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LIFTCRANE CAPACITIES

CRAWLER

BOOM NO. 8 WITH OPEN THROAT TOP 74,000 LB. COUNTERWEIGHT

LIFTING CAPACITIES: Capacities for various boom lengths and operating radii may be based on per cent of tipping, strength of structural components, operating speeds and other factors.

Capacities are for freely suspended loads and do not exceed 75% of a static load required to tip machine with boom across crawlers. Capacities based on structural competence are shown by shaded areas.

Capacities are shown in pounds. Weight of jib, (see chart A), all load blocks, hooks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., is considered part of the main boom load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate in level position on a firm surface with gantry in working position and under conditions referred to in rigging drawing No. 42925, No. 43258, No. 48029, or No. 48237, and load line specification chart No. 4899.

Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, as well as adverse operating conditions & physical machine depreciation.

OPERATING RADIUS: Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load block with the load freely suspended. Add 11" to boom point radius for radius of sheave when using single part hoist line.

Boom angle is the angle between horizontal and centerline of boom butt and inserts and is an indication of operating radius. In all cases, operating radius shall govern capacity.

BOOM POINT ELEVATION: Boom point elevation, in feet, is the vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 20'-4" crawlers, 38" treads, 15' gantry, 10 or 12 part (No. 42925, No.

43258, No. 48029) or 10 part (No. 48237) boom hoist reeving, two 1½" or 1¾" boom pendants, 1st ctwt. 32,000 lbs., 2nd ctwt. 26,500 lbs., 3rd ctwt. 15,500 lbs. Total counterweight 74,000 pounds.

	OIST REE	VING FO	R MAIN L	OAD BLO	CK	
No. Parts of Line	1	2	3	4	5	6
Max. Load — Lbs.	22,500	45,000	67,500	90,000	112,500	135,000
No. Parts of Line	7	8	9			
Max. Load — Lbs.	157,500	180,000	200,000			

LOAD AND WHIP LINE SPECIFICATIONS

LOAD LINE: 1" — 6x25 Filler Wire, Improved Plow Steel, Regular Lay, IWRC.
Minimum Breaking Strength 44.9 Ton.

WHIP LINE: 1" — 6x25 Filler Wire, improved Plow Steel, Regular Lay, IWRC.

Minimum Breaking Strength 44.9 Ton. Maximum Load — 22,500 lbs.
per Line.

	OVER OCKE	OVER SIDE OF CRAWLERS											
Boom	F	JIB	NUM	BER		Boom	JIB NUMBER						
Length	104	113	121	123	124	Longth	104	113	121	123	124		
210' 200' 190' 180' 170'	30′	30' 40' 40'	30' 60' 60'	30' 50' 60'	30' 60' 60'	190' 180' 170' 160'	30′	30' 40'	90, 90,	30' 60'	30° 60°		

(A) DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED													
Jib Length	Jib No. 104	Jib No. 113	Jib No. 121	Jib No. 123	Jib No. 124								
30' 40' 50' 60'	2,250 Lb. — — — — — —	2,910 lb. 3,550 lb. ———	1,800 lb. 2,050 lb. 2,300 lb. 2,500 lb.	2,500 lb. 3,100 lb. 3,700 lb. 4,400 lb.	1,800 lb. 2,050 lb. 2,300 lb. 2,500 lb.								

For jib capacities, consult jib chart.

