	52,340	136
60	56.2	53,430	90		70	62.1	42,400	131
70	49.0	43,530	83		80	57.3	35,540	125
80	40.9	36,570	73		90	52.3	30,140	118
90	31.2	31,180	59		100	47.0	25,930	109
100	17.1	26,980	37		110	41.1	22,560	99
					120	34.4	19,790	86
					130	26.2	17,480	69
					140	14.4	15,530	42
110' Boom length					150' Boom length			
22	80.8	213,950 *	116		28	81.0	153,400	155
25	79.2	184,380	115		30	80.2	137,920	155
30	76.6	138,910	114		35	78.2	109,970	154
35	73.9	110,990	113		40	76.3	90,810	153
40	71.1	91,900	111		50	72.3	66,810	150
50	65.5	67,910	107		60	68.3	52,020	146
60	59.7	53,160	102		70	64.1	42,070	142
70	53.4	43,260	95		80	59.7	35,220	137
80	46.6	36,310	87		90	55.2	29,820	130
90	38.9	30,930	76		100	50.4	25,610	123
100	29.7	26,720	62		110	45.3	22,230	114
110	16.3	23,360	38		120	39.6	19,470	103
					130	33.2	17,160	89
					140	25.3	15,200	71
					150	14.0	13,530	43



LOAD CHART

HC 165**With 77SI Offset Tip Boom and 102,000 Pound Upper Counterweight**

102,000 lb				360°	ANSI B 30.5			
160' Boom length					190' Boom length			
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)		Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)
30	80.8	137,620	165		35	80.7	108,760	195
35	79.0	109,670	164		40	79.2	89,520	194
40	77.2	90,480	163		50	76.1	65,520	192
50	73.4	66,480	160		60	73.0	50,660	189
60	69.7	51,680	157		70	69.8	40,670	185
70	65.8	41,720	153		80	66.6	33,900	181
80	61.8	34,880	148		90	63.2	28,490	177
90	57.7	29,490	142		100	59.8	24,280	171
100	53.3	25,270	135		110	56.3	20,880	165
110	48.7	21,890	127		120	52.5	18,110	158
120	43.8	19,120	118		130	48.6	15,790	150
130	38.3	16,810	106		140	44.5	13,830	140
140	32.1	14,840	92		150	40.0	12,150	129
150	24.5	13,180	74		160	35.0	10,690	116
160	13.5	11,720	44		170	29.4	9,410	100
					180	22.5	8,300	80
					190	12.4	7,330	48
170' Boom length					200' Boom length			
32	80.7	124,500	175		36	80.9	104,020	205
35	79.6	109,360	174		40	79.8	89,170	204
40	77.9	90,150	173		50	76.8	65,180	202
50	74.4	66,150	171		60	73.9	50,310	199
60	70.9	51,330	168		70	70.9	40,310	196
70	67.3	41,360	164		80	67.8	33,560	192
80	63.6	34,560	159		90	64.7	28,150	188
90	59.8	29,150	154		100	61.5	23,920	183
100	55.8	24,930	148		110	58.1	20,520	177
110	51.6	21,550	140		120	54.7	17,750	170
120	47.2	18,780	132		130	51.1	15,430	163
130	42.4	16,460	122		140	47.3	13,470	154
140	37.1	14,500	110		150	43.3	11,780	144
150	31.1	12,830	95		160	38.9	10,320	133
160	23.8	11,370	76		170	34.1	9,050	119
170	13.1	10,110	46		180	28.6	7,930	103
					190	21.9	6,940	82
					200	12.1	6,060	49
180' Boom length					210' Boom length			
33	80.9	119,010	185		38	80.8	95,740	214
35	80.2	109,080	184		40	80.3	88,820	214
40	78.6	89,860	184		50	77.5	64,820	212
50	75.3	65,860	181		60	74.7	49,940	210
60	72.0	51,030	178		70	71.8	40,390	207
70	68.6	41,040	175		80	68.9	33,190	203
80	65.2	34,260	170		90	65.9	27,770	199
90	61.6	28,850	165		100	62.9	23,540	194
100	57.9	24,630	160		110	59.8	20,160	189
110	54.1	21,250	153		120	56.6	17,370	182
120	50.0	18,470	145		130	53.3	15,050	175
130	45.8	16,160	136		140	49.8	13,090	167
140	41.1	14,190	126		150	46.1	11,400	158
150	36.0	12,510	113		160	42.2	9,940	148
160	30.2	11,060	98		170	38.0	8,660	136
170	23.1	9,800	78		180	33.3	7,530	122
180	12.7	8,690	47		190	27.9	6,540	105
					200	21.4	5,660	84
					210	11.8	4,880	50

**TEREX®**



LOAD CHART

HC 165**With 77SI Offset Tip Boom and 102,000 Pound Upper Counterweight**

102,000 lb				360°	ANSI B 30.5			
220' Boom length					250' Boom length			
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)		Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)
39	81.0	91,810	224		44	80.9	74,200 *	254
40	80.7	88,470	224		50	79.5	63,430	253
50	78.1	64,470	222		60	77.2	48,490	251
60	75.4	49,570	220		70	74.8	39,010	248
70	72.7	40,040	217		80	72.4	31,780	245
80	69.9	32,840	214		90	70.0	26,340	242
90	67.1	27,420	210		100	67.5	22,100	238
100	64.2	23,180	205		110	65.0	18,690	234
110	61.3	19,790	200		120	62.5	15,900	229
120	58.3	17,000	194		130	59.8	13,580	223
130	55.2	14,680	188		140	57.2	11,600	217
140	52.0	12,710	180		150	54.4	9,920	210
150	48.6	11,030	172		160	51.5	8,440	203
160	45.0	9,560	163		170	48.5	7,160	194
170	41.2	8,280	152		180	45.4	6,040	185
180	37.1	7,150	140		190	42.1	5,030	175
190	32.5	6,160	125		200	38.5	4,140	163
200	27.3	5,270	108		210	34.7	3,330	149
210	20.9	4,480	85		220	30.4	2,610	134
220	11.5	3,780	51					
230' Boom length					260' Boom length			
41	80.8	85,000	234		46	80.8	68,160 *	264
50	78.6	64,140	233		50	79.9	63,560	263
60	76.0	49,230	230		60	77.7	48,610	261
70	73.4	39,720	228		70	75.4	39,130	259
80	70.8	32,510	224		80	73.1	31,910	256
90	68.2	27,080	221		90	70.8	26,460	253
100	65.4	22,850	216		100	68.4	22,220	249
110	62.7	19,450	211		110	66.0	18,810	245
120	59.8	16,670	206		120	63.6	16,020	240
130	56.9	14,340	200		130	61.1	13,680	235
140	53.9	12,370	193		140	58.6	11,710	229
150	50.7	10,690	185		150	56.0	10,020	223
160	47.4	9,220	177		160	53.3	8,540	215
170	44.0	7,940	167		170	50.5	7,260	208
180	40.2	6,810	156		180	47.5	6,130	199
190	36.2	5,810	143		190	44.5	5,130	189
200	31.7	4,920	128		200	41.2	4,230	178
210	26.6	4,120	110		210	37.7	3,420	166
220	20.4	3,410	87		220	34.0	2,700	152
230	11.3	2,790	52					
240' Boom length					270' Boom length			
42	81.0	81,680	244		47	80.9	62,440 *	274
50	79.1	63,790	243		50	80.3	61,770 *	273
60	76.6	48,860	241		60	78.1	48,230	271
70	74.1	39,360	238		70	75.9	38,770	269
80	71.7	32,150	235		80	73.8	31,540	266
90	69.1	26,710	231		90	71.5	26,090	263
100	66.5	22,480	227		100	69.3	21,840	260
110	63.9	19,070	223		110	67.0	18,430	256
120	61.2	16,280	217		120	64.7	15,630	251
130	58.5	13,950	212		130	62.3	13,290	246
140	55.6	11,990	205		140	59.9	11,330	241
150	52.7	10,300	198		150	57.4	9,630	235
160	49.6	8,830	190		160	54.8	8,160	228
170	46.4	7,550	181		170	52.2	6,870	220
180	43.0	6,420	171		180	49.4	5,740	212
190	39.4	5,420	159		190	46.6	4,730	203
200	35.4	4,530	146		200	43.6	3,840	193
210	31.1	3,720	131		210	40.4	3,030	182
220	26.1	3,000	113					



LOAD CHART

HC 165

With 77SI Offset Tip Boom and 116,400 Pound Counterweight

108,400 lb + 8,000 lb carbody counterweight				360°		ANSI B 30.5	
80' Boom length				120' Boom length			
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)	Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)
17	81.0	235,130 *	86	24	80.6	201,030 *	125
20	78.8	235,130 *	86	25	80.1	194,570	125
25	75.1	195,140	84	30	77.7	146,580	124
30	71.4	147,300	83	35	75.2	117,140	123
35	67.5	117,910	81	40	72.8	97,000	122
40	63.6	97,850	79	50	67.7	71,700	118
50	55.3	72,560	73	60	62.4	56,150	113
60	46.0	57,080	65	70	56.9	45,700	108
70	35.0	46,660	53	80	51.0	38,390	100
80	19.1	39,250	33	90	44.5	32,720	91
				100	37.2	28,290	80
				110	28.4	24,740	64
				120	15.6	21,830	39
90' Boom length				130' Boom length			
19	80.7	234,610 *	96	25	80.9	192,950 *	135
20	80.0	230,880 *	96	30	78.7	146,390	135
25	76.8	195,060	95	35	76.4	116,940	133
30	73.5	147,180	93	40	74.1	96,780	132
35	70.1	117,770	92	50	69.5	71,480	129
40	66.7	97,690	90	60	64.7	55,920	125
50	59.6	72,410	85	70	59.7	45,460	119
60	51.9	56,900	78	80	54.5	38,180	113
70	43.2	46,470	69	90	48.8	32,500	105
80	32.9	39,100	56	100	42.7	28,080	95
90	18.0	33,430	35	110	35.7	24,520	83
				120	27.3	21,600	67
				130	15.0	19,170	41
100' Boom length				140' Boom length			
21	80.5	221,940 *	106	27	80.7	171,590	145
25	78.1	194,940	105	30	79.5	146,110	145
30	75.2	147,040	104	35	77.4	116,660	144
35	72.2	117,610	102	40	75.3	96,470	143
40	69.2	97,510	101	50	71.0	71,180	139
50	62.9	72,210	96	60	66.6	55,600	136
60	56.2	56,690	90	70	62.1	45,130	131
70	49.0	46,260	83	80	57.3	37,880	125
80	40.9	38,910	73	90	52.3	32,190	118
90	31.2	33,240	59	100	47.0	27,760	109
100	17.1	28,810	37	110	41.1	24,200	99
				120	34.4	21,290	86
				130	26.2	18,850	69
				140	14.4	16,800	42
110' Boom length				150' Boom length			
22	80.8	213,950 *	116	28	81.0	161,800	155
25	79.2	194,760	115	30	80.2	145,830	155
30	76.6	146,820	114	35	78.2	116,360	154
35	73.9	117,380	113	40	76.3	96,170	153
40	71.1	97,260	111	50	72.3	70,870	150
50	65.5	71,960	107	60	68.3	55,280	146
60	59.7	56,420	102	70	64.1	44,800	142
70	53.4	45,980	95	80	59.7	37,570	137
80	46.6	38,650	87	90	55.2	31,880	130
90	38.9	32,980	76	100	50.4	27,440	123
100	29.7	28,550	62	110	45.3	23,880	114
110	16.3	25,000	38	120	39.6	20,970	103
				130	33.2	18,530	89
				140	25.3	16,470	71
				150	14.0	14,710	43



**TEREX®**



LOAD CHART

HC 165**With 77SI Offset Tip Boom and 116,400 Pound Counterweight**

108,400 lb + 8,000 lb carbody counterweight				360°	ANSI B 30.5
160' Boom length				190' Boom length	
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)	Radius (Feet)	From Boom Pt. to Ground (Feet)
30	80.8	145,530	165	35	195
35	79.0	116,060	164	40	194
40	77.2	95,840	163	50	192
50	73.4	70,540	160	60	189
60	69.7	54,940	157	70	185
70	65.8	44,450	153	80	181
80	61.8	37,230	148	90	177
90	57.7	31,540	142	100	171
100	53.3	27,100	135	110	165
110	48.7	23,540	127	120	158
120	43.8	20,610	118	130	150
130	38.3	18,180	106	140	140
140	32.1	16,110	92	150	129
150	24.5	14,350	74	160	116
160	13.5	12,830	44	170	100
				180	80
				190	48
170' Boom length				200' Boom length	
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)	Radius (Feet)	From Boom Pt. to Ground (Feet)
32	80.7	131,730	175	36	205
35	79.6	115,750	174	40	204
40	77.9	95,510	173	50	202
50	74.4	70,210	171	60	199
60	70.9	54,590	168	70	196
70	67.3	44,080	164	80	192
80	63.6	36,900	159	90	188
90	59.8	31,200	154	100	183
100	55.8	26,760	148	110	177
110	51.6	23,200	140	120	170
120	47.2	20,270	132	130	163
130	42.4	17,830	122	140	154
140	37.1	15,770	110	150	144
150	31.1	14,000	95	160	133
160	23.8	12,470	76	170	119
170	13.1	11,140	46	180	103
				190	82
				200	49
180' Boom length				210' Boom length	
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)	Radius (Feet)	From Boom Pt. to Ground (Feet)
33	80.9	125,530	185	38	214
35	80.2	115,470	184	40	214
40	78.6	95,220	184	50	212
50	75.3	69,910	181	60	210
60	72.0	54,290	178	70	207
70	68.6	43,770	175	80	203
80	65.2	36,600	170	90	199
90	61.6	30,900	165	100	194
100	57.9	26,460	160	110	189
110	54.1	22,900	153	120	182
120	50.0	19,970	145	130	175
130	45.8	17,530	136	140	167
140	41.1	15,460	126	150	158
150	36.0	13,690	113	160	148
160	30.2	12,160	98	170	136
170	23.1	10,830	78	180	122
180	12.7	9,660	47	190	105
				200	84
				210	50



LOAD CHART

HC 165**With 77SI Offset Tip Boom and 116,400 Pound Counterweight**

108,400 lb + 8,000 lb carbody counterweight				360°				ANSI B 30.5
220' Boom length				250' Boom length				
Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)	Radius (Feet)	Boom Angle (Degrees)	360 Degree Rating (Pounds)	From Boom Pt. to Ground (Feet)	
39	81.0	97,360	224	44	80.9	74,200 *	254	
40	80.7	93,830	224	50	79.5	67,490	253	
50	78.1	68,520	222	60	77.2	51,750	251	
60	75.4	52,830	220	70	74.8	41,170	248	
70	72.7	42,290	217	80	72.4	34,120	245	
80	69.9	35,180	214	90	70.0	28,400	242	
90	67.1	29,470	210	100	67.5	23,930	238	
100	64.2	25,010	205	110	65.0	20,340	234	
110	61.3	21,430	200	120	62.5	17,400	229	
120	58.3	18,500	194	130	59.8	14,960	223	
130	55.2	16,050	188	140	57.2	12,870	217	
140	52.0	13,980	180	150	54.4	11,100	210	
150	48.6	12,210	172	160	51.5	9,540	203	
160	45.0	10,660	163	170	48.5	8,190	194	
170	41.2	9,310	152	180	45.4	7,010	185	
180	37.1	8,130	140	190	42.1	5,950	175	
190	32.5	7,080	125	200	38.5	5,010	163	
200	27.3	6,140	108	210	34.7	4,160	149	
210	20.9	5,310	85	220	30.4	3,400	134	
220	11.5	4,570	51	230	25.5	2,710	115	
230' Boom length				260' Boom length				
41	80.8	90,190	234	46	80.8	68,160 *	264	
50	78.6	68,190	233	50	79.9	67,250 *	263	
60	76.0	52,490	230	60	77.7	51,870	261	
70	73.4	41,940	228	70	75.4	41,280	259	
80	70.8	34,850	224	80	73.1	34,250	256	
90	68.2	29,130	221	90	70.8	28,520	253	
100	65.4	24,670	216	100	68.4	24,050	249	
110	62.7	21,090	211	110	66.0	20,460	245	
120	59.8	18,170	206	120	63.6	17,510	240	
130	56.9	15,710	200	130	61.1	15,060	235	
140	53.9	13,640	193	140	58.6	12,980	229	
150	50.7	11,870	185	150	56.0	11,200	223	
160	47.4	10,320	177	160	53.3	9,640	215	
170	44.0	8,970	167	170	50.5	8,290	208	
180	40.2	7,780	156	180	47.5	7,100	199	
190	36.2	6,730	143	190	44.5	6,050	189	
200	31.7	5,790	128	200	41.2	5,100	178	
210	26.6	4,950	110	210	37.7	4,250	166	
220	20.4	4,200	87	220	34.0	3,490	152	
230	11.3	3,540	52	230	29.8	2,800	136	
240' Boom length				270' Boom length				
42	81.0	83,410 *	244	47	80.9	62,440 *	274	
50	79.1	67,840	243	50	80.3	61,770 *	273	
60	76.6	52,120	241	60	78.1	51,490	271	
70	74.1	41,550	238	70	75.9	40,890	269	
80	71.7	34,490	235	80	73.8	33,880	266	
90	69.1	28,770	231	90	71.5	28,140	263	
100	66.5	24,300	227	100	69.3	23,660	260	
110	63.9	20,720	223	110	67.0	20,070	256	
120	61.2	17,780	217	120	64.7	17,130	251	
130	58.5	15,330	212	130	62.3	14,670	246	
140	55.6	13,260	205	140	59.9	12,600	241	
150	52.7	11,480	198	150	57.4	10,810	235	
160	49.6	9,930	190	160	54.8	9,260	228	
170	46.4	8,590	181	170	52.2	7,900	220	
180	43.0	7,390	171	180	49.4	6,710	212	
190	39.4	6,340	159	190	46.6	5,650	203	
200	35.4	5,400	146	200	43.6	4,710	193	
210	31.1	4,550	131	210	40.4	3,850	182	
220	26.1	3,790	113	220	37.0	3,090	170	
230	20.0	3,110	89					



NOTES TO LIFTING CAPACITY

HC 165

Warning

This rating chart is invalid if the crane has been modified or altered by use of other than GENUINE AMERICAN PARTS as such modifications or alterations may affect its capacity or safe operation. See American Crane Corporation Service Bulliten #259.

Ratings in this chart are in POUNDS and do not exceed the percentage of tipping specified for this crane by ANSI B30.5. All ratings require that the crane be standing level on a firm uniformly supporting surface.

Do not lift loads in excess of those shown on this chart. Lifting loads in excess of those shown or operation not in accordance with good operating practice, including limitations shown on page 3499 of Operator's Manual, can cause tipping, structural damage or catastrophic failure.

Asterisk (*) areas on this chart indicate ratings which are limited by strength of material or factors other than stability (tipping).

„RADIUS IN FEET“ is the horizontal distance at ground level from the crane centerline of rotation to a vertical line through the center of gravity of the suspended load.

When using the main boom fall with jib in place, the main fall ratings must be reduced by the jib effective weight shown on the jib rating chart plus twice the weight of all suspended blocks, slings, rope, etc., at the jib fall. See Appendix A.

When using the main boom fall with boom tip extension in place, the main fall ratings must be reduced by the weight of the boom tip extension plus twice the weight of all suspended blocks, slings, rope, etc., at the boom tip extension fall. See Appendix A.

Blocks, slings, buckets and other load carrying devices are considered part of the load. The weight of standard hoisting ropes for the rating at a given radius has been calculated as part of the boom point load and need not be considered in determining net allowable loads. See Appendix A.

This chart was developed exclusively for use with a boom only. Under no circumstances are these ratings to be interpreted for use with a jib. Ratings shown on this chart make no allowance for such factors as out of plumb loads, wind, poor soil conditions, improper inflation of rubber tires and dynamic effects due to excessive operating speeds. The user (operator) must exercise judgement to make allowance for these conditions. See page 3499 of Operator's Manual for detailed information.

No account is taken of the wind force on the load. This effect, which can be substantial for loads with large surface areas, must be considered by the user. In any wind it is strongly recommended that taglines be used to control the load.

MAST HOIST LINE is 14 parts of 7/8 inch diameter EIPS wire rope with a minimum breaking strength of 79,600 pound.

PENDANT SUSPENSION LINE is 4 parts of 1.375 inch diameter MONOLAY wire rope with a minimum breaking strength of 208,000 pound.

MAIN LOAD LINE – 1.125 inch diameter EIPS wire rope with a minimum breaking strength of 130,000 pound.

ALTERNATE LOAD LINE (ROTATION RESISTANT) – 1.125 inch diameter BRIDON ENDURANCE DYFORM 34LR Grade 2160 wire rope with a minimum breaking strength of 167,200 pound.

ERECTION

Erection „OVER THE END“ is with the boom over the idler end with idler tumblers blocked (See operator's manual for blocking instructions). Erection „OVER THE SIDE“ is with the boom 90° to the sideframes and with the side frames extended. Blocks, slings and other load carrying devices must be on the ground during erection.

77SI OFFSET TIP BOOM MAXIMUM BOOM & JIB SELF-ERECTION DATA				
	OVER THE END		OVER THE SIDE	
	BOOM LENGTH (FT)	JIB LENGTH (FT)	BOOM LENGTH (FT)	JIB LENGTH (FT)
#16HL JIB	270	0	240	0
	260	0	230	60
	250	60	220	80
	240	80		

LOAD HOISTING INFORMATION - 1.125 inch diameter EIPS wire rope			
MAXIMUM LIFTING CAPACITY - LBS.	MINIMUM PARTS OF LINE	MAXIMUM HOISTING DISTANCE - FEET	
		MAIN - (FRONT)	AUX. - (REAR)
235,130	7	187	187
222,840	6	218	218
185,700	5	262	262
148,560	4	328	328
111,420	3	437	437
74,280	2	656	656
37,140	1	1,312	1,312

LOAD HOISTING INFORMATION (ROTATION RESISTANT LOAD LINE) 1.125 inch diameter BRIDON ENDURANCE DYFORM 34LR Grade 2160 wire rope			
MAXIMUM LIFTING CAPACITY - LBS.	MINIMUM PARTS OF LINE	MAXIMUM HOISTING DISTANCE - FEET	
		MAIN - (FRONT)	AUX. - (REAR)
234,080	7	187	187
200,640	6	218	218
167,200	5	262	262
133,760	4	328	328
100,320	3	437	437
66,880	2	656	656
33,440	1	1,312	1,312

Note: The Single Sheave Boom Point Extension is required to reeve 7 parts of line. The weight of the Single Sheave Boom Point Extension is 590 Pounds.

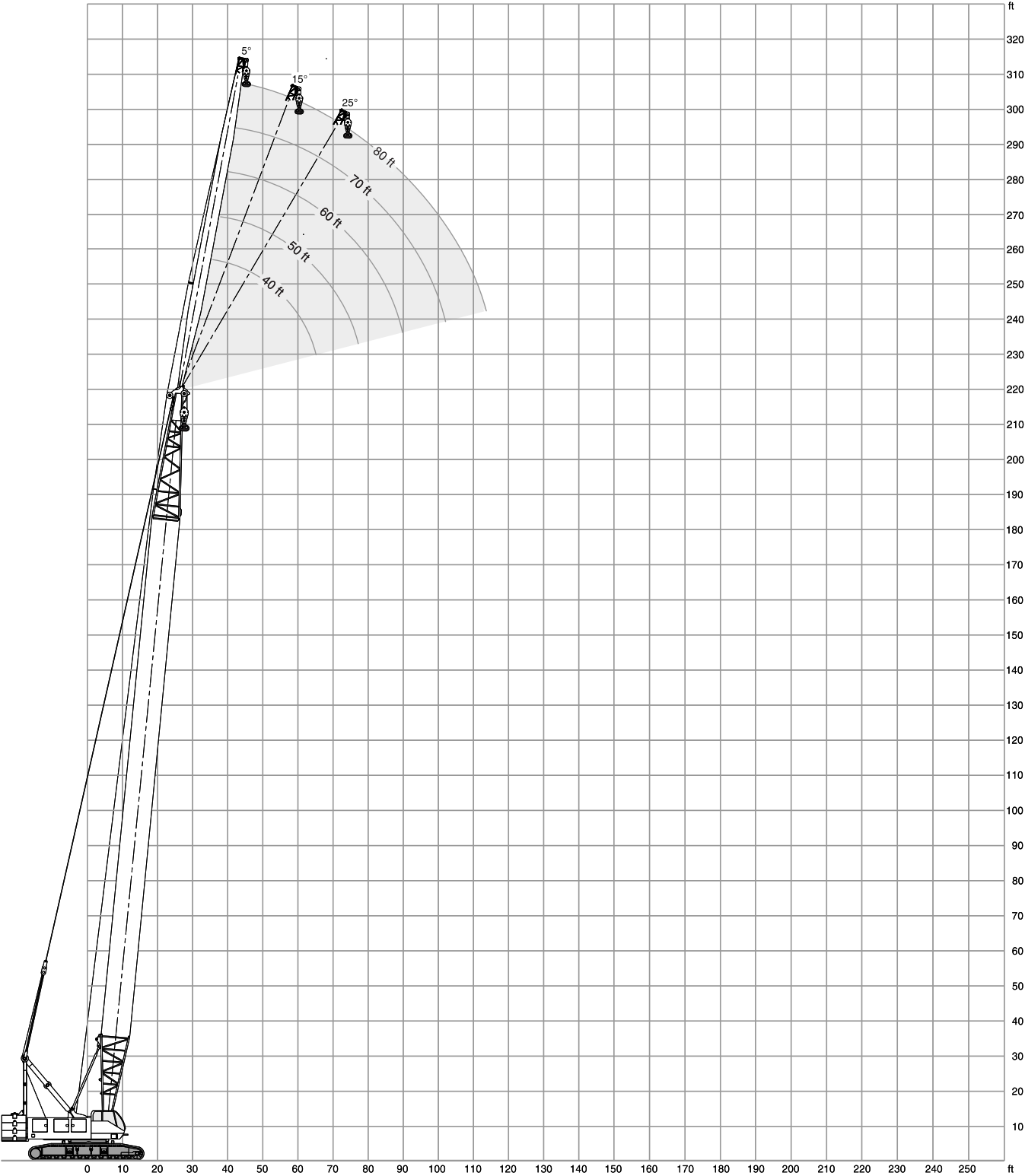
77SI OFFSET TIP BOOM COMPOSITION CHART							
BOOM LENGTH (METERS)	BOOM LENGTH (FEET)	BOOM SECTIONS					
		9.1 M 30' 77SI INNER	3.0 M 10' 77S CENTER	6.1 M 20' 77S CENTER	15.2 M 50' 77S CENTER	5.9 M 19.5' 77HL OUTER	9.1 M 30' 77LA OFFSET TIP
24.4 M	80	1	0	0	0	1	1
27.4 M	90	1	1	0	0	1	1
30.5 M	100	1	0	1	0	1	1
33.5 M	110	1	1	1	0	1	1
36.6 M	120	1	0	2	0	1	1
39.6 M	130	1	0	0	1	1	1
42.7 M	140	1	1	0	1	1	1
45.7 M	150	1	0	1	1	1	1
48.8 M	160	1	1	1	1	1	1
51.8 M	170	1	0	2	1	1	1
54.9 M	180	1	0	0	2	1	1
57.9 M	190	1	1	0	2	1	1
61.0 M	200	1	0	1	2	1	1
64.0 M	210	1	1	1	2	1	1
67.1 M	220	1	0	2	2	1	1
70.1 M	230	1	0	0	3	1	1
73.2 M	240	1	1	0	3	1	1
76.2 M	250	1	0	1	3	1	1
79.2 M	260	1	1	1	3	1	1
82.3 M	270	1	0	2	3	1	1



RANGE DIAGRAM

HC 165

77SI Hammerhead Tip Boom, #16HL Jib



TEREX®



LOAD CHART

HC 165

With 77SI Hammerhead Tip Boom and 102,000 Pound Upper Counterweight #16HL Jib

102,000 lb								360°								ANSI B 30.5															
40' Jib length																															
Boom length		Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length		Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)														
100'	26	82.8	32,000*	-	-	-	-		31	82.8	32,000*	-	-	-	-	-	-														
	30	81.2	32,000*	-	-	-	-		35	81.5	32,000*	-	-	-	-	-	-														
	35	79.1	32,000*	81.8	32,000*	-	-		40	79.9	32,000*	82.0	32,000*	-	-	-	-														
	40	77.0	32,000*	79.7	32,000*	82.3	32,000*		50	76.7	32,000*	78.8	32,000*	80.8	32,000*	-	-														
	50	72.8	32,000*	75.5	32,000*	78.0	31,870*		60	73.4	32,000*	75.5	32,000*	77.4	31,230*	-	-														
	60	68.5	32,000*	71.2	32,000*	73.6	28,630*		70	70.1	32,000*	72.2	32,000*	74.1	28,760*	-	-														
	70	64.1	32,000*	66.7	31,970*	69.1	25,980*		80	66.7	32,000*	68.7	32,000*	70.6	26,630*	-	-														
	80	59.4	32,000*	62.0	28,980*	64.3	23,890*		90	63.2	28,700	65.2	28,710	67.0	24,870*	-	-														
	90	54.6	30,460	57.1	26,510*	59.3	22,270*		100	59.6	24,510	61.6	24,520	63.3	23,370*	-	-														
100	49.3	26,280	51.8	24,550*	53.9	20,840*		110	55.8	21,150	57.8	21,160	59.5	21,170	-	-															
110'	27	82.9	32,000*	-	-	-	-		120	51.8	18,410	53.8	18,410	55.4	18,430	-	-														
	30	81.7	32,000*	-	-	-	-		130	47.7	16,120	49.6	16,130	51.1	16,140	-	-														
	35	79.8	32,000*	82.4	32,000*	-	-		140	43.2	14,200	45.0	14,200	46.5	14,220	-	-														
	40	77.9	32,000*	80.4	32,000*	82.8	32,000*																								
	50	74.0	32,000*	76.5	32,000*	78.9	32,000*																								
	60	70.0	32,000*	72.5	32,000*	74.8	29,370*																								
	70	65.9	32,000*	68.4	32,000*	70.6	26,830*																								
	80	61.7	32,000*	64.1	30,190*	66.3	24,630*																								
	90	57.2	30,010	59.6	27,680*	61.7	22,970*																								
100	52.6	25,830	54.9	25,620*	56.9	21,490*																									
110	47.5	22,480	49.8	22,490	51.7	20,330*																									
120'	28	83.0	32,000*	-	-	-	-																								
	30	82.3	32,000*	-	-	-	-																								
	35	80.5	32,000*	82.8	32,000*	-	-																								
	40	78.7	32,000*	81.0	32,000*	-	-																								
	50	75.0	32,000*	77.4	32,000*	79.6	32,000*																								
	60	71.3	32,000*	73.6	32,000*	75.8	30,060*																								
	70	67.5	32,000*	69.8	32,000*	71.9	27,510*																								
	80	63.6	32,000*	65.9	31,210*	67.9	25,410*																								
	90	59.5	29,580	61.8	28,740*	63.8	23,590*																								
100	55.3	25,390	57.5	25,400	59.4	22,190*																									
110	50.8	22,050	52.9	22,060	54.8	20,950*																									
120	45.9	19,300	48.1	19,310	49.8	19,320																									
130'	30	82.7	32,000*	-	-	-	-																								
	35	81.0	32,000*	-	-	-	-																								
	40	79.3	32,000*	81.6	32,000*	-	-																								
	50	75.9	32,000*	78.1	32,000*	80.2	32,000*																								
	60	72.4	32,000*	74.6	32,000*	76.7	30,720*																								
	70	68.9	32,000*	71.1	32,000*	73.1	28,150*																								
	80	65.2	32,000*	67.4	32,000*	69.3	26,040*																								
	90	61.5	29,140	63.6	29,140	65.5	24,230*																								
	100	57.6	24,950	59.7	24,950	61.5	22,810*																								
110	53.5	21,590	55.5	21,600	57.3	21,540*																									
120	49.1	18,850	51.2	18,860	52.8	18,870																									
130	44.5	16,580	46.5	16,580	48.0	16,590																									

