

CONVENTIONAL CRANE 308 TONS

DEMAG TC 1200

BOOM LENGTHS:
39 TO 295 FT

JIB LENGTHS:
59 TO 216 FT

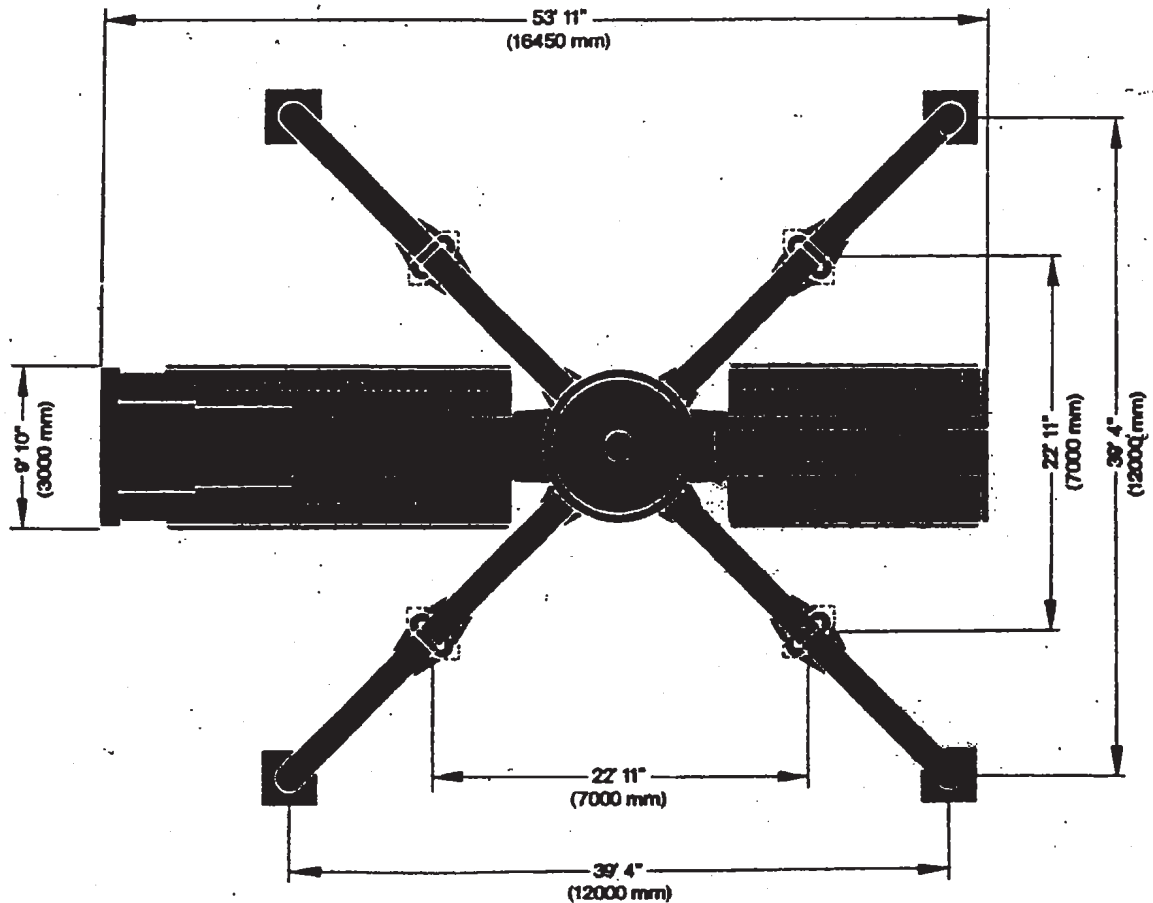
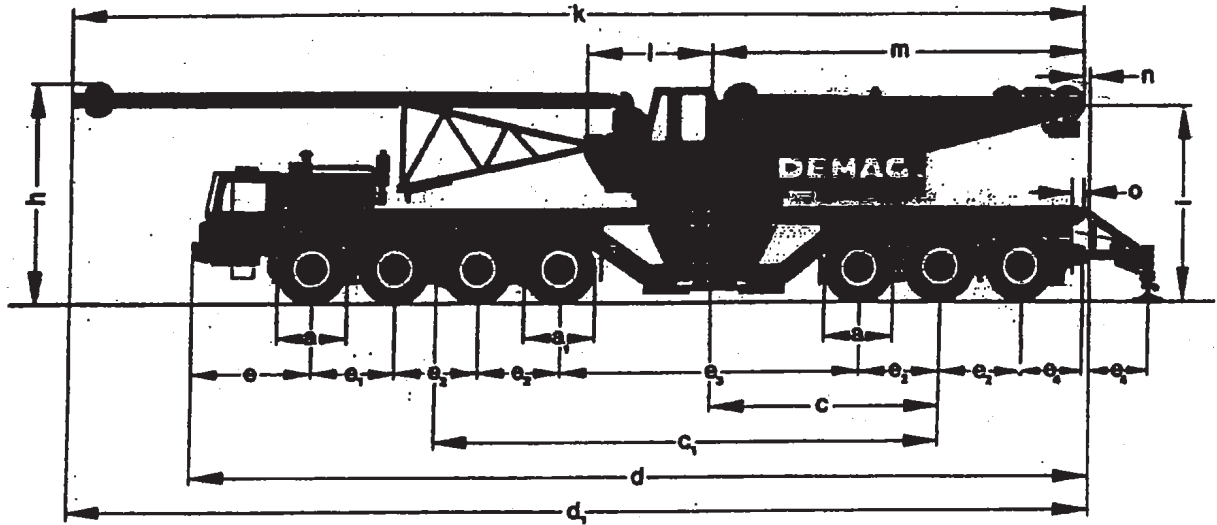
JIB OFFSETS:
LUFFING