Boom Leth.: Feet	Oper. Rad.: Feet	Boom Ang.: Deg.	Boom Point: Elev.	Capacity:	Boom Leth.: Feet	Oper. Rad.: Feet	Boom Ang.: Dog.	Boom Point: Elev.	Capacity:	Boom Leth.: Feet	Oper. Rad.: Feet	Boom Ang.: Deg.	Boom Point: Elev.	Capacity:	Boom Leth.: Feet	Oper. Rad.: Feet	Boom Ang.: Deg.	Boom Point: Elev.	Capacity:
	16 17 18 19 20	78.1 77.1 76.1 75.2 74.2	65.4 65.2 65.0 64.7 64.4	180,200 163,400 149,400 137,500	7	45 50 55 60 65	53.8 48.5 42.8 36.4 28.7 18.5	63.2 59.2 54.3 48.2 40.4	43,800 38,100 33,700 30,000 27,100 24,500		18 19 20 22 24	80.8 80.2 79.5 78.2 76.9	95.6 95.4 95.2 94.8 94.4	162,600 148,500 136,600 117,600 103,100		19 20 22 24 26	81.2 80.6 79.4 78.2 77.1	105.5 105.4 105.0 104.6 104.2	148,400 136,500 117,500 103,000 91,500
6	22 24 26 28 30	72.2 70.1 68.1 66.0 63.9	63.8 63.2 62.4 61.5 60.6	118,600 104,100 92,700 83,400 75,800		70 16 17 18 19 20	81.1 80.4 79.6 78.9	29.0 85.8 85.6 85.4 85.2	179,700 162,900 148,800	9	26 28 30 32 34	75.6 74.2 73.0 71.6 70.3	93.9 93.4 92.8 92.1 91.4	91,700 82,400 74,700 68,300 62,800	1	28 30 32 34 36	75.9 74.7 73.5 72.3 71.1	103.7 103.2 102.6 102.0 101.3	82,300 74,600 68,200 62,700 58,000
0	32 34 36 38 40	61.8 59.6 57.3 55.0 52.7	59.6 58.5 57.2 55.9 54.4	69,400 63,900 59,200 4,56,100		22 24 26 28 30	78.2 76.7 75.2 73.8 72.3 70.8	85.0 84.6 84.1 83.5 82.9 82.2	137,000 118,000 103,500 92,000 82,800	0	36 38 40 45 50	68.9 67.5 66.2 62.6 59.0	90.7 89.9 89.0 86.6 83.9	58,100 54,000 50,400 43,000 37,400	0	38 40 45 50 55	69.9 68.7 65.6 62.4 59.1	100.6 99.9 97.8 95.3 92.5	53,900 50,200 42,900 37,200 32,800
	45 50 55 60	46.4 39.4 31.1 20.0	50.2 44.8 37.7 27.3	38,500 34,100 30,500	8 0	32 34 36 38 40	69.2 67.7 66.1 64.6	81.5 80.7 79.9 79.0 78.0	75,100 68,700 63,200 58,500 54,400	-	55 60 65 70 75	55.2 51.2 47.0 42.5 37.5	80.6 76.9 72.5 67.5 61.5	32,900 29,300 26,300 23,800 21,600	U	60 65 70 75 80	55.7 52.1 48.4 44.5 40.2	89.3 85.7 81.5 76.8 71.3	29,100 26,100 23,600 21,500 19,600
-	16 17 18 19 20	79.8 79.0 78.1 77.3 76.5	75.6 75.4 75.2 75.0 74.8	179,900 163,100 149,100 137,200	U	45 50 55 60 65	58.9 54.6 50.0 45.2	75.2 71.5 68.0 63.5	43,500 37,800 33,300 29,700		80 85 90	31.9 25.3 16.3	54.3 45.2 32.0	19,800 18,200 16,700		85 90 95 100	35.5 30.3 24.0 15.5	64.8 57.1 47.3 33.4	18,000 16,600 15,300 14,200
/	22 24 26 28 30	74.8 73.1 71.4 69.6 67.9	74.3 73.7 73.0 72.3 71.6	118,200 103,700 92,300 83,000 75,400		70 75 80	39.9 33.9 26.9 17.3	58.0 51.4 42.9 30.5	26,700 24,200 22,100 20,200										

Capacities continued on reverse side.

Form No. 5072, 9-22-78/GAO



This information is provided courtesy of Essex Crane Rental Corp. Sales Toll-Free: 888-911-4100 Corporate Phone: 847-215-6500 Email: sales@essexcrane.com Website: www.essexcrane.com

MANITOWOC ENGINEERING CO.

A Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



LIFTCRANE CAPACITIES

BOOM NO. 8 WITH OPEN THROAT TOP 74,000 LB. COUNTERWEIGHT

LIFTING CAPACITIES: Capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed **75%** of a static tipping load. Capacities based on structural competence are shown by shaded areas.

Upper boom point capacity (whip line) for single part line is 22,500 lbs. (20,000 lbs. when rear auxiliary drum is used). In all cases, upper boom point capacities cannot exceed those listed for the main boom capacity.

Capacities are shown in pounds. Weight of jib, (see chart A), all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is to be considered part of the main boom load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved. See boom raising capability chart.

OPERATING CONDITIONS: Machine to operate in a level position on a firm surface with gantry in working position and be rigged in accordance with and under conditions referred to in rigging drawing No. 48029 or No. 48237 and load line specification chart No. 4899.

Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation.