140'	32	82.9	32,000*	-	-	-	-
	35	82.0	32,000*	-	-	-	-
	40	80.5	32,000*	82.5	32,000*	-	-
	50	77.4	32,000*	79.4	32,000*	81.3	32,000*
	60	74.3	32,000*	76.3	32,000*	78.1	31,780*
	70	71.2	32,000*	73.1	32,000*	74.9	29,350*
	80	68.0	32,000*	69.9	32,000*	71.7	27,250*
	90	64.7	28,310	66.6	28,320	68.3	25,450*
	100	61.3	24,120	63.2	24,120	64.9	23,970*
110	57.8	20,760	59.7	20,760	61.3	20,770	
120	54.2	18,010	56.0	18,010	57.6	18,030	
130	50.4	15,730	52.2	15,730	53.7	15,740	
140	46.3	13,790	48.1	13,800	49.5	13,810	
150	41.9	12,140	43.7	12,150	45.0	12,160	
160'	33	82.9	32,000*	-	-	-	-
	35	82.4	32,000*	-	-	-	-
	40	80.9	32,000*	82.8	32,000*	-	-
	50	78.0	32,000*	79.9	32,000*	81.7	32,000*
	60	75.1	32,000*	77.0	32,000*	78.8	32,000*
	70	72.1	32,000*	74.0	32,000*	75.7	29,780*
	80	69.1	32,000*	71.0	32,000*	72.7	27,800*
	90	66.0	27,870	67.9	27,880	69.5	26,000*
	100	62.9	23,670	64.7	23,680	66.3	23,690
110	59.6	20,310	61.4	20,320	63.0	20,330	
120	56.2	17,560	58.0	17,570	59.5	17,580	
130	52.7	15,280	54.4	15,280	55.9	15,290	
140	49.0	13,340	50.7	13,340	52.1	13,350	
150	45.1	11,690	46.7	11,700	48.1	11,710	
160	40.8	10,260	42.4	10,270	43.7	10,280	



LOAD CHART

HC 165**With 77SI Hammerhead Tip Boom and 102,000 Pound Upper Counterweight #16HL Jib**

102,000 lb								360°								ANSI B 30.5															
40' Jib length																															
Boom length		Jib Radius (Feet)	5.0 Deg offset Boom Angle Rating (Pounds)		15.0 Deg offset Boom Angle Rating (Pounds)		25.0 Deg offset Boom Angle Rating (Pounds)		Boom length		Jib Radius (Feet)	5.0 Deg offset Boom Angle Rating (Pounds)		15.0 Deg offset Boom Angle Rating (Pounds)		25.0 Deg offset Boom Angle Rating (Pounds)		Boom length		Jib Radius (Feet)	5.0 Deg offset Boom Angle Rating (Pounds)		15.0 Deg offset Boom Angle Rating (Pounds)		25.0 Deg offset Boom Angle Rating (Pounds)						
170'	34	83.0	32,000*	-	-	-	-	38	82.9	32,000*	-	-	-	-	40	82.4	32,000*	-	-	-	-	-	-	-	-	-	-				
	35	82.7	32,000*	-	-	-	-	40	82.4	32,000*	-	-	-	-	50	80.0	32,000*	81.6	32,000*	-	-	-	-	80.7	32,000*	-	-				
	40	81.4	32,000*	-	-	-	-	60	77.6	32,000*	79.2	32,000*	80.7	32,000*	70	75.2	32,000*	76.7	32,000*	78.2	31,590*	80	72.7	31,570	74.3	31,580	75.7	29,630*			
	50	78.6	32,000*	80.4	32,000*	82.1	32,000*	80	72.7	31,570	74.3	31,580	75.7	29,630*	90	70.2	26,180	71.7	26,180	73.2	26,190	100	67.7	21,970	69.2	21,970	70.6	21,980			
	60	75.8	32,000*	77.6	32,000*	79.3	32,000*	100	67.7	21,970	69.2	21,970	70.6	21,980	110	65.1	18,600	66.6	18,600	67.9	18,610	120	62.4	15,830	63.9	15,840	65.2	15,850			
	70	73.0	32,000*	74.8	32,000*	76.4	30,390*	120	59.7	13,530	61.2	13,530	62.5	13,540	130	56.9	11,590	58.3	11,590	59.6	11,610	140	54.0	9,920	55.4	9,930	56.6	9,940			
	80	70.2	32,000*	71.9	32,000*	73.5	28,310*	140	56.9	11,590	58.3	11,590	59.6	11,610	150	54.0	9,920	55.4	9,930	56.6	9,940	160	50.9	8,490	52.4	8,490	53.6	8,510			
	90	67.2	27,440	69.0	27,440	70.6	26,500*	160	50.9	8,490	52.4	8,490	53.6	8,510	170	47.8	7,240	49.2	7,250	50.3	7,260	180	44.5	6,140	45.8	6,140	46.9	6,160			
	100	64.3	23,240	66.0	23,250	67.5	23,260	180	44.5	6,140	45.8	6,140	46.9	6,160	190	40.9	5,170	42.3	5,180	43.3	5,190	200	37.1	4,310	38.4	4,320	39.3	4,330			
	110	61.2	19,880	62.9	19,880	64.4	19,890																								
	120	58.0	17,120	59.7	17,130	61.2	17,140																								
	130	54.8	14,840	56.4	14,840	57.9	14,850																								
140	51.3	12,890	53.0	12,900	54.4	12,910																									
150	47.7	11,230	49.3	11,240	50.7	11,250																									
160	43.9	9,810	45.5	9,820	46.7	9,830																									
170	39.8	8,570	41.3	8,570	42.5	8,590																									
180'	36	82.8	32,000*	-	-	-	-	39	83.0	32,000*	-	-	-	-	40	82.7	32,000*	-	-	-	-	-	-	-	-	-	-				
	40	81.8	32,000*	-	-	-	-	40	82.7	32,000*	-	-	-	-	50	80.4	32,000*	82.0	32,000*	-	-	-	-	60	78.1	32,000*	79.6	32,000*	81.1	32,000*	
	50	79.1	32,000*	80.9	32,000*	82.5	32,000*	60	78.1	32,000*	79.6	32,000*	81.1	32,000*	70	75.8	32,000*	77.3	32,000*	78.7	31,970*	80	73.4	31,140	74.9	31,150	76.3	30,080*			
	60	76.5	32,000*	78.2	32,000*	79.8	32,000*	80	73.4	31,140	74.9	31,150	76.3	30,080*	90	71.0	25,740	72.5	25,740	73.9	25,750	100	68.6	21,530	70.1	21,530	71.4	21,540			
	70	73.8	32,000*	75.5	32,000*	77.1	30,810*	110	66.1	18,160	67.6	18,160	68.9	18,170	120	63.6	15,390	65.0	15,390	66.3	15,400	130	61.0	13,080	62.4	13,090	63.7	13,100			
	80	71.1	32,000*	72.8	32,000*	74.3	28,800*	140	58.4	11,140	59.8	11,150	61.0	11,160	150	55.6	9,470	57.0	9,480	58.2	9,490	160	52.8	8,040	54.2	8,040	55.3	8,060			
	90	68.3	27,010	70.0	27,010	71.5	27,010*	170	49.8	6,780	51.2	6,780	52.3	6,800	180	46.8	5,680	48.1	5,690	49.2	5,700	190	43.5	4,710	44.8	4,720	45.8	4,730			
	100	65.5	22,800	67.2	22,800	68.7	22,810	200	40.0	3,840	41.3	3,850	42.3	3,860	210	36.3	3,070	37.5	3,080	38.4	3,100										
	110	62.6	19,430	64.3	19,440	65.7	19,450																								
	120	59.6	16,680	61.3	16,680	62.7	16,700																								
	130	56.6	14,380	58.2	14,390	59.6	14,400																								
	140	53.4	12,440	55.0	12,450	56.3	12,460																								
150	50.1	10,780	51.6	10,790	52.9	10,800																									
160	46.6	9,340	48.1	9,350	49.3	9,360																									
170	42.8	8,100	44.3	8,110	45.5	8,120																									
180	38.8	7,010	40.3	7,020	41.3	7,030																									
190'	37	82.9	32,000*	-	-	-	-	41	82.8	32,000*	-	-	-	-	40	82.1	32,000*	-	-	-	-	-	-	-	-	-	-				
	40	82.1	32,000*	-	-	-	-	50	80.8	32,000*	82.3	32,000*	-	-	60	78.6	32,000*	80.0	32,000*	81.4	32,000*	70	76.3	32,000*	77.8	32,000*	79.1	32,000*			
	50	79.6	32,000*	81.3	32,000*	82.8	32,000*	80	78.1	32,000*	79.6	32,000*	81.1	32,000*	90	77.1	32,000*	78.7	32,000*	80.3	32,000*	100	74.5	32,000*	76.2	32,000*	77.7	32,000*			
	60	77.1	32,000*	78.7	32,000*	80.3	32,000*	110	74.5	32,000*	76.2	32,000*	77.7	32,000*	120	71.9	31,970	73.6	31,980	75.0	29,180*	130	69.3	26,570	70.9	26,570	72.4	26,580			
	70	74.5	32,000*	76.2	32,000*	77.7	31,190*	140	66.6	22,370	68.2	22,370	69.7	22,380	150	66.6	22,370	68.2	22,370	69.7	22,380	160	63.9	19,000	65.5	19,000	66.9	19,020			
	80	71.9	31,970	73.6	31,980	75.0	29,180*	170	63.9	19,000	65.5	19,000	66.9	19,020	180	61.1	16,240	62.7	16,240	64.0	16,250	190	58.2	13,940	59.8	13,950	61.1	13,960			
	90	69.3	26,570	70.9	26,570	72.4	26,580	200	55.2	12,000	56.8	12,000	58.1	12,010	210	55.2	12,000	56.8	12,000	58.1	12,010	220	52.1	10,330	53.6	10,340	54.9	10,350			
	100	66.6	22,370	68.2	22,370	69.7	22,380	240	48.9	8,900	50.4	8,910	51.6	8,920	250	48.9	8,900	50.4	8,910	51.6	8,920	260	45.5	7,650	46.9	7,650	48.1	7,670			
	110	63.9	19,000	65.5	19,000	66.9	19,020	280	45.5	7,650	46.9	7,650	48.1	7,670	290	41.8	6,560	43.3	6,560	44.3	6,580	300	41.8	6,560	43.3	6,560	44.3	6,580			
	120	61.1	16,240	62.7	16,240	64.0	16,250	340	37.9	5,590	39.3	5,600	40.3	5,620	350	37.9	5,590	39.3	5,600	40.3	5,620	360	37.9	5,590	39.3	5,600	40.3	5,620			
	130	58.2	13,940	59.8	13,950	61.1	13,960																								
	140	55.2	12,000	56.8	12,000	58.1	12,010																								
150	52.1	10,330	53.6	10,340	54.9	10,350																									
160	48.9	8,900	50.4	8,910	51.6	8,920																									
170	45.5	7,650	46.9	7,650	48.1	7,670																									
180	41.8	6,560	43.3	6,560	44.3	6,580																									
190	37.9	5,590	39.3	5,600	40.3	5,620																									

**TEREX®**



LOAD CHART

HC 165

With 77SI Hammerhead Tip Boom and 102,000 Pound Upper Counterweight #16HL Jib

 102,000 lb				360°				ANSI B 30.5							
50' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
130'	32	82.7	32,000*	-	-	-	-		37	82.8	32,000*	-	-	-	-
	35	81.8	32,000*	-	-	-	-		40	82.0	32,000*	-	-	-	-
	40	80.2	32,000*	82.8	29,160*	-	-		50	79.4	31,260*	81.5	28,440*	-	-
	50	77.0	30,720*	79.6	28,290*	82.1	26,260*		60	76.7	30,360*	78.9	27,790*	80.9	25,790*
	60	73.7	29,600*	76.3	27,380*	78.8	25,740*		70	74.0	29,380*	76.2	27,100*	78.2	25,270*
	70	70.4	28,580*	73.0	26,640*	75.4	23,910*		80	71.3	28,590*	73.4	26,460*	75.4	23,790*
	80	67.0	27,750*	69.5	25,930*	71.9	22,110*	170'	90	68.5	27,710	70.7	25,870*	72.6	22,270*
	90	63.5	26,890*	66.0	25,320*	68.3	20,640*		100	65.7	23,510	67.8	23,510	69.7	20,980*
	100	59.8	25,230	62.3	23,620*	64.6	19,330*		110	62.8	20,140	64.9	20,150	66.8	19,840*
	110	56.1	21,880	58.5	21,890	60.7	18,220*		120	59.9	17,390	61.9	17,400	63.7	17,410
120	52.1	19,140	54.6	19,140	56.7	17,280*		130	56.8	15,100	58.8	15,110	60.6	15,120	
130	47.9	16,850	50.3	16,860	52.3	16,470*		140	53.6	13,150	55.6	13,160	57.3	13,170	
									150	50.3	11,500	52.3	11,510	53.9	11,520
									160	46.8	10,070	48.7	10,070	50.3	10,090
									170	43.1	8,820	44.9	8,830	46.4	8,850



LOAD CHART

HC 165

With 77SI Hammerhead Tip Boom and 102,000 Pound Upper Counterweight #16HL Jib

102,000 lb								360°								ANSI B 30.5															
50' Jib length																															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)		Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)		Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)						
200'	40	82.9	32,000*	-	-	-	-		43	82.8	31,940*	-	-	-	-		43	82.8	31,940*	-	-	-	-	-	-	-					
	50	80.6	31,490*	82.6	28,430*	-	-		50	81.3	31,460*	-	-	-	-		50	81.3	31,460*	-	-	-	-	-	-						
	60	78.3	30,650*	80.2	27,740*	82.0	25,590*		60	79.2	30,670*	81.0	27,710*	82.6	25,550*		60	79.2	30,670*	81.0	27,710*	82.6	25,550*								
	70	76.0	29,740*	77.9	27,200*	79.6	25,280*		70	77.0	29,960*	78.8	27,210*	80.4	25,190*		70	77.0	29,960*	78.8	27,210*	80.4	25,190*								
	80	73.6	28,970*	75.5	26,660*	77.2	24,770*		80	74.9	29,130*	76.6	26,670*	78.2	24,850*		80	74.9	29,130*	76.6	26,670*	78.2	24,850*								
	90	71.2	26,440	73.1	26,110*	74.8	23,300*		90	72.7	25,570	74.4	25,570	76.0	23,920*		90	72.7	25,570	74.4	25,570	76.0	23,920*								
	100	68.8	22,230	70.6	22,230	72.3	22,030*		100	70.4	21,360	72.1	21,360	73.7	21,370		100	70.4	21,360	72.1	21,360	73.7	21,370								
	110	66.3	18,850	68.1	18,850	69.8	18,860		110	68.2	17,970	69.9	17,980	71.4	17,990		110	68.2	17,970	69.9	17,980	71.4	17,990								
	120	63.8	16,090	65.6	16,100	67.2	16,110		120	65.9	15,200	67.6	15,210	69.1	15,220		120	65.9	15,200	67.6	15,210	69.1	15,220								
	130	61.2	13,780	63.0	13,790	64.6	13,800		130	63.5	12,900	65.2	12,900	66.7	12,920		130	63.5	12,900	65.2	12,900	66.7	12,920								
	140	58.5	11,840	60.3	11,850	61.9	11,860		140	61.1	10,950	62.8	10,960	64.3	10,970		140	61.1	10,950	62.8	10,960	64.3	10,970								
	150	55.8	10,170	57.6	10,180	59.1	10,190		150	58.7	9,280	60.3	9,290	61.8	9,300		150	58.7	9,280	60.3	9,290	61.8	9,300								
	160	53.0	8,740	54.7	8,750	56.2	8,760		160	56.1	7,840	57.8	7,850	59.2	7,860		160	56.1	7,840	57.8	7,850	59.2	7,860								
	170	50.0	7,490	51.8	7,490	53.2	7,510		170	53.5	6,580	55.1	6,580	56.5	6,600		170	53.5	6,580	55.1	6,580	56.5	6,600								
	180	47.0	6,380	48.7	6,390	50.0	6,400		180	50.8	5,470	52.4	5,480	53.8	5,500		180	50.8	5,470	52.4	5,480	53.8	5,500								
	190	43.7	5,410	45.4	5,420	46.7	5,430		190	48.0	4,500	49.6	4,500	50.9	4,520		190	48.0	4,500	49.6	4,500	50.9	4,520								
200	40.2	4,550	41.9	4,560	43.1	4,580		200	45.1	3,630	46.6	3,640	47.8	3,660		200	45.1	3,630	46.6	3,640	47.8	3,660									
									210	42.0	2,850	43.5	2,860	44.6	2,880		210	42.0	2,850	43.5	2,860	44.6	2,880								
									220	38.6	2,160	40.1	2,170	41.2	2,190		220	38.6	2,160	40.1	2,170	41.2	2,190								
	41	83.0	32,000*	-	-	-	-																								
	50	81.0	31,500*	82.8	28,400*	-	-																								
	60	78.8	30,600*	80.6	27,790*	82.3	25,550*																								
	70	76.5	29,840*	78.3	27,210*	80.1	25,240*																								
	80	74.3	29,130*	76.1	26,700*	77.8	24,840*																								
	90	72.0	26,000	73.8	26,000	75.4	23,620*																								
	100	69.6	21,790	71.4	21,790	73.1	21,800																								
	110	67.3	18,400	69.0	18,410	70.7	18,420																								
210'	120	64.9	15,650	66.6	15,650	68.2	15,670																								
	130	62.4	13,340	64.1	13,350	65.7	13,360																								
	140	59.9	11,400	61.6	11,400	63.1	11,420																								
	150	57.3	9,730	59.0	9,730	60.5	9,750																								
	160	54.6	8,280	56.3	8,290	57.8	8,300																								
	170	51.9	7,030	53.5	7,030	54.9	7,050																								
	180	49.0	5,930	50.6	5,930	52.0	5,950																								
	190	46.0	4,950	47.6	4,960	48.9	4,970																								
	200	42.8	4,080	44.4	4,090	45.6	4,110																								
	210	39.4	3,320	41.0	3,320	42.1	3,340																								
60' Jib length																															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)		Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)		Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)						
150'	36	82.9	29,770*	-	-	-	-		37	83.0	29,690*	-	-	-	-		37	83.0	29,690*	-	-	-	-	-	-						
	40	81.8	29,310*	-	-	-	-		40	82.2	29,360*	-	-	-	-		40	82.2	29,360*	-	-	-	-	-	-						
	50	79.1	28,220*	81.8	25,520*	-	-		50	79.6	28,350*	82.2	25,540*	-	-		50	79.6	28,350*	82.2	25,540*	-	-	-							
	60	76.3	27,180*	79.0	24,720*	81.6	22,840*		60	76.9	27,370*	79.5	24,810*	82.0	22,840*		60	76.9	27,370*	79.5	24,810*	82.0	22,840*								
	70	73.5	26,280*	76.2	24,030*	78.7	21,700*		70	74.3	26,400*	76.8	24,090*	79.3	21,990*		70	74.3	26,400*	76.8	24,090*	79.3	21,990*								
	80	70.6	25,330*	73.3	23,420*	75.8	20,160*		80	71.5	25,570*	74.1	23,480*	76.5	20,460*		80	71.5	25,570*	74.1	23,480*	76.5	20,460*								
	90	67.7	24,620*	70.4	22,760*	72.8	18,790*		90	68.8	24,750*	71.3	22,950*	73.7	19,100*		90	68.8	24,750*	71.3	22,950*	73.7	19,100*								
	100	64.7	23,870*	67.4	21,930*	69.8	17,610*		100	65.9	24,040*	68.5	22,400*	70.8	17,910*		100	65.9	24,040*	68.5	22,400*	70.8	17,910*								
	110	61.7	21,280	64.3	20,460*	66.6	16,620*		110	63.1	20,830	65.6	20,840	67.8	16,930*		110	63.1	20,830	65.6	20,840	67.8	16,930*								
	120	58.5	18,520	61.1	18,530	63.4	15,760*		120	60.1	18,080	62.6	18,090	64.8	16,090*		120	60.1	18,080	62.6	18,090	64.8	16,090*								
	130	55.2	16,240	57.8	16,240	60.0	14,980*		130	57.0	15,780	59.5	15,790	61.6	15,330*		130	57.0	15,780	59.5	15,790	61.6	15,330*								
	140	51.8	14,300	54.3	14,310	56.5	14,320*		140	53.8	13,840	56.3	13,850	58.4	13,870		140	53.8	13,840	56.3	13,850	58.4	13,870								
	150	48.2	12,650	50.7	12,650	52.8	12,670		150	50.5	12,190	52.9	12,200	54.9	12,220		150	50.5	12,190	52.9	12,200	54.9	12,220								
										160	47.0	10,760	49.3	10,760	51.3	10,780		160	47.0	10,760	49.3	10,760	51.3	10,780							

**TEREX®**



LOAD CHART

HC 165

With 77SI Hammerhead Tip Boom and 102,000 Pound Upper Counterweight #16HL Jib

 102,000 lb				360°				ANSI B 30.5								
60' Jib length																
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	
170'	39	82.8	29,570*	-	-	-	-		42	83.0	29,210*	-	-	-	-	
	40	82.5	29,440*	-	-	-	-		50	81.2	28,530*	-	-	-	-	
	50	80.0	28,370*	82.5	25,520*	-	-		60	79.0	27,680*	81.2	24,820*	-	-	
	60	77.5	27,510*	80.0	24,800*	82.3	22,770*		70	76.7	26,860*	78.9	24,260*	81.0	22,250*	
	70	75.0	26,630*	77.4	24,150*	79.7	22,200*		80	74.4	26,170*	76.6	23,730*	78.7	21,470*	
	80	72.4	25,710*	74.8	23,540*	77.1	20,670*		90	72.2	25,450*	74.3	23,220*	76.3	20,170*	
	90	69.7	24,980*	72.2	22,990*	74.4	19,390*		100	69.8	22,470*	72.0	22,470*	74.0	19,000*	
	100	67.1	23,760	69.5	22,480*	71.7	18,230*		110	67.5	19,090	69.6	19,100	71.5	18,040*	
	110	64.3	20,390	66.7	20,400	68.9	17,210*		120	65.1	16,330	67.2	16,330	69.1	16,350	
	120	61.5	17,640	63.9	17,640	66.0	16,350*		130	62.6	14,030	64.7	14,040	66.6	14,050	
180'	130	58.6	15,340	61.0	15,350	63.1	15,370		140	60.1	12,080	62.2	12,090	64.0	12,100	
	140	55.6	13,400	58.0	13,400	60.0	13,420		150	57.5	10,420	59.6	10,430	61.4	10,440	
	150	52.5	11,740	54.8	11,750	56.8	11,770		160	54.8	8,970	56.9	8,980	58.6	8,990	
	160	49.3	10,310	51.6	10,320	53.5	10,340		170	52.1	7,720	54.1	7,720	55.8	7,740	
	170	45.9	9,060	48.1	9,060	50.0	9,080		180	49.2	6,620	51.2	6,630	52.8	6,640	
									190	46.2	5,640	48.1	5,650	49.7	5,670	
									200	43.0	4,780	44.9	4,790	46.4	4,810	
190'	40	82.8	29,400*	-	-	-	-		44	82.8	28,990*	-	-	-	-	
	50	80.5	28,510*	82.8	25,470*	-	-		50	81.5	28,480*	-	-	-	-	
	60	78.0	27,520*	80.4	24,890*	82.7	22,790*		60	79.4	27,700*	81.5	24,760*	-	-	
	70	75.6	26,740*	78.0	24,220*	80.2	22,280*		70	77.2	26,960*	79.3	24,260*	81.3	22,190*	
	80	73.1	25,920*	75.5	23,700*	77.7	20,960*		80	75.0	26,210*	77.1	23,790*	79.1	21,680*	
	90	70.6	25,170*	72.9	23,130*	75.1	19,690*		90	72.8	25,510*	74.9	23,240*	76.9	20,390*	
	100	68.1	23,320	70.4	22,540*	72.5	18,490*		100	70.6	22,030	72.7	22,030	74.6	19,300*	
	110	65.5	19,940	67.8	19,940	69.9	17,500*		110	68.3	18,640	70.4	18,650	72.3	18,320*	
	120	62.8	17,180	65.1	17,190	67.1	16,630*		120	66.0	15,880	68.1	15,890	69.9	15,910	
	130	60.1	14,890	62.3	14,900	64.4	14,910		130	63.7	13,580	65.7	13,590	67.5	13,600	
200'	140	57.3	12,940	59.5	12,950	61.5	12,960		140	61.3	11,630	63.3	11,640	65.1	11,660	
	150	54.4	11,280	56.6	11,290	58.5	11,310		150	58.8	9,960	60.8	9,970	62.6	9,980	
	160	51.4	9,850	53.5	9,860	55.4	9,870		160	56.3	8,520	58.3	8,530	60.0	8,550	
	170	48.2	8,590	50.3	8,600	52.1	8,620		170	53.7	7,260	55.7	7,270	57.3	7,280	
	180	44.9	7,500	47.0	7,510	48.7	7,520		180	51.0	6,150	52.9	6,160	54.6	6,180	
									190	48.2	5,180	50.1	5,180	51.7	5,200	
									200	45.2	4,310	47.1	4,320	48.6	4,340	
									210	42.1	3,540	44.0	3,550	45.4	3,570	
220'	45	82.8	28,840*	-	-	-	-		45	82.8	28,840*	-	-	-	-	
	50	81.8	28,460*	-	-	-	-		50	81.8	28,460*	-	-	-	-	
	60	79.8	27,720*	81.8	24,760*	-	-		60	79.8	27,720*	81.8	24,760*	-	-	
	70	77.7	26,950*	79.7	24,230*	81.6	22,130*		70	77.7	26,950*	79.7	24,230*	81.6	22,130*	
	80	75.6	26,270*	77.6	23,790*	79.5	21,800*		80	75.6	26,270*	77.6	23,790*	79.5	21,800*	
	90	73.5	25,560*	75.5	23,260*	77.4	20,630*		90	73.5	25,560*	75.5	23,260*	77.4	20,630*	
	100	71.3	21,600	73.3	21,600	75.2	19,490*		100	71.3	21,600	73.3	21,600	75.2	19,490*	
	110	69.1	18,210	71.1	18,220	73.0	18,230		110	69.1	18,210	71.1	18,220	73.0	18,230	
	120	66.9	15,440	68.9	15,450	70.7	15,460		120	66.9	15,440	68.9	15,450	70.7	15,460	
	130	64.7	13,140	66.7	13,140	68.4	13,160		130	64.7	13,140	66.7	13,140	68.4	13,160	
240'	140	62.4	11,190	64.4	11,200	66.1	11,210		140	62.4	11,190	64.4	11,200	66.1	11,210	
	150	60.1	9,520	62.0	9,520	63.7	9,540		150	60.1	9,520	62.0	9,520	63.7	9,540	
	160	57.7	8,080	59.6	8,080	61.3	8,100		160	57.7	8,080	59.6	8,080	61.3	8,100	
	170	55.2	6,810	57.1	6,820	58.7	6,830		170	55.2	6,810	57.1	6,820	58.7	6,830	
	180	52.7	5,700	54.5	5,710	56.1	5,730		180	52.7	5,700	54.5	5,710	56.1	5,730	
	190	50.0	4,720	51.9	4,730	53.4	4,750		190	50.0	4,720	51.9	4,730	53.4	4,750	
	200	47.3	3,860	49.1	3,860	50.6	3,880		200	47.3	3,860	49.1	3,860	50.6	3,880	
	210	44.4	3,080	46.2	3,090	47.6	3,110		210	44.4	3,080	46.2	3,090	47.6	3,110	
	220	41.3	2,390	43.1	2,400	44.4	2,420		220	41.3	2,390	43.1	2,400	44.4	2,420	