NOTES:

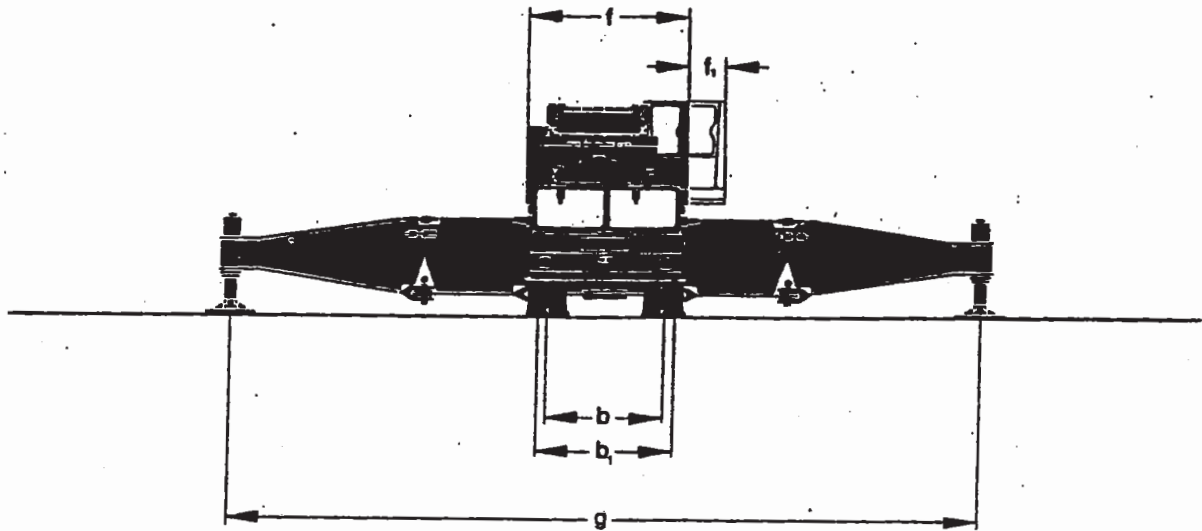
DEMAG Baumaschinen 308 Ton Cap.