OPERATING RADIUS: Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load block with the load freely suspended. Add 11" to boom point radius for radius of sheave when using single part hoist line.

Boom angle is the angle between horizontal and centerline of boom butt and inserts and is an indication of operating radius. In all cases, operating radius shall govern capacity.

BOOM POINT ELEVATION: Boom point elevation, in feet, is the vertical distance from ground level to centerline of boom point shaft.

machine Equipment: Machine equipped with 20'4" crawlers, 38" or 48" treads, 15' retractable gantry, 10 or 12 part boom hoist reeving, two 1-1/2" boom pendants, 1st ctwt. = 32,000 lbs., 2nd ctwt. = 26,500 lbs., 3rd ctwt. = 15,500 lbs.

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	ANSI B30.5	ï	
	REQUIREMENTS	;	
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___ 3900 CRAWLER

HOIST REEVING FOR MAIN LOAD BLOCK												
No. Parts of Line 1 2 3 4 5												
Maximum Load — Lbs.	22,500	45,000	67,500	90,000	112,500							
No. Parts of Line	6	7	8	9								
Maximum Load — Lbs.	135,000	157,500	180,000	200,000								

	 OAD AND	WHIP	LINE SPE	ECIFICAT	IONS	
. M					el, Regular Lay, I Weight Per Ft. i	

WHIP LINE: 1" — 6x25 Filler Wire, Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 44.9 Ton. Maximum Load — 22,500 lbs. per Line. (Approx. Weight Per Ft. in Lbs. 1.85)

В	OVER FRONT		OVER SIDE OF CRAWLERS							
Bm. Lgth.	Jib No. 123	Jib No. 124	Bm. Lgth.	Jib. No. 123	Jib No. 124					
210' 200' 190' 180'	30,	90. 90.	190' 180' 170' 160'	30.	30° 60°					

	UCT FROM CA	
Jib Lgth.	Jib No. 123	Jib No. 124
30' 40' 50' 60'	2,500 lb. 3,100 lb. 3,700 lb. 4,400 lb.	1,800 lb. 2,050 lb. 2,300 lb. 2,500 lb.

For jib capacities, consult jib chart.

Boom Leth.: Feet	Oper. Rad.: Feet	Boom Ang.: Deg.	Boom Point: Elev.	Capacity:	Boom Leth.: Feet	Oper. Rad.: Feet	Boom Ang.: Deg.	Boom Point: Elev.	Capacity:	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Ang.: Deg.	Boom Point: Elev.	Capacity:	Boom Leth.: Feet	Oper. Rad.: Feet	Boom Ang.: Deg.	Boom Point: Elev.	Capacity:
	15 16 17 18 19	79.1 78.1 77.1 76.1 75.2	65.6 65.4 65.1 64.9 64.7	200,000 200,000 180,200 163,400 149,400	7	40 45 50 55 60	58.7 53.8 48.5 42.8 36.4	66.5 63.1 59.1 54.2 48.2	51,100 43,800 38,100 33,700 30,000		18 19 20 22 24	80.8 80.2 79.5 78.2 76.9	95.5 95.3 95.2 94.8 94.3	162,600 148,500 136,600 117,600 103,100		19 20 22 24 26	81.2 80.6 79.4 78.2 77.1	105.5 105.3 105.0 104.6 104.1	148,400 136,500 117,500 103,000 91,500
6	20 22 24 26	74.2 72.2 70.1 68.1	64.4 63.8 63.1 62.3	137,500 118,600 104,100 92,700	_	65 70 16 17	28.7 18.5 81.1	40.3 28.9 85.7	27,100 24,500	^	26 28 30 32 34	75.6 74.3 73.0 71.6	93.8 93.3 92.7 92.1	91.700 82.400 74.700 68,300	1	28 30 32 34 36	75.9 74.7 73.5 72.3	103.6 103.1 102.5 101.9	82,300 74,600 68,200 62,700
Ŏ	30 32 34 36 38	66.0 63.9 61.8 59.6 57.3 55.0	61.5 60.5 59.5 58.4 57.2 55.8	75,800 69,400 63,900 59,200 55,100		18 19 20 22 24	80.4 79.6 78.9 78.2 76.7 75.2	85.5 85.4 85.2 85.0 84.5 84.0	179,700 162,900 148,800 137,000 118,000 103,500	9	36 38 40 45 50	70.3 68.9 67.5 66.2 62.6 59.0	91.4 90.6 89.8 89.0 86.6 83.8	58,100 54,000 50,400 43,000 37,400	Ó	38 40 45 50 55	71.1 69.9 68.7 65.6 62.4 59.1	101.3 100.6 99.8 97.7 95.3 92.5	58,000 53,900 50,200 42,900 37,200 32,800
	40 45 50 55 60	52.7 46.4 39.4 31.1 20.0	54.4 50.1 44.7 37.6 27.2	51,500 44,200 38,500 34,100 30,500	8	26 28 30 32 34 36 38	73.8 72.3 70.8 69.2 67.7 66.1	83.5 82.9 82.2 81.5 80.7 79.8	92,000 82,800 75,100 68,700 63,200 58,500		55 60 65 70 75	55.2 51.2 47.0 42.5 37.5	80.6 76.8 72.5 67.4 61.5	32,900 29,300 26,300 23,800 21,600	U	60 65 70 75 80	55.7 52.1 48.4 44.5 40.2	89.3 85.6 81.5 76.7 71.2	29.100 26.100 23.600 21.500 19.600
7	15 16 17 18 19 	80.6 79.8 79.0 78.1 77.3 76.5 74.8	75.7 75.6 75.4 75.2 74.9 74.7 74.2	200,000 200,000 179,900 163,100 149,100 137,200 118,200	U	38 40 45 50 55 60	58.9 54.6 50.0 45.2	78.9 77.9 75.1 71.8 68.0 63.4 58.0	54,400 50,800 43,500 37,800 33,300 29,700 26,700		80 85 90	31.9 25.3 16.3	54.3 45.1 31.9	19,800 18,200 16,700		85 90 95 100	35.5 30.3 24.0 15.5	64.8 57.0 47.3 33.3	18,000 16,600 15,300 14,200