LOAD CHART

HC 165

With 77SI Hammerhead Tip Boom and 102,000 Pound Upper Counterweight #16HL Jib

102,000 lb						360°						ANSI B 30.5					
70' Jib length																	
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)
	42	82.9	22,110*	-	-	-	-		46	82.8	21,860*	-	-	-	-		
	50	81.0	21,490*	-	-	-	-		50	82.0	21,580*	-	-	-	-		
	60	78.7	20,710*	81.4	18,400*	-	-		60	79.9	20,880*	82.3	18,400*	-	-		
	70	76.4	19,960*	79.0	17,880*	81.6	16,230*		70	77.9	20,210*	80.2	17,960*	82.5	16,210*		
	80	74.0	19,300*	76.7	17,360*	79.2	15,910*		80	75.8	19,580*	78.1	17,510*	80.4	15,860*		
	90	71.6	18,660*	74.2	16,880*	76.7	15,460*		90	73.6	18,980*	76.0	17,020*	78.2	15,510*		
180'	100	69.2	18,060*	71.8	16,460*	74.2	15,030*		100	71.5	18,440*	73.8	16,620*	76.0	15,150*		
	110	66.7	17,480*	69.3	15,990*	71.7	14,640*		110	69.3	17,880*	71.7	16,200*	73.8	14,810*		
	120	64.2	16,990*	66.8	15,490*	69.1	14,300*		120	67.1	16,080*	69.4	15,890*	71.6	14,460*		
	130	61.6	15,080	64.1	15,070*	66.5	13,810*		130	64.9	13,780	67.2	13,780	69.3	13,800		
	140	58.9	13,140	61.5	13,150	63.7	13,170*		140	62.6	11,830	64.9	11,840	66.9	11,860		
	150	56.2	11,480	58.7	11,490	60.9	11,510		150	60.2	10,160	62.5	10,170	64.5	10,180		
	160	53.4	10,040	55.9	10,050	58.0	10,070		160	57.8	8,720	60.1	8,730	62.1	8,740		
	170	50.4	8,790	52.9	8,800	55.0	8,820		170	55.4	7,460	57.6	7,470	59.5	7,490		
	180	47.3	7,690	49.8	7,700	51.8	7,720		180	52.8	6,350	55.0	6,360	56.9	6,380		
									190	50.2	5,370	52.4	5,380	54.2	5,400		
									200	47.4	4,510	49.6	4,520	51.4	4,540		
									210	44.6	3,720	46.7	3,730	48.4	3,760		
	43	82.9	22,040*	-	-	-	-		47	82.9	21,780*	-	-	-	-		
	50	81.4	21,550*	-	-	-	-		50	82.3	21,550*	-	-	-	-		
	60	79.2	20,740*	81.7	18,420*	-	-		60	80.3	20,910*	82.6	18,430*	-	-		
	70	76.9	20,000*	79.5	17,870*	81.9	16,210*		70	78.3	20,250*	80.6	17,960*	82.8	16,120*		
	80	74.6	19,340*	77.2	17,450*	79.6	15,880*		80	76.3	19,620*	78.6	17,490*	80.7	15,860*		
	90	72.3	18,800*	74.9	16,980*	77.2	15,460*		90	74.2	19,010*	76.5	17,100*	78.6	15,550*		
190'	100	70.0	18,210*	72.5	16,490*	74.9	15,030*		100	72.2	18,540*	74.4	16,640*	76.5	15,210*		
	110	67.7	17,620*	70.2	16,110*	72.5	14,660*		110	70.1	17,970*	72.3	16,290*	74.4	14,820*		
	120	65.2	16,950	67.7	15,620*	70.0	14,350*		120	68.0	15,640	70.2	15,650	72.2	14,530*		
	130	62.8	14,640	65.2	14,650	67.5	14,010*		130	65.8	13,330	68.0	13,340	70.1	13,360		
	140	60.3	12,700	62.7	12,710	64.9	12,720		140	63.6	11,390	65.8	11,400	67.8	11,410		
	150	57.7	11,030	60.1	11,040	62.2	11,050		150	61.4	9,710	63.6	9,720	65.5	9,740		
	160	55.0	9,590	57.4	9,600	59.5	9,620		160	59.1	8,270	61.3	8,280	63.2	8,300		
	170	52.2	8,340	54.6	8,350	56.7	8,360		170	56.7	7,010	58.9	7,020	60.8	7,040		
	180	49.4	7,240	51.7	7,250	53.7	7,270		180	54.3	5,900	56.5	5,910	58.3	5,930		
	190	46.4	6,260	48.7	6,270	50.6	6,290		190	51.8	4,920	53.9	4,930	55.8	4,950		
									200	49.2	4,050	51.3	4,060	53.1	4,080		
									210	46.5	3,270	48.6	3,280	50.3	3,300		
									220	43.7	2,570	45.8	2,590	47.4	2,610		
	44	83.0	22,000*	-	-	-	-										
	50	81.7	21,520*	-	-	-	-										
	60	79.6	20,770*	82.0	18,450*	-	-										
	70	77.4	20,140*	79.9	17,950*	82.2	16,190*										
	80	75.2	19,470*	77.7	17,420*	80.0	15,860*										
	90	73.0	18,860*	75.5	17,010*	77.7	15,530*										
	100	70.8	18,290*	73.2	16,600*	75.5	15,100*										
	110	68.5	17,770*	70.9	16,170*	73.2	14,740*										
200'	120	66.2	16,520	68.6	15,740*	70.8	14,380*										
	130	63.9	14,230	66.3	14,240	68.4	14,120*										
	140	61.5	12,280	63.8	12,290	66.0	12,310										
	150	59.0	10,610	61.4	10,620	63.4	10,640										
	160	56.5	9,170	58.8	9,180	60.9	9,200										
	170	53.9	7,920	56.2	7,930	58.2	7,940										
	180	51.2	6,810	53.5	6,820	55.4	6,840										
	190	48.4	5,840	50.6	5,850	52.5	5,870										
	200	45.4	4,970	47.6	4,980	49.4	5,000										

**TEREX®**



LOAD CHART

HC 165

With 77SI Hammerhead Tip Boom and 102,000 Pound Upper Counterweight #16HL Jib

102,000 lb								360°								ANSI B 30.5															
80' Jib length																															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)								
	46	83.0	17,280*	-	-	-	-		49	82.9	17,060*	-	-	-	-		49	82.9	17,060*	-	-	-	-								
	50	82.2	16,980*	-	-	-	-		50	82.7	17,020*	-	-	-	-		50	82.7	17,020*	-	-	-	-								
	60	80.1	16,300*	82.9	14,140*	-	-		60	80.8	16,350*	-	-	-	-		60	80.8	16,350*	-	-	-	-								
	70	78.0	15,680*	80.8	13,680*	-	-		70	78.8	15,760*	81.4	13,700*	-	-		70	78.8	15,760*	81.4	13,700*	-	-								
	80	75.9	15,040*	78.7	13,290*	81.2	11,670*		80	76.9	15,220*	79.4	13,320*	81.8	11,670*		80	76.9	15,220*	79.4	13,320*	81.8	11,670*								
	90	73.8	14,490*	76.5	12,790*	79.1	11,250*		90	74.9	14,670*	77.5	12,940*	79.8	11,310*		90	74.9	14,670*	77.5	12,940*	79.8	11,310*								
	100	71.7	13,980*	74.4	12,330*	76.9	10,910*		100	72.9	14,210*	75.5	12,460*	77.8	10,970*		100	72.9	14,210*	75.5	12,460*	77.8	10,970*								
	110	69.5	13,550*	72.2	11,890*	74.7	10,610*		110	70.9	13,700*	73.4	12,000*	75.8	10,670*		110	70.9	13,700*	73.4	12,000*	75.8	10,670*								
200'	120	67.3	13,050*	70.0	11,440*	72.4	10,320*	220'	120	68.9	13,280*	71.4	11,650*	73.7	10,400*		120	68.9	13,280*	71.4	11,650*	73.7	10,400*								
	130	65.0	12,490*	67.7	11,120*	70.1	10,090*		130	66.8	12,830*	69.3	11,250*	71.6	10,130*		130	66.8	12,830*	69.3	11,250*	71.6	10,130*								
	140	62.8	12,030*	65.4	10,780*	67.8	9,860*		140	64.7	11,570*	67.2	10,920*	69.4	9,920*		140	64.7	11,570*	67.2	10,920*	69.4	9,920*								
	150	60.4	10,800	63.0	10,480*	65.4	9,650*		150	62.6	9,910	65.0	9,920	67.2	9,730*		150	62.6	9,910	65.0	9,920	67.2	9,730*								
	160	58.0	9,360	60.6	9,370	62.9	9,390		160	60.4	8,460	62.8	8,470	65.0	8,480		160	60.4	8,460	62.8	8,470	65.0	8,480								
	170	55.6	8,100	58.1	8,110	60.4	8,130		170	58.2	7,190	60.6	7,200	62.7	7,220		170	58.2	7,190	60.6	7,200	62.7	7,220								
	180	53.0	6,990	55.5	7,000	57.7	7,030		180	55.9	6,090	58.2	6,100	60.3	6,120		180	55.9	6,090	58.2	6,100	60.3	6,120								
	190	50.4	6,010	52.9	6,020	55.0	6,050		190	53.5	5,100	55.9	5,110	57.9	5,130		190	53.5	5,100	55.9	5,110	57.9	5,130								
	200	47.6	5,150	50.1	5,160	52.2	5,180		200	51.1	4,230	53.4	4,240	55.4	4,260		200	51.1	4,230	53.4	4,240	55.4	4,260								
									210	48.5	3,450	50.8	3,460	52.8	3,490		210	48.5	3,450	50.8	3,460	52.8	3,490								
									220	45.9	2,760	48.2	2,770	50.0	2,790		220	45.9	2,760	48.2	2,770	50.0	2,790								

	48	82.8	17,170*	-	-	-	-
	50	82.4	17,020*	-	-	-	-
	60	80.5	16,340*	-	-	-	-
	70	78.4	15,700*	81.1	13,690*	-	-
	80	76.4	15,120*	79.1	13,300*	81.5	11,660*
	90	74.4	14,600*	77.0	12,870*	79.5	11,310*
	100	72.3	14,100*	74.9	12,370*	77.4	10,970*
	110	70.2	13,610*	72.8	11,940*	75.2	10,650*
210'	120	68.1	13,210*	70.7	11,550*	73.1	10,360*
	130	66.0	12,700*	68.5	11,190*	70.9	10,140*
	140	63.8	12,020	66.3	10,840*	68.6	9,910*
	150	61.5	10,350	64.1	10,360	66.3	9,670*
	160	59.3	8,900	61.8	8,910	64.0	8,930
	170	56.9	7,640	59.4	7,650	61.6	7,670
	180	54.5	6,530	57.0	6,550	59.1	6,570
	190	52.0	5,560	54.4	5,570	56.5	5,590
	200	49.4	4,680	51.8	4,690	53.9	4,720
	210	46.7	3,910	49.1	3,920	51.1	3,940



LOAD CHART

HC 165

**With 77SI Hammerhead Tip Boom and 116,400 Pound Counterweight
#16HL Jib**

108,400 lb + 8,000 lb carbody counterweight								360°		ANSI B 30.5					
40' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
100'	26	82.8	32,000*	-	-	-	-	140'	31	82.8	32,000*	-	-	-	-
	30	81.2	32,000*	-	-	-	-		35	81.5	32,000*	-	-	-	-
	35	79.1	32,000*	81.8	32,000*	-	-		40	79.9	32,000*	82.0	32,000*	-	-
	40	77.0	32,000*	79.7	32,000*	82.3	32,000*		50	76.7	32,000*	78.8	32,000*	80.8	32,000*
	50	72.8	32,000*	75.5	32,000*	78.0	31,980*		60	73.4	32,000*	75.5	32,000*	77.4	31,210*
	60	68.5	32,000*	71.2	32,000*	73.6	28,600*		70	70.1	32,000*	72.2	32,000*	74.1	28,730*
	70	64.1	32,000*	66.7	31,930*	69.1	25,990*		80	66.7	32,000*	68.7	32,000*	70.6	26,600*
	80	59.4	32,000*	62.0	28,940*	64.3	23,950*		90	63.2	30,630	65.2	30,640	67.0	24,840*
	90	54.6	30,530*	57.1	26,570*	59.3	22,240*		100	59.6	26,220	61.6	26,230	63.3	23,430*
100	49.3	27,580*	51.8	24,610*	53.9	20,800*	110	55.8	22,690	57.8	22,700	59.5	22,110*		
110'	27	82.9	32,000*	-	-	-	-	150'	120	51.8	19,800	53.8	19,800	55.4	19,820
	30	81.7	32,000*	-	-	-	-		130	47.7	17,390	49.6	17,400	51.1	17,410
	35	79.8	32,000*	82.4	32,000*	-	-		140	43.2	15,360	45.0	15,360	46.5	15,380
	40	77.9	32,000*	80.4	32,000*	82.8	32,000*		32	82.9	32,000*	-	-	-	-
	50	74.0	32,000*	76.5	32,000*	78.9	32,000*		35	82.0	32,000*	-	-	-	-
	60	70.0	32,000*	72.5	32,000*	74.8	29,340*		40	80.5	32,000*	82.5	32,000*	-	-
	70	65.9	32,000*	68.4	32,000*	70.6	26,800*		50	77.4	32,000*	79.4	32,000*	81.3	32,000*
	80	61.7	32,000*	64.1	30,140*	66.3	24,700*		60	74.3	32,000*	76.3	32,000*	78.1	31,750*
	90	57.2	31,930	59.6	27,640*	61.7	22,940*		70	71.2	32,000*	73.1	32,000*	74.9	29,330*
100	52.6	27,520	54.9	25,570*	56.9	21,540*	80	68.0	32,000*	69.9	32,000*	71.7	27,220*		
110	47.5	24,000	49.8	23,870*	51.7	20,370*	90	64.7	30,250	66.6	30,260	68.3	25,420*		
120'	28	83.0	32,000*	-	-	-	-	160'	100	61.3	25,840	63.2	25,840	64.9	23,940*
	30	82.3	32,000*	-	-	-	-		110	57.8	22,300	59.7	22,300	61.3	22,310
	35	80.5	32,000*	82.8	32,000*	-	-		120	54.2	19,410	56.0	19,410	57.6	19,430
	40	78.7	32,000*	81.0	32,000*	-	-		130	50.4	17,000	52.2	17,000	53.7	17,010
	50	75.0	32,000*	77.4	32,000*	79.6	32,000*		140	46.3	14,960	48.1	14,970	49.5	14,980
	60	71.3	32,000*	73.6	32,000*	75.8	30,030*		150	41.9	13,220	43.7	13,230	45.0	13,240
	70	67.5	32,000*	69.8	32,000*	71.9	27,480*		33	82.9	32,000*	-	-	-	-
	80	63.6	32,000*	65.9	31,300*	67.9	25,380*		35	82.4	32,000*	-	-	-	-
	90	59.5	31,500	61.8	28,700*	63.8	23,650*		40	80.9	32,000*	82.8	32,000*	-	-
100	55.3	27,090	57.5	26,600*	59.4	22,160*	50	78.0	32,000*	79.9	32,000*	81.7	32,000*		
110	50.8	23,570	52.9	23,580	54.8	20,990*	60	75.1	32,000*	77.0	32,000*	78.8	32,000*		
120	45.9	20,680	48.1	20,690	49.8	19,920*	70	72.1	32,000*	74.0	32,000*	75.7	29,880*		
130'	30	82.7	32,000*	-	-	-	-	160'	80	69.1	32,000*	71.0	32,000*	72.7	27,770*
	35	81.0	32,000*	-	-	-	-		90	66.0	29,820	67.9	29,830	69.5	25,960*
	40	79.3	32,000*	81.6	32,000*	-	-		100	62.9	25,390	64.7	25,400	66.3	24,470*
	50	75.9	32,000*	78.1	32,000*	80.2	32,000*		110	59.6	21,860	61.4	21,870	63.0	21,880
	60	72.4	32,000*	74.6	32,000*	76.7	30,690*		120	56.2	18,960	58.0	18,970	59.5	18,980
	70	68.9	32,000*	71.1	32,000*	73.1	28,120*		130	52.7	16,550	54.4	16,550	55.9	16,560
	80	65.2	32,000*	67.4	32,000*	69.3	26,010*		140	49.0	14,510	50.7	14,510	52.1	14,520
	90	61.5	31,070	63.6	29,710*	65.5	24,290*		150	45.1	12,770	46.7	12,780	48.1	12,790
	100	57.6	26,660	59.7	26,660	61.5	22,770*		160	40.8	11,260	42.4	11,270	43.7	11,280
110	53.5	23,120	55.5	23,130	57.3	21,590*									
120	49.1	20,230	51.2	20,240	52.8	20,250									
130	44.5	17,830	46.5	17,830	48.0	17,840									

**TEREX®**



LOAD CHART

HC 165

With 77SI Hammerhead Tip Boom and 116,400 Pound Counterweight #16HL Jib

108,400 lb + 8,000 lb carbody counterweight								360°		ANSI B 30.5					
40' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
170'	34	83.0	32,000*	-	-	-	-	38	82.9	32,000*	-	-	-	-	-
	35	82.7	32,000*	-	-	-	-	40	82.4	32,000*	-	-	-	-	-
	40	81.4	32,000*	-	-	-	-	50	80.0	32,000*	81.6	32,000*	-	-	-
	50	78.6	32,000*	80.4	32,000*	82.1	32,000*	60	77.6	32,000*	79.2	32,000*	80.7	32,000*	-
	60	75.8	32,000*	77.6	32,000*	79.3	32,000*	70	75.2	32,000*	76.7	32,000*	78.2	31,700	-
	70	73.0	32,000*	74.8	32,000*	76.4	30,360*	80	72.7	32,000*	74.3	32,000*	75.7	29,610*	-
	80	70.2	32,000*	71.9	32,000*	73.5	28,290*	90	70.2	28,140	71.7	28,140	73.2	27,840*	-
	90	67.2	29,390	69.0	29,390	70.6	26,460*	100	67.7	23,710	69.2	23,710	70.6	23,720	-
	100	64.3	24,970	66.0	24,980	67.5	24,990	110	65.1	20,150	66.6	20,150	67.9	20,160	-
	110	61.2	21,430	62.9	21,430	64.4	21,440	120	62.4	17,240	63.9	17,250	65.2	17,260	-
	120	58.0	18,520	59.7	18,530	61.2	18,540	130	59.7	14,820	61.2	14,820	62.5	14,830	-
	130	54.8	16,110	56.4	16,110	57.9	16,120	140	56.9	12,780	58.3	12,780	59.6	12,800	-
	140	51.3	14,070	53.0	14,080	54.4	14,090	150	54.0	11,020	55.4	11,030	56.6	11,040	-
	150	47.7	12,320	49.3	12,330	50.7	12,340	160	50.9	9,510	52.4	9,510	53.6	9,530	-
160	43.9	10,820	45.5	10,830	46.7	10,840	170	47.8	8,190	49.2	8,200	50.3	8,210	-	
170	39.8	9,510	41.3	9,510	42.5	9,530	180	44.5	7,030	45.8	7,030	46.9	7,050	-	
								190	40.9	6,010	42.3	6,020	43.3	6,030	-
								200	37.1	5,100	38.4	5,110	39.3	5,120	-
180'	36	82.8	32,000*	-	-	-	-	39	83.0	32,000*	-	-	-	-	-
	40	81.8	32,000*	-	-	-	-	40	82.7	32,000*	-	-	-	-	-
	50	79.1	32,000*	80.9	32,000*	82.5	32,000*	50	80.4	32,000*	82.0	32,000*	-	-	-
	60	76.5	32,000*	78.2	32,000*	79.8	32,000*	60	78.1	32,000*	79.6	32,000*	81.1	32,000*	-
	70	73.8	32,000*	75.5	32,000*	77.1	30,790*	70	75.8	32,000*	77.3	32,000*	78.7	32,000*	-
	80	71.1	32,000*	72.8	32,000*	74.3	28,770*	80	73.4	32,000*	74.9	32,000*	76.3	30,050*	-
	90	68.3	28,960	70.0	28,960	71.5	26,980*	90	71.0	27,700	72.5	27,700	73.9	27,710	-
	100	65.5	24,530	67.2	24,530	68.7	24,540	100	68.6	23,270	70.1	23,270	71.4	23,280	-
	110	62.6	20,980	64.3	20,990	65.7	21,000	110	66.1	19,720	67.6	19,720	68.9	19,730	-
	120	59.6	18,080	61.3	18,080	62.7	18,100	120	63.6	16,810	65.0	16,810	66.3	16,820	-
	130	56.6	15,660	58.2	15,670	59.6	15,680	130	61.0	14,380	62.4	14,390	63.7	14,400	-
	140	53.4	13,620	55.0	13,630	56.3	13,640	140	58.4	12,330	59.8	12,340	61.0	12,350	-
	150	50.1	11,870	51.6	11,880	52.9	11,890	150	55.6	10,570	57.0	10,580	58.2	10,590	-
	160	46.6	10,360	48.1	10,370	49.3	10,380	160	52.8	9,060	54.2	9,060	55.3	9,080	-
170	42.8	9,040	44.3	9,050	45.5	9,060	170	49.8	7,740	51.2	7,740	52.3	7,760	-	
180	38.8	7,900	40.3	7,910	41.3	7,920	180	46.8	6,570	48.1	6,580	49.2	6,590	-	
								190	43.5	5,550	44.8	5,560	45.8	5,570	-
								200	40.0	4,640	41.3	4,650	42.3	4,660	-
								210	36.3	3,820	37.5	3,830	38.4	3,850	-
190'	37	82.9	32,000*	-	-	-	-	41	82.8	32,000*	-	-	-	-	-
	40	82.1	32,000*	-	-	-	-	50	80.8	32,000*	82.3	32,000*	-	-	-
	50	79.6	32,000*	81.3	32,000*	82.8	32,000*	60	78.6	32,000*	80.0	32,000*	81.4	32,000*	-
	60	77.1	32,000*	78.7	32,000*	80.3	32,000*	70	76.3	32,000*	77.8	32,000*	79.1	32,000*	-
	70	74.5	32,000*	76.2	32,000*	77.7	31,170*	80	74.1	32,000*	75.5	32,000*	76.8	30,460*	-
	80	71.9	32,000*	73.6	32,000*	75.0	29,160*	90	71.8	27,280	73.2	27,280	74.5	27,290	-
	90	69.3	28,530	70.9	28,530	72.4	27,430*	100	69.4	22,830	70.9	22,840	72.2	22,850	-
	100	66.6	24,100	68.2	24,100	69.7	24,110	110	67.1	19,280	68.5	19,290	69.8	19,300	-
	110	63.9	20,550	65.5	20,550	66.9	20,570	120	64.7	16,380	66.1	16,380	67.3	16,390	-
	120	61.1	17,650	62.7	17,650	64.0	17,660	130	62.2	13,940	63.6	13,950	64.8	13,960	-
	130	58.2	15,220	59.8	15,230	61.1	15,240	140	59.7	11,890	61.1	11,890	62.3	11,900	-
	140	55.2	13,180	56.8	13,180	58.1	13,190	150	57.1	10,140	58.5	10,140	59.6	10,150	-
	150	52.1	11,430	53.6	11,440	54.9	11,450	160	54.4	8,620	55.8	8,630	56.9	8,640	-
	160	48.9	9,920	50.4	9,930	51.6	9,940	170	51.7	7,290	53.0	7,290	54.1	7,300	-
170	45.5	8,600	46.9	8,600	48.1	8,620	180	48.8	6,130	50.1	6,130	51.2	6,150	-	
180	41.8	7,450	43.3	7,450	44.3	7,470	190	45.8	5,100	47.1	5,110	48.1	5,120	-	
190	37.9	6,420	39.3	6,430	40.3	6,450	200	42.6	4,180	43.9	4,190	44.8	4,200	-	
								210	39.2	3,370	40.5	3,370	41.3	3,390	-
								220	35.6	2,650	36.7	2,660	37.6	2,670	-



LOAD CHART

HC 165**With 77SI Hammerhead Tip Boom and 116,400 Pound Counterweight
#16HL Jib**

108,400 lb + 8,000 lb carbody counterweight								360°		ANSI B 30.5					
50' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
130'	32	82.7	32,000*	-	-	-	-	170'	37	82.8	32,000*	-	-	-	-
	35	81.8	32,000*	-	-	-	-		40	82.0	32,000*	-	-	-	-
	40	80.2	32,000*	82.8	29,150*	-	-		50	79.4	31,370*	81.5	28,420*	-	-
	50	77.0	30,830*	79.6	28,270*	82.1	26,350*		60	76.7	30,340*	78.9	27,770*	80.9	25,780*
	60	73.7	29,600*	76.3	27,480*	78.8	25,720*		70	74.0	29,470*	76.2	27,070*	78.2	25,250*
	70	70.4	28,670*	73.0	26,620*	75.4	23,990*		80	71.3	28,560*	73.4	26,440*	75.4	23,770*
	80	67.0	27,710*	69.5	26,010*	71.9	22,090*		90	68.5	27,780*	70.7	25,950*	72.6	22,250*
	90	63.5	26,850*	66.0	25,290*	68.3	20,610*		100	65.7	25,240	67.8	25,240	69.7	20,960*
	100	59.8	26,090*	62.3	23,680*	64.6	19,300*		110	62.8	21,690	64.9	21,700	66.8	19,890*
	110	56.1	23,410	58.5	22,060*	60.7	18,180*		120	59.9	18,800	61.9	18,810	63.7	18,820
120	52.1	20,520	54.6	20,520	56.7	17,250*	130	56.8	16,380	58.8	16,390	60.6	16,400		
130	47.9	18,110	50.3	18,120	52.3	16,520*	140	53.6	14,330	55.6	14,340	57.3	14,350		
140'	33	82.8	32,000*	-	-	-	-	180'	150	50.3	12,590	52.3	12,600	53.9	12,610
	35	82.2	32,000*	-	-	-	-		160	46.8	11,090	48.7	11,090	50.3	11,110
	40	80.7	32,000*	-	-	-	-		170	43.1	9,760	44.9	9,770	46.4	9,790
	50	77.7	30,900*	80.2	28,370*	82.5	26,340*		38	82.8	32,000*	-	-	-	-
	60	74.6	29,910*	77.1	27,590*	79.4	25,730*		40	82.3	32,000*	-	-	-	-
	70	71.4	28,870*	73.9	26,840*	76.2	24,370*		50	79.8	31,400*	81.9	28,460*	-	-
	80	68.2	27,940*	70.7	26,150*	72.9	22,550*		60	77.3	30,400*	79.4	27,770*	81.3	25,760*
	90	65.0	27,180*	67.4	25,490*	69.6	21,090*		70	74.7	29,540*	76.8	27,180*	78.7	25,300*
	100	61.6	26,330*	64.0	24,400*	66.1	19,780*		80	72.2	28,800*	74.2	26,610*	76.1	24,140*
	110	58.1	22,980	60.4	22,810*	62.5	18,700*		90	69.5	28,050*	71.5	26,030*	73.4	22,600*
120	54.4	20,080	56.8	20,090	58.8	17,730*	100	66.8	24,800	68.8	24,800	70.7	21,330*		
130	50.6	17,670	52.9	17,670	54.9	16,910*	110	64.1	21,250	66.1	21,260	67.9	20,270*		
140	46.6	15,640	48.8	15,650	50.7	15,660	120	61.3	18,350	63.3	18,350	65.0	18,360		
150'	34	82.9	32,000*	-	-	-	-	190'	130	58.4	15,920	60.4	15,930	62.1	15,940
	35	82.6	32,000*	-	-	-	-		140	55.4	13,890	57.4	13,890	59.0	13,910
	40	81.2	32,000*	-	-	-	-		150	52.3	12,130	54.2	12,140	55.8	12,150
	50	78.3	31,150*	80.7	28,380*	82.9	26,290*		160	49.1	10,620	51.0	10,630	52.5	10,640
	60	75.4	30,070*	77.7	27,630*	79.9	25,700*		170	45.7	9,310	47.5	9,310	49.0	9,330
	70	72.4	29,090*	74.7	26,860*	76.9	24,840*		180	42.1	8,160	43.8	8,160	45.2	8,180
	80	69.4	28,250*	71.7	26,310*	73.8	23,000*		39	82.9	32,000*	-	-	-	-
	90	66.3	27,440*	68.6	25,640*	70.7	21,460*		40	82.6	32,000*	-	-	-	-
	100	63.1	26,110	65.4	25,080*	67.5	20,230*		50	80.2	31,400*	82.2	28,430*	-	-
	110	59.9	22,580	62.1	22,590	64.1	19,050*		60	77.8	30,600*	79.8	27,810*	81.7	25,690*
120	56.5	19,680	58.7	19,690	60.7	18,080*	70	75.4	29,700*	77.4	27,180*	79.2	25,250*		
130	52.9	17,270	55.1	17,270	57.0	17,290	80	72.9	28,930*	74.9	26,670*	76.7	24,500*		
140	49.2	15,240	51.4	15,240	53.2	15,260	90	70.4	28,210*	72.3	26,110*	74.1	23,030*		
150	45.3	13,490	47.4	13,500	49.1	13,510	100	67.9	24,370	69.8	24,370	71.5	21,680*		
160'	35	83.0	32,000*	-	-	-	-	200'	110	65.3	20,820	67.2	20,820	68.9	20,600*
	40	81.6	32,000*	-	-	-	-		120	62.6	17,910	64.5	17,920	66.2	17,930
	50	78.8	31,260*	81.1	28,390*	-	-		130	59.9	15,490	61.8	15,500	63.4	15,510
	60	76.1	30,270*	78.3	27,640*	80.4	25,770*		140	57.1	13,440	58.9	13,450	60.5	13,460
	70	73.3	29,280*	75.5	26,960*	77.6	25,200*		150	54.2	11,690	56.0	11,700	57.6	11,710
	80	70.4	28,410*	72.6	26,360*	74.7	23,360*		160	51.1	10,170	53.0	10,180	54.5	10,190
	90	67.5	27,590*	69.7	25,740*	71.7	21,860*		170	48.0	8,850	49.8	8,860	51.2	8,870
	100	64.5	25,670	66.7	25,230*	68.6	20,580*		180	44.7	7,700	46.4	7,700	47.8	7,720
	110	61.4	22,140	63.6	22,140	65.5	19,500*		190	41.1	6,680	42.8	6,690	44.1	6,710
	120	58.3	19,230	60.4	19,240	62.3	18,540*								
130	55.0	16,820	57.1	16,820	58.9	16,840									
140	51.6	14,770	53.6	14,780	55.4	14,790									
150	48.0	13,030	50.0	13,040	51.7	13,060									
160	44.1	11,530	46.1	11,540	47.7	11,560									

**TEREX®**



LOAD CHART

HC 165

**With 77SI Hammerhead Tip Boom and 116,400 Pound Counterweight
#16HL Jib**

108,400 lb + 8,000 lb carbody counterweight								360°		ANSI B 30.5					
50' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
200'	40	82.9	32,000*	-	-	-	-	43	82.8	31,930*	-	-	-	-	
	50	80.6	31,470*	82.6	28,410*	-	-	50	81.3	31,440*	-	-	-	-	
	60	78.3	30,630*	80.2	27,840*	82.0	25,690*	60	79.2	30,650*	81.0	27,690*	82.6	25,540*	
	70	76.0	29,840*	77.9	27,180*	79.6	25,260*	70	77.0	29,940*	78.8	27,190*	80.4	25,170*	
	80	73.6	29,060*	75.5	26,630*	77.2	24,750*	80	74.9	29,220*	76.6	26,760*	78.2	24,830*	
	90	71.2	28,370*	73.1	26,200*	74.8	23,280*	90	72.7	27,540*	74.4	26,200*	76.0	23,890*	
	100	68.8	23,970	70.6	23,970	72.3	22,010*	100	70.4	23,100	72.1	23,100	73.7	22,600*	
	110	66.3	20,410	68.1	20,410	69.8	20,420	110	68.2	19,530	69.9	19,540	71.4	19,550	
	120	63.8	17,500	65.6	17,510	67.2	17,520	120	65.9	16,620	67.6	16,630	69.1	16,640	
	130	61.2	15,070	63.0	15,080	64.6	15,090	130	63.5	14,200	65.2	14,200	66.7	14,220	
	140	58.5	13,030	60.3	13,040	61.9	13,050	140	61.1	12,140	62.8	12,150	64.3	12,160	
	150	55.8	11,270	57.6	11,280	59.1	11,290	150	58.7	10,380	60.3	10,390	61.8	10,400	
	160	53.0	9,760	54.7	9,770	56.2	9,780	160	56.1	8,860	57.8	8,870	59.2	8,880	
	170	50.0	8,440	51.8	8,440	53.2	8,460	170	53.5	7,540	55.1	7,540	56.5	7,560	
	180	47.0	7,280	48.7	7,290	50.0	7,300	180	50.8	6,370	52.4	6,380	53.8	6,400	
	190	43.7	6,260	45.4	6,270	46.7	6,280	190	48.0	5,350	49.6	5,350	50.9	5,370	
200	40.2	5,340	41.9	5,350	43.1	5,370	200	45.1	4,430	46.6	4,440	47.8	4,460		
								210	42.0	3,610	43.5	3,620	44.6	3,640	
								220	38.6	2,880	40.1	2,890	41.2	2,910	

60' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
150'	36	82.9	29,880*	-	-	-	-	37	83.0	29,680*	-	-	-	-	
	40	81.8	29,420*	-	-	-	-	40	82.2	29,340*	-	-	-	-	
	50	79.1	28,200*	81.8	25,510*	-	-	50	79.6	28,330*	82.2	25,530*	-	-	
	60	76.3	27,270*	79.0	24,810*	81.6	22,830*	60	76.9	27,340*	79.5	24,790*	82.0	22,830*	
	70	73.5	26,260*	76.2	24,010*	78.7	21,680*	70	74.3	26,490*	76.8	24,170*	79.3	21,980*	
	80	70.6	25,410*	73.3	23,400*	75.8	20,150*	80	71.5	25,550*	74.1	23,460*	76.5	20,440*	
	90	67.7	24,590*	70.4	22,830*	72.8	18,770*	90	68.8	24,830*	71.3	22,930*	73.7	19,080*	
	100	64.7	23,830*	67.4	21,900*	69.8	17,590*	100	65.9	24,100*	68.5	22,370*	70.8	17,960*	
	110	61.7	22,830	64.3	20,430*	66.6	16,600*	110	63.1	22,380	65.6	21,000*	67.8	16,910*	
	120	58.5	19,930	61.1	19,150*	63.4	15,730*	120	60.1	19,480	62.6	19,490	64.8	16,060*	
	130	55.2	17,520	57.8	17,520	60.0	15,020*	130	57.0	17,070	59.5	17,080	61.6	15,300*	
	140	51.8	15,470	54.3	15,480	56.5	14,350*	140	53.8	15,020	56.3	15,030	58.4	14,600*	
	150	48.2	13,740	50.7	13,740	52.8	13,760	150	50.5	13,280	52.9	13,290	54.9	13,310	
									160	47.0	11,780	49.3	11,780	51.3	11,800



LOAD CHART

HC 165**With 77SI Hammerhead Tip Boom and 116,400 Pound Counterweight
#16HL Jib**

108,400 lb + 8,000 lb carbody counterweight								360°		ANSI B 30.5					
60' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
170'	39	82.8	29,550*	-	-	-	-	42	83.0	29,200*	-	-	-	-	
	40	82.5	29,420*	-	-	-	-	50	81.2	28,520*	-	-	-	-	
	50	80.0	28,470*	82.5	25,510*	-	-	60	79.0	27,660*	81.2	24,800*	-	-	
	60	77.5	27,490*	80.0	24,890*	82.3	22,760*	70	76.7	26,840*	78.9	24,240*	81.0	22,240*	
	70	75.0	26,600*	77.4	24,230*	79.7	22,280*	80	74.4	26,140*	76.6	23,710*	78.7	21,460*	
	80	72.4	25,710*	74.8	23,620*	77.1	20,740*	90	72.2	25,420*	74.3	23,200*	76.3	20,160*	
	90	69.7	24,950*	72.2	23,000*	74.4	19,370*	100	69.8	24,210	72.0	22,720*	74.0	19,010*	
	100	67.1	24,260*	69.5	22,450*	71.7	18,210*	110	67.5	20,650	69.6	20,660	71.5	18,020*	
	110	64.3	21,950	66.7	21,540*	68.9	17,260*	120	65.1	17,750	67.2	17,750	69.1	17,170*	
	120	61.5	19,050	63.9	19,050	66.0	16,350*	130	62.6	15,320	64.7	15,330	66.6	15,340	
	130	58.6	16,620	61.0	16,630	63.1	15,610*	140	60.1	13,270	62.2	13,280	64.0	13,290	
	140	55.6	14,590	58.0	14,590	60.0	14,610	150	57.5	11,520	59.6	11,530	61.4	11,540	
150	52.5	12,830	54.8	12,840	56.8	12,860	160	54.8	10,000	56.9	10,010	58.6	10,020		
160	49.3	11,320	51.6	11,330	53.5	11,350	170	52.1	8,680	54.1	8,680	55.8	8,700		
170	45.9	10,010	48.1	10,010	50.0	10,030	180	49.2	7,520	51.2	7,530	52.8	7,540		
							190	46.2	6,480	48.1	6,490	49.7	6,510		
							200	43.0	5,570	44.9	5,580	46.4	5,600		
180'	40	82.8	29,390*	-	-	-	-	44	82.8	28,980*	-	-	-	-	
	50	80.5	28,490*	82.8	25,460*	-	-	50	81.5	28,460*	-	-	-	-	
	60	78.0	27,500*	80.4	24,870*	82.7	22,780*	60	79.4	27,680*	81.5	24,860*	-	-	
	70	75.6	26,720*	78.0	24,200*	80.2	22,270*	70	77.2	26,940*	79.3	24,250*	81.3	22,180*	
	80	73.1	25,890*	75.5	23,680*	77.7	20,950*	80	75.0	26,190*	77.1	23,760*	79.1	21,670*	
	90	70.6	25,140*	72.9	23,110*	75.1	19,680*	90	72.8	25,480*	74.9	23,320*	76.9	20,370*	
	100	68.1	24,420*	70.4	22,610*	72.5	18,550*	100	70.6	23,770	72.7	22,760*	74.6	19,280*	
	110	65.5	21,500	67.8	21,500	69.9	17,550*	110	68.3	20,210	70.4	20,220	72.3	18,300*	
	120	62.8	18,590	65.1	18,600	67.1	16,680*	120	66.0	17,300	68.1	17,310	69.9	17,330	
	130	60.1	16,170	62.3	16,180	64.4	15,900*	130	63.7	14,880	65.7	14,890	67.5	14,900	
	140	57.3	14,130	59.5	14,140	61.5	14,150	140	61.3	12,820	63.3	12,830	65.1	12,850	
	150	54.4	12,370	56.6	12,380	58.5	12,400	150	58.8	11,060	60.8	11,070	62.6	11,080	
160	51.4	10,860	53.5	10,870	55.4	10,880	160	56.3	9,540	58.3	9,550	60.0	9,570		
170	48.2	9,540	50.3	9,550	52.1	9,570	170	53.7	8,220	55.7	8,230	57.3	8,240		
180	44.9	8,390	47.0	8,400	48.7	8,410	180	51.0	7,050	52.9	7,060	54.6	7,080		
190'	41	82.9	29,340*	-	-	-	-	190	48.2	6,030	50.1	6,030	51.7	6,050	
	50	80.8	28,440*	-	-	-	-	200	45.2	5,110	47.1	5,120	48.6	5,140	
	60	78.5	27,630*	80.8	24,900*	83.0	22,650*	210	42.1	4,290	44.0	4,300	45.4	4,320	
	70	76.2	26,830*	78.5	24,270*	80.6	22,300*	45	82.8	28,830*	-	-	-	-	
	80	73.8	26,070*	76.1	23,740*	78.2	21,250*	50	81.8	28,440*	-	-	-	-	
	90	71.4	25,330*	73.7	23,150*	75.7	19,930*	60	79.8	27,700*	81.8	24,750*	-	-	
	100	69.0	24,620	71.2	22,660*	73.3	18,790*	70	77.7	26,930*	79.7	24,220*	81.6	22,110*	
	110	66.5	21,060	68.7	21,060	70.7	17,770*	80	75.6	26,240*	77.6	23,770*	79.5	21,790*	
	120	64.0	18,150	66.2	18,160	68.2	16,920*	90	73.5	25,640*	75.5	23,340*	77.4	20,620*	
	130	61.4	15,730	63.6	15,740	65.5	15,760	100	71.3	23,340	73.3	22,800*	75.2	19,460*	
	140	58.7	13,680	60.9	13,690	62.8	13,710	110	69.1	19,780	71.1	19,790	73.0	18,550*	
	150	56.0	11,920	58.1	11,930	60.0	11,950	120	66.9	16,860	68.9	16,870	70.7	16,880	
160	53.2	10,410	55.3	10,420	57.1	10,430	130	64.7	14,440	66.7	14,440	68.4	14,460		
170	50.2	9,100	52.3	9,110	54.1	9,120	140	62.4	12,380	64.4	12,390	66.1	12,400		
180	47.1	7,930	49.2	7,940	50.9	7,960	150	60.1	10,630	62.0	10,630	63.7	10,650		
190	43.9	6,910	45.9	6,920	47.5	6,940	160	57.7	9,110	59.6	9,110	61.3	9,130		
200'								170	55.2	7,780	57.1	7,790	58.7	7,800	
								180	52.7	6,600	54.5	6,610	56.1	6,630	
								190	50.0	5,570	51.9	5,580	53.4	5,600	
								200	47.3	4,660	49.1	4,660	50.6	4,680	
								210	44.4	3,840	46.2	3,850	47.6	3,870	
								220	41.3	3,110	43.1	3,120	44.4	3,140	

**TEREX®**



LOAD CHART

HC 165

**With 77SI Hammerhead Tip Boom and 116,400 Pound Counterweight
#16HL Jib**

108,400 lb + 8,000 lb carbody counterweight								360°		ANSI B 30.5					
70' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
180'	42	82.9	22,100*	-	-	-	-		46	82.8	21,850*	-	-	-	-
	50	81.0	21,480*	-	-	-	-		50	82.0	21,570*	-	-	-	-
	60	78.7	20,700*	81.4	18,390*	-	-		60	79.9	20,860*	82.3	18,390*	-	-
	70	76.4	19,940*	79.0	17,870*	81.6	16,230*		70	77.9	20,190*	80.2	17,940*	82.5	16,200*
	80	74.0	19,280*	76.7	17,350*	79.2	15,900*		80	75.8	19,560*	78.1	17,500*	80.4	15,850*
	90	71.6	18,640*	74.2	16,860*	76.7	15,440*		90	73.6	18,950*	76.0	17,000*	78.2	15,570*
	100	69.2	18,040*	71.8	16,440*	74.2	15,020*		100	71.5	18,420*	73.8	16,600*	76.0	15,140*
	110	66.7	17,450*	69.3	15,970*	71.7	14,620*		110	69.3	17,850*	71.7	16,200*	73.8	14,790*
	120	64.2	16,970*	66.8	15,470*	69.1	14,280*		120	67.1	17,400*	69.4	15,870*	71.6	14,440*
	130	61.6	16,370	64.1	15,050*	66.5	13,780*		130	64.9	15,080	67.2	15,080	69.3	14,160*
	140	58.9	14,330	61.5	14,340	63.7	13,200*		140	62.6	13,020	64.9	13,030	66.9	13,050
	150	56.2	12,570	58.7	12,580	60.9	12,600		150	60.2	11,270	62.5	11,280	64.5	11,290
160	53.4	11,060	55.9	11,070	58.0	11,090		160	57.8	9,750	60.1	9,760	62.1	9,770	
170	50.4	9,750	52.9	9,760	55.0	9,780		170	55.4	8,420	57.6	8,430	59.5	8,450	
	180	47.3	8,580	49.8	8,590	51.8	8,610		180	52.8	7,250	55.0	7,260	56.9	7,280
									190	50.2	6,220	52.4	6,230	54.2	6,250
									200	47.4	5,310	49.6	5,320	51.4	5,340
									210	44.6	4,480	46.7	4,490	48.4	4,520



LOAD CHART

HC 165

**With 77SI Hammerhead Tip Boom and 116,400 Pound Counterweight
#16HL Jib**

108,400 lb + 8,000 lb carbody counterweight								360°				ANSI B 30.5			
80' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset		15.0 Deg offset		25.0 Deg offset		Boom length	Jib Radius (Feet)	5.0 Deg offset		15.0 Deg offset		25.0 Deg offset	
		Boom Angle	Rating (Pounds)	Boom Angle	Rating (Pounds)	Boom Angle	Rating (Pounds)			Boom Angle	Rating (Pounds)	Boom Angle	Rating (Pounds)	Boom Angle	Rating (Pounds)
200'	46	83.0	17,270*	-	-	-	-	49	82.9	17,050*	-	-	-	-	
	50	82.2	16,970*	-	-	-	-	50	82.7	17,020*	-	-	-	-	
	60	80.1	16,290*	82.9	14,140*	-	-	60	80.8	16,340*	-	-	-	-	
	70	78.0	15,670*	80.8	13,670*	-	-	70	78.8	15,740*	81.4	13,690*	-	-	
	80	75.9	15,090*	78.7	13,280*	81.2	11,660*	80	76.9	15,200*	79.4	13,310*	81.8	11,660*	
	90	73.8	14,540*	76.5	12,780*	79.1	11,300*	90	74.9	14,660*	77.5	12,920*	79.8	11,300*	
	100	71.7	14,020*	74.4	12,320*	76.9	10,950*	100	72.9	14,190*	75.5	12,440*	77.8	10,960*	
	110	69.5	13,530*	72.2	11,880*	74.7	10,600*	110	70.9	13,750*	73.4	12,040*	75.8	10,660*	
	120	67.3	13,030*	70.0	11,480*	72.4	10,340*	120	68.9	13,320*	71.4	11,630*	73.7	10,390*	
	130	65.0	12,530*	67.7	11,100*	70.1	10,080*	130	66.8	12,810*	69.3	11,250*	71.6	10,160*	
	140	62.8	12,070*	65.4	10,760*	67.8	9,840*	140	64.7	12,370*	67.2	10,950*	69.4	9,950*	
	150	60.4	11,630*	63.0	10,460*	65.4	9,630*	150	62.6	11,020*	65.0	10,620*	67.2	9,720*	
	160	58.0	10,390	60.6	10,200*	62.9	9,480*	160	60.4	9,500	62.8	9,510	65.0	9,520	
	170	55.6	9,060	58.1	9,070	60.4	9,090	170	58.2	8,160	60.6	8,170	62.7	8,190	
	180	53.0	7,890	55.5	7,900	57.7	7,930	180	55.9	7,000	58.2	7,010	60.3	7,030	
	190	50.4	6,860	52.9	6,870	55.0	6,900	190	53.5	5,960	55.9	5,970	57.9	5,990	
	200	47.6	5,950	50.1	5,960	52.2	5,980	200	51.1	5,040	53.4	5,050	55.4	5,070	
	210'	48	82.8	17,160*	-	-	-	-	210	48.5	4,210	50.8	4,220	52.8	4,250
50		82.4	17,010*	-	-	-	-	220	45.9	3,480	48.2	3,490	50.0	3,510	
60		80.5	16,330*	-	-	-	-								
70		78.4	15,690*	81.1	13,680*	-	-								
80		76.4	15,110*	79.1	13,290*	81.5	11,650*								
90		74.4	14,590*	77.0	12,850*	79.5	11,300*								
100		72.3	14,080*	74.9	12,410*	77.4	10,960*								
110		70.2	13,650*	72.8	11,930*	75.2	10,630*								
120		68.1	13,190*	70.7	11,540*	73.1	10,380*								
130		66.0	12,680*	68.5	11,170*	70.9	10,120*								
140		63.8	12,180*	66.3	10,870*	68.6	9,900*								
150		61.5	11,460	64.1	10,570*	66.3	9,690*								
160		59.3	9,940	61.8	9,950	64.0	9,490*								
170		56.9	8,610	59.4	8,620	61.6	8,640								
180		54.5	7,440	57.0	7,460	59.1	7,480								
190		52.0	6,410	54.4	6,420	56.5	6,440								
200		49.4	5,490	51.8	5,500	53.9	5,530								
210		46.7	4,670	49.1	4,680	51.1	4,700								



NOTES TO LIFTING CAPACITY

HC 165

Warning

This rating chart is invalid if the crane has been modified or altered by use of other than GENUINE AMERICAN PARTS as such modifications or alterations may affect its capacity or safe operation. See American Crane Corporation Service Bulliten #259.

Ratings in this chart are in POUNDS and do not exceed the percentage of tipping specified for this crane by ANSI B30.5. All ratings require that the crane be standing level on a firm uniformly supporting surface.

Do not lift loads in excess of those shown on this chart. Lifting loads in excess of those shown or operation not in accordance with good operating practice, including limitations shown on page 3499 of Operator's Manual, can cause tipping, structural damage or catastrophic failure.

Asterisk (*) areas on this chart indicate ratings which are limited by strength of material or factors other than stability (tipping).

„JIB RADIUS IN FEET“ is the horizontal distance at ground level from the crane centerline of rotation to a vertical line through the center of gravity of the suspended load.

When using the main boom fall with jib in place, the main fall ratings must be reduced by the jib effective weight shown on the jib rating chart plus twice the weight of all suspended blocks, slings, rope, etc., at the jib fall. See Appendix A.

Blocks, slings, buckets and other load carrying devices are considered part of the load. The weight of standard hoisting ropes for the rating at a given radius has been calculated as part of the boom point load and need not be considered in determining net allowable loads. See Appendix A.

Ratings shown on this chart make no allowance for such factors as out of plumb loads, wind, poor soil conditions, improper inflation of rubber tires and dynamic effects due to excessive operating speeds. The user (operator) must exercise judgement to make allowance for these conditions. See page 3499 of Operator's Manual for detailed information.

No account is taken of the wind force on the load. This effect, which can be substantial for loads with large surface areas, must be considered by the user. In any wind it is strongly recommended that taglines be used to control the load.

BOOM HOIST LINE is 14 parts of 7/8 inch diameter EIPS wire rope with a minimum breaking strength of 79,600 pound.

PENDANT SUSPENSION LINE is 4 parts of 1.375 inch diameter EEIPS wire rope with a minimum breaking strength of 211,000 pound.

JIB BACKSTAY LINE AND FRONTSTAY LINES are 2 parts of 0.875 inch diameter wire rope with a minimum breaking strength of 69,200 pound.

WHIP LINE – 1.125 inch diameter EIPS wire rope with a minimum breaking strength of 130,000 pound or

ALTERNATE WHIP LINE (ROTATION RESISTANT) – 1.125 inch diameter BRIDON ENDURANCE DYFORM 34LR Grade 2160 wire rope with a minimum breaking strength of 167,200 pound.

ERECTION

Erection „OVER THE END“ is with the boom over the idler end with idler tumblers blocked (See operator's manual for blocking instructions).

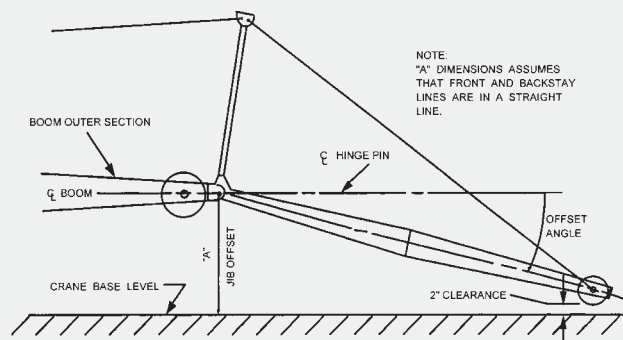
Erection „OVER THE SIDE“ is with the boom 90° to the sideframes and with the side frames extended. Blocks, slings and other load carrying devices must be on the ground during erection.

LOAD HOISTING INFORMATION - 1.125 inch diameter EIPS wire rope			
MAXIMUM LIFTING CAPACITY - LBS.	MINIMUM PARTS OF LINE	MAXIMUM HOISTING DISTANCE - FT	
		MAIN (FRONT)	AUX. (REAR)
32,000	1	1,312	1,312

LOAD HOISTING INFORMATION (ROTATION RESISTANT LOAD LINE)			
1.125 inch diameter BRIDON ENDURANCE DYFORM 34LR Grade 2160 wire rope			
MAXIMUM LIFTING CAPACITY - LBS.	MINIMUM PARTS OF LINE	MAXIMUM HOISTING DISTANCE - FEET	
		MAIN (FRONT)	AUX. (REAR)
32,000	1	1,312	1,312

77SI HAMMERHEAD BOOM COMPOSITION CHART							
BOOM LENGTH (METERS)	BOOM LENGTH (FEET)	BOOM SECTIONS					
		9.1 M 30' 77SI INNER	3.0 M 10' 77S CENTER	6.1 M 20' 77S CENTER	15.2 M 50' 77S CENTER	5.9 M 19.5' 77HL OUTER	0 M 0' HAMMER HEAD
15.2 M	50	1	0	0	0	1	1
16.3 M	60	1	1	0	0	1	1
21.3 M	70	1	0	1	0	1	1
24.4 M	80	1	1	1	0	1	1
27.4 M	90	1	0	2	0	1	1
30.5 M	100	1	0	0	1	1	1
33.5 M	110	1	1	0	1	1	1
36.6 M	120	1	0	1	1	1	1
39.6 M	130	1	1	1	1	1	1
42.7 M	140	1	0	2	1	1	1
45.7 M	150	1	0	0	2	1	1
48.8 M	160	1	1	0	2	1	1
51.8 M	170	1	0	1	2	1	1
54.9 M	180	1	1	1	2	1	1
57.9 M	190	1	0	2	2	1	1
61.0 M	200	1	0	0	3	1	1
64.0 M	210	1	1	0	3	1	1
67.1 M	220	1	0	1	3	1	1
70.1 M	230	1	1	1	3	1	1
73.2 M	240	1	0	2	3	1	1

77SI HAMMERHEAD BOOM MAXIMUM BOOM & JIB SELF-ERECTION DATA				
	OVER THE END		OVER THE SIDE	
	BOOM LENGTH (FEET)	JIB LENGTH (FEET)	BOOM LENGTH (FEET)	JIB LENGTH (FEET)
#16HL JIB	240	0	220	0
	230	0	210	40
	220	80	200	80



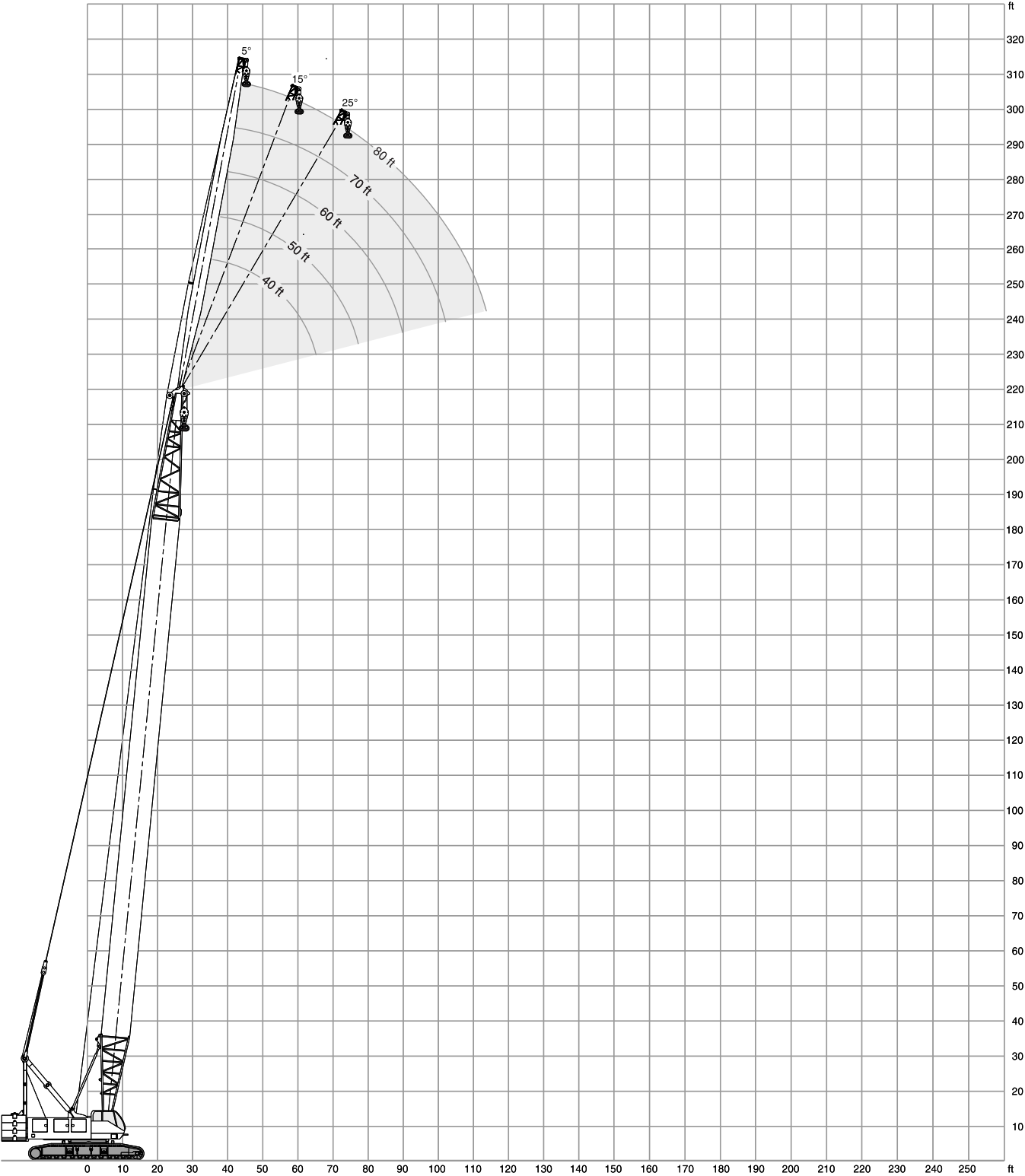
#16HL JIB COMPOSITION CHART								
JIB LENGTH (FEET)	20' INNER	10' CENTER	20' CENTER	20' OUTER	EFF. JIB WEIGHT (POUNDS)	JIB OFFSET "A" IN FEET		
						5°	15°	25°
40	1	0	0	1	1,500	4'-10"	10'- 2"	15'- 1"
50	1	1	0	1	2,050	5'- 8"	12'- 1"	18'- 3"
60	1	0	1	1	2,600	6'- 6"	13'-10"	21'- 2"
70	1	1	1	1	3,150	7'- 1"	15'-10"	24'- 4"
80	1	0	2	1	3,700	7'- 9"	17'- 8"	27'- 4"



RANGE DIAGRAM

HC 165

77SI Offset Tip Boom, #16HL Jib





LOAD CHART

HC 165**With 77SI Offset Tip Boom and 102,000 Pound Upper Counterweight
#16HL Jib**

102,000 lb				360°				ANSI B 30.5									
40' Jib length																	
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)		
100'	31	80.6	32,000*	-	-	-	-	140'	37	80.8	32,000*	-	-	-	-		
	35	78.9	32,000*	-	-	-	-		40	79.8	32,000*	-	-	-	-		
	40	76.9	32,000*	79.6	32,000*	-	-		50	76.6	32,000*	78.7	32,000*	80.7	32,000*		
	50	72.6	32,000*	75.3	32,000*	77.8	31,510*		60	73.3	32,000*	75.4	32,000*	77.3	30,910*		
	60	68.3	32,000*	71.0	32,000*	73.4	28,280*		70	69.9	32,000*	72.0	32,000*	73.9	28,450*		
	70	63.8	32,000*	66.4	31,740*	68.8	25,680*		80	66.5	32,000*	68.6	32,000*	70.4	26,350*		
	80	59.2	32,000*	61.7	28,780*	64.0	23,630*		90	63.0	30,350	65.0	30,350	66.8	24,570*		
	90	54.2	30,280*	56.8	26,380*	59.0	21,980*		100	59.3	26,180	61.3	26,180	63.1	23,090*		
	100	49.0	27,480*	51.4	24,450*	53.5	20,650*		110	55.6	22,830	57.5	22,830	59.2	21,890*		
110'	32	80.8	32,000*	-	-	-	-	150'	120	51.6	20,090	53.5	20,100	55.1	20,110		
	35	79.7	32,000*	-	-	-	-		130	47.4	17,820	49.2	17,830	50.8	17,840		
	40	77.7	32,000*	80.3	32,000*	-	-		140	42.8	15,900	44.7	15,910	46.1	15,920		
	50	73.8	32,000*	76.3	32,000*	78.7	32,000*			38	81.0	32,000*	-	-	-	-	
	60	69.8	32,000*	72.3	32,000*	74.6	28,980*			40	80.3	32,000*	-	-	-	-	
	70	65.7	32,000*	68.1	32,000*	70.4	26,500*			50	77.3	32,000*	79.3	32,000*	-	-	
80	61.4	32,000*	63.8	30,030*	66.0	24,370*	60	74.2		32,000*	76.2	32,000*	78.0	31,480*			
120'	90	57.0	31,470	59.3	27,580*	61.4	22,710*		70	71.0	32,000*	73.0	32,000*	74.8	28,990*		
	100	52.2	27,310	54.6	25,450*	56.6	21,280*		80	67.8	32,000*	69.8	32,000*	71.5	26,990*		
	110	47.2	23,980	49.5	23,790*	51.4	20,120*		90	64.5	29,960	66.4	29,960	68.2	25,210*		
	34	80.7	32,000*	-	-	-	-		100	61.1	25,770	63.0	25,780	64.7	23,680*		
	35	80.3	32,000*	-	-	-	-		110	57.6	22,430	59.5	22,440	61.1	22,430*		
	40	78.5	32,000*	80.9	32,000*	-	-		120	53.9	19,690	55.8	19,700	57.4	19,710		
130'	50	74.9	32,000*	77.2	32,000*	79.4	32,000*		130	50.1	17,410	51.9	17,420	53.4	17,430		
	60	71.1	32,000*	73.5	32,000*	75.6	29,690*		140	46.0	15,490	47.8	15,500	49.2	15,510		
	70	67.3	32,000*	69.6	32,000*	71.7	27,140*		150	41.6	13,850	43.3	13,850	44.7	13,870		
	80	63.4	32,000*	65.6	31,170*	67.7	25,050*		160'	40	80.8	32,000*	-	-	-	-	
	90	59.3	31,090	61.5	28,640*	63.5	23,330*			50	77.9	32,000*	79.8	32,000*	-	-	
	100	55.0	26,920	57.2	26,480*	59.1	21,910*			60	75.0	32,000*	76.9	32,000*	78.6	31,940*	
110	50.4	23,590	52.6	23,590	54.5	20,730*	70	72.0		32,000*	73.9	32,000*	75.6	29,580*			
120	45.6	20,860	47.7	20,870	49.4	19,770*	80	69.0		32,000*	70.8	32,000*	72.5	27,520*			
140'	35	80.9	32,000*	-	-	-	-			90	65.9	29,540	67.7	29,550	69.4	25,740*	
	40	79.2	32,000*	-	-	-	-		100	62.7	25,360	64.5	25,360	66.1	24,220*		
	50	75.8	32,000*	78.0	32,000*	80.1	32,000*		110	59.4	22,010	61.2	22,020	62.8	22,030		
	60	72.3	32,000*	74.5	32,000*	76.5	30,320*		170'	120	56.0	19,280	57.8	19,280	59.3	19,290	
	70	68.7	32,000*	70.9	32,000*	72.9	27,880*			130	52.5	16,990	54.2	17,000	55.7	17,010	
	80	65.0	32,000*	67.2	32,000*	69.2	25,790*			140	48.7	15,060	50.4	15,070	51.9	15,080	
90	61.3	30,750	63.4	29,620*	65.3	23,990*	150	44.8		13,420	46.4	13,420	47.8	13,440			
100	57.3	26,580	59.4	26,590	61.3	22,550*	160	40.5		12,000	42.1	12,010	43.3	12,020			
150'	110	53.2	23,240	55.3	23,240	57.0	21,300*			41	81.0	32,000*	-	-	-	-	
	120	48.8	20,500	50.9	20,510	52.5	20,280*		50	78.5	32,000*	80.3	32,000*	-	-		
	130	44.1	18,240	46.1	18,250	47.7	18,260		60	75.7	32,000*	77.5	32,000*	79.2	32,000*		
	160'		60	72.9	32,000*	74.7	32,000*		76.3	29,950*	70	72.9	32,000*	74.7	32,000*	76.3	29,950*
			80	70.0	32,000*	71.8	32,000*		73.4	27,990*	80	70.0	32,000*	71.8	32,000*	73.4	27,990*
			90	67.1	29,140	68.8	29,150		70.4	26,220*	90	67.1	29,140	68.8	29,150	70.4	26,220*
100			64.1	24,960	65.8	24,960	67.4	24,710*	100	64.1	24,960	65.8	24,960	67.4	24,710*		
110			61.0	21,600	62.7	21,610	64.3	21,620	110	61.0	21,600	62.7	21,610	64.3	21,620		
120			57.8	18,860	59.5	18,860	61.0	18,880	120	57.8	18,860	59.5	18,860	61.0	18,880		
170'		130	54.5	16,570	56.2	16,580	57.6	16,590	130	54.5	16,570	56.2	16,580	57.6	16,590		
		140	51.1	14,650	52.7	14,650	54.1	14,670	140	51.1	14,650	52.7	14,650	54.1	14,670		
		150	47.5	13,000	49.1	13,010	50.4	13,020	150	47.5	13,000	49.1	13,010	50.4	13,020		
		160	43.6	11,580	45.2	11,580	46.4	11,600	160	43.6	11,580	45.2	11,580	46.4	11,600		
		170	39.5	10,340	41.0	10,350	42.1	10,360	170	39.5	10,340	41.0	10,350	42.1	10,360		



