CONVENTIONAL CRANE 308 TONS DEMAG TC 1200

BOOM LENGTHS: 39 TO 295 FT

JIB LENGTHS: 59 TO 216 FT

JIB OFFSETS: Luffing

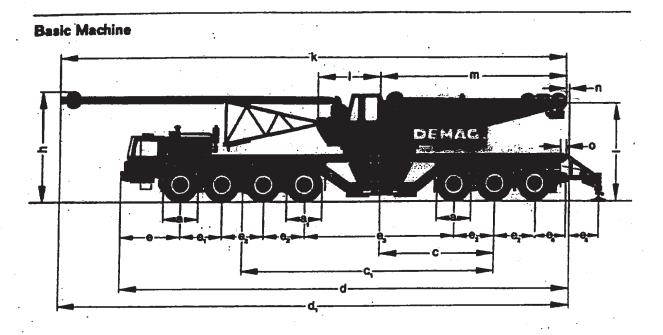


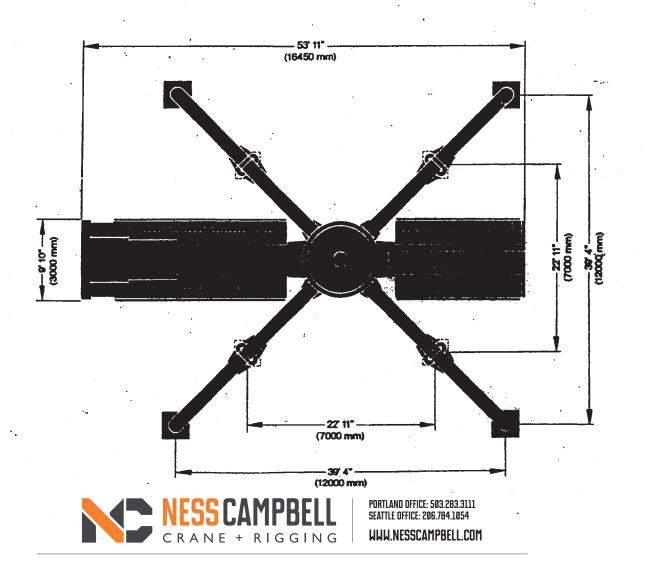


NOTES:

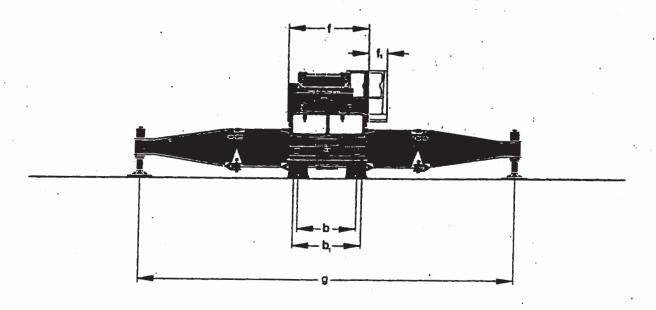


DEMAG Baumaschinen 308 Ton Cap.





DEMAG Baumaschinen 308 Ton Cap.



a	. 14.0	0 - 24, PR 22
a ₁	12.0	0 - 24, PR 20
b	7' 1''	(2170 mm*)
bı	8'5"	(2 503 mm)
С	13'9"	(4 200 mm)
Ct	30'	(9 150 mm)

ď	54'9"	(16710 mm)
d ₁	62' 2"	(18 950 mm)
e	8'	(2 450 mm)
eı	5'3"	(1 600 mm)
e ₂	4'11"	(1 500 mm)
e3	17'8"	(5 400 mm)

·e4	3′	(1 150 mm)
f	9' 10"	(3 000 mm)
fı	2' 4"	(700 mm)
g	39' 4''	(12 000 mm)
h	12'11"	(3 950 mm)
i	11'2"	(3 600 mm)

