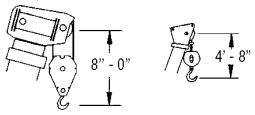