LOAD CHART

HC 165**With 77SI Offset Tip Boom and 102,000 Pound Upper Counterweight
#16HL Jib**

102,000 lb								360°								ANSI B 30.5															
40' Jib length																															
Boom length		Jib Radius (Feet)	5.0 Deg offset Boom Angle (Pounds)		15.0 Deg offset Boom Angle (Pounds)		25.0 Deg offset Boom Angle (Pounds)		Boom length		Jib Radius (Feet)	5.0 Deg offset Boom Angle (Pounds)		15.0 Deg offset Boom Angle (Pounds)		25.0 Deg offset Boom Angle (Pounds)															
		43	80.9	32,000*	-	-	-	-			48	80.8	32,000*	-	-	-	-														
		50	79.0	32,000*	80.8	32,000*	-	-			50	80.4	32,000*	-	-	-	-														
		60	76.4	32,000*	78.1	32,000*	79.7	32,000*			60	78.0	32,000*	79.6	32,000*	81.0	32,000*														
		70	73.7	32,000*	75.4	32,000*	77.0	30,450*			70	75.7	32,000*	77.2	32,000*	78.6	31,760*														
		80	71.0	32,000*	72.7	32,000*	74.2	28,440*			80	73.3	32,000*	74.8	32,000*	76.2	29,790*														
		90	68.2	28,770	69.9	28,780	71.4	26,700*			90	70.9	27,530	72.4	27,540	73.8	27,550														
180'	100	65.4	24,580	67.0	24,590	68.5	24,600			100	68.5	23,330	69.9	23,330	71.3	23,340															
	110	62.4	21,230	64.1	21,230	65.6	21,240			110	66.0	19,970	67.4	19,980	68.8	19,990															
	120	59.5	18,480	61.1	18,490	62.5	18,500			120	63.4	17,210	64.9	17,220	66.2	17,230															
	130	56.4	16,190	58.0	16,200	59.4	16,210			130	60.9	14,930	62.3	14,930	63.6	14,940															
		140	53.2	14,270	54.8	14,270	56.1	14,290			140	58.2	12,990	59.6	12,990	60.8	13,000														
		150	49.8	12,620	51.4	12,620	52.7	12,640			150	55.4	11,330	56.8	11,330	58.0	11,350														
		160	46.3	11,190	47.8	11,200	49.1	11,210			160	52.6	9,890	54.0	9,900	55.1	9,910														
		170	42.6	9,950	44.0	9,960	45.2	9,970			170	49.6	8,640	51.0	8,650	52.1	8,660														
		180	38.5	8,870	39.9	8,870	41.0	8,890			180	46.5	7,550	47.9	7,550	49.0	7,570														
											190	43.3	6,570	44.6	6,580	45.6	6,590														
											200	39.8	5,720	41.1	5,730	42.0	5,740														
											210	36.0	4,960	37.2	4,970	38.1	4,980														
		45	80.8	32,000*	-	-	-	-			49	81.0	32,000*	-	-	-	-														
		50	79.5	32,000*	-	-	-	-			50	80.7	32,000*	-	-	-	-														
		60	77.0	32,000*	78.6	32,000*	80.2	32,000*			60	78.5	32,000*	80.0	32,000*	-	-														
		70	74.4	32,000*	76.1	32,000*	77.6	30,910*			70	76.2	32,000*	77.7	32,000*	79.1	32,000*														
		80	71.8	32,000*	73.4	32,000*	74.9	28,870*			80	74.0	32,000*	75.4	32,000*	76.8	30,080*														
		90	69.2	28,350	70.8	28,360	72.3	27,220*			90	71.7	27,110	73.1	27,120	74.4	27,130														
190'	100	66.5	24,160	68.1	24,170	69.5	24,180			100	69.3	22,920	70.8	22,920	72.1	22,930															
	110	63.7	20,800	65.3	20,810	66.7	20,820			110	67.0	19,550	68.4	19,550	69.6	19,560															
	120	60.9	18,060	62.5	18,060	63.9	18,080			120	64.5	16,800	65.9	16,810	67.2	16,820															
	130	58.0	15,770	59.6	15,770	60.9	15,780			130	62.1	14,500	63.5	14,510	64.7	14,520															
		140	55.0	13,840	56.6	13,850	57.9	13,860			140	59.5	12,560	60.9	12,570	62.1	12,580														
		150	51.9	12,190	53.4	12,190	54.7	12,200			150	56.9	10,900	58.3	10,910	59.5	10,920														
		160	48.7	10,760	50.1	10,760	51.4	10,770			160	54.3	9,460	55.6	9,470	56.8	9,480														
		170	45.2	9,510	46.7	9,520	47.8	9,530			170	51.5	8,210	52.8	8,220	53.9	8,230														
		180	41.6	8,420	43.0	8,430	44.1	8,440			180	48.6	7,110	49.9	7,120	51.0	7,130														
		190	37.6	7,460	39.0	7,470	40.0	7,480			190	45.6	6,150	46.9	6,150	47.9	6,170														
											200	42.4	5,280	43.6	5,280	44.6	5,300														
											210	39.0	4,510	40.2	4,520	41.1	4,530														
											220	35.3	3,840	36.4	3,840	37.2	3,860														
		46	80.9	32,000*	-	-	-	-			51	80.9	32,000*	-	-	-	-														
		50	80.0	32,000*	-	-	-	-			60	78.9	32,000*	80.3	32,000*	-	-														
		60	77.5	32,000*	79.1	32,000*	80.6	32,000*			70	76.8	32,000*	78.2	32,000*	79.5	32,000*														
		70	75.1	32,000*	76.6	32,000*	78.1	31,340*			80	74.6	32,000*	76.0	32,000*	77.3	30,500*														
		80	72.6	32,000*	74.2	32,000*	75.6	29,380*			90	72.4	26,730	73.8	26,740	75.0	26,750														
		90	70.1	27,950	71.6	27,960	73.0	27,670*			100	70.1	22,530	71.5	22,530	72.8	22,540														
		100	67.5	23,750	69.1	23,760	70.4	23,770			110	67.9	19,160	69.2	19,160	70.5	19,170														
		110	64.9	20,390	66.4	20,400	67.8	20,410			120	65.6	16,410	66.9	16,410	68.1	16,420														
200'	120	62.2	17,650	63.8	17,650	65.1	17,660			130	63.2	14,110	64.5	14,120	65.7	14,130															
	130	59.5	15,350	61.0	15,360	62.3	15,370			140	60.8	12,170	62.1	12,170	63.3	12,180															
	140	56.7	13,410	58.2	13,420	59.4	13,430			150	58.3	10,510	59.6	10,510	60.8	10,520															
	150	53.8	11,760	55.2	11,760	56.5	11,770			160	55.8	9,070	57.1	9,070	58.2	9,080															
		160	50.7	10,320	52.2	10,330	53.4	10,340			170	53.2	7,810	54.5	7,820	55.5	7,830														
		170	47.6	9,090	49.0	9,090	50.1	9,100			180	50.5	6,710	51.7	6,720	52.8	6,730														
		180	44.2	7,990	45.6	8,000	46.7	8,010			190	47.6	5,740	48.9	5,750	49.9	5,760														
		190	40.6	7,020	42.0	7,030	43.0	7,050			200	44.7	4,880	45.9	4,880	46.9	4,900														
		200	36.8	6,170	38.1	6,180	39.0	6,200			210	41.5	4,100	42.7	4,110	43.6	4,120														
											220	38.2	3,420	39.4	3,420	40.2	3,440														
											230	34.6	2,800	35.7	2,810	36.5	2,830														

**TEREX®**



LOAD CHART

HC 165

With 77SI Offset Tip Boom and 102,000 Pound Upper Counterweight #16HL Jib

102,000 lb								360°								ANSI B 30.5															
40' Jib length																															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)								
	52	81.0	32,000*	-	-	-	-		54	80.9	32,000*	-	-	-	-		54	80.9	32,000*	-	-	-	-								
	60	79.3	32,000*	80.7	32,000*	-	-		60	79.7	32,000*	-	-	-	-		60	79.7	32,000*	-	-	-	-								
	70	77.2	32,000*	78.6	32,000*	79.9	32,000*		70	77.7	32,000*	79.0	32,000*	80.2	32,000*		70	77.7	32,000*	79.0	32,000*	80.2	32,000*								
	80	75.1	31,700	76.5	31,700	77.7	30,780*		80	75.7	31,290	77.0	31,300	78.2	31,190*		80	75.7	31,290	77.0	31,300	78.2	31,190*								
	90	73.0	26,310	74.4	26,320	75.6	26,330		90	73.6	25,890	74.9	25,900	76.1	25,910		90	73.6	25,890	74.9	25,900	76.1	25,910								
	100	70.9	22,110	72.2	22,110	73.4	22,120		100	71.6	21,690	72.8	21,690	74.0	21,700		100	71.6	21,690	72.8	21,690	74.0	21,700								
	110	68.7	18,740	70.0	18,740	71.2	18,750		110	69.5	18,320	70.7	18,320	71.9	18,330		110	69.5	18,320	70.7	18,320	71.9	18,330								
	120	66.5	15,980	67.8	15,980	69.0	15,990		120	67.3	15,560	68.6	15,560	69.7	15,570		120	67.3	15,560	68.6	15,560	69.7	15,570								
240'	130	64.2	13,680	65.5	13,680	66.7	13,700		130	65.2	13,260	66.4	13,260	67.6	13,270		130	65.2	13,260	66.4	13,260	67.6	13,270								
	140	61.9	11,730	63.2	11,740	64.3	11,750		140	63.0	11,310	64.2	11,320	65.3	11,330		140	63.0	11,310	64.2	11,320	65.3	11,330								
	150	59.6	10,070	60.9	10,080	62.0	10,090		150	60.7	9,650	62.0	9,650	63.1	9,660		150	60.7	9,650	62.0	9,650	63.1	9,660								
	160	57.2	8,630	58.4	8,640	59.5	8,650		160	58.4	8,200	59.7	8,210	60.7	8,220		160	58.4	8,200	59.7	8,210	60.7	8,220								
	170	54.7	7,370	55.9	7,380	57.0	7,390		170	56.1	6,950	57.3	6,950	58.3	6,960		170	56.1	6,950	57.3	6,950	58.3	6,960								
	180	52.1	6,270	53.4	6,270	54.4	6,290		180	53.7	5,840	54.9	5,850	55.9	5,860		180	53.7	5,840	54.9	5,850	55.9	5,860								
	190	49.5	5,300	50.7	5,300	51.7	5,320		190	51.2	4,860	52.3	4,860	53.3	4,880		190	51.2	4,860	52.3	4,860	53.3	4,880								
	200	46.7	4,430	47.9	4,440	48.9	4,450		200	48.6	3,990	49.7	3,990	50.7	4,010		200	48.6	3,990	49.7	3,990	50.7	4,010								
	210	43.8	3,660	45.0	3,670	45.9	3,680		210	45.9	3,210	47.0	3,220	47.9	3,230		210	45.9	3,210	47.0	3,220	47.9	3,230								
	220	40.8	2,960	41.9	2,970	42.8	2,980		220	43.0	2,520	44.1	2,530	45.0	2,540		220	43.0	2,520	44.1	2,530	45.0	2,540								
	230	37.5	2,340	38.6	2,350	39.4	2,360		230	40.0	1,890	41.1	1,900	41.9	1,920		230	40.0	1,890	41.1	1,900	41.9	1,920								

50' Jib length																															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)								
	38	80.7	32,000*	-	-	-	-		41	80.8	32,000*	-	-	-	-		41	80.8	32,000*	-	-	-	-								
	40	80.1	31,900*	-	-	-	-		50	78.2	31,020*	80.6	28,330*	-	-		50	78.2	31,020*	80.6	28,330*	-	-								
	50	76.8	30,710*	79.5	28,230*	-	-		60	75.2	29,930*	77.6	27,520*	79.8	25,640*		60	75.2	29,930*	77.6	27,520*	79.8	25,640*								
	60	73.6	29,560*	76.2	27,410*	78.6	25,610*		70	72.3	29,000*	74.6	26,860*	76.8	24,550*		70	72.3	29,000*	74.6	26,860*	76.8	24,550*								
130'	70	70.2	28,590*	72.8	26,560*	75.2	23,760*		80	69.2	28,120*	71.6	26,210*	73.7	22,850*		80	69.2	28,120*	71.6	26,210*	73.7	22,850*								
	80	66.8	27,570*	69.4	25,940*	71.7	21,930*		90	66.1	27,290*	68.4	25,650*	70.5	21,310*		90	66.1	27,290*	68.4	25,650*	70.5	21,310*								
	90	63.3	26,760*	65.8	25,250*	68.1	20,400*		100	62.9	25,960	65.2	25,070*	67.3	20,000*		100	62.9	25,960	65.2	25,070*	67.3	20,000*								
	100	59.6	26,020*	62.1	23,580*	64.4	19,140*		110	59.7	22,610	61.9	22,620	63.9	18,900*		110	59.7	22,610	61.9	22,620	63.9	18,900*								
	110	55.8	23,430	58.3	21,960*	60.5	18,090*		120	56.3	19,880	58.5	19,880	60.4	17,980*		120	56.3	19,880	58.5	19,880	60.4	17,980*								
	120	51.8	20,690	54.3	20,590*	56.4	17,170*		130	52.7	17,590	54.9	17,600	56.8	17,160*		130	52.7	17,590	54.9	17,600	56.8	17,160*								
	130	47.6	18,410	50.0	18,420	52.0	16,340*		140	49.0	15,670	51.1	15,680	53.0	15,690		140	49.0	15,670	51.1	15,680	53.0	15,690								

	39	80.9	32,000*	-	-	-	-		42	81.0	31,940*	-	-	-	-		42	81.0	31,940*	-	-	-	-	
	40	80.6	32,000*	-	-	-	-		50	78.7	31,170*	-	-	-	-		50	78.7	31,170*	-	-	-	-	
	50	77.5	30,800*	80.1	28,220*	-	-		60	76.0	30,160*	78.2	27,640*	80.3	25,700*		60	76.0	30,160*	78.2	27,640*	80.3	25,700*	
	60	74.4	29,810*	76.9	27,440*	79.3	25,670*		70	73.1	29,170*	75.4	26,930*	77.5	24,960*		70	73.1	29,170*	75.4	26,930*	77.5	24,960*	
140'	70	71.3	28,740*	73.8	26,710*	76.1	24,150*		80	70.3	28,340*	72.5	26,380*	74.5	23,220*		80	70.3	28,340*	72.5	26,380*	74.5	23,220*	
	80	68.1	27,890*	70.5	26,030*	72.8	22,350*		90	67.3	27,610*	69.5	25,740*	71.5	21,690*		90	67.3	27,610*	69.5	25,740*	71.5	21,690*	
	90	64.8	27,100*	67.2	25,460*	69.4	20,920*		100	64.3	25,550	66.5	25,190*	68.5	20,400*		100	64.3	25,550	66.5	25,190*	68.5	20,400*	
	100	61.4	26,290*	63.8	24,300*	65.9	19,600*		110	61.2	22,200	63.4	22,210	65.3	19,340*		110	61.2	22,200	63.4	22,210	65.3	19,340*	
	110	57.9	23,020	60.2	22,720*	62.3	18,520*		120	58.1	19,450	60.2	19,460	62.1	18,340*		120	58.1	19,450	60.2	19,460	62.1	18,340*	
	120	54.2	20,280	56.5	20,290	58.6	17,570*		130	54.8	17,170	56.9	17,180	58.7	17,190		130	54.8	17,170	56.9	17,180	58.7	17,190	
	130	50.3	18,000	52.6	18,010	54.6	16,750*		140	51.3	15,240	53.4	15,250	55.2	15,260		140	51.3	15,240	53.4	15,250	55.2	15,260	
	140	46.3	16,080	48.5	16,080	50.4	16,100		150	47.7	13,590	49.7	13,600	51.4	13,610		150	47.7	13,590	49.7	13,600	51.4	13,610	
									160	43.8	12,180	45.8	12,190	47.4	12,200		160	43.8	12,180	45.8	12,190	47.4	12,200	



LOAD CHART

HC 165

**With 77SI Offset Tip Boom and 102,000 Pound Upper Counterweight
#16HL Jib**

102,000 lb				360°				ANSI B 30.5								
50' Jib length																
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	
170'	44	80.8	31,790*	-	-	-	-	200'	49	80.8	31,430*	-	-	-	-	
	50	79.3	31,190*	-	-	-	-		50	80.6	31,320*	-	-	-	-	
	60	76.6	30,230*	78.8	27,630*	80.8	25,710*		60	78.2	30,580*	80.1	27,800*	-	-	
	70	73.9	29,400*	76.1	27,080*	78.1	25,240*		70	75.9	29,760*	77.8	27,210*	79.6	25,200*	
	80	71.2	28,560*	73.3	26,430*	75.3	23,620*		80	73.5	29,010*	75.4	26,650*	77.1	24,550*	
	90	68.4	27,740*	70.5	25,900*	72.5	22,120*		90	71.1	28,130	73.0	26,090*	74.7	23,100*	
	100	65.6	25,130	67.7	25,140	69.6	20,860*		100	68.7	23,930	70.5	23,940	72.2	21,810*	
	110	62.7	21,790	64.7	21,790	66.6	19,740*		110	66.2	20,570	68.0	20,580	69.7	20,590	
	120	59.7	19,040	61.7	19,050	63.6	18,750*		120	63.6	17,820	65.5	17,830	67.1	17,840	
	130	56.6	16,750	58.6	16,760	60.4	16,770		130	61.0	15,530	62.9	15,530	64.5	15,550	
	140	53.4	14,820	55.4	14,830	57.1	14,840		140	58.4	13,600	60.2	13,600	61.7	13,620	
	150	50.1	13,180	52.0	13,180	53.7	13,200		150	55.6	11,940	57.4	11,950	58.9	11,960	
160	46.5	11,750	48.5	11,760	50.0	11,770	160	52.8	10,500	54.5	10,510	56.0	10,530			
170	42.8	10,510	44.7	10,520	46.2	10,530	170	49.8	9,250	51.6	9,260	53.0	9,270			
180'	45	81.0	31,770*	-	-	-	-	210'	180	46.7	8,160	48.4	8,160	49.8	8,180	
	50	79.7	31,230*	-	-	-	-		190	43.5	7,190	45.1	7,200	46.4	7,220	
	60	77.2	30,360*	79.3	27,700*	-	-		200	40.0	6,340	41.6	6,350	42.8	6,370	
	70	74.6	29,520*	76.7	27,140*	78.6	25,220*		220'	50	80.9	31,350*	-	-	-	-
	80	72.0	28,650*	74.1	26,540*	76.0	23,960*			60	78.7	30,550*	80.5	27,740*	-	-
	90	69.4	27,990*	71.4	25,950*	73.3	22,470*			70	76.4	29,800*	78.3	27,230*	80.0	25,170*
	100	66.7	24,760	68.7	24,770	70.5	21,210*			80	74.2	29,040*	76.0	26,620*	77.7	24,770*
	110	64.0	21,400	65.9	21,410	67.7	20,100*			90	71.9	27,710	73.7	26,200*	75.3	23,470*
	120	61.1	18,660	63.1	18,670	64.9	18,680			100	69.5	23,510	71.3	23,520	72.9	22,180*
	130	58.2	16,380	60.2	16,380	61.9	16,400			110	67.1	20,150	68.9	20,150	70.5	20,170
	140	55.2	14,440	57.2	14,450	58.8	14,460			120	64.7	17,400	66.5	17,410	68.1	17,420
	150	52.1	12,790	54.0	12,790	55.6	12,810			130	62.3	15,100	64.0	15,110	65.6	15,120
160	48.9	11,360	50.7	11,360	52.3	11,380	140	59.7		13,160	61.5	13,170	63.0	13,180		
170	45.4	10,120	47.3	10,130	48.8	10,140	150	57.1		11,500	58.9	11,510	60.3	11,520		
180	41.8	9,030	43.6	9,040	45.0	9,060	160	54.5		10,060	56.2	10,070	57.6	10,090		
190'	47	80.9	31,550*	-	-	-	-	230'	170	51.7	8,820	53.4	8,830	54.8	8,840	
	50	80.2	31,380*	-	-	-	-		180	48.8	7,720	50.4	7,730	51.8	7,740	
	60	77.7	30,470*	79.7	27,760*	-	-		190	45.8	6,750	47.4	6,750	48.7	6,770	
	70	75.3	29,610*	77.3	27,170*	79.1	25,220*		200	42.6	5,890	44.2	5,890	45.4	5,910	
	80	72.8	28,830*	74.8	26,540*	76.6	24,260*		210	39.1	5,120	40.7	5,130	41.8	5,150	
	90	70.3	28,090*	72.2	26,080*	74.0	22,820*		240'	52	80.8	31,140*	-	-	-	-
	100	67.7	24,350	69.7	24,360	71.4	21,520*			60	79.1	30,600*	80.9	27,680*	-	-
	110	65.1	20,990	67.0	21,000	68.8	20,420*			70	76.9	29,800*	78.7	27,140*	80.4	25,100*
	120	62.5	18,240	64.3	18,240	66.0	18,260			80	74.8	29,070*	76.5	26,710*	78.1	24,800*
	130	59.7	15,950	61.6	15,960	63.2	15,970			90	72.6	27,290	74.3	26,190*	75.9	23,730*
	140	56.9	14,010	58.8	14,020	60.4	14,030			100	70.3	23,100	72.0	23,110	73.6	22,420*
	150	54.0	12,360	55.8	12,360	57.4	12,380			110	68.0	19,730	69.8	19,730	71.3	19,750
160	50.9	10,920	52.8	10,930	54.3	10,950	120	65.7		16,980	67.4	16,980	69.0	17,000		
170	47.8	9,690	49.5	9,690	51.0	9,710	130	63.4		14,680	65.1	14,690	66.6	14,700		
180	44.4	8,590	46.2	8,600	47.6	8,620	140	61.0		12,740	62.6	12,740	64.1	12,760		
190	40.8	7,620	42.5	7,630	43.9	7,650	150	58.5		11,080	60.2	11,080	61.6	11,100		
200'	53	80.8	31,530*	-	-	-	-	250'		160	56.0	9,640	57.6	9,640	59.0	9,660
	55	80.1	31,360*	-	-	-	-		170	53.4	8,380	55.0	8,390	56.3	8,400	
	60	78.2	30,580*	80.1	27,800*	-	-		180	50.6	7,290	52.2	7,300	53.6	7,310	
	70	75.9	29,760*	77.8	27,210*	79.6	25,200*		190	47.8	6,310	49.4	6,320	50.7	6,330	
	80	73.5	29,010*	75.4	26,650*	77.1	24,550*		200	44.8	5,450	46.4	5,460	47.6	5,470	
	90	71.1	28,130	73.0	26,090*	74.7	23,100*		210	41.7	4,680	43.2	4,690	44.4	4,700	
	100	68.7	23,930	70.5	23,940	72.2	21,810*		220	38.4	4,000	39.9	4,010	40.9	4,020	
	110	66.2	20,570	68.0	20,580	69.7	20,590		260'	54	80.8	31,120*	-	-	-	-
	120	63.6	17,820	65.5	17,830	67.1	17,840			60	79.1	30,600*	80.9	27,680*	-	-
	130	61.0	15,530	62.9	15,530	64.5	15,550			70	76.9	29,800*	78.7	27,140*	80.4	25,100*
	140	58.4	13,600	60.2	13,600	61.7	13,620			80	74.8	29,070*	76.5	26,710*	78.1	24,800*
	150	55.6	11,940	57.4	11,950	58.9	11,960			90	72.6	27,290	74.3	26,190*	75.9	23,730*
160	52.8	10,500	54.5	10,510	56.0	10,530	100	70.3		23,100	72.0	23,110	73.6	22,420*		
170	49.8	9,250	51.6	9,260	53.0	9,270	110	68.0		19,730	69.8	19,730	71.3	19,750		
180	46.7	8,160	48.4	8,160	49.8	8,180	120	65.7		16,980	67.4	16,980	69.0	17,000		
190	43.5	7,190	45.1	7,200	46.4	7,220	130	63.4		14,680	65.1	14,690	66.6	14,700		
200	40.0	6,340	41.6	6,350	42.8	6,370	140	61.0		12,740	62.6	12,740	64.1	12,760		
210'	56	80.8	31,500*	-	-	-	-	270'		150	58.5	11,080	60.2	11,080	61.6	11,100
	58	80.1	31,330*	-	-	-	-			160	56.0	9,640	57.6	9,640	59.0	9,660
	60	78.2	30,580*	80.1	27,800*	-	-		170	53.4	8,380	55.0	8,390	56.3	8,400	
	70	75.9	29,760*	77.8	27,210*	79.6	25,200*		180	50.6	7,290	52.2	7,300	53.6	7,310	
	80	73.5	29,010*	75.4	26,650*	77.1	24,550*		190	47.8	6,310	49.4	6,320	50.7	6,330	
	90	71.1	28,130	73.0	26,090*	74.7	23,100*		200	44.8	5,450	46.4	5,460	47.6	5,470	
	100	68.7	23,930	70.5	23,940	72.2	21,810*		210	41.7	4,680	43.2	4,690	44.4	4,700	
	110	66.2	20,570	68.0	20,580	69.7	20,590		220	38.4	4,000	39.9	4,010	40.9	4,020	
	120	63.6	17,820	65.5	17,830	67.1	17,840		280'	55	80.8	31,480*	-	-	-	-
	130	61.0	15,530	62.9	15,530	64.5	15,550			60	79.1	30,600*	80.9	27,680*	-	-
	140	58.4	13,600	60.2	13,600	61.7	13,620			70	76.9	29,800*	78.7	27,140*	80.4	25,100*
	150	55.6	11,940	57.4	11,950	58.9	11,960			80	74.8	29,070*	76.5	26,710*	78.1	24,800*
160	52.8	10,500	54.5	10,510	56.0	10,530	90	72.6		27,290	74.3	26,190*	75.9	23,730*		
170	49.8	9,250	51.6	9,260	53.0	9,270	100	70.3		23,100	72.0	23,110	73.6	22,420*		
180	46.7	8,160	48.4	8,160	49.8	8,180	110	68.0		19,730	69.8	19,730	71.3	19,750		
190	43.5	7,190	45.1	7,200	46.4	7,220	120	65.7		16,980	67.4	16,980	69.0	17,000		
200	40.0	6,340	41.6	6,350	42.8	6,370	130	63.4		14,680	65.1	14,690	66.6	14,700		
220'	57	80.8	31,450*	-	-	-	-	290'		140	61.0	12,740	62.6	12,740	64.1	12,760
	59	80.1	31,280*	-	-	-	-			150	58.5	11,080	60.2	11,080	61.6	11,100
	60	78.2	30,580*	80.1	27,800*	-	-			160	56.0	9,640	57.6	9,640	59.0	9,660
	70	75.9	29,760*	77.8	27,210*	79.6	25,200*		170	53.4	8,380	55.0	8,390	56.3	8,400	
	80	73.5	29,010*	75.4	26,650*	77.1	24,550*		180	50.6	7,290	52.2	7,300	53.6	7,310	
	90	71.1	28,130	73.0	26,090*	74.7	23,100*		190	47.8	6,310	49.4	6,320	50.7	6,330	
	100	68.7	23,930	70.5	23,940	72.2	21,810*		200	44.8	5,450	46.4	5,460	47.6	5,470	
	110	66.2	20,570	68.0	20,580	69.7	20,590		210	41.7	4,680	43.2	4,690	44.4	4,700	
	120	63.6	17,820	65.5	17,830	67.1	17,840		220	38.4	4,000	39.9	4,010	40.9	4,020	
	130	61.0	15,530	62.9	15,530	64.5	15,550		300'	56	80.8	31,430*	-	-	-	-
	140	58.4	13,600	60.2	13,600	61.7	13,620			60	79.1	30,600*	80.9	27,680*	-	-
	150	55.6</														

**TEREX®**



LOAD CHART

HC 165

**With 77SI Offset Tip Boom and 102,000 Pound Upper Counterweight
#16HL Jib**

102,000 lb						360°						ANSI B 30.5					
50' Jib length																	
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)
	53	81.0	31,080*	-	-	-	-		56	81.0	30,720*	-	-	-	-		
	60	79.5	30,600*	-	-	-	-		60	80.2	30,390*	-	-	-	-		
	70	77.4	29,850*	79.1	27,190*	80.7	24,980*		70	78.3	29,780*	79.9	27,030*	-	-		
	80	75.3	29,110*	77.0	26,710*	78.6	24,700*		80	76.3	29,170*	77.9	26,550*	79.4	24,540*		
	90	73.2	26,910	74.9	26,190*	76.4	23,990*		90	74.3	26,080	75.9	26,080	77.4	24,260*		
	100	71.0	22,710	72.7	22,720	74.2	22,730		100	72.4	21,870	73.9	21,880	75.3	21,890		
	110	68.9	19,340	70.5	19,340	72.0	19,360		110	70.3	18,500	71.9	18,500	73.3	18,520		
	120	66.7	16,580	68.3	16,580	69.8	16,600		120	68.3	15,740	69.8	15,740	71.2	15,750		
230'	130	64.4	14,280	66.0	14,290	67.5	14,300		130	66.2	13,440	67.8	13,440	69.1	13,450		
	140	62.1	12,340	63.7	12,350	65.2	12,360		140	64.1	11,490	65.6	11,490	67.0	11,510		
	150	59.8	10,680	61.4	10,690	62.8	10,700		150	62.0	9,820	63.5	9,830	64.8	9,840		
	160	57.3	9,240	58.9	9,250	60.3	9,260		160	59.8	8,380	61.3	8,390	62.6	8,400		
	170	54.9	7,980	56.4	7,990	57.8	8,000		170	57.5	7,120	59.0	7,130	60.3	7,140		
	180	52.3	6,880	53.9	6,890	55.2	6,900		180	55.2	6,010	56.7	6,020	57.9	6,030		
	190	49.7	5,910	51.2	5,920	52.5	5,930		190	52.8	5,040	54.3	5,040	55.5	5,060		
	200	46.9	5,040	48.4	5,050	49.6	5,070		200	50.4	4,160	51.8	4,170	53.0	4,190		
	210	44.0	4,270	45.5	4,280	46.6	4,290		210	47.9	3,390	49.3	3,390	50.4	3,410		
	220	40.9	3,570	42.4	3,580	43.5	3,600		220	45.2	2,680	46.6	2,690	47.7	2,710		
	230	37.6	2,960	39.1	2,970	40.1	2,990		230	42.4	2,060	43.8	2,070	44.8	2,090		