· k	61'4"	(18 700 mm)
1	7' 2"	(2 200 mm)
m	22'	(6 710 mm)
n	10"	(250 mm)
0	6"	(150 mm)

Truck Carrier

Engine	KHD BF 12 L 413
System	12 cyl4 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	14×8
Suspension	
Front	1st and 2nd Axles: Leaf springs; 3rd and 4th = Hydraulic auspension
Rear	1st and 2nd Axles = Walking Beams, 3rd = Hydraulic suspension
Outriggers	4 articulated dismountable outrigger beams with hydraulic jack legs

THIS INFORMATION IS FOR REFERENCE USE ONLY. OPERATORS MANUALS SHOULD BE CONSULTED AND ADHERED TO. PLEASE CONTACT NESS CAMPBELL AT INFO@NESSCAMPBELL.COM FOR FURTHER INFORMATION.

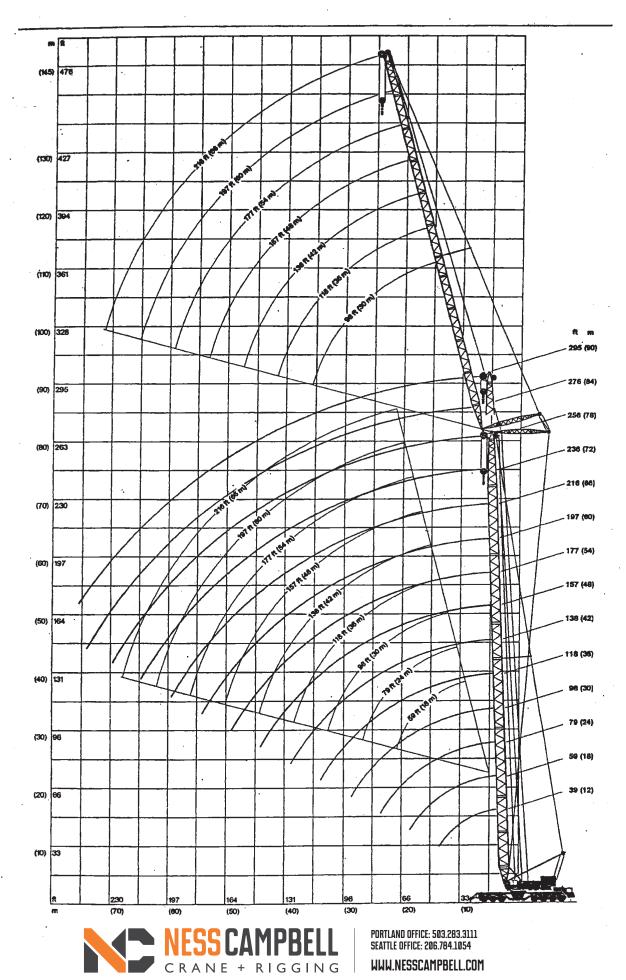
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^{* 4}th Front Axle

DEMAG Baumaschinen 308 Ton Cap.



			TC	1200	39	R SPREAD '-4.4" SQ.
	85 %		· · · · · · · · · · · · · · · · · · ·	360)° (12	x 12 m)
	CAPA	ACITIES	(POUNDS)	= LOAD + HOOK	BLOC	K
	MAIN BOOM	ONLY (FT.)		99	TON CWT.
	100 (11 200)	(,			
		1	T		1	
		RADIUS	85 %		RADIUS	85 %
		(FT.)	RATED		(FT.)	RATED
	BOOM	20	616,000	воом	23	550,000
	LENGTH	23	550,000	LENGTH	26	503,000
	(FT.)	26	506,000	(FT.)	30	425,000
	7	30	430,000	$\overline{}$	33	382,000
	40	33	386,000		36	344,000
		36	353,000		40	306,000
		40	312,000		46	260,000
	All capacities abo	ove the p	parting line		53	220,000
•	are based on sti those below the				59	196,000
	stability for the	percentag			66	177,000
	load as indicated	l.			72	156,000
					23	550,000
		20	616,000		26	498,000
	BOOM	. 23	550,000	POON	30	422,000
	BOOM LENGTH	26	504,000	BOOM LENGTH	33	378,000
	(FT.)	30	427,000	(FT.)	36	342,000
		33	384,000		40	304,000
	\leftarrow ()	36	348,400	$(\)$	46	258,000
		40	307,000	$\mathcal{L}(\mathcal{L}(\mathcal{L}))$	53	217,000
		46	262,000)	59	193,000
		53	224,000		66	169,000
		59	198,000	8-28-01	72	153,000