Basic Machine



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DEMAG Baumaschinen 308 Ton Cap.



a	14.00 - 24, PR 22	d	54' 9" (16 710 mm)	e ₄	3' (1 150 mm)	k	61' 4" (18 700 mm)
a ₁	12.00 - 24, PR 20	d ₁	62' 2" (18 950 mm)	f	9' 10" (3 000 mm)	l	7' 2" (2 200 mm)
b	7' 1" (2 170 mm*)	e	8' (2 450 mm)	f ₁	2' 4" (700 mm)	m	22' (6 710 mm)
b ₁	8' 5" (2 503 mm)	e ₁	5' 3" (1 600 mm)	g	39' 4" (12 000 mm)	n	10" (250 mm)
c	13' 9" (4 200 mm)	e ₂	4' 11" (1 500 mm)	h	12' 11" (3 950 mm)	o	6" (150 mm)
c ₁	30' (9 150 mm)	e ₃	17' 8" (5 400 mm)	i	11' 2" (3 600 mm)		

* 4th Front Axle

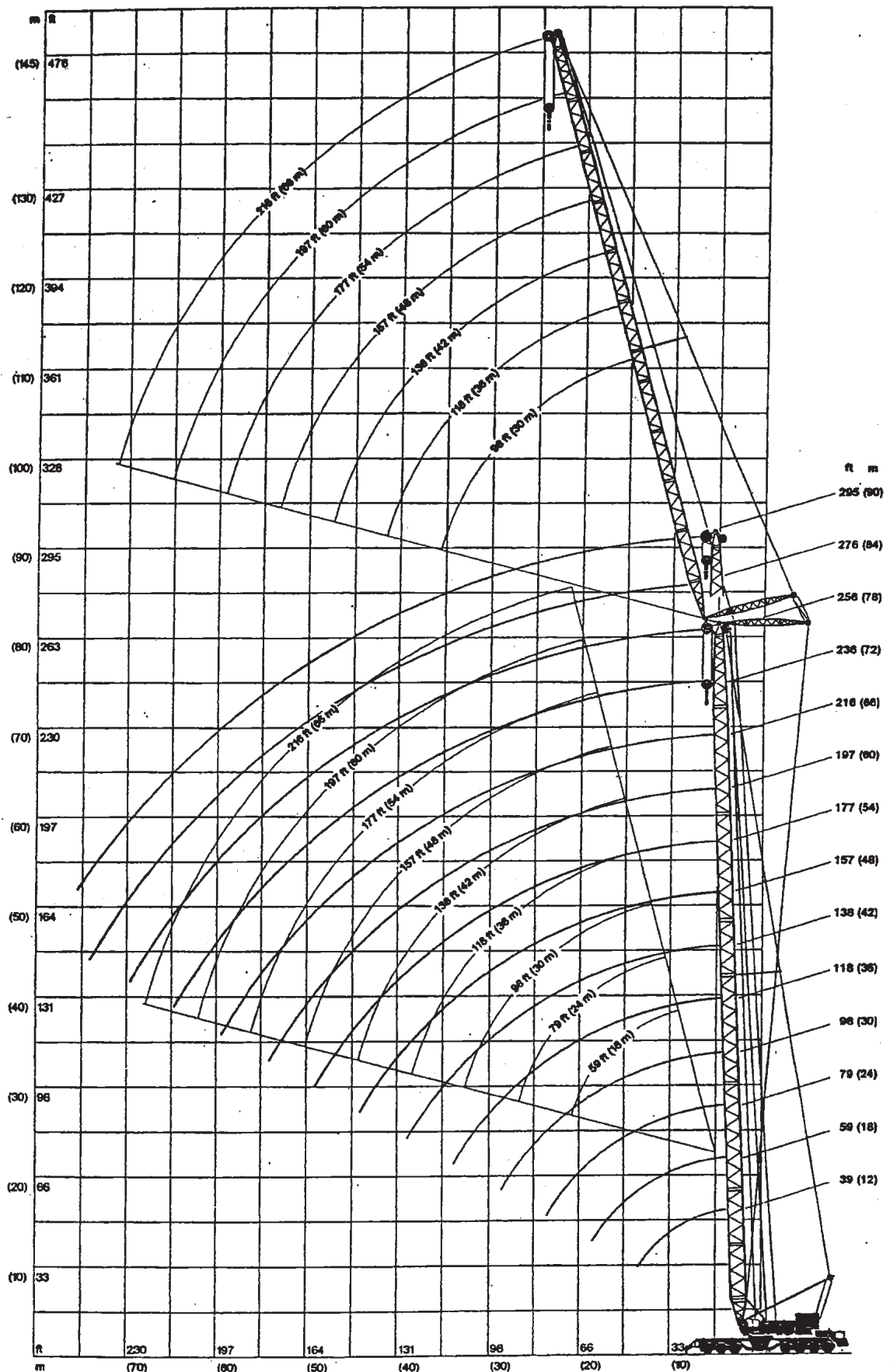
Truck Carrier

Engine	KHD BF 12 L 413
System	12 cyl.-4 strokes
Output at 2500 RPM	310 kW (420 HP)
Cooling	air
Fuel-Tank Capacity	80 gal. (300 liters)
Transmission	12-Speed Main Transmission plus 2-Speed Transfer Case
Carrier	14 x 8
Suspension	
Front	1st and 2nd Axles: Leaf springs; 3rd and 4 th = Hydraulic suspension
Rear	1st and 2nd Axles = Walking Beams, 3rd = Hydraulic suspension
Outriggers	4 articulated dismountable outrigger beams with hydraulic jack legs



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TC 1200

O/R SPREAD
39'-4.4" SQ.
(12 x 12 m)

85 %

360°

CAPACITIES (POUNDS) = LOAD + HOOK BLOCK

MAIN BOOM ONLY (FT.)

99 TON CWT.

	RADIUS	85 %		RADIUS	85 %
	(FT.)	RATED		(FT.)	RATED
BOOM LENGTH (FT.) 39	20	616,000	BOOM LENGTH (FT.) 79	23	550,000
	23	550,000		26	503,000
	26	506,000		30	425,000
	30	430,000		33	382,000
	33	386,000		36	344,000
	36	353,000		40	306,000
	40	312,000		46	260,000
All capacities above the parting line are based on structural strength, those below the line are based on stability for the percentage of tipping load as indicated.				53	220,000