	55	80.9	30,840*	-	-	-	-										
	60	79.9	30,530*	-	-	-	-										
	70	77.9	29,880*	79.5	27,100*	-	-										
	80	75.8	29,190*	77.5	26,690*	79.0	24,610*										
	90	73.8	26,490	75.4	26,250*	76.9	24,230*										
	100	71.7	22,290	73.3	22,300	74.8	22,310										
	110	69.6	18,920	71.2	18,920	72.7	18,940										
	120	67.5	16,160	69.1	16,160	70.5	16,170										
240'	130	65.3	13,860	66.9	13,860	68.3	13,880										
	140	63.1	11,910	64.7	11,920	66.1	11,930										
	150	60.9	10,250	62.5	10,250	63.8	10,270										
	160	58.6	8,800	60.1	8,810	61.5	8,830										
	170	56.3	7,550	57.8	7,550	59.1	7,570										
	180	53.8	6,440	55.3	6,450	56.6	6,460										
	190	51.3	5,470	52.8	5,470	54.1	5,490										
	200	48.7	4,600	50.2	4,600	51.4	4,620										
	210	46.0	3,820	47.5	3,830	48.6	3,850										
	220	43.2	3,130	44.6	3,140	45.7	3,160										
	230	40.2	2,500	41.6	2,510	42.6	2,530										
	240	37.0	1,940	38.3	1,950	39.3	1,970										

60' Jib length																	
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)
	43	80.9	28,920*	-	-	-	-		45	80.8	28,710*	-	-	-	-		
	50	79.0	28,190*	-	-	-	-		50	79.5	28,220*	-	-	-	-		
	60	76.2	27,190*	78.9	24,740*	-	-		60	76.8	27,220*	79.4	24,690*	-	-		
	70	73.4	26,160*	76.1	24,040*	78.6	21,560*		70	74.1	26,330*	76.7	24,110*	79.2	21,790*		
	80	70.5	25,280*	73.2	23,380*	75.7	20,000*		80	71.4	25,470*	74.0	23,480*	76.4	20,320*		
	90	67.6	24,480*	70.2	22,750*	72.7	18,670*		90	68.6	24,710*	71.2	22,890*	73.5	18,950*		
	100	64.6	23,780*	67.2	21,830*	69.6	17,500*		100	65.8	24,020*	68.3	22,290*	70.6	17,790*		
	110	61.5	22,780	64.1	20,370*	66.5	16,520*		110	62.9	22,370	65.4	20,920*	67.7	16,820*		
	120	58.3	20,040	60.9	19,080*	63.2	15,660*		120	59.9	19,620	62.4	19,630	64.6	15,980*		
	130	55.0	17,760	57.6	17,770	59.8	14,880*		130	56.8	17,330	59.3	17,340	61.4	15,170*		
	140	51.6	15,830	54.1	15,840	56.3	14,230*		140	53.6	15,410	56.0	15,420	58.1	14,540*		
	150	47.9	14,180	50.4	14,190	52.5	13,700*		150	50.3	13,760	52.7	13,770	54.7	13,780		
									160	46.7	12,330	49.1	12,340	51.0	12,360		



LOAD CHART

HC 165

**With 77SI Offset Tip Boom and 102,000 Pound Upper Counterweight
#16HL Jib**

102,000 lb								360°								ANSI B 30.5							
60' Jib length																							
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)								
170'	46	81.0	28,710*	-	-	-	-	51	80.9	28,250*	-	-	-	-	-								
	50	79.9	28,370*	-	-	-	-	60	78.9	27,540*	-	-	-	-	-								
	60	77.4	27,410*	79.9	24,820*	-	-	70	76.6	26,750*	78.8	24,200*	80.9	22,160*									
	70	74.8	26,500*	77.3	24,100*	79.6	22,130*	80	74.4	26,060*	76.5	23,690*	78.6	21,350*									
	80	72.2	25,670*	74.7	23,590*	77.0	20,560*	90	72.0	25,320*	74.2	23,160*	76.2	20,030*									
	90	69.6	24,880*	72.0	22,940*	74.3	19,210*	100	69.7	24,110	71.9	22,720*	73.9	18,950*									
	100	66.9	24,210*	69.3	22,410*	71.6	18,150*	110	67.3	20,740	69.5	20,750	71.4	17,890*									
	110	64.2	21,950	66.6	21,450*	68.8	17,160*	120	64.9	17,990	67.0	18,000	69.0	17,080*									
	120	61.4	19,210	63.7	19,220	65.9	16,270*	130	62.5	15,690	64.6	15,700	66.4	15,720									
	130	58.5	16,920	60.8	16,930	62.9	15,510*	140	59.9	13,760	62.0	13,770	63.9	13,780									
	140	55.5	14,990	57.8	15,000	59.8	14,810*	150	57.3	12,100	59.4	12,110	61.2	12,130									
	150	52.3	13,340	54.6	13,340	56.6	13,360	160	54.6	10,660	56.7	10,670	58.5	10,690									
	160	49.1	11,910	51.3	11,910	53.3	11,930	170	51.9	9,420	53.9	9,430	55.6	9,450									
	170	45.6	10,670	47.9	10,680	49.7	10,700	180	49.0	8,320	51.0	8,330	52.6	8,350									
							190	45.9	7,350	47.9	7,360	49.5	7,370										
							200	42.7	6,500	44.7	6,510	46.2	6,530										
	48	80.8	28,530*	-	-	-	-	53	80.8	28,110*	-	-	-	-									
	50	80.4	28,420*	-	-	-	-	60	79.3	27,580*	-	-	-	-									
	60	77.9	27,470*	80.3	24,840*	-	-	70	77.1	26,900*	79.2	24,200*	-	-									
	70	75.5	26,670*	77.9	24,210*	80.1	22,280*	80	74.9	26,160*	77.0	23,670*	79.0	21,580*									
180'	80	73.0	25,850*	75.4	23,600*	77.6	20,810*	90	72.7	25,440*	74.8	23,200*	76.8	20,280*									
	90	70.5	25,060*	72.8	23,080*	75.0	19,570*	100	70.5	23,690	72.6	22,740*	74.5	19,130*									
	100	67.9	24,410*	70.3	22,540*	72.4	18,400*	110	68.2	20,320	70.3	20,320	72.2	18,220*									
	110	65.3	21,570	67.6	21,580	69.7	17,400*	120	65.9	17,570	68.0	17,580	69.8	17,270*									
	120	62.7	18,830	64.9	18,830	67.0	16,570*	130	63.6	15,270	65.6	15,280	67.4	15,290									
	130	59.9	16,540	62.2	16,550	64.2	15,750*	140	61.2	13,330	63.2	13,340	65.0	13,350									
	140	57.1	14,600	59.3	14,610	61.3	14,630	150	58.7	11,670	60.7	11,670	62.4	11,690									
	150	54.2	12,950	56.4	12,950	58.3	12,970	160	56.1	10,240	58.1	10,250	59.9	10,260									
	160	51.1	11,520	53.3	11,530	55.2	11,550	170	53.5	8,980	55.5	8,990	57.2	9,010									
	170	48.0	10,280	50.1	10,280	51.9	10,300	180	50.8	7,880	52.8	7,890	54.4	7,910									
	180	44.6	9,180	46.7	9,190	48.4	9,210	190	48.0	6,910	49.9	6,920	51.5	6,940									
								200	45.0	6,050	46.9	6,060	48.4	6,080									
								210	41.9	5,280	43.7	5,290	45.2	5,310									
	49	81.0	28,420*	-	-	-	-	54	80.9	27,970*	-	-	-	-									
	50	80.8	28,350*	-	-	-	-	60	79.7	27,630*	-	-	-	-									
	60	78.4	27,480*	80.7	24,760*	-	-	70	77.6	26,930*	79.6	24,190*	-	-									
	70	76.1	26,720*	78.4	24,200*	80.5	22,240*	80	75.5	26,250*	77.5	23,760*	79.4	21,710*									
190'	80	73.7	25,940*	76.0	23,700*	78.1	21,050*	90	73.4	25,540*	75.4	23,270*	77.3	20,450*									
	90	71.3	25,200*	73.6	23,090*	75.6	19,790*	100	71.2	23,270	73.2	22,810*	75.1	19,380*									
	100	68.9	24,520	71.1	22,630*	73.2	18,670*	110	69.0	19,900	71.0	19,900	72.9	18,380*									
	110	66.4	21,160	68.6	21,170	70.6	17,700*	120	66.8	17,150	68.8	17,150	70.6	17,170									
	120	63.8	18,400	66.0	18,410	68.0	16,790*	130	64.6	14,850	66.5	14,860	68.3	14,870									
	130	61.2	16,120	63.4	16,130	65.4	16,000*	140	62.3	12,900	64.2	12,910	66.0	12,930									
	140	58.6	14,180	60.7	14,180	62.7	14,200	150	59.9	11,240	61.9	11,250	63.6	11,260									
	150	55.8	12,520	58.0	12,530	59.8	12,540	160	57.5	9,800	59.4	9,810	61.1	9,820									
	160	53.0	11,090	55.1	11,100	56.9	11,120	170	55.0	8,550	56.9	8,560	58.6	8,580									
	170	50.0	9,840	52.1	9,850	53.9	9,870	180	52.5	7,450	54.4	7,460	56.0	7,470									
	180	46.9	8,750	49.0	8,750	50.7	8,770	190	49.8	6,480	51.7	6,490	53.2	6,500									
	190	43.7	7,780	45.7	7,790	47.3	7,810	200	47.1	5,610	48.9	5,620	50.4	5,640									
								210	44.2	4,840	46.0	4,850	47.4	4,870									
								220	41.1	4,140	42.9	4,150	44.2	4,170									

**TEREX®**



LOAD CHART

HC 165

**With 77SI Offset Tip Boom and 102,000 Pound Upper Counterweight
#16HL Jib**

102,000 lb								360°								ANSI B 30.5							
60' Jib length																							
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)		Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)							
	56	80.8	27,840*	-	-	-	-		59	80.9	27,460*	-	-	-	-								
	60	80.0	27,570*	-	-	-	-		60	80.7	27,450*	-	-	-	-								
	70	78.0	26,840*	80.0	24,130*	-	-		70	78.8	26,780*	80.7	23,960*	-	-								
	80	76.0	26,230*	78.0	23,660*	79.8	21,720*		80	76.9	26,180*	78.8	23,590*	80.5	21,510*								
	90	74.0	25,540*	75.9	23,230*	77.7	20,700*		90	75.0	25,570*	76.9	23,140*	78.6	21,100*								
	100	71.9	22,880	73.8	22,800*	75.6	19,610*		100	73.1	22,040	74.9	22,050	76.6	20,000*								
	110	69.8	19,510	71.7	19,510	73.5	18,610*		110	71.2	18,670	73.0	18,670	74.6	18,690								
	120	67.7	16,760	69.6	16,760	71.3	16,780		120	69.2	15,900	71.0	15,910	72.6	15,930								
230'	130	65.5	14,460	67.4	14,460	69.1	14,480		130	67.2	13,600	69.0	13,610	70.6	13,630								
	140	63.3	12,510	65.2	12,520	66.9	12,530		140	65.2	11,660	66.9	11,660	68.5	11,680								
	150	61.1	10,850	62.9	10,850	64.6	10,870		150	63.1	9,990	64.9	10,000	66.4	10,010								
	160	58.8	9,400	60.6	9,410	62.3	9,430		160	61.0	8,550	62.8	8,550	64.3	8,570								
	170	56.4	8,150	58.3	8,150	59.9	8,170		170	58.9	7,280	60.6	7,290	62.1	7,310								
	180	54.0	7,050	55.8	7,060	57.4	7,070		180	56.7	6,170	58.4	6,180	59.9	6,200								
	190	51.5	6,070	53.3	6,080	54.8	6,090		190	54.4	5,200	56.1	5,210	57.6	5,220								
	200	48.9	5,200	50.7	5,210	52.1	5,220		200	52.1	4,320	53.8	4,330	55.2	4,350								
	210	46.2	4,430	47.9	4,440	49.4	4,460		210	49.7	3,540	51.3	3,550	52.7	3,570								
	220	43.3	3,730	45.1	3,740	46.4	3,760		220	47.2	2,850	48.8	2,860	50.2	2,870								
	230	40.3	3,100	42.0	3,110	43.3	3,140		230	44.6	2,210	46.2	2,220	47.5	2,240								

	57	81.0	27,710*	-	-	-	-
	60	80.4	27,520*	-	-	-	-
	70	78.4	26,860*	80.3	24,120*	-	-
	80	76.5	26,200*	78.4	23,660*	80.2	21,650*
	90	74.5	25,590*	76.4	23,190*	78.2	20,910*
	100	72.5	22,460	74.4	22,470	76.1	19,810*
	110	70.5	19,090	72.4	19,090	74.1	18,820*
	120	68.5	16,330	70.3	16,330	72.0	16,350
240'	130	66.4	14,030	68.2	14,030	69.9	14,050
	140	64.3	12,080	66.1	12,090	67.8	12,100
	150	62.1	10,410	63.9	10,420	65.6	10,440
	160	59.9	8,970	61.7	8,980	63.3	8,990
	170	57.7	7,720	59.5	7,730	61.0	7,740
	180	55.4	6,610	57.2	6,620	58.7	6,640
	190	53.0	5,630	54.8	5,630	56.3	5,650
	200	50.6	4,760	52.3	4,770	53.7	4,790
	210	48.0	3,990	49.7	4,000	51.1	4,010
	220	45.4	3,280	47.0	3,290	48.4	3,310
	230	42.6	2,660	44.2	2,670	45.5	2,690
	240	39.6	2,100	41.2	2,110	42.5	2,130

70' Jib length																	
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)
	50	81.0	21,370*	-	-	-	-		50	81.0	21,370*	-	-	-	-		
	60	78.6	20,590*	-	-	-	-		60	78.6	20,590*	-	-	-	-		
	70	76.3	19,880*	78.9	17,820*	-	-		70	76.3	19,880*	78.9	17,820*	-	-		
	80	73.9	19,250*	76.6	17,310*	79.1	15,880*		80	73.9	19,250*	76.6	17,310*	79.1	15,880*		
	90	71.5	18,560*	74.1	16,840*	76.6	15,420*		90	71.5	18,560*	74.1	16,840*	76.6	15,420*		
	100	69.1	18,010*	71.7	16,440*	74.1	14,990*		100	69.1	18,010*	71.7	16,440*	74.1	14,990*		
180'	110	66.6	17,440*	69.2	15,960*	71.6	14,640*		110	66.6	17,440*	69.2	15,960*	71.6	14,640*		
	120	64.0	16,930*	66.6	15,480*	69.0	14,260*		120	64.0	16,930*	66.6	15,480*	69.0	14,260*		
	130	61.4	16,440*	64.0	15,000*	66.3	13,730*		130	61.4	16,440*	64.0	15,000*	66.3	13,730*		
	140	58.8	14,740	61.3	14,640*	63.6	13,120*		140	58.8	14,740	61.3	14,640*	63.6	13,120*		
	150	56.0	13,080	58.5	13,090	60.8	12,580*		150	56.0	13,080	58.5	13,090	60.8	12,580*		
	160	53.2	11,640	55.7	11,650	57.8	11,670		160	53.2	11,640	55.7	11,650	57.8	11,670		
	170	50.2	10,400	52.7	10,410	54.8	10,430		170	50.2	10,400	52.7	10,410	54.8	10,430		
	180	47.1	9,310	49.5	9,320	51.6	9,340		180	47.1	9,310	49.5	9,320	51.6	9,340		



LOAD CHART

HC 165

**With 77SI Offset Tip Boom and 102,000 Pound Upper Counterweight
#16HL Jib**

102,000 lb				360°				ANSI B 30.5							
70' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
190'	52	80.9	21,300*	-	-	-	-	57	80.8	21,020*	-	-	-	-	
	60	79.1	20,740*	-	-	-	-	60	80.2	20,800*	-	-	-	-	
	70	76.8	19,950*	79.4	17,910*	-	-	70	78.2	20,170*	80.5	17,880*	-	-	
	80	74.5	19,320*	77.1	17,350*	79.5	15,870*	80	76.2	19,590*	78.5	17,420*	80.6	15,770*	
	90	72.2	18,740*	74.8	16,890*	77.2	15,440*	90	74.1	18,980*	76.4	17,010*	78.6	15,500*	
	100	69.9	18,130*	72.4	16,510*	74.8	15,020*	100	72.1	18,500*	74.3	16,610*	76.4	15,210*	
	110	67.5	17,580*	70.0	16,110*	72.3	14,680*	110	70.0	17,920*	72.2	16,260*	74.3	14,820*	
	120	65.1	17,080*	67.6	15,600*	69.9	14,360*	120	67.8	17,290	70.1	15,920*	72.1	14,510*	
	130	62.6	16,240	65.1	15,130*	67.3	13,960*	130	65.7	14,990	67.9	15,000	69.9	14,200*	
	140	60.1	14,310	62.6	14,320	64.8	13,320*	140	63.5	13,040	65.7	13,050	67.7	13,070	
200'	150	57.5	12,650	59.9	12,660	62.1	12,680	150	61.2	11,380	63.4	11,390	65.4	11,400	
	160	54.8	11,220	57.2	11,230	59.3	11,250	160	58.9	9,940	61.1	9,950	63.1	9,970	
	170	52.1	9,970	54.4	9,980	56.5	10,000	170	56.6	8,690	58.8	8,690	60.6	8,710	
	180	49.2	8,870	51.5	8,880	53.5	8,900	180	54.2	7,580	56.3	7,590	58.2	7,610	
	190	46.1	7,910	48.4	7,920	50.4	7,940	190	51.7	6,610	53.8	6,620	55.6	6,640	
								200	49.1	5,740	51.2	5,750	52.9	5,770	
210'	53	81.0	21,240*	-	-	-	-	210	46.4	4,960	48.4	4,970	50.1	4,990	
	60	79.5	20,790*	-	-	-	-	220	43.5	4,270	45.5	4,280	47.2	4,300	
	70	77.3	20,110*	79.8	17,920*	-	-	230'	58	80.9	20,970*	-	-	-	-
	80	75.1	19,390*	77.6	17,400*	79.9	15,860*		60	80.5	20,850*	-	-	-	-
	90	72.9	18,830*	75.4	16,940*	77.7	15,520*		70	78.6	20,270*	80.8	17,900*	-	-
	100	70.7	18,230*	73.1	16,580*	75.4	15,120*		80	76.6	19,650*	78.9	17,460*	81.0	15,780*
	110	68.4	17,700*	70.8	16,130*	73.1	14,730*		90	74.7	19,050*	76.9	17,050*	79.0	15,520*
	120	66.1	17,210*	68.5	15,720*	70.7	14,420*		100	72.7	18,540*	74.9	16,660*	76.9	15,230*
	130	63.7	15,830	66.1	15,320*	68.3	14,100*		110	70.7	18,070*	72.9	16,280*	74.9	14,910*
	140	61.3	13,900	63.7	13,910	65.8	13,550*		120	68.6	16,890	70.8	15,970*	72.8	14,560*
150	58.9	12,240	61.2	12,240	63.3	12,260	130		66.5	14,590	68.7	14,590	70.7	14,240*	
160	56.3	10,800	58.7	10,810	60.7	10,820	140		64.4	12,650	66.6	12,660	68.5	12,670	
220'	170	53.7	9,550	56.0	9,560	58.0	9,580	150	62.3	10,980	64.4	10,990	66.3	11,010	
	180	51.0	8,450	53.3	8,460	55.2	8,480	160	60.1	9,540	62.2	9,550	64.1	9,570	
	190	48.2	7,480	50.4	7,490	52.3	7,510	170	57.9	8,280	59.9	8,290	61.8	8,310	
	200	45.2	6,620	47.4	6,630	49.2	6,650	180	55.5	7,180	57.6	7,190	59.4	7,210	
								190	53.2	6,210	55.2	6,220	57.0	6,240	
								200	50.7	5,330	52.8	5,340	54.5	5,360	
240'	55	80.9	21,110*	-	-	-	-	210	48.2	4,560	50.2	4,570	51.9	4,590	
	60	79.9	20,840*	-	-	-	-	220	45.5	3,860	47.5	3,870	49.1	3,890	
	70	77.8	20,100*	80.2	17,940*	80.3	15,840*	230	42.7	3,230	44.7	3,240	46.2	3,270	
	80	75.7	19,530*	78.0	17,440*	80.3	15,840*	250'	60	80.8	20,810*	-	-	-	-
	90	73.5	18,900*	75.9	17,040*	78.1	15,490*		70	79.0	20,240*	-	-	-	-
	100	71.4	18,420*	73.7	16,630*	75.9	15,130*		80	77.1	19,710*	79.2	17,460*	-	-
110	69.2	17,850*	71.6	16,200*	73.7	14,760*	90		75.2	19,110*	77.3	17,080*	79.3	15,430*	
120	67.0	17,380*	69.3	15,860*	71.5	14,470*	100		73.3	18,650*	75.4	16,700*	77.4	15,190*	
130	64.8	15,410	67.1	15,400*	69.2	14,160*	110		71.3	18,110*	73.4	16,300*	75.4	14,920*	
260'	140	62.5	13,460	64.7	13,470	66.8	13,490	120	69.3	16,460	71.5	16,000*	73.4	14,580*	
	150	60.1	11,800	62.4	11,810	64.4	11,830	130	67.3	14,160	69.4	14,170	71.4	14,190	
	160	57.7	10,370	59.9	10,380	61.9	10,400	140	65.3	12,220	67.4	12,220	69.3	12,240	
	170	55.2	9,110	57.4	9,120	59.4	9,140	150	63.3	10,550	65.3	10,560	67.2	10,580	
	180	52.7	8,010	54.9	8,020	56.8	8,040	160	61.2	9,110	63.2	9,110	65.0	9,130	
	190	50.0	7,040	52.2	7,050	54.0	7,070	170	59.0	7,850	61.1	7,860	62.9	7,880	
	200	47.2	6,170	49.4	6,180	51.2	6,200	180	56.8	6,740	58.8	6,750	60.6	6,770	
	210	44.3	5,400	46.5	5,410	48.2	5,430	190	54.6	5,770	56.6	5,780	58.3	5,800	
								200	52.2	4,890	54.2	4,900	55.9	4,920	
								210	49.8	4,110	51.8	4,120	53.4	4,140	
280'								220	47.3	3,420	49.3	3,430	50.9	3,450	
								230	44.7	2,780	46.6	2,790	48.2	2,820	
								240	42.0	2,210	43.9	2,230	45.3	2,250	

**TEREX®**



LOAD CHART

HC 165

**With 77SI Offset Tip Boom and 102,000 Pound Upper Counterweight
#16HL Jib**

 102,000 lb				360°				ANSI B 30.5							
80' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
200'	56	80.9	16,550*	-	-	-	-		61	80.8	16,310*	-	-	-	-
	60	80.0	16,300*	-	-	-	-		70	79.1	15,790*	-	-	-	-
	70	77.9	15,600*	80.7	13,680*	-	-		80	77.2	15,220*	79.7	13,300*	-	-
	80	75.8	15,020*	78.6	13,260*	-	-		90	75.3	14,700*	77.8	12,920*	80.1	11,330*
	90	73.7	14,470*	76.4	12,760*	79.0	11,270*		100	73.4	14,200*	75.9	12,480*	78.1	10,990*
	100	71.6	14,000*	74.3	12,310*	76.8	10,920*		110	71.5	13,770*	73.9	12,080*	76.2	10,670*
	110	69.4	13,490*	72.1	11,870*	74.6	10,600*		120	69.5	13,340*	71.9	11,670*	74.2	10,420*
	120	67.2	12,980*	69.8	11,470*	72.3	10,340*		130	67.5	12,960*	69.9	11,320*	72.1	10,180*
	130	64.9	12,480*	67.6	11,080*	70.0	10,060*		140	65.5	12,480*	67.9	10,990*	70.1	9,970*
	140	62.6	12,000*	65.3	10,760*	67.6	9,860*		150	63.4	11,110	65.8	10,720*	67.9	9,740*
	150	60.3	11,600*	62.9	10,450*	65.2	9,660*		160	61.3	9,680	63.7	9,690	65.8	9,560*
	160	57.9	10,920	60.5	10,190*	62.8	9,450*		170	59.2	8,410	61.5	8,420	63.6	8,440
	170	55.4	9,670	58.0	9,680	60.2	9,290*		180	57.0	7,300	59.3	7,310	61.3	7,340
	180	52.8	8,570	55.4	8,580	57.6	8,600		190	54.7	6,330	57.0	6,340	59.0	6,360
	190	50.2	7,600	52.7	7,610	54.8	7,630		200	52.4	5,460	54.7	5,470	56.6	5,500
	200	47.4	6,730	49.9	6,740	52.0	6,770		210	50.0	4,680	52.2	4,690	54.2	4,720
210'	57	81.0	16,490*	-	-	-	-		62	80.9	16,250*	-	-	-	-
	60	80.4	16,280*	-	-	-	-		70	79.5	15,800*	-	-	-	-
	70	78.4	15,710*	-	-	-	-		80	77.6	15,260*	80.0	13,270*	-	-
	80	76.3	15,130*	79.0	13,280*	-	-		90	75.8	14,760*	78.2	12,950*	80.4	11,340*
	90	74.3	14,550*	76.9	12,850*	79.4	11,290*		100	73.9	14,270*	76.3	12,590*	78.5	11,010*
	100	72.2	14,090*	74.8	12,350*	77.3	10,940*		110	72.1	13,840*	74.4	12,140*	76.6	10,710*
	110	70.1	13,600*	72.7	11,950*	75.1	10,640*		120	70.2	13,430*	72.5	11,740*	74.7	10,470*
	120	68.0	13,150*	70.6	11,560*	73.0	10,360*		130	68.3	13,050*	70.6	11,420*	72.7	10,190*
	130	65.9	12,640*	68.4	11,180*	70.8	10,130*		140	66.3	12,350	68.6	11,080*	70.7	9,990*
	140	63.7	12,160*	66.2	10,840*	68.5	9,900*		150	64.3	10,690	66.6	10,700	68.7	9,780*
	150	61.4	11,750*	63.9	10,540*	66.2	9,670*		160	62.3	9,240	64.6	9,250	66.7	9,270
	160	59.1	10,490	61.6	10,280*	63.9	9,490*		170	60.2	7,980	62.5	7,990	64.5	8,010
	170	56.8	9,240	59.2	9,250	61.4	9,270		180	58.1	6,880	60.4	6,890	62.4	6,910
	180	54.3	8,140	56.8	8,150	58.9	8,170		190	56.0	5,900	58.2	5,910	60.2	5,930
	190	51.8	7,170	54.3	7,180	56.4	7,200		200	53.8	5,020	56.0	5,040	57.9	5,060
	200	49.2	6,300	51.6	6,310	53.7	6,330		210	51.5	4,240	53.7	4,250	55.6	4,280
210	46.5	5,520	48.9	5,530	50.9	5,560		220	49.1	3,540	51.3	3,550	53.1	3,580	
220'	59	80.9	16,420*	-	-	-	-		63	80.9	16,250*	-	-	-	-
	60	80.7	16,300*	-	-	-	-		70	79.5	15,800*	-	-	-	-
	70	78.8	15,750*	-	-	-	-		80	77.6	15,260*	80.0	13,270*	-	-
	80	76.8	15,170*	79.4	13,260*	-	-		90	75.8	14,760*	78.2	12,950*	80.4	11,340*
	90	74.8	14,630*	77.4	12,880*	79.8	11,310*		100	73.9	14,270*	76.3	12,590*	78.5	11,010*
	100	72.8	14,180*	75.4	12,420*	77.7	10,970*		110	72.1	13,840*	74.4	12,140*	76.6	10,710*
	110	70.8	13,690*	73.3	12,010*	75.7	10,670*		120	70.2	13,430*	72.5	11,740*	74.7	10,470*
	120	68.8	13,290*	71.3	11,590*	73.6	10,420*		130	68.3	13,050*	70.6	11,420*	72.7	10,190*
	130	66.7	12,830*	69.2	11,280*	71.5	10,160*		140	66.3	12,350	68.6	11,080*	70.7	9,990*
	140	64.6	12,350*	67.1	10,920*	69.3	9,930*		150	64.3	10,690	66.6	10,700	68.7	9,780*
	150	62.5	11,510	64.9	10,620*	67.1	9,730*		160	62.3	9,240	64.6	9,250	66.7	9,270
	160	60.3	10,070	62.7	10,080	64.9	9,520*		170	60.2	7,980	62.5	7,990	64.5	8,010
	170	58.0	8,820	60.4	8,830	62.6	8,850		180	58.1	6,880	60.4	6,890	62.4	6,910
	180	55.7	7,710	58.1	7,720	60.2	7,740		190	56.0	5,900	58.2	5,910	60.2	5,930
	190	53.3	6,740	55.7	6,750	57.8	6,770		200	53.8	5,020	56.0	5,040	57.9	5,060
	200	50.9	5,860	53.2	5,880	55.2	5,900		210	51.5	4,240	53.7	4,250	55.6	4,280
210	48.3	5,090	50.7	5,100	52.6	5,120		220	49.1	3,540	51.3	3,550	53.1	3,580	
220	45.7	4,390	48.0	4,400	49.8	4,430		230	46.7	2,910	48.8	2,920	50.6	2,940	
								240	44.1	2,340	46.2	2,360	47.9	2,380	