79

85 92 137,000

127,000

116,000

1/6 A179

TO	1	9	\cap	
TC	Ì	2	U	U

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

360°

85 %

CAPACITIES (POUNDS) = LOAD + HOOK BLOCK

MAIN BOOM ONLY (FT.)

99 TON CWT.

	RADIUS	85 %			RADIUS	85 %
	(FT.)	RATED			(FT.)	RATED
ВООМ				ВООМ		
LENGTH				LENGTH		<u> </u>
(FT,)	23	510,000		(FT.)		
111	26	472,000	-	170	26	436,000
	30	422,000			30	408,000
1 1	<u> </u>	380,000		$\frac{1}{1}$	33	376,000
	. 36	340,000			36	337,600
	40	300,000			40	297,000
	46	255,000			46	253,000
All capacities	53	217,000			53	213,000
above the parting line	gre 59	190,800			59	189,000
based on	66	168,000			66	166,000
structural strength, the	se 72	151,000			72	150,000
below the lin	ne 79	136,000			79	134,000
are based o		125,000			85	122,000
percentage of	of 92	114,000			92	112,000
tipping load indicated.	98	106,000			98	103,000
					110	89,000
				4	125	75,000
					:	
			8-2	8-01		
			1	/6		
			A1	79		



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	O/R SPREAD 39'-4.4" SQ.
· · · · · · · · · · · · · · · · · · ·	(12 y 12 m)
750° 1	11/ X 1/ [[]])

	85 %					360) (12	x 12 m)
	CAPA	ACITIES	(POUNDS) =	LOAD	+ HOOK	BLOCK	(
	MAIN BOOM	ONLY (FT.)				99	TON CWT.
	MAIN BOOM							1011 0111.
		<u> </u>		10			 	
·		RADIUS	85 %				RADIUS	85 %
		(FT.)	RATED				(FT.)	RATED
	ВООМ				BO	OM		
	LENGTH		- " · · · · ·			NGTH		
	(FT.)				(FT	.)		
1	$1 \subseteq 7$			/	1 -	7 7		
		30	388,000			/ /	30	340,000
		33	362,000		·	<u> </u>	33	328,000
		36	330,400				36	315,400
		40	298,000				40	294,000
•		46	253,000				46	251,000
		53	213,000				53	211,000
	All capacities	59	187,600				59	186,000
	above the parting line are	66	165,000				66	162,000
	based on	72	148,000				72	146,400
1	structural strength, those	79	132,000			_	79	131,000
1	below the line	85	121,000				85	119,600
	are based on stability for the	92	112,000				92	108,000
	percentage of	98	102,000				98	100,000
	tipping load as indicated.	110	87,000				110	85,200
ſ		125	72,000				125	71,000
		140	61,000				140	60,000
							150	54,000
. [
				8-2	9-01			
				3,				
				A	79			



 			T-0	4.0	0.0		·						7
			TC	121				-	O/R	SI	PRE	EAD	
									0/R 39'-	-4.	4"	SQ.	
	85	%					360°		(12	×	12	m)	
		CAPACITIES	(POUNDS	5) =	LOAD	+	HOOK	Bl	LOCK				
										_			1