				59	196,000
				66	177,000
				72	156,000
BOOM LENGTH (FT.) 59	20	616,000	BOOM LENGTH (FT.) 98	23	550,000
	23	550,000		26	498,000
	26	504,000		30	422,000
	30	427,000		33	378,000
	33	384,000		36	342,000
	36	348,400		40	304,000
	40	307,000		46	258,000
	46	262,000		53	217,000
	53	224,000		59	193,000
	59	198,000	8-28-01 1/6 A179	66	169,000
				72	153,000
				79	137,000
				85	127,000
				92	116,000

THIS INFORMATION IS FOR REFERENCE USE ONLY. OPERATORS MANUALS SHOULD BE CONSULTED AND ADHERED TO. PLEASE CONTACT NESS CAMPBELL AT [INFO@NESSCAMPBELL.COM](mailto:info@nesscampbell.com) FOR FURTHER INFORMATION.

TC 1200

O/R SPREAD
39'-4.4" SQ.
(12 x 12 m)

85 %

360°

CAPACITIES (POUNDS) = LOAD + HOOK BLOCK

MAIN BOOM ONLY (FT.)

99 TON CWT.

	RADIUS	85 %			RADIUS	85 %
	(FT.)	RATED			(FT.)	RATED
BOOM LENGTH (FT.)			BOOM LENGTH (FT.)			
197			216			
	33	291,000		33	238,000	
	36	278,000		36	225,000	
	40	264,000		40	214,000	
	46	240,000		46	201,000	
	53	209,000		53	190,000	
	59	184,000		59	182,000	
	66	161,000		66	160,000	
All capacities above the parting line are based on structural strength, those below the line are based on stability for the percentage of tipping load as indicated.	72	144,600		72	143,000	
	79	129,600		79	128,000	
	85	118,000		85	116,400	
	92	107,000		92	105,600	
	98	99,000		98	97,000	
	110	84,000		110	82,400	
	125	69,600		125	68,000	
	140	58,000		140	58,000	
	150	52,800		150	52,000	
	165	45,000		165	43,600	
	180	40,000		180	38,000	
			8-29-01	190	35,000	
			4/6			
			A179			


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TC 1200				O/R SPREAD 39'-4.4" SQ. (12 x 12 m)	
85 %		360°			

CAPACITIES (POUNDS) = LOAD + HOOK BLOCK					
MAIN BOOM ONLY (FT.)			99 TON CWT.		