LOAD CHART

HC 165

**With 77SI Offset Tip Boom and 116,400 Pound Counterweight
#16HL Jib**

108,400 lb + 8,000 lb carbody counterweight								360°		ANSI B 30.5					
40' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
100'	31	80.6	32,000*	-	-	-	-	140'	37	80.8	32,000*	-	-	-	-
	35	78.9	32,000*	-	-	-	-		40	79.8	32,000*	-	-	-	-
	40	76.9	32,000*	79.6	32,000*	-	-		50	76.6	32,000*	78.7	32,000*	80.7	32,000*
	50	72.6	32,000*	75.3	32,000*	77.8	31,510*		60	73.3	32,000*	75.4	32,000*	77.3	30,910*
	60	68.3	32,000*	71.0	32,000*	73.4	28,280*		70	69.9	32,000*	72.0	32,000*	73.9	28,450*
	70	63.8	32,000*	66.4	31,740*	68.8	25,680*		80	66.5	32,000*	68.6	32,000*	70.4	26,350*
	80	59.2	32,000*	61.7	28,780*	64.0	23,630*		90	63.0	32,000*	65.0	30,600*	66.8	24,570*
	90	54.2	30,280*	56.8	26,380*	59.0	21,980*		100	59.3	28,010	61.3	28,010	63.1	23,090*
	100	49.0	27,480*	51.4	24,450*	53.5	20,650*		110	55.6	24,480	57.5	24,480	59.2	21,890*
									120	51.6	21,590	53.5	21,600	55.1	20,780*
110'	32	80.8	32,000*	-	-	-	-	150'	130	47.4	19,190	49.2	19,200	50.8	19,210
	35	79.7	32,000*	-	-	-	-		140	42.8	17,170	44.7	17,180	46.1	17,190
	40	77.7	32,000*	80.3	32,000*	-	-								
	50	73.8	32,000*	76.3	32,000*	78.7	32,000*		38	81.0	32,000*	-	-	-	-
	60	69.8	32,000*	72.3	32,000*	74.6	28,980*		40	80.3	32,000*	-	-	-	-
	70	65.7	32,000*	68.1	32,000*	70.4	26,500*		50	77.3	32,000*	79.3	32,000*	-	-
	80	61.4	32,000*	63.8	30,030*	66.0	24,370*		60	74.2	32,000*	76.2	32,000*	78.0	31,480*
	90	57.0	32,000*	59.3	27,580*	61.4	22,710*		70	71.0	32,000*	73.0	32,000*	74.8	28,990*
	100	52.2	29,050*	54.6	25,450*	56.6	21,280*		80	67.8	32,000*	69.8	32,000*	71.5	26,990*
	110	47.2	25,620	49.5	23,790*	51.4	20,120*		90	64.5	32,000*	66.4	31,540*	68.2	25,210*
120'	34	80.7	32,000*	-	-	-	-	160'	100	61.1	27,600	63.0	27,610	64.7	23,680*
	35	80.3	32,000*	-	-	-	-		110	57.6	24,080	59.5	24,090	61.1	22,430*
	40	78.5	32,000*	80.9	32,000*	-	-		120	53.9	21,190	55.8	21,200	57.4	21,210
	50	74.9	32,000*	77.2	32,000*	79.4	32,000*		130	50.1	18,790	51.9	18,800	53.4	18,810
	60	71.1	32,000*	73.5	32,000*	75.6	29,690*		140	46.0	16,750	47.8	16,760	49.2	16,770
	70	67.3	32,000*	69.6	32,000*	71.7	27,140*		150	41.6	15,030	43.3	15,030	44.7	15,050
	80	63.4	32,000*	65.6	31,170*	67.7	25,050*								
	90	59.3	32,000*	61.5	28,640*	63.5	23,330*		40	80.8	32,000*	-	-	-	-
	100	55.0	28,750	57.2	26,480*	59.1	21,910*		50	77.9	32,000*	79.8	32,000*	-	-
	110	50.4	25,240	52.6	24,750*	54.5	20,730*		60	75.0	32,000*	76.9	32,000*	78.6	31,940*
130'	120	45.6	22,360	47.7	22,370	49.4	19,770*	70	72.0	32,000*	73.9	32,000*	75.6	29,580*	
	35	80.9	32,000*	-	-	-	-	170'	80	69.0	32,000*	70.8	32,000*	72.5	27,520*
	40	79.2	32,000*	-	-	-	-		90	65.9	31,590	67.7	31,600	69.4	25,740*
	50	75.8	32,000*	78.0	32,000*	80.1	32,000*		100	62.7	27,190	64.5	27,190	66.1	24,220*
	60	72.3	32,000*	74.5	32,000*	76.5	30,320*		110	59.4	23,650	61.2	23,660	62.8	22,980*
	70	68.7	32,000*	70.9	32,000*	72.9	27,880*		120	56.0	20,770	57.8	20,770	59.3	20,780
	80	65.0	32,000*	67.2	32,000*	69.2	25,790*		130	52.5	18,360	54.2	18,370	55.7	18,380
	90	61.3	32,000*	63.4	29,620*	65.3	23,990*		140	48.7	16,330	50.4	16,340	51.9	16,350
	100	57.3	28,410	59.4	27,530*	61.3	22,550*		150	44.8	14,600	46.4	14,600	47.8	14,620
	110	53.2	24,890	55.3	24,890	57.0	21,300*		160	40.5	13,100	42.1	13,110	43.3	13,120
120	48.8	22,000	50.9	22,010	52.5	20,280*									
140'	130	44.1	19,610	46.1	19,620	47.7	19,400*	180'	41	81.0	32,000*	-	-	-	-
									50	78.5	32,000*	80.3	32,000*	-	-
									60	75.7	32,000*	77.5	32,000*	79.2	32,000*
									70	72.9	32,000*	74.7	32,000*	76.3	29,950*
									80	70.0	32,000*	71.8	32,000*	73.4	27,990*
									90	67.1	31,190	68.8	31,200	70.4	26,220*
									100	64.1	26,790	65.8	26,790	67.4	24,710*
									110	61.0	23,250	62.7	23,260	64.3	23,270
									120	57.8	20,360	59.5	20,360	61.0	20,380
									130	54.5	17,950	56.2	17,960	57.6	17,970
150'								190'	140	51.1	15,920	52.7	15,920	54.1	15,940
									150	47.5	14,180	49.1	14,190	50.4	14,200
									160	43.6	12,680	45.2	12,680	46.4	12,700
									170	39.5	11,370	41.0	11,380	42.1	11,390

**TEREX®**



LOAD CHART

HC 165

With 77SI Offset Tip Boom and 116,400 Pound Counterweight #16HL Jib

108,400 lb + 8,000 lb carbody counterweight								360°		ANSI B 30.5					
40' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
180'	43	80.9	32,000*	-	-	-	-	48	80.8	32,000*	-	-	-	-	
	50	79.0	32,000*	80.8	32,000*	-	-	50	80.4	32,000*	-	-	-	-	
	60	76.4	32,000*	78.1	32,000*	79.7	32,000*	60	78.0	32,000*	79.6	32,000*	81.0	32,000*	
	70	73.7	32,000*	75.4	32,000*	77.0	30,450*	70	75.7	32,000*	77.2	32,000*	78.6	31,760*	
	80	71.0	32,000*	72.7	32,000*	74.2	28,440*	80	73.3	32,000*	74.8	32,000*	76.2	29,790*	
	90	68.2	30,820	69.9	30,830	71.4	26,700*	90	70.9	29,580	72.4	29,590	73.8	28,010*	
	100	65.4	26,410	67.0	26,420	68.5	25,170*	100	68.5	25,160	69.9	25,160	71.3	25,170	
	110	62.4	22,880	64.1	22,880	65.6	22,890	110	66.0	21,620	67.4	21,630	68.8	21,640	
	120	59.5	19,980	61.1	19,990	62.5	20,000	120	63.4	18,710	64.9	18,720	66.2	18,730	
	130	56.4	17,570	58.0	17,580	59.4	17,590	130	60.9	16,300	62.3	16,300	63.6	16,310	
	140	53.2	15,540	54.8	15,540	56.1	15,560	140	58.2	14,260	59.6	14,260	60.8	14,270	
	150	49.8	13,800	51.4	13,800	52.7	13,820	150	55.4	12,510	56.8	12,510	58.0	12,530	
160	46.3	12,290	47.8	12,300	49.1	12,310	160	52.6	10,990	54.0	11,000	55.1	11,010		
170	42.6	10,980	44.0	10,990	45.2	11,000	170	49.6	9,670	51.0	9,680	52.1	9,690		
180	38.5	9,840	39.9	9,840	41.0	9,860	180	46.5	8,520	47.9	8,520	49.0	8,540		
								190	43.3	7,490	44.6	7,500	45.6	7,510	
								200	39.8	6,590	41.1	6,600	42.0	6,610	
								210	36.0	5,790	37.2	5,800	38.1	5,810	
	45	80.8	32,000*	-	-	-	-	49	81.0	32,000*	-	-	-	-	
	50	79.5	32,000*	-	-	-	-	50	80.7	32,000*	-	-	-	-	
190'	60	77.0	32,000*	78.6	32,000*	80.2	32,000*	60	78.5	32,000*	80.0	32,000*	-	-	
	70	74.4	32,000*	76.1	32,000*	77.6	30,910*	70	76.2	32,000*	77.7	32,000*	79.1	32,000*	
	80	71.8	32,000*	73.4	32,000*	74.9	28,870*	80	74.0	32,000*	75.4	32,000*	76.8	30,080*	
	90	69.2	30,410	70.8	30,420	72.3	27,220*	90	71.7	29,170	73.1	29,180	74.4	28,440*	
	100	66.5	25,990	68.1	26,000	69.5	25,650*	100	69.3	24,740	70.8	24,740	72.1	24,750	
	110	63.7	22,450	65.3	22,460	66.7	22,470	110	67.0	21,200	68.4	21,200	69.6	21,210	
	120	60.9	19,560	62.5	19,560	63.9	19,580	120	64.5	18,290	65.9	18,300	67.2	18,310	
	130	58.0	17,150	59.6	17,150	60.9	17,160	130	62.1	15,870	63.5	15,880	64.7	15,890	
	140	55.0	15,110	56.6	15,120	57.9	15,130	140	59.5	13,830	60.9	13,840	62.1	13,850	
	150	51.9	13,370	53.4	13,370	54.7	13,380	150	56.9	12,080	58.3	12,090	59.5	12,100	
	160	48.7	11,860	50.1	11,860	51.4	11,870	160	54.3	10,560	55.6	10,570	56.8	10,580	
	170	45.2	10,540	46.7	10,550	47.8	10,560	170	51.5	9,240	52.8	9,250	53.9	9,260	
180	41.6	9,390	43.0	9,400	44.1	9,410	180	48.6	8,080	49.9	8,090	51.0	8,100		
190	37.6	8,380	39.0	8,390	40.0	8,400	190	45.6	7,060	46.9	7,060	47.9	7,080		
	46	80.9	32,000*	-	-	-	-	200	42.4	6,160	43.6	6,160	44.6	6,180	
	50	80.0	32,000*	-	-	-	-	210	39.0	5,340	40.2	5,350	41.1	5,360	
200'	60	77.5	32,000*	79.1	32,000*	80.6	32,000*	220	35.3	4,620	36.4	4,620	37.2	4,640	
	70	75.1	32,000*	76.6	32,000*	78.1	31,340*		51	80.9	32,000*	-	-	-	-
	80	72.6	32,000*	74.2	32,000*	75.6	29,380*		60	78.9	32,000*	80.3	32,000*	-	-
	90	70.1	30,000	71.6	30,010	73.0	27,670*		70	76.8	32,000*	78.2	32,000*	79.5	32,000*
	100	67.5	25,580	69.1	25,590	70.4	25,600		80	74.6	32,000*	76.0	32,000*	77.3	30,500*
	110	64.9	22,040	66.4	22,050	67.8	22,060		90	72.4	28,780	73.8	28,790	75.0	28,770*
	120	62.2	19,150	63.8	19,150	65.1	19,160		100	70.1	24,360	71.5	24,360	72.8	24,370
	130	59.5	16,720	61.0	16,730	62.3	16,740		110	67.9	20,810	69.2	20,810	70.5	20,820
	140	56.7	14,680	58.2	14,690	59.4	14,700		120	65.6	17,900	66.9	17,900	68.1	17,910
	150	53.8	12,940	55.2	12,940	56.5	12,950		130	63.2	15,480	64.5	15,490	65.7	15,500
	160	50.7	11,430	52.2	11,440	53.4	11,450		140	60.8	13,440	62.1	13,440	63.3	13,450
	170	47.6	10,120	49.0	10,120	50.1	10,130		150	58.3	11,690	59.6	11,690	60.8	11,700
180	44.2	8,960	45.6	8,970	46.7	8,980		160	55.8	10,170	57.1	10,170	58.2	10,180	
190	40.6	7,940	42.0	7,950	43.0	7,970		170	53.2	8,840	54.5	8,850	55.5	8,860	
200	36.8	7,040	38.1	7,050	39.0	7,070		180	50.5	7,680	51.7	7,690	52.8	7,700	
								190	47.6	6,650	48.9	6,660	49.9	6,670	
								200	44.7	5,750	45.9	5,750	46.9	5,770	
								210	41.5	4,930	42.7	4,940	43.6	4,950	
								220	38.2	4,210	39.4	4,210	40.2	4,230	
								230	34.6	3,550	35.7	3,560	36.5	3,580	



LOAD CHART

HC 165

**With 77SI Offset Tip Boom and 116,400 Pound Counterweight
#16HL Jib**

108,400 lb + 8,000 lb carbody counterweight								360°				ANSI B 30.5				
40' Jib length																
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)		Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
	52	81.0	32,000*	-	-	-	-			54	80.9	32,000*	-	-	-	-
	60	79.3	32,000*	80.7	32,000*	-	-			60	79.7	32,000*	-	-	-	-
	70	77.2	32,000*	78.6	32,000*	79.9	32,000*			70	77.7	32,000*	79.0	32,000*	80.2	32,000*
	80	75.1	32,000*	76.5	32,000*	77.7	30,780*			80	75.7	32,000*	77.0	32,000*	78.2	31,190*
	90	73.0	28,360	74.4	28,370	75.6	28,380			90	73.6	27,950	74.9	27,960	76.1	27,970
	100	70.9	23,940	72.2	23,940	73.4	23,950			100	71.6	23,520	72.8	23,520	74.0	23,530
	110	68.7	20,390	70.0	20,390	71.2	20,400			110	69.5	19,970	70.7	19,970	71.9	19,980
	120	66.5	17,480	67.8	17,480	69.0	17,490			120	67.3	17,060	68.6	17,060	69.7	17,070
240'	130	64.2	15,050	65.5	15,050	66.7	15,070		250'	130	65.2	14,630	66.4	14,630	67.6	14,640
	140	61.9	13,000	63.2	13,010	64.3	13,020			140	63.0	12,580	64.2	12,590	65.3	12,600
	150	59.6	11,250	60.9	11,260	62.0	11,270			150	60.7	10,830	62.0	10,830	63.1	10,840
	160	57.2	9,730	58.4	9,740	59.5	9,750			160	58.4	9,300	59.7	9,310	60.7	9,320
	170	54.7	8,410	55.9	8,420	57.0	8,430			170	56.1	7,980	57.3	7,980	58.3	7,990
	180	52.1	7,250	53.4	7,250	54.4	7,270			180	53.7	6,810	54.9	6,820	55.9	6,830
	190	49.5	6,220	50.7	6,220	51.7	6,240			190	51.2	5,780	52.3	5,780	53.3	5,800
	200	46.7	5,300	47.9	5,310	48.9	5,320			200	48.6	4,870	49.7	4,870	50.7	4,890
	210	43.8	4,480	45.0	4,490	45.9	4,500			210	45.9	4,040	47.0	4,050	47.9	4,060
	220	40.8	3,750	41.9	3,760	42.8	3,770			220	43.0	3,310	44.1	3,320	45.0	3,330
	230	37.5	3,090	38.6	3,100	39.4	3,110			230	40.0	2,640	41.1	2,650	41.9	2,670
	240	33.9	2,510	35.0	2,520	35.7	2,530			240	36.8	2,050	37.9	2,060	38.6	2,080

50' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
	38	80.7	32,000*	-	-	-	-		41	80.8	32,000*	-	-	-	-
	40	80.1	31,900*	-	-	-	-		50	78.2	31,020*	80.6	28,330*	-	-
	50	76.8	30,710*	79.5	28,230*	-	-		60	75.2	29,930*	77.6	27,520*	79.8	25,640*
	60	73.6	29,560*	76.2	27,410*	78.6	25,610*		70	72.3	29,000*	74.6	26,860*	76.8	24,550*
130'	70	70.2	28,590*	72.8	26,560*	75.2	23,760*	150'	80	69.2	28,120*	71.6	26,210*	73.7	22,850*
	80	66.8	27,570*	69.4	25,940*	71.7	21,930*		90	66.1	27,290*	68.4	25,650*	70.5	21,310*
	90	63.3	26,760*	65.8	25,250*	68.1	20,400*		100	62.9	26,560*	65.2	25,070*	67.3	20,000*
	100	59.6	26,020*	62.1	23,580*	64.4	19,140*		110	59.7	24,260	61.9	23,410*	63.9	18,900*
	110	55.8	25,070	58.3	21,960*	60.5	18,090*		120	56.3	21,380	58.5	21,380	60.4	17,980*
	120	51.8	22,190	54.3	20,590*	56.4	17,170*		130	52.7	18,970	54.9	18,980	56.8	17,160*
	130	47.6	19,790	50.0	19,480*	52.0	16,340*		140	49.0	16,940	51.1	16,950	53.0	16,430*
									150	45.0	15,210	47.1	15,210	48.8	15,230
	39	80.9	32,000*	-	-	-	-		42	81.0	31,940*	-	-	-	-
	40	80.6	32,000*	-	-	-	-		50	78.7	31,170*	-	-	-	-
	50	77.5	30,800*	80.1	28,220*	-	-		60	76.0	30,160*	78.2	27,640*	80.3	25,700*
	60	74.4	29,810*	76.9	27,440*	79.3	25,670*		70	73.1	29,170*	75.4	26,930*	77.5	24,960*
140'	70	71.3	28,740*	73.8	26,710*	76.1	24,150*	160'	80	70.3	28,340*	72.5	26,380*	74.5	23,220*
	80	68.1	27,890*	70.5	26,030*	72.8	22,350*		90	67.3	27,610*	69.5	25,740*	71.5	21,690*
	90	64.8	27,100*	67.2	25,460*	69.4	20,920*		100	64.3	26,890*	66.5	25,190*	68.5	20,400*
	100	61.4	26,290*	63.8	24,300*	65.9	19,600*		110	61.2	23,840	63.4	23,850	65.3	19,340*
	110	57.9	24,660	60.2	22,720*	62.3	18,520*		120	58.1	20,950	60.2	20,960	62.1	18,340*
	120	54.2	21,770	56.5	21,310*	58.6	17,570*		130	54.8	18,540	56.9	18,550	58.7	17,500*
	130	50.3	19,370	52.6	19,380	54.6	16,750*		140	51.3	16,510	53.4	16,520	55.2	16,530
	140	46.3	17,350	48.5	17,350	50.4	16,100*		150	47.7	14,770	49.7	14,780	51.4	14,790
									160	43.8	13,280	45.8	13,290	47.4	13,300

**TEREX®**



LOAD CHART

HC 165

**With 77SI Offset Tip Boom and 116,400 Pound Counterweight
#16HL Jib**

108,400 lb + 8,000 lb carbody counterweight								360°		ANSI B 30.5						
50' Jib length																
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	
170'	44	80.8	31,790*	-	-	-	-	200'	49	80.8	31,430*	-	-	-	-	
	50	79.3	31,190*	-	-	-	-		50	80.6	31,320*	-	-	-	-	
	60	76.6	30,230*	78.8	27,630*	80.8	25,710*		60	78.2	30,580*	80.1	27,800*	-	-	
	70	73.9	29,400*	76.1	27,080*	78.1	25,240*		70	75.9	29,760*	77.8	27,210*	79.6	25,200*	
	80	71.2	28,560*	73.3	26,430*	75.3	23,620*		80	73.5	29,010*	75.4	26,650*	77.1	24,550*	
	90	68.4	27,740*	70.5	25,900*	72.5	22,120*		90	71.1	28,290*	73.0	26,090*	74.7	23,100*	
	100	65.6	26,960	67.7	25,390*	69.6	20,860*		100	68.7	25,760	70.5	25,700*	72.2	21,810*	
	110	62.7	23,430	64.7	23,430	66.6	19,740*		110	66.2	22,220	68.0	22,230	69.7	20,740*	
	120	59.7	20,530	61.7	20,540	63.6	18,750*		120	63.6	19,320	65.5	19,330	67.1	19,340	
	130	56.6	18,120	58.6	18,130	60.4	17,850*		130	61.0	16,910	62.9	16,910	64.5	16,930	
	140	53.4	16,090	55.4	16,100	57.1	16,110		140	58.4	14,870	60.2	14,870	61.7	14,890	
	150	50.1	14,350	52.0	14,350	53.7	14,370		150	55.6	13,120	57.4	13,130	58.9	13,140	
160	46.5	12,850	48.5	12,860	50.0	12,870	160	52.8	11,600	54.5	11,610	56.0	11,630			
170	42.8	11,540	44.7	11,550	46.2	11,560	170	49.8	10,290	51.6	10,300	53.0	10,310			
	45	81.0	31,770*	-	-	-	-	210'	180	46.7	9,140	48.4	9,140	49.8	9,160	
	50	79.7	31,230*	-	-	-	-		190	43.5	8,110	45.1	8,120	46.4	8,140	
	60	77.2	30,360*	79.3	27,700*	-	-		200	40.0	7,210	41.6	7,220	42.8	7,240	
	70	74.6	29,520*	76.7	27,140*	78.6	25,220*		220'	50	80.9	31,350*	-	-	-	-
	80	72.0	28,650*	74.1	26,540*	76.0	23,960*			60	78.7	30,550*	80.5	27,740*	-	-
	90	69.4	27,990*	71.4	25,950*	73.3	22,470*			70	76.4	29,800*	78.3	27,230*	80.0	25,170*
	100	66.7	26,590	68.7	25,480*	70.5	21,210*			80	74.2	29,040*	76.0	26,620*	77.7	24,770*
	110	64.0	23,050	65.9	23,060	67.7	20,100*			90	71.9	28,360*	73.7	26,200*	75.3	23,470*
	120	61.1	20,160	63.1	20,170	64.9	19,070*			100	69.5	25,340	71.3	25,350	72.9	22,180*
	130	58.2	17,750	60.2	17,750	61.9	17,770			110	67.1	21,800	68.9	21,800	70.5	21,080*
	140	55.2	15,710	57.2	15,720	58.8	15,730			120	64.7	18,890	66.5	18,900	68.1	18,910
	150	52.1	13,970	54.0	13,970	55.6	13,990			130	62.3	16,470	64.0	16,480	65.6	16,490
160	48.9	12,470	50.7	12,470	52.3	12,490	140	59.7		14,430	61.5	14,440	63.0	14,450		
170	45.4	11,150	47.3	11,160	48.8	11,170	150	57.1		12,680	58.9	12,690	60.3	12,700		
180	41.8	10,000	43.6	10,010	45.0	10,030	160	54.5		11,160	56.2	11,170	57.6	11,190		
	47	80.9	31,550*	-	-	-	-	230'	170	51.7	9,850	53.4	9,860	54.8	9,870	
	50	80.2	31,380*	-	-	-	-		180	48.8	8,690	50.4	8,700	51.8	8,710	
	60	77.7	30,470*	79.7	27,760*	-	-		190	45.8	7,670	47.4	7,670	48.7	7,690	
	70	75.3	29,610*	77.3	27,170*	79.1	25,220*		200	42.6	6,760	44.2	6,760	45.4	6,780	
	80	72.8	28,830*	74.8	26,540*	76.6	24,260*		210	39.1	5,950	40.7	5,960	41.8	5,980	
	90	70.3	28,090*	72.2	26,080*	74.0	22,820*		240'	52	80.8	31,140*	-	-	-	-
	100	67.7	26,170	69.7	25,530*	71.4	21,520*			60	79.1	30,600*	80.9	27,680*	-	-
	110	65.1	22,630	67.0	22,640	68.8	20,420*			70	76.9	29,800*	78.7	27,140*	80.4	25,100*
	120	62.5	19,740	64.3	19,740	66.0	19,400*			80	74.8	29,070*	76.5	26,710*	78.1	24,800*
	130	59.7	17,320	61.6	17,330	63.2	17,340			90	72.6	28,420*	74.3	26,190*	75.9	23,730*
	140	56.9	15,280	58.8	15,290	60.4	15,300			100	70.3	24,920	72.0	24,930	73.6	22,420*
	150	54.0	13,540	55.8	13,540	57.4	13,560			110	68.0	21,380	69.8	21,380	71.3	21,380*
160	50.9	12,030	52.8	12,040	54.3	12,060	120	65.7		18,470	67.4	18,470	69.0	18,490		
170	47.8	10,720	49.5	10,720	51.0	10,740	130	63.4		16,050	65.1	16,060	66.6	16,070		
180	44.4	9,560	46.2	9,570	47.6	9,590	140	61.0		14,010	62.6	14,010	64.1	14,030		
190	40.8	8,540	42.5	8,550	43.9	8,570	150	58.5		12,260	60.2	12,260	61.6	12,280		
								160		56.0	10,740	57.6	10,740	59.0	10,760	
								170	53.4	9,420	55.0	9,430	56.3	9,440		
								180	50.6	8,260	52.2	8,270	53.6	8,280		
								190	47.8	7,230	49.4	7,240	50.7	7,250		
								200	44.8	6,320	46.4	6,330	47.6	6,340		
								210	41.7	5,510	43.2	5,520	44.4	5,530		
								220	38.4	4,780	39.9	4,790	40.9	4,800		



LOAD CHART

HC 165

**With 77SI Offset Tip Boom and 116,400 Pound Counterweight
#16HL Jib**

108,400 lb + 8,000 lb carbody counterweight								360°		ANSI B 30.5					
50' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
230'	53	81.0	31,080*	-	-	-	-	250'	56	81.0	30,720*	-	-	-	-
	60	79.5	30,600*	-	-	-	-		60	80.2	30,390*	-	-	-	-
	70	77.4	29,850*	79.1	27,190*	80.7	24,980*		70	78.3	29,780*	79.9	27,030*	-	-
	80	75.3	29,110*	77.0	26,710*	78.6	24,700*		80	76.3	29,170*	77.9	26,550*	79.4	24,540*
	90	73.2	28,480*	74.9	26,190*	76.4	23,990*		90	74.3	28,130	75.9	26,120*	77.4	24,260*
	100	71.0	24,530	72.7	24,540	74.2	22,790*		100	72.4	23,700	73.9	23,710	75.3	23,310*
	110	68.9	20,990	70.5	20,990	72.0	21,010		110	70.3	20,150	71.9	20,150	73.3	20,170
	120	66.7	18,080	68.3	18,080	69.8	18,100		120	68.3	17,240	69.8	17,240	71.2	17,250
	130	64.4	15,660	66.0	15,670	67.5	15,680		130	66.2	14,810	67.8	14,810	69.1	14,820
	140	62.1	13,610	63.7	13,620	65.2	13,630		140	64.1	12,760	65.6	12,760	67.0	12,780
	150	59.8	11,860	61.4	11,870	62.8	11,880		150	62.0	11,000	63.5	11,010	64.8	11,020
	160	57.3	10,340	58.9	10,350	60.3	10,360		160	59.8	9,480	61.3	9,490	62.6	9,500
	170	54.9	9,010	56.4	9,020	57.8	9,030		170	57.5	8,150	59.0	8,160	60.3	8,170
	180	52.3	7,860	53.9	7,870	55.2	7,880		180	55.2	6,980	56.7	6,990	57.9	7,000
	190	49.7	6,830	51.2	6,840	52.5	6,850		190	52.8	5,960	54.3	5,960	55.5	5,980
	200	46.9	5,910	48.4	5,920	49.6	5,940		200	50.4	5,030	51.8	5,040	53.0	5,060
210	44.0	5,100	45.5	5,110	46.6	5,120	210	47.9	4,210	49.3	4,210	50.4	4,230		
220	40.9	4,360	42.4	4,370	43.5	4,390	220	45.2	3,470	46.6	3,480	47.7	3,500		
230	37.6	3,710	39.1	3,720	40.1	3,740	230	42.4	2,810	43.8	2,820	44.8	2,840		
							240	39.5	2,210	40.8	2,220	41.8	2,240		
240'	55	80.9	30,840*	-	-	-	-	250'	56	80.8	30,710*	-	-	-	-
	60	79.9	30,530*	-	-	-	-		60	79.5	30,390*	-	-	-	-
	70	77.9	29,880*	79.5	27,100*	-	-		70	78.3	29,780*	79.9	27,030*	-	-
	80	75.8	29,190*	77.5	26,690*	79.0	24,610*		80	76.3	29,170*	77.9	26,550*	79.4	24,540*
	90	73.8	28,540	75.4	26,250*	76.9	24,230*		90	74.3	28,130	75.9	26,120*	77.4	24,260*
	100	71.7	24,110	73.3	24,120	74.8	23,040*		100	72.4	23,700	73.9	23,710	75.3	23,310*
	110	69.6	20,570	71.2	20,570	72.7	20,590		110	70.3	20,150	71.9	20,150	73.3	20,170
	120	67.5	17,660	69.1	17,660	70.5	17,670		120	68.3	17,240	69.8	17,240	71.2	17,250
	130	65.3	15,230	66.9	15,230	68.3	15,250		130	66.2	14,810	67.8	14,810	69.1	14,820
	140	63.1	13,180	64.7	13,190	66.1	13,200		140	64.1	12,760	65.6	12,760	67.0	12,780
	150	60.9	11,430	62.5	11,430	63.8	11,450		150	62.0	11,000	63.5	11,010	64.8	11,020
	160	58.6	9,900	60.1	9,910	61.5	9,930		160	59.8	9,480	61.3	9,490	62.6	9,500
	170	56.3	8,590	57.8	8,590	59.1	8,610		170	57.5	8,150	59.0	8,160	60.3	8,170
	180	53.8	7,420	55.3	7,430	56.6	7,440		180	55.2	6,980	56.7	6,990	57.9	7,000
	190	51.3	6,390	52.8	6,390	54.1	6,410		190	52.8	5,960	54.3	5,960	55.5	5,980
	200	48.7	5,470	50.2	5,470	51.4	5,490		200	50.4	5,030	51.8	5,040	53.0	5,060
210	46.0	4,650	47.5	4,660	48.6	4,680	210	47.9	4,210	49.3	4,210	50.4	4,230		
220	43.2	3,910	44.6	3,920	45.7	3,940	220	45.2	3,470	46.6	3,480	47.7	3,500		
230	40.2	3,250	41.6	3,260	42.6	3,280	230	42.4	2,810	43.8	2,820	44.8	2,840		
240	37.0	2,660	38.3	2,670	39.3	2,690	240	39.5	2,210	40.8	2,220	41.8	2,240		
60' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
150'	43	80.9	28,920*	-	-	-	-	160'	45	80.8	28,710*	-	-	-	-
	50	79.0	28,190*	-	-	-	-		50	79.5	28,220*	-	-	-	-
	60	76.2	27,190*	78.9	24,740*	-	-		60	76.8	27,220*	79.4	24,690*	-	-
	70	73.4	26,160*	76.1	24,040*	78.6	21,560*		70	74.1	26,330*	76.7	24,110*	79.2	21,790*
	80	70.5	25,280*	73.2	23,380*	75.7	20,000*		80	71.4	25,470*	74.0	23,480*	76.4	20,320*
	90	67.6	24,480*	70.2	22,750*	72.7	18,670*		90	68.6	24,710*	71.2	22,890*	73.5	18,950*
	100	64.6	23,780*	67.2	21,830*	69.6	17,500*		100	65.8	24,020*	68.3	22,290*	70.6	17,790*
	110	61.5	23,100*	64.1	20,370*	66.5	16,520*		110	62.9	23,300*	65.4	20,920*	67.7	16,820*
	120	58.3	21,540	60.9	19,080*	63.2	15,660*		120	59.9	21,120	62.4	19,670*	64.6	15,980*
	130	55.0	19,130	57.6	18,020*	59.8	14,880*		130	56.8	18,710	59.3	18,550*	61.4	15,170*
140	51.6	17,100	54.1	17,060*	56.3	14,230*	140	53.6	16,680	56.0	16,690	58.1	14,540*		
150	47.9	15,360	50.4	15,370	52.5	13,700*	150	50.3	14,940	52.7	14,950	54.7	13,950*		
							160	46.7	13,430	49.1	13,440	51.0	13,460		