Capacities continued on reverse side.

Form No. 6292-A, 3-30-81/GA



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SEE CONDITIONS ON REVERSE SIDE

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Ang.: Deg.	Boom Point: Elev.	Capacity:	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Ang.: Deg.	Boom Point: Elev.	Capacity:	Boom Leth.: Feet	Oper. Rad.: Feet	Boom Ang.: Deg.	Boom Point: Elev.	Capacity:	Boom Leth.: Feet	Oper. Rad.: Feet	Boom Ang : Deg.	Boom Point: Elev.	Capacity:
	22 24 26 28 30	80.4 79.3 78.3 77.2 76.1	115.1 114.8 114.4 113.9 113.4	117,200 102,700 91,200 82,000 74,300		28 30 32 34 36	80.6 79.9 79.1 78.3 77.5	154.7 154.3 153.9 153.5 153.1	80,800 73,100 66,600 61,100 56,400		32 34 36 38 40	80.9 80.3 79.6 79.0 78.3	184.4 184.1 183.7 183.3 182.9	65,700 60,200 55,500 51,300 47,700		36 38 40 45 50	81.1 80.6 80.0 78.6 77.2	214.1 213.8 213.5 212.5 211.5	54.600 50.400 46.800 39.400 33,700
1	32 34 36 38 40	75.1 74.0 72.9 71.8 70.7	112.9 112.4 111.8 111.1 110.5	67,900 62,400 57,700 53,500 49,900	1	38 40 45 50 55	76.8 76.0 74.0 72.0 70.0	152.7 152.2 150.8 149.3 147.6	52,300 48,600 41,300 35,600 31,100		45 50 55 60 65	76.7 75.1 73.4 71.7 70.1	181.8 180.6 179.2 177.6 175.9	40,300 34,600 30,100 26,500 23,500	2	55 60 65 70 75	75.8 74.4 73.0 71.6 70.1	210.3 208.9 207.5 205.9 204.2	29,200 25,500 22,500 19,900 17,800
] n	45 50 55 60 65	67.9 65.1 62.2 59.2 56.1	108.6 106.4 103.9 101.1 97.9	42,600 36,900 32,400 28,800 25,800	1 5	60 65 70 75 80	67.9 65.8 63.7 61.6 59.4	145.7 143.5 141.2 138.6 135.8	27,500 24,400 21,900 19,800 17,900	1 8	70 75 80 85 90	68.4 66.6 64.9 63.1 61.3	174.0 171.9 169.6 167.2 164.6	20,900 18,800 16,900 15,300 13,800	1	80 85 90 95 100	68.7 67.2 65.7 64.2 62.7	202.3 200.2 198.1 195.7 193.2	15,900 14,300 12,800 11,600 10,400
U	70 75 80 85 90	52.9 49.5 46.0 42.3 38.3	94.4 90.4 85.8 80.7 74.8	23,300 21,100 19,300 17,600 16,200	Ŏ	85 90 95 100 105	57.1 54.8 52.5 50.0 47.5	132.7 129.3 125.6 121.6 117.2	16,300 14,800 13,600 12,400 11,400	Ö	95 100 105 110 115	59.5 57.6 55.7 53.8 51.8	161.7 158.7 155.4 151.9 148.1	12,600 11,400 10,400 9,500 8,700	0	105 110 115 120 125	61.1 59.6 58.0 56.3 54.7	190.6 187.7 184.7 181.5 178.0	9,400 8,500 7,700 6,900 6,200