	RADIUS	85 %		RADIUS	85 %
	(FT.)	RATED		(FT.)	RATED
BOOM LENGTH (FT.) 236			BOOM LENGTH (FT.) 256		
	33	194,000		33	163,000
	36	187,200		36	156,600
	40	182,600		40	151,000
	46	171,800		46	141,600
	53	162,000		53	111,400
	59	154,000		59	124,600
	66	143,000		66	116,000
All capacities above the parting line are based on structural strength, those below the line are based on stability for the percentage of tipping load as indicated.	72	138,400		72	110,200
	79	127,000		79	103,400
	85	115,000		85	98,400
	92	104,000		92	92,600
	98	95,000		98	88,000
	110	82,000		110	79,000
	125	67,000		125	66,000
	140	56,000		140	55,000
	150	50,000		150	49,000
	165	42,600		165	41,000
	180	36,000		180	35,000
	190	33,000		190	32,000
	205	29,000		205	27,600
			8-29-01 5/6 A179	220	24,000
				230	22,000



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TC 1200

O/R SPREAD
39'-4.4" SQ.
(12 x 12 m)

85 %

360°

CAPACITIES (POUNDS) = LOAD + HOOK BLOCK

MAIN BOOM ONLY (FT.)

99 TON CWT.

	RADIUS	85 %		RADIUS	85 %
	(FT.)	RATED		(FT.)	RATED
BOOM LENGTH (FT.)			BOOM LENGTH (FT.)		
276	36	132,400	295	36	116,800
	40	125,000		40	108,400
	46	116,000		46	101,400
	53	107,600		53	92,000
	59	100,200		59	84,800
	66	93,600		66	78,000
	72	88,000		72	73,400
	79	82,000		79	68,000
	85	77,600		85	64,000
	92	73,200		92	59,000
All capacities above the parting line are based on structural strength, those below the line are based on stability for the percentage of tipping load as indicated.	98	69,600		98	56,000
	110	62,000		110	49,600
	125	55,600		125	43,000
	140	49,000		140	36,400
	150	45,400		150	34,000
	165	40,600		165	31,200
	180	34,000		180	26,000
	190	30,600		190	23,400
	205	26,000		205	20,200
	220	23,000		220	17,000
	230	20,400	2-29-01	230	15,600
			6/6		
			A140		


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75 %		TC 1200 LUFFING FLY JIB ANGLE OF MAIN BOOM 88°							360°	
									39'-4.4" (12 x 12 m)	
RADIUS (FT.)	CAPACITIES (POUNDS) = LOAD + HOOK BLOCK									
	MAIN BOOM (FT.)							99 TON CWT.		
	98'-5.1" (30m)									
	JIB (FT.)									
	59'-1"	78'-9"	98'-5"	118'-1"	137'-9"	157'-6"	177'-2"	196'-10"	216'-6"	
	32'-10"	220,000								
	39'-4"	207,000	180,400							
	45'-11"	195,400	170,200	143,600	113,200					
	52'-6"	185,800	160,000	137,400	110,600	88,200				
	59'-1"	160,600	150,600	131,400	108,000	87,400	67,600			
	65'-7"	139,200	143,200	126,000	105,000	86,600	66,600	50,400		
	72'-7"		126,800	120,600	102,200	85,800	65,000	49,800	41,400	
	78'-9"		112,800	111,600	99,400	84,600	63,800	48,600	40,200	
	85'-0"		101,800	100,400	96,200	83,800	62,400	47,400	38,800	
	91'-10"			91,200	90,400	82,600	61,000	46,600	37,800	
	98'-5"			83,600	82,400	81,400	60,000	45,400	36,600	
	111'-7"				70,400	69,000	57,200	43,200	34,200	
	124'-8"				61,000	59,800	54,400	41,000	32,000	
	137'-9"					52,800	51,800	40,200	29,600	
	150'-11"						46,200	37,000	27,600	
164'-0"						41,400	34,800	25,800		
177'-2"							33,000	24,400		
190'-3"								22,800		
203'-5"								21,400		
216'-6"								14,200		
229'-8"										
242'-9"										
255'-11"										
								7-8-01		
								3/11 A150		
						195652 40 2				

75 %	TC 1200 LUFFING FLY JIB ANGLE OF MAIN BOOM 88°	360°
		39'-4.4" (12 x 12 m)