**TEREX®**



LOAD CHART

HC 165**With 77SI Offset Tip Boom and 116,400 Pound Counterweight
#16HL Jib**

108,400 lb + 8,000 lb carbody counterweight								360°		ANSI B 30.5					
60' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
170'	46	81.0	28,710*	-	-	-	-		51	80.9	28,250*	-	-	-	-
	50	79.9	28,370*	-	-	-	-		60	78.9	27,540*	-	-	-	-
	60	77.4	27,410*	79.9	24,820*	-	-		70	76.6	26,750*	78.8	24,200*	80.9	22,160*
	70	74.8	26,500*	77.3	24,100*	79.6	22,130*		80	74.4	26,060*	76.5	23,690*	78.6	21,350*
	80	72.2	25,670*	74.7	23,590*	77.0	20,560*		90	72.0	25,320*	74.2	23,160*	76.2	20,030*
	90	69.6	24,880*	72.0	22,940*	74.3	19,210*		100	69.7	24,740*	71.9	22,720*	73.9	18,950*
	100	66.9	24,210*	69.3	22,410*	71.6	18,150*	200'	110	67.3	22,390*	69.5	22,220*	71.4	17,890*
	110	64.2	23,560*	66.6	21,450*	68.8	17,160*		120	64.9	19,490*	67.0	19,500*	69.0	17,080*
	120	61.4	20,710*	63.7	20,120*	65.9	16,270*		130	62.5	17,070*	64.6	17,080*	66.4	16,300*
	130	58.5	18,300*	60.8	18,310*	62.9	15,510*		140	59.9	15,030*	62.0	15,040*	63.9	15,050*
	140	55.5	16,260*	57.8	16,270*	59.8	14,810*		150	57.3	13,280*	59.4	13,290*	61.2	13,310*
	150	52.3	14,520*	54.6	14,520*	56.6	14,210*		160	54.6	11,760*	56.7	11,770*	58.5	11,790*
	160	49.1	13,010*	51.3	13,010*	53.3	13,030*		170	51.9	10,450*	53.9	10,460*	55.6	10,480*
	170	45.6	11,700*	47.9	11,710*	49.7	11,730*		180	49.0	9,290*	51.0	9,300*	52.6	9,320*
								190	45.9	8,270*	47.9	8,280*	49.5	8,290*	
								200	42.7	7,370*	44.7	7,380*	46.2	7,400*	
	48	80.8	28,530*	-	-	-	-		53	80.8	28,110*	-	-	-	-
	50	80.4	28,420*	-	-	-	-		60	79.3	27,580*	-	-	-	-
	60	77.9	27,470*	80.3	24,840*	-	-		70	77.1	26,900*	79.2	24,200*	-	-
	70	75.5	26,670*	77.9	24,210*	80.1	22,280*		80	74.9	26,160*	77.0	23,670*	79.0	21,580*
180'	80	73.0	25,850*	75.4	23,600*	77.6	20,810*		90	72.7	25,440*	74.8	23,200*	76.8	20,280*
	90	70.5	25,060*	72.8	23,080*	75.0	19,570*		100	70.5	24,770*	72.6	22,740*	74.5	19,130*
	100	67.9	24,410*	70.3	22,540*	72.4	18,400*	210'	110	68.2	21,970*	70.3	21,970*	72.2	18,220*
	110	65.3	23,220*	67.6	21,960*	69.7	17,400*		120	65.9	19,070*	68.0	19,080*	69.8	17,270*
	120	62.7	20,330*	64.9	20,330*	67.0	16,570*		130	63.6	16,640*	65.6	16,650*	67.4	16,520*
	130	59.9	17,910*	62.2	17,920*	64.2	15,750*		140	61.2	14,600*	63.2	14,610*	65.0	14,620*
	140	57.1	15,870*	59.3	15,880*	61.3	15,070*		150	58.7	12,850*	60.7	12,850*	62.4	12,870*
	150	54.2	14,130*	56.4	14,130*	58.3	14,150*		160	56.1	11,340*	58.1	11,350*	59.9	11,360*
160	51.1	12,620*	53.3	12,630*	55.2	12,650*		170	53.5	10,010*	55.5	10,020*	57.2	10,040*	
170	48.0	11,310*	50.1	11,310*	51.9	11,330*		180	50.8	8,850*	52.8	8,860*	54.4	8,880*	
180	44.6	10,160*	46.7	10,170*	48.4	10,190*		190	48.0	7,830*	49.9	7,840*	51.5	7,860*	
								200	45.0	6,920*	46.9	6,930*	48.4	6,950*	
								210	41.9	6,110*	43.7	6,120*	45.2	6,140*	
	49	81.0	28,420*	-	-	-	-		54	80.9	27,970*	-	-	-	-
	50	80.8	28,350*	-	-	-	-		60	79.7	27,630*	-	-	-	-
	60	78.4	27,480*	80.7	24,760*	-	-		70	77.6	26,930*	79.6	24,190*	-	-
	70	76.1	26,720*	78.4	24,200*	80.5	22,240*		80	75.5	26,250*	77.5	23,760*	79.4	21,710*
190'	80	73.7	25,940*	76.0	23,700*	78.1	21,050*		90	73.4	25,540*	75.4	23,270*	77.3	20,450*
	90	71.3	25,200*	73.6	23,090*	75.6	19,790*		100	71.2	24,900*	73.2	22,810*	75.1	19,380*
	100	68.9	24,580*	71.1	22,630*	73.2	18,670*	220'	110	69.0	21,550*	71.0	21,550*	72.9	18,380*
	110	66.4	22,800*	68.6	22,190*	70.6	17,700*		120	66.8	18,650*	68.8	18,650*	70.6	17,510*
	120	63.8	19,900*	66.0	19,910*	68.0	16,790*		130	64.6	16,220*	66.5	16,230*	68.3	16,240*
	130	61.2	17,490*	63.4	17,500*	65.4	16,000*		140	62.3	14,170*	64.2	14,180*	66.0	14,200*
	140	58.6	15,450*	60.7	15,450*	62.7	15,360*		150	59.9	12,420*	61.9	12,430*	63.6	12,440*
	150	55.8	13,700*	58.0	13,710*	59.8	13,720*		160	57.5	10,910*	59.4	10,920*	61.1	10,930*
160	53.0	12,190*	55.1	12,200*	56.9	12,220*		170	55.0	9,580*	56.9	9,590*	58.6	9,610*	
170	50.0	10,870*	52.1	10,880*	53.9	10,900*		180	52.5	8,420*	54.4	8,430*	56.0	8,440*	
180	46.9	9,730*	49.0	9,730*	50.7	9,750*		190	49.8	7,400*	51.7	7,410*	53.2	7,420*	
190	43.7	8,700*	45.7	8,710*	47.3	8,730*		200	47.1	6,480*	48.9	6,490*	50.4	6,510*	
								210	44.2	5,670*	46.0	5,680*	47.4	5,700*	
								220	41.1	4,930*	42.9	4,940*	44.2	4,960*	



LOAD CHART

HC 165

**With 77SI Offset Tip Boom and 116,400 Pound Counterweight
#16HL Jib**

108,400 lb + 8,000 lb carbody counterweight								360°		ANSI B 30.5					
60' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
230'	56	80.8	27,840*	-	-	-	-	59	80.9	27,460*	-	-	-	-	
	60	80.0	27,570*	-	-	-	-	60	80.7	27,450*	-	-	-	-	
	70	78.0	26,840*	80.0	24,130*	-	-	70	78.8	26,780*	80.7	23,960*	-	-	
	80	76.0	26,230*	78.0	23,660*	79.8	21,720*	80	76.9	26,180*	78.8	23,590*	80.5	21,510*	
	90	74.0	25,540*	75.9	23,230*	77.7	20,700*	90	75.0	25,570*	76.9	23,140*	78.6	21,100*	
	100	71.9	24,710	73.8	22,800*	75.6	19,610*	100	73.1	23,870	74.9	22,800*	76.6	20,000*	
	110	69.8	21,160	71.7	21,160	73.5	18,610*	110	71.2	20,320	73.0	20,320	74.6	19,030*	
	120	67.7	18,250	69.6	18,250	71.3	17,760*	120	69.2	17,400	71.0	17,410	72.6	17,430	
	130	65.5	15,830	67.4	15,830	69.1	15,850	130	67.2	14,970	69.0	14,980	70.6	15,000	
	140	63.3	13,780	65.2	13,790	66.9	13,800	140	65.2	12,930	66.9	12,930	68.5	12,950	
	150	61.1	12,030	62.9	12,030	64.6	12,050	150	63.1	11,170	64.9	11,180	66.4	11,190	
	160	58.8	10,500	60.6	10,510	62.3	10,530	160	61.0	9,650	62.8	9,650	64.3	9,670	
	170	56.4	9,190	58.3	9,190	59.9	9,210	170	58.9	8,320	60.6	8,330	62.1	8,350	
	180	54.0	8,020	55.8	8,030	57.4	8,040	180	56.7	7,150	58.4	7,160	59.9	7,180	
	190	51.5	6,990	53.3	7,000	54.8	7,010	190	54.4	6,120	56.1	6,130	57.6	6,140	
	200	48.9	6,080	50.7	6,090	52.1	6,100	200	52.1	5,190	53.8	5,200	55.2	5,220	
	210	46.2	5,250	47.9	5,260	49.4	5,280	210	49.7	4,370	51.3	4,380	52.7	4,400	
	220	43.3	4,520	45.1	4,530	46.4	4,550	220	47.2	3,640	48.8	3,650	50.2	3,660	
	230	40.3	3,860	42.0	3,870	43.3	3,900	230	44.6	2,970	46.2	2,980	47.5	3,000	
240'	57	81.0	27,710*	-	-	-	-	240	41.8	2,360	43.4	2,380	44.7	2,400	
	60	80.4	27,520*	-	-	-	-	250	38.9	1,820	40.5	1,830	41.6	1,860	
	70	78.4	26,860*	80.3	24,120*	-	-								
	80	76.5	26,200*	78.4	23,660*	80.2	21,650*								
	90	74.5	25,590*	76.4	23,190*	78.2	20,910*								
	100	72.5	24,280	74.4	22,850*	76.1	19,810*								
	110	70.5	20,740	72.4	20,740	74.1	18,820*								
	120	68.5	17,830	70.3	17,830	72.0	17,850								
	130	66.4	15,400	68.2	15,400	69.9	15,420								
	140	64.3	13,350	66.1	13,360	67.8	13,370								
	150	62.1	11,590	63.9	11,600	65.6	11,620								
	160	59.9	10,070	61.7	10,080	63.3	10,090								
	170	57.7	8,750	59.5	8,760	61.0	8,770								
	180	55.4	7,580	57.2	7,590	58.7	7,610								
	190	53.0	6,550	54.8	6,550	56.3	6,570								
	200	50.6	5,630	52.3	5,640	53.7	5,660								
	210	48.0	4,810	49.7	4,820	51.1	4,830								
	220	45.4	4,070	47.0	4,080	48.4	4,100								
	230	42.6	3,410	44.2	3,420	45.5	3,440								
240	39.6	2,820	41.2	2,830	42.5	2,850									
70' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)								
180'	50	81.0	21,370*	-	-	-	-								
	60	78.6	20,590*	-	-	-	-								
	70	76.3	19,880*	78.9	17,820*	-	-								
	80	73.9	19,250*	76.6	17,310*	79.1	15,880*								
	90	71.5	18,560*	74.1	16,840*	76.6	15,420*								
	100	69.1	18,010*	71.7	16,440*	74.1	14,990*								
	110	66.6	17,440*	69.2	15,960*	71.6	14,640*								
	120	64.0	16,930*	66.6	15,480*	69.0	14,260*								
	130	61.4	16,440*	64.0	15,000*	66.3	13,730*								
	140	58.8	15,920*	61.3	14,640*	63.6	13,120*								
	150	56.0	14,260	58.5	14,270	60.8	12,580*								
	160	53.2	12,750	55.7	12,760	57.8	12,070*								
	170	50.2	11,430	52.7	11,440	54.8	11,460								
	180	47.1	10,290	49.5	10,300	51.6	10,320								



TEREX®



LOAD CHART

HC 165

**With 77SI Offset Tip Boom and 116,400 Pound Counterweight
#16HL Jib**

108,400 lb + 8,000 lb carbody counterweight								360°		ANSI B 30.5					
70' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
190'	52	80.9	21,300*	-	-	-	-	57	80.8	21,020*	-	-	-	-	
	60	79.1	20,740*	-	-	-	-	60	80.2	20,800*	-	-	-	-	
	70	76.8	19,950*	79.4	17,910*	-	-	70	78.2	20,170*	80.5	17,880*	-	-	
	80	74.5	19,320*	77.1	17,350*	79.5	15,870*	80	76.2	19,590*	78.5	17,420*	80.6	15,770*	
	90	72.2	18,740*	74.8	16,890*	77.2	15,440*	90	74.1	18,980*	76.4	17,010*	78.6	15,500	
	100	69.9	18,130*	72.4	16,510*	74.8	15,020*	100	72.1	18,500*	74.3	16,610*	76.4	15,210*	
	110	67.5	17,580*	70.0	16,110*	72.3	14,680*	110	70.0	17,920*	72.2	16,260*	74.3	14,820*	
	120	65.1	17,080*	67.6	15,600*	69.9	14,360*	120	67.8	17,470*	70.1	15,920*	72.1	14,510*	
	130	62.6	16,620*	65.1	15,130*	67.3	13,960*	130	65.7	16,360	67.9	15,550*	69.9	14,200*	
	140	60.1	15,580	62.6	14,730*	64.8	13,320*	140	63.5	14,310	65.7	14,320	67.7	13,910*	
	150	57.5	13,830	59.9	13,840	62.1	12,790*	150	61.2	12,560	63.4	12,570	65.4	12,580	
	160	54.8	12,320	57.2	12,330	59.3	12,310*	160	58.9	11,040	61.1	11,050	63.1	11,070	
170	52.1	11,000	54.4	11,010	56.5	11,030	170	56.6	9,720	58.8	9,720	60.6	9,740		
180	49.2	9,850	51.5	9,860	53.5	9,880	180	54.2	8,550	56.3	8,560	58.2	8,580		
190	46.1	8,830	48.4	8,840	50.4	8,860	190	51.7	7,530	53.8	7,540	55.6	7,560		
							200	49.1	6,610	51.2	6,620	52.9	6,640		
							210	46.4	5,790	48.4	5,800	50.1	5,820		
							220	43.5	5,060	45.5	5,070	47.2	5,090		
											</				



LOAD CHART

HC 165

**With 77SI Offset Tip Boom and 116,400 Pound Counterweight
#16HL Jib**

108,400 lb + 8,000 lb carbody counterweight								360°				ANSI B 30.5			
80' Jib length															
Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)	Boom length	Jib Radius (Feet)	5.0 Deg offset Boom Angle	Rating (Pounds)	15.0 Deg offset Boom Angle	Rating (Pounds)	25.0 Deg offset Boom Angle	Rating (Pounds)
200'	56	80.9	16,550*	-	-	-	-		61	80.8	16,310*	-	-	-	-
	60	80.0	16,300*	-	-	-	-		70	79.1	15,790*	-	-	-	-
	70	77.9	15,600*	80.7	13,680*	-	-		80	77.2	15,220*	79.7	13,300*	-	-
	80	75.8	15,020*	78.6	13,260*	-	-		90	75.3	14,700*	77.8	12,920*	80.1	11,330*
	90	73.7	14,470*	76.4	12,760*	79.0	11,270*		100	73.4	14,200*	75.9	12,480*	78.1	10,990*
	100	71.6	14,000*	74.3	12,310*	76.8	10,920*		110	71.5	13,770*	73.9	12,080*	76.2	10,670*
	110	69.4	13,490*	72.1	11,870*	74.6	10,600*		120	69.5	13,340*	71.9	11,670*	74.2	10,420*
	120	67.2	12,980*	69.8	11,470*	72.3	10,340*		130	67.5	12,960*	69.9	11,320*	72.1	10,180*
	130	64.9	12,480*	67.6	11,080*	70.0	10,060*		140	65.5	12,480*	67.9	10,990*	70.1	9,970*
	140	62.6	12,000*	65.3	10,760*	67.6	9,860*		150	63.4	12,030*	65.8	10,720*	67.9	9,740*
	150	60.3	11,600*	62.9	10,450*	65.2	9,660*		160	61.3	10,780	63.7	10,440*	65.8	9,560*
	160	57.9	11,200*	60.5	10,190*	62.8	9,450*		170	59.2	9,440	61.5	9,450	63.6	9,380*
170	55.4	10,700	58.0	9,970*	60.2	9,290*		180	57.0	8,280	59.3	8,290	61.3	8,320	
180	52.8	9,550	55.4	9,560	57.6	9,150*		190	54.7	7,250	57.0	7,260	59.0	7,280	
190	50.2	8,520	52.7	8,530	54.8	8,550		200	52.4	6,330	54.7	6,340	56.6	6,370	
200	47.4	7,600	49.9	7,610	52.0	7,640		210	50.0	5,510	52.2	5,520	54.2	5,550	
								220	47.5	4,770	49.7	4,780	51.6	4,800	
								230	44.9	4,100	47.1	4,120	48.9	4,140	

**TEREX®**



NOTES TO LIFTING CAPACITY

HC 165

Warning

This rating chart is invalid if the crane has been modified or altered by use of other than GENUINE AMERICAN PARTS as such modifications or alterations may affect its capacity or safe operation. See American Crane Corporation Service Bulliten #259.

Ratings in this chart are in POUNDS and do not exceed the percentage of tipping specified for this crane by ANSI B30.5. All ratings require that the crane be standing level on a firm uniformly supporting surface.

Do not lift loads in excess of those shown on this chart. Lifting loads in excess of those shown or operation not in accordance with good operating practice, including limitations shown on page 3499 of Operator's Manual, can cause tipping, structural damage or catastrophic failure.

Asterisk (*) areas on this chart indicate ratings which are limited by strength of material or factors other than stability (tipping).

„JIB RADIUS IN FEET“ is the horizontal distance at ground level from the crane centerline of rotation to a vertical line through the center of gravity of the suspended load.

When using the main boom fall with jib in place, the main fall ratings must be reduced by the jib effective weight shown on the jib rating chart plus twice the weight of all suspended blocks, slings, rope, etc., at the jib fall. See Appendix A.

When using the main boom fall with boom tip extension in place, the main fall ratings must be reduced by the weight of the boom tip extension plus twice the weight of all suspended blocks, slings, rope, etc., at the boom tip extension fall. See Appendix A.

Blocks, slings, buckets and other load carrying devices are considered part of the load. The weight of standard hoisting ropes for the rating at a given radius has been calculated as part of the boom point load and need not be considered in determining net allowable loads. See Appendix A.

Ratings shown on this chart make no allowance for such factors as out of plumb loads, wind, poor soil conditions, improper inflation of rubber tires and dynamic effects due to excessive operating speeds. The user (operator) must exercise judgement to make allowance for these conditions. See page 3499 of Operator's Manual for detailed information.

No account is taken of the wind force on the load. This effect, which can be substantial for loads with large surface areas, must be considered by the user. In any wind it is strongly recommended that taglines be used to control the load.

BOOM HOIST LINE is 14 parts of 7/8 inch diameter EIPS wire rope with a minimum breaking strength of 79,600 pound. PENDANT SUSPENSION LINE is 4 parts of 1.375 inch diameter EEIPS wire rope with a minimum breaking strength of 211,000 pound. JIB BACKSTAY LINE AND FRONTSTAY LINES are 2 parts of 0.875 inch diameter wire rope with a minimum breaking strength of 69,200 pound.

WHIP LINE – 1.125 inch diameter EIPS wire rope with a minimum breaking strength of 130,000 pound or ALTERNATE WHIP LINE (ROTATION RESISTANT) – 1.125 inch diameter BRIDON ENDURANCE DYFORM 34LR Grade 2160 wire rope with a minimum breaking strength of 167,200 pound.

ERECTION

Erection „OVER THE END“ is with the boom over the idler end with idler tumblers blocked (See operator's manual for blocking instructions).

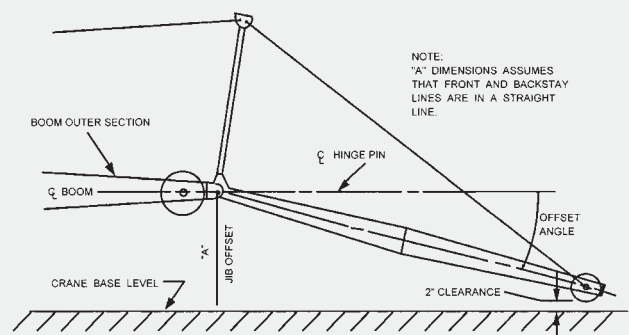
Erection „OVER THE SIDE“ is with the boom 90° to the sideframes and with the side frames extended. Blocks, slings and other load carrying devices must be on the ground during erection.

LOAD HOISTING INFORMATION - 1.125 inch diameter EIPS wire rope			
MAXIMUM LIFTING CAPACITY - LBS.	MINIMUM PARTS OF LINE	MAXIMUM HOISTING DISTANCE - FT	
		MAIN (FRONT)	AUX. (REAR)
32,000	1	1,312	1,312

LOAD HOISTING INFORMATION (ROTATION RESISTANT LOAD LINE)			
1.125 inch diameter BRIDON ENDURANCE DYFORM 34LR Grade 2160 wire rope			
MAXIMUM LIFTING CAPACITY - LBS.	MINIMUM PARTS OF LINE	MAXIMUM HOISTING DISTANCE - FEET	
		MAIN (FRONT)	AUX. (REAR)
32,000	1	1,312	1,312

77SI OFFSET TIP BOOM BOOM COMPOSITION CHART							
BOOM LENGTH (METERS)	BOOM LENGTH (FEET)	BOOM SECTIONS					
		9.1 M 30' 77SI INNER	3.0 M 10' 77S CENTER	6.1 M 20' 77S CENTER	15.2 M 50' 77S CENTER	5.9 M 19.5' 77HL OUTER	9.1 M 30' 77LA OFFSET TIP
24.4 M	80	1	0	0	0	1	1
27.4 M	90	1	1	0	0	1	1
30.5 M	100	1	0	1	0	1	1
33.5 M	110	1	1	1	0	1	1
36.6 M	120	1	0	2	0	1	1
39.6 M	130	1	0	0	1	1	1
42.7 M	140	1	1	0	1	1	1
45.7 M	150	1	0	1	1	1	1
48.8 M	160	1	1	1	1	1	1
51.8 M	170	1	0	2	1	1	1
54.9 M	180	1	0	0	2	1	1
57.9 M	190	1	1	0	2	1	1
61.0 M	200	1	0	1	2	1	1
64.0 M	210	1	1	1	2	1	1
67.1 M	220	1	0	2	2	1	1
70.1 M	230	1	0	0	3	1	1
73.2 M	240	1	1	0	3	1	1
76.2 M	250	1	0	1	3	1	1
79.2 M	260	1	1	1	3	1	1
82.3 M	270	1	0	2	3	1	1

77SI OFFSET TIP BOOM MAXIMUM BOOM & JIB SELF-ERECTION DATA				
	OVER THE END		OVER THE SIDE	
	BOOM LENGTH (FT)	JIB LENGTH (FT)	BOOM LENGTH (FT)	JIB LENGTH (FT)
#16HL JIB	270	0	240	0
	260	0	230	60
	250	60	220	80
	240	80		



#16HL JIB COMPOSITION CHART								
JIB LENGTH (FEET)	20' INNER	10' CENTER	20' CENTER	20' OUTER	EFF. JIB WEIGHT (POUNDS)	JIB OFFSET "A" IN FEET		
						5°	15°	25°
40	1	0	0	1	1,500	4'-10"	10'- 2"	15'- 1"
50	1	1	0	1	2,050	5'- 8"	12'- 1"	18'- 3"
60	1	0	1	1	2,600	6'- 6"	13'-10"	21'- 2"
70	1	1	1	1	3,150	7'- 1"	15'-10"	24'- 4"
80	1	0	2	1	3,700	7'- 9"	17'- 8"	27'- 4"



TECHNICAL DESCRIPTION

HC 165

Hydraulic Crawler Crane

Maximum lifting capacity: 165 tons.

Boom Systems

77SI Tubular Boom with Offset Tip

- 270 ft maximum boom length.
- 320 ft (240 ft + 80 ft) maximum boom and jib combination length.
- 77SI tubular chord boom, pin connected.
- 30 ft inner, 19'5" outer base and 30 ft outer and 10 / 20 / 50 ft available inserts provide boom compositions in 10 ft increments from 80 ft to 270 ft.

77SI Tubular Boom with Hammerhead

- 240 ft maximum boom length.
- 300 ft (220 ft + 80 ft) maximum boom and jib combination length.
- 77SI tubular chord boom, pin connected.
- 30 ft inner, 19'5" outer base and hammerhead and 10/20/50 ft available inserts provide boom compositions in 10 ft increments from 50 ft to 240 ft.

58ABSH Angle Boom

- Consult factory for details.

Robust engine

- Cummins QSC8.3 diesel engine supplies 310 HP (231 kW) @ 2000 rpm, 506 cu. in. displacement, 112 gallon fuel capacity.

Environmental operator's cab

- Designed to provide excellent viewing range and quiet, comfortable operation.
- 37 in. wide cab has wide curved windows on both top and bottom.
- Easy-to-operate modular and ergonomically designed controls reduce operator fatigue and increase productivity.
- Load Moment Indicator with interactive screen features a shockless stop system. Operator can select from three display modes: loaded condition diagram, rated lifting curve, and rated lifting load table.
- Adjustable operator's seat, radio, air conditioner, overhead window, sun visor, fan, overhead and front wipers, and drum rotation indicators standard.

Heavy duty carbody and crawlers

- Fabricated steel carbody is deep box constructed with square axles for the crawler side frames. Precision machined top supports anti-friction swing circle and multiple pass hydraulic swivel joint.
- Crawlers have high alloy steel tumbler yokes and rigid fabricated structures with built-in sealed automatic lubrication system.
- 42" crawler shoes.
- Travel mechanism is set within shoe width.
- Side frames extended or retracted by cylinders inside the carbody.
- Two travel speed settings – 0.55 / 0.37 mph.
- 30 % (17°) gradeability.

Powerful, high-speed hoist system

- Two identical independent main and auxiliary load hoisting drums provide ample lifting power. Drums are grooved for 1-1/8 in. diameter rope. Max. line speed is 540 fpm, max. single line pull is 54,060 lb. Rated single line pull is 40,850 lb. Freefall on main and auxiliary drums.
- Each drum, including optional third, has power up/down. Load hoists are further controllable in stepless mode.
- Ample work space in front of drums allows easy access for cable installation and maintenance.
- External contracting brake.
- Internal expanding band clutch.

Smooth swing

- Separate swing circuit
- 2.0 rpm swing speed.

High capacity, dependable hydraulic system

- Open circuit system has 2 variable displacement piston pumps which supply power to the travel and hoisting functions, 3 gear pumps provide power for swing, hydraulic cylinders and pilot pressure.
- Hydraulic reservoir with 88.5 gallons capacity and 10 micron filtration. System capacity is 132 gallons.
- Component working range is between -4 and 203° F.

Seven piece removable counterweight

- 7 piece pin connected counterweight can be assembled or disassembled easily within minutes.
- Hydraulic counterweight removal system is standard and makes the HC165 one of the most transportable cranes in its class.
- Moves on 8 trucks with 240 ft 77SI offset tip boom and 80 ft of 16HL jib. At 11 ft 6-3/4 in. wide and 11 ft 5-3/4 in. high, the basic HC165 will transport on a standard lowboy trailer.

Options include:

- Third drum – machine mounted
- Third drum – boom inner mounted.
- Single sheave extension.
- 16HL tubular jib – 32,000 lb (77SI tubular boom only).
- #15 angle jib – 30,000 lb (58ABSH angle boom only).
- Optional 108,400 pound of upper and 8,000 pound of carbody counterweight.



HOIST DRUM PERFORMANCE

HC 165

MAIN AND AUXILIARY HOIST – 1 1/8” DIAMETER ROPE							
Rope Layer	High Range			Low Range		Total Rope Length	
	Line Speed Feet Per Minute	Single Line Pull		Line Speed Feet Per Minute	Single Line Pull		
1st*	358	27.030		179	54.060	153	
2nd*	389	24.910		194	49.850	313	
3rd*	419	23.015		210	46.230	493	
4th*	450	21.560		225	43.100	678	
5th*	480	20.195		240	40.390	883	
6th*	510	18.980		255	37.985	1.093	
7th**	540	17.925		269	35.845	1.325	
8th**	571	16.975		285	33.930	1.560	
9th**	601	16.115		301	32.230	1.817	
3RD DRUM WITH FREE FALL				3RD DRUM WITHOUT FREE FALL			
Machine Mounted				Boom Mounted – Braden CH210			
Rope Layer	Line Speed Feet Per Minute	Single Line Pull	Total Rope Length	Rope Layer	Line Speed Feet Per Minute	Single Line Pull	Total Rope Length
1st*	129	37.655	64	1st*	193	19.100	116
2nd*	140	34.725	129	2nd*	210	17.530	242
3rd*	150	32.210	204	3rd*	227	16.200	379
4th*	161	30.050	278	4th*	244	15.050	526
5th*	172	28.155	364	5th*	262	14.060	683
6th*	183	26.480	449	6th**	279	13.190	851
7th*	194	25.000	545				
8th**	205	23.680	640				
9th**	216	22.465	747				
Remarks							
* Working Layers							
** Storage Layers							



TRANSPORT EXAMPLE FOR HC 165

HC 165

240' 77" SH Boom with Offset Tip 80' 16HL jib

Loads required as follows: (weights shown do **NOT** include blocking or tie-down material)**LOAD NO. 1**

Crawler side frame	37,000 lb
2 x 20' 16HL center sections @ 510 lb each	1,020 lb
TOTAL LOAD	38,020 lb

LOAD NO. 2

Crawler side frame	37,000 lb
Basic 40' of 16HL Jib	3,060 lb
TOTAL LOAD	40,060 lb

LOAD NO. 3

2 x counterweights @ 9,200 lb each	18,400 lb
1 x 50' boom center section	4,500 lb
TOTAL LOAD	22,900 lb

LOAD NO. 4

2 x counterweights @ 11,200 lb each	22,400 lb
1 x 50' boom center section	4,500 lb
TOTAL LOAD	26,900 lb

LOAD NO. 5

2 x counterweights @ 11,200 lb each	22,400 lb
1 x 50' boom center section	4,500 lb
TOTAL LOAD	26,900 lb

LOAD NO. 6

Base counterweight	39,000 lb
1 x 20' boom (outer base)	2,900 lb
TOTAL LOAD	41,900 lb

LOAD NO. 7

Miscellaneous, Block, Ball, Pendants, etc.	12,000 lb
1 x 30' offset tip	5,300 lb
1 x 10' boom center section	1,000 lb
TOTAL LOAD	18,300 lb

LOAD NO. 8**Upperworks and Carbody:**

- a) Transport system
- b) Boom inner section and boom stops
- c) Boom hoist rope
- d) Wire rope on main and auxiliary drums

TOTAL WEIGHT OF UPPER, etc.	94,000 lb
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NOTES

HC 165



HC 165

www.terexcranes.com

Effective Date: January 2011.

Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex® is a registered trademark of Terex Corporation in the USA and many other countries.

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