	95 100 105	33.8 28.8 22.8 81.2	67.9 59.7 49.4	15,000 13,800 12,800		110 115 120 125 130	44.8 42.1 39.1 36.0	112.4 107.1 101.3 94.8 87.5	10,500 9,700 8,900 8,200		120 125 130 135	49.7 47.6 45.4 43.1	144.0 139.6 134.8 129.7	7,900 7,200 6,600 6,000		130 135 140 145	53.0 51.3 49.5 47.7	174.4 170.5 166.3 161.9	5,600 5,000 4,400 3,900 3,500
	22 24 26 28 30	80.2 79.3 78.3 77.3	124.9 124.6 124.2 123.7	102,400 90,900 81,600 73,900		135 140 145	32.6 28.9 24.6 19.5	79.0 69.1 56.8	7,600 7,000 6,500 6,000		145 150 155	38.2 35.6 32.8 29.7	124.1 118.1 111.4 104.1	4,900 4,500 4,000		150 155	45.8 43.9	161.9 157.2 152.2	3,500 3,000
1	32 34 36 38 40	76.3 75.3 74.3 73.4 72.4	123.3 122.7 122.2 121.6 121.0	67,500 62,000 57,300 53,200 49,500		30 32 34 36 38	80.5 79.8 79.1 78.3 77.6	164.5 164.1 163.7 163.3 162.9	72,800 66,400 60,900 56,200 52,000		160 165 34 36 38	29.7 26.3 80.8 80.2 79.6 79.0	95.8 86.4 194.2 193.9 193.5	3,600 3,200 60,000 55,200 51,100					
2	45 50 55 60 65	69.8 67.3 64.7 62.0 59.2	119.3 117.3 115.1 112.6 109.8	42.200 36.500 32.000 28,400 25,400		40 45 50 55 60	76.9 75.0 73.2 71.3 69.4	162.5 161.2 159.8 158.2 156.4	48,400 41,000 35,300 30,900 27,200		40 45 50 55 60	79.0 77.4 75.9 74.3 72.7	193.1 192.1 190.9 189.6 188.1	47,500 40,100 34,400 29,900 26,200					
0	70 75 80 85 90	56.4 53.5 50.5 47.3 44.0	106.6 103.1 99.2 94.8 90.0	22,900 20,700 18,900 17,200 15,800	1	65 70 75 80	67.4 65.5 63.5 61.5	154.4 152.2 149.9 147.3	24,200 21,700 19,500 17,600	1	75 80 85	71.2 69.6 67.9 66.3 64.6	186.5 184.7 182.7 180.6 178.3	26,200 23,200 20,700 18,500 16,600 15,000					
	95 100 105 110	40.4 36.6 32.4 27.6 21.9	78.2 70.9 62.2 51.3	14,500 13,400 12,400 11,500 10,700	0	90 95 100 105	59.4 57.3 55.2 53.0 50.7	144.4 141.3 138.0 134.4 130.4	16,000 14,600 13,300 12,200 11,200	9	90 95 100 105 110	63.0 61.3 59.5 57.8 56.0	175.9 173.2 170.4 167.4 164.1	13,600 12,300 11,200 10,200 9,200					
	24 26 28	81.0 80.1 79.2	135.0 134.7 134.4	102,200 90,700 81,400	Ū	110 115 120 125	48.3 45.9 43.3 40.7	126.2 121.5 116.5 110.9	9,400 8,700 8,000	U	115 120 125 130 135	54.1 52.2 50.3	160.6 156.8 152.8 148.5	8,400 7,600 6,900	>				
	30 32 34 36	78.3 77.4 76.5 75.6 74.7	134.0 133.5 133.1 132.6 132.0	73,700 67,300 61,800 57,100		130 135 140 145	37.8 34.8 31.5 27.9	98.0 90.3 81.6	7,300 6,700 6,200 5,700		140 145	48.3 46.3 44.1 41.9	143.9 139.0 133.6	6,300 5,700 5,200 4,700					