RADIUS (FT.)	CAPACITIES (POUNDS) = LOAD + HOOK BLOCK								
	MAIN BOOM (FT.) 99 TON CWT.								
	118'-1.3" (36m)								
	JIB (FT.)								
	59'-1"	78'-9"	98'-5"	118'-1"	137'-9"	157'-6"	177'-2"	196'-10"	216'-6"
32'-10"	199,200								
39'-4"	190,600	166,400							
45'-11"	181,000	156,400	132,000						
52'-6"	171,800	148,200	127,200	103,000	82,600				
59'-1"	163,200	140,800	122,400	100,800	82,000	64,400			
65'-7"	141,200	133,800	117,800	98,400	81,400	63,200	49,600		
72'-7"	124,200	126,400	113,600	95,800	80,200	62,200	48,800	40,000	32,400
78'-9"		112,600	109,000	93,400	79,400	61,200	47,800	38,800	31,600
85'-0"		101,400	100,000	90,800	78,400	60,000	46,800	38,000	30,400
91'-10"			90,800	88,000	77,400	58,800	45,800	36,800	29,600
98'-5"			83,000	82,200	76,000	58,000	44,800	36,000	28,600
111'-7"				69,800	68,800	55,600	43,000	34,000	24,800
124'-8"				60,800	59,600	53,600	41,200	32,000	22,800
137'-9"					52,200	51,400	39,200	30,000	20,800
150'-11"						45,600	37,400	28,000	18,800
164'-0"						41,000	35,400	24,400	16,800
177'-2"							33,400	22,800	15,400
190'-3"								21,400	14,200
203'-5"									
216'-6"									
229'-8"									
242'-9"									
255'-11"									
								7-8-01	
								4/11	
								A150	
						195652 40 2			



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75 %	TC 1200							360°	
	LUFFING FLY JIB ANGLE OF MAIN BOOM 88°							39'-4.4" (12 x 12 m)	
RADIUS (FT.)	CAPACITIES (POUNDS) = LOAD + HOOK BLOCK								
	MAIN BOOM (FT.)						99 TON CWT.		
	137'-9.5" (42m)								
	JIB (FT.)								
	59'-1"	78'-9"	98'-5"	118'-1"	137'-9"	157'-6"	177'-2"	196'-10"	216'-6"
32'-10"									
39'-4"		149,600							
45'-11"		143,200	119,800						
52'-6"		137,000	116,000	95,200	76,400				
59'-1"		131,000	112,400	93,400	75,800	60,600			
65'-7"		125,800	108,600	91,400	75,000	60,000	47,800		
72'-7"		120,200	105,000	89,200	74,000	58,800	47,200	38,000	
78'-9"		112,600	101,800	87,400	73,000	58,000	46,600	37,400	
85'-0"		101,400	98,200	85,200	72,200	57,200	45,800	36,200	
91'-10"		92,000	91,000	83,000	71,200	56,400	45,200	35,400	
98'-5"			83,200	80,800	70,000	55,600	44,400	34,400	
111'-7"				70,000	67,800	53,600	42,600	33,000	
124'-8"				61,000	60,000	52,000	40,600	31,000	
137'-9"					52,800	50,200	39,000	29,400	
150'-11"						48,400	37,400	27,600	
164'-0"						46,400	35,200	26,400	
177'-2"							33,200	25,000	
190'-3"								24,200	
203'-5"								23,000	
216'-6"									
229'-8"									
242'-9"									
255'-11"									
								7-8-01	
								5/11 A150	
						195652 40 3			

75 %	TC 1200 LUFFING FLY JIB ANGLE OF MAIN BOOM 88°	360°
		39'-4.4" (12 x 12 m)

RADIUS (FT.)	CAPACITIES (POUNDS) = LOAD + HOOK BLOCK								
	MAIN BOOM (FT.)								99 TON CWT.
	157'-5.7" (48m)								
	JIB (FT.)								
	59'-1"	78'-9"	98'-5"	118'-1"	137'-9"	157'-6"	177'-2"	196'-10"	216'-6"
32'-10"									
39'-4"		134,200							
45'-11"		129,000	108,800						
52'-6"		123,800	106,000	87,000					
59'-1"		119,000	102,800	85,200	69,400	57,200			
65'-7"		114,400	99,800	83,800	68,800	56,400	45,200		
72'-7"		110,000	97,000	82,000	68,200	55,600	45,000	35,800	
78'-9"		105,600	93,800	80,200	67,200	55,200	44,600	35,200	27,600
85'-0"		101,400	91,000	78,400	66,400	54,400	44,200	34,200	27,000
91'-10"		92,000	88,200	76,600	65,400	53,800	43,600	33,600	26,000
98'-5"			83,000	75,000	64,600	53,200	42,800	33,000	25,000
111'-7"			71,000	69,800	62,400	51,600	41,800	31,600	23,800
124'-8"				60,600	59,600	50,000	40,200	30,200	22,600
137'-9"					52,400	48,000	38,400	29,000	21,200
150'-11"						46,200	36,600	27,400	20,000
164'-0"						41,200	34,800	26,000	18,600
177'-2"							33,000	24,600	17,200
190'-3"								23,000	16,000
203'-5"								21,400	14,600
216'-6"									13,400
229'-8"									
242'-9"									
255'-11"									
								7-8-01	
								6/11	
								A150	
						195652 40 3			