CAPA	ACITIES	(POUNDS)) =	LOAD	+ HOOK	BLOC	<u> </u>
MAIN BOOM	ONLY (FT.)				99	TON CWT.
		·····					,
	RADIUS	85 %				RADIUS	85 %
·	(FT.)	RATED				(FT.)	RATED
ВООМ				B00	DM MC		
LENGTH	·				IGTH		
(FT.)				(FT	.)		
$1 \cap 7$) ′			
\mathcal{L}				_			
, ,	33	291,000				33	238,000
	36	278,000	ļ			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	72	144,600				72	143,000
above the parting line are	79	129,600				79	128,000
based on	85	118,000				85	116,400
structural strength, those	92	107,000				92	105,600
below the line	98	99,000			·	98	97,000
are based on stability for the	110	84,000				110	82,400
percentage of	125	69,600				125	68,000
tipping load as indicated.	140	58,000				140	58,000
	150	52,800				150	52,000
	165	45,000				165	43,600
	180	40,000				180	38,000
			8-2	9-01		190	35,000
			11	/6			
			11 -				
			A	79			



TC 1200

O/R SPREAD 39'-4.4" SQ.

•		11						1.	
-		85 %	·				360	° (12	x 12 m)
		CAPA	CITIES	(POUNDS)	=	LOAD	+ HOOK	BLOCK	<
	MA	IN BOOM) YINC	FT.)				99	TON CWT.
	IVIX			,					
-					10				
			RADIUS	85 %				RADIUS	85 %
			(FT.)	RATED				(FT.)	RATED
	,	BOOM				BC	ОМ		
} !		ENGTH				LE	NGTH		
	((FT.)				(F	Γ.)		
(7	33	194,000	/			33	163,000
		50	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
		capacities	72	138,400				72	110,200
		ve the ing line are	79	127,000		, <u></u>		79	103,400
	base	ed on	85	115,000				85	98,400
		ctural ngth, those	92	104,000				92	92,600
	belo	w the line based on	98	95,000				98	88,000
		ility for the	110	82,000				110	79,000
	perc	entage of a load as	125	67,000				125	66,000
	indic	cated.	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
					8-2	9-01		220	24,000
					H	/6		230	22,000
					i .				
			·		A	79			



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TC	1			
10		2	U	U

0/R SPREAD 39'-4.4" SQ.

85 %

360°

(12 x 12 m)

	CAF	ACITIES	(POUNDS)	=	LOAD	+	HOOK	BLOC	<	
MAIN	воом	ONLY	(FT.)					99	TON	CWT.

	<u> </u>						
	RADIUS	85 %				RADIUS	85 %
	(FT.)	RATED			·	(FT.)	RATED
ВООМ			1	E	BOOM		
LENGTH			1	į	ENGTH		
(FT.)			1	((FT.)		
076	36	132,400) (75	36	116,800
	40	125,000		/ \	\mathcal{I}	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	98	69,600				98	56,000
above the parting line are	110	62,000				110	49,600
based on	125	55,600				125	43,000
structural strength, those	140	49,000				140	36,400
below the line	150	45,400				150	34,000
are based on stability for the	165	40,600				165	31,200
percentage of tipping load as	180	34,000				180	26,000
indicated.	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/ A1	40			
·			Al	40			