1	38 40 45 50	74.7 73.8 71.4 69.1	131.5 129.9	53,000 49,300 42,000 36,300		150 155 30 32	23.8 18.9	71.3 58.5 174.6 174.3	5,200 4,800		150 155 160 165	39.6 37.2 34.6 31.9	127.8 121.5 114.6 106.9	4,200 3,800 3,400 3,000					
3	55 60 65 70	66.7 64.3 61.8 59.3	128.1 126.1 123.8 121.3 118.4	31,800 28,200 25,200 22,700		34 36 38 40	80.4 79.7 79.0 78.3 77.6	173.9 173.5 173.1	66,100 60,600 55,800 51,700 48,100		36 38 40 45 50	80.7 80.1 79.5 78.1 76.6	204.0 203.7 203.3 202.3 201.2	54,900 50,800 47,100 39,700 34,000					
0	75 80 85 90 95	56.7 54.0 51.2 48.4 45.3	115.3 111.9 108.0 103.8 99.1	20,500 18,600 17,000 15,600 14,300	4	45 50 55 60	75.9 74.2 72.4 70.6	171.5 170.2 168.7 167.0	40,700 35,000 30,500 26,900		55 60 65 70	75.1 73.6 72.1 70.6	199.9 198.5 197.0 195.3	29,500 25,900 22,900 20,300					
	100 105 110 115 120	42.2 38.8 35.1 31.0 26.5 21.0	93.9 88.0 81.4 73.7 64.6	13,200 12,200 11,300 10,400 9,700	7	70 75 80 85	67.0 65.2 63.3 61.4	163.2 160.9 158.5 155.9	21,300 19,200 17,300 15,700	Z N	80 85 90 95 100	67.6 66.0 64.4 62.8 61.2	193.5 191.5 189.4 187.0 184.6	16,300 14,700 13,200 12,000					
_	26 28 30 32	80.8 80.0 79.1 78.3	53.2 144.9 144.5 144.1 143.8	9,000 90,400 81,100 73,400 67,000	Ó	90 95 100 105 110	59.5 57.5 55.5 53.4 51.3	150.0 146.7 143.1 139.3	13,000 11,800 10,800 9,900	ŏ	105 110 115 120 125	59.5 57.9 56.2 54.4	181.9 179.1 176.0 172.8 169.3	9,800 8,900 8,000 7,300					
	32 34 36 38 40	77.5 76.6 75.8	143.3 142.9 142.4	56,800 52,600 49,000 41,600		115 120 125 130 135	49.1 46.8 44.4 42.0 39.4	135.1 130.6 125.7 120.4 114.5	9,100 8,300 7,600 7,000 6,400		125 130 135 140 145 150	52.6 50.8 48.9 47.0	165.6 161.7 157.5 152.9	6,600 5,400 4,800 4,300 3,800					
1	40 45 50 55 60	74.9 72.8 70.7 68.5 66.3	141.8 140.4 138.8 136.9 134.8	36,000		140 145 150 155 160	36.7	108.2 101.1 93.1 84.0 73.3	5,800 5,300 4,900		145 150 155 160	45.0 43.0 40.8 38.6	148.1 142.9 137.4 131.3	3,800 3,400 3,000					
4	65 70 75 80	64.0 61.7 59.3	134.8 132.5 129.9 127.1	31,500 27,800 24,800 22,300 20,200		160 165	30.6 27.1 23.1 18.3	73.3 60.1	4,400 4,000 3,600										
0	90 95 100	56.9 54.5 51.9 49.3 46.5	124.0 120.6 116.8 112.7 108.2	18,300 16,700 15,200 14,000 12,800															
	105 110 115	43.6 40.6 37.3	103.2 97.7 91.5	11,800 10,900 10,100												Соп	bined	From	Charts:

Combined From Charts: No. 6292-A 3-30-81 No. 4779 2-18-80 No. 4899 2-18-80

Form No. 6292-A, 3-30-81/GA

SEE CONDITIONS ON REVERSE SIDE