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75 %		TC 1200							360°	
									39'-4.4" (12 x 12 m)	
RADIUS (FT.)		CAPACITIES (POUNDS) = LOAD + HOOK BLOCK								
		MAIN BOOM (FT.)							99 TON CWT.	
		177'-2" (54m)								
		JIB (FT.)								
		59'-1"	78'-9"	98'-5"	118'-1"	137'-9"	157'-6"	177'-2"	196'-10"	216'-6"
32'-10"										
39'-4"		124,000								
45'-11"		120,200	100,000							
52'-6"		116,800	97,800	81,800						
59'-1"		113,200	95,600	80,200	64,400	53,000				
65'-7"		109,600	93,600	78,800	63,400	52,400	42,200			
72'-7"		106,200	91,400	77,600	62,800	51,800	41,800	33,800		
78'-9"		102,600	89,000	76,000	62,400	51,200	41,200	33,400	27,000	
85'-0"		99,200	87,200	74,400	61,600	50,800	40,800	33,200	26,600	
91'-10"		91,800	84,800	73,200	60,800	50,200	40,600	32,600	25,800	
98'-5"			82,400	71,800	60,200	49,600	40,000	32,200	25,200	
111'-7"			70,800	69,800	58,400	48,600	39,600	31,400	24,600	
124'-8"				60,600	56,600	47,400	38,600	30,400	23,400	
137'-9"					52,400	46,200	38,000	29,400	22,200	
150'-11"						43,600	36,600	28,200	20,800	
164'-0"						41,200	35,600	27,200	19,800	
177'-2"							34,000	25,800	18,400	
190'-3"								24,400	17,000	
203'-5"								22,800	15,800	
216'-6"									14,400	
229'-8"										
242'-9"										
255'-11"										
								7-8-01		
								7/11		
								A150		
						195652 40 4				

75 %	TC 1200							360°	
	LUFFING FLY JIB ANGLE OF MAIN BOOM 88°							39'-4.4" (12 x 12 m)	
RADIUS (FT.)	CAPACITIES (POUNDS) = LOAD + HOOK BLOCK								
	MAIN BOOM (FT.)							99 TON CWT.	
	255'-10.9" (78m)								
	JIB (FT.)								
	59'-1"	78'-9"	98'-5"	118'-1"	137'-9"	157'-6"	177'-2"	196'-10"	216'-6"
32'-10"									
39'-4"									
45'-11"									
52'-6"			54,400	47,600					
59'-1"			54,200	47,000	39,600				
65'-7"			53,800	46,400	39,000	32,000			
72'-7"			53,400	46,200	38,600	31,800	26,600	22,000	
78'-9"			52,800	45,600	38,200	31,600	26,600	21,600	
85'-0"			52,000	45,400	38,000	31,600	26,400	21,400	
91'-10"			51,400	45,000	37,600	31,400	26,000	21,200	
98'-5"			49,800	44,200	37,400	31,400	25,800	21,000	
111'-7"			48,400	43,000	36,400	31,200	25,800	20,800	
124'-8"				41,200	35,600	30,800	25,600	20,600	
137'-9"					34,000	30,000	25,400	20,400	
150'-11"					32,600	29,200	24,800	20,200	
164'-0"						28,000	24,200	20,000	
177'-2"							23,200	19,200	
190'-3"							22,400	18,800	
203'-5"								18,000	
216'-6"								14,000	
229'-8"									
242'-9"									
255'-11"									
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