	TC	120	0						360)°			
75	%		LUF	FING	FLY J	IB			39'-4	I // "			
		,	ANGLE	OF MAI	N B00	M 88°		(12 x 1				
		CAPAC	ITIES (POUND	S) = L	OAD +	- H00						
						.0710				0.115			
	NS	MAIN	MAIN BOOM (FT.) 99 TON CW										
·	RADIUS (FT)		98'-5.1" (30m)										
	2 C	JIB (F	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	34,200			
	78'-9"		112,800	111,600	99,400	84,600	63,800	48,600	40,200	33,000			
	85'-0"		101,800	100,400	96,200	83,800	62,400	47,400	38,800	31,800			
	91'-10"			91,200	90,400	82,600	61,000	46,600	37,800	30,800			
	98'-5"			83,600	82,400	81,400	60,000	45,400	36,600	29,200			
	111'-7"				70,400	69,000	57,200	43,200	34,200	27,000			
~	124'-8"				61,000	59,800	54,400	41,000	32,000	24,600			
	137'-9"					52,800	51,800	40,200	29,600	22,600			
	150'-11"						46,200	37,000	27,600	20,600			
	164'-0"						41,400	34,800	25,800	18,600			
	177'-2"							33,000	24,400	16,800			
	190'-3"								22,800	15,400			
	203'-5"								21,400	14,200			
	216'-6"												
	229'-8"	_	·										
	242'-9"												
	255'-11"												
								-,	7-8	3-01			
}									3/	11			
							195652	40 2	A1	50			



	TC	120	0		~				360)°			
75	%		LUF	FING	FLY J	IIB			39'-4	4 4 37			
	ANGLE OF MAIN BOOM 88° (1)												
	· -	CARAC	CAPACITIES (POUNDS) = LOAD + HOOK BLOCK										
													
	SI	MAIN	воом					9	9 TON	CWT.			
	RADIUS (FT)		118'-1.3" (36m)										
	25 (2)	JIB (F	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/	1.1			
									·/ // 1 /	50			
							195652	40 2	A1:	00			



		TC	1200	C					·		360	٥	
75	%			LUFI	FING	FLY J	IB				701 4	4 "	
			Į.	ANGLE	OF MAI	N B00	M 88°			11	39'-4 12 × 1	2 m)	
			04540	ITIES /		2)	040	11001	/ DI	<u> </u>			
			CAPAC	111ES (1	CONDS	S) = L	UAU +	- 1001	\ DI	_0			
	S		MAIN E	300M ((FT.)					9	9 TON	CWT.	
		(FT)			137'-9	.5" (4	12m)						
	2		JIB (F	т.)									
			59'-1"	78'-9"	98'-5"	118'-1"	137'-9"	157'-6"	177'-	-2"	196"-10"	216'-6"	
	32	'-10 "											
	39	'-4"		149,500									
	45	'-11 "		143,200	119,800								
	52	'6 "		137,000	116,000	95,200	76,400						
	59	'1"		131,000	112,400	93,400	<u>-</u> 75,800	60,600					
	65	'-7"		125,800	108,600	91,400	75,000	60,000	47,8	00			
	72	-7 "		120,200	105,000	89,200	74,000	58,800	47,2	00	38,000	29,600	
	78	'-9"		112,600	101,800	87,400	73,000	58,000	46,6	00	37,400	28,800	
L	85	'-0"		101,400	98,200	85,200	72,200	57,200	45,8	00	36,200	27,600	
	91	'-10°		92,000	91,000	83,000	71,200	56,400	45,2	00	35,400	26,600	
		'-5"			83,200	80,800	70,000	55,600	44,4	00	34,400	24,600	
	111	' -7 "				70,000	67,800	53,600	42,6	00	33,000	23,000	
	124	'-8"				61,000	60,000	52,000	40,6	00	31,000	21,200	
	137	'-9"					52,800	50,200	39,0	00	29,400	19,800	
	150	-11"						48,400	37,4	00	27,600	18,400	
	164	'-0"						46,400	35,2	00	26,400	17,000	
_	177	'-2"							33,2	00	25,000	16,000	
	190	'-3"				<u></u>					24,200	14,600	
	203	' 5"									23,000	13,400	
	216	' -6"											
[229'-8"								<u> </u>				
	242'-9"												
	255	'-11"											
Ī											7-	8-01	
ĺ											5/	111	
								19565	2 40	3	1	50	
					L	<u> </u>	L	13303.					



		120							360)°			
75	%		LUF	FING	FLY J	IB			39'-4	1 1 11			
		,	(12 x	12 m)									
		CAPAC	CAPACITIES (POUNDS) = LOAD + HOOK BLOCK										
	40												
	SOL	MAIN BOOM (FT.) 99 TON CWT. 157'-5.7" (48m)											
	RADIUS (FT)												
	R	JIB (F	T.)										
		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				
ł	78'-9"		105,600	93,800	80,200	67,200	55,200	44,600	35,200	27,600			
L	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"	٠.								13,400			
	229'-8"		:										
	242'-9"												
	255'-11"												
									7-8	i-01			
1			6/11										
										-			
1							195652	40 3	A1	OU			



	TC	120	0					ļ	360)°			
75	%		LUF	FING	FLY J	IB			30'/	· / "			
	.	1	39'-4 (12 x '	12 m)									
		CAPAC	ITIFS (POUNDS	S) = L	OAD +	- HOO						
			·						99 TON CWT.				
	RADIUS (FT)	MAIIN	BOOM	`	21 /= 4			 	99 101	CVVI.			
	AD (F		177'-2" (54m)										
		JIB (F	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	42,20	0				
	72'-7"		106,200	91,400	77,600	62,800	51,800	41,80	0 33,800				
	78'-9"		102,600	89,000	76,000	62,400	51,200	41,20	0 33,400	27,000			
	85'-0"		99,200	87,200	74,400	61,600	50,800	40,80	0 33,200	26,600			
	91'-10"		91,800	84,800	73,200	60,800	50,200	40,60	0 32,600	25,800			
	98'-5"			B2,400	71,800	60,200	49,600	40,00	0 32,200	25,200			
	111'-7"			70,800	69,800	58,400	48,600	39,60	0 31,400	24,600			
•	124"-8"				60,600	56,600	47,400	38,60	0 30,400	23,400			
	137'-9"					52,400	46,200	38,00	0 29,400	22,200			
	150'-11"						43,600	36,60	0 28,200	20,800			
	164'-0"						41,200	35,60	0 27,200	19,800			
	177'-2"							34,00	0 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	3-01			
									7/	11			
]		1 1	50			
							195652	40 4	A1	30			



	1	TC	120							360)°			
75	%				FING OF MAI	FLY J	IB M 88°			39'-4 (12 x 1	1.4"			
			CARAC	ITIES (POLINID	S) = L		H00			- 111)			
			<u> </u>			3) - [UAD 1	100	N DL					
	S		MAIN	300M (•	0.9"				99 TON CWT.				
	RADIUS	F												
	2	<u>. </u>	JIB (F	IB (FT.)										
			59'-1"	78'-9"	98'-5"	118'-1"	137'-9"	157'-6"	177'-	2"196'-10"	216'-6"			
	32'-	-10"												
	39'-	-4"	-								4			
	45'-	-11"												
	52'-	-6 "		·	54,400	47,600								
	59'-				54,200	47,000	39,600							
-	65'-				53,800	46,400	39,000	32,000						
	72'-				53,400	46,200	38,600	31,800	26,60	0 22,000				
	78'-				52,800	45,600	38,200	31,600	26,600	21,600	18,000			
	85'-				52,000	45,400	38,000	31,600	26,40	0 21,400	18,000			
		-10"			51,400	45,000	37,600	31,400	26,000	21,200	17,800			
	98'-				49,800	44,200	37,400	31,400	25,800	21,000	17,600			
	111'-				48,400	43,000	36,400	31,200	25,800	20,800	17,200			
	124'-	-8*				41,200	35,600	30,800	25,600	20,600	17,000			
	137'-	-9"					34,000	30,000	25,400	20,400	17,000			
	150'-	\longrightarrow					32,600	29,200	24,800	20,200	16,800			
	164'-							28,000	24,200		16,600			
	177'-								23,200		16,200			
	190'-								22,400	18,800	15,800			
	203'-									18,000	14,800			
	216'-										14,000			
	229'-													
	242'-													
	255'-	11"												
										7-8	-01			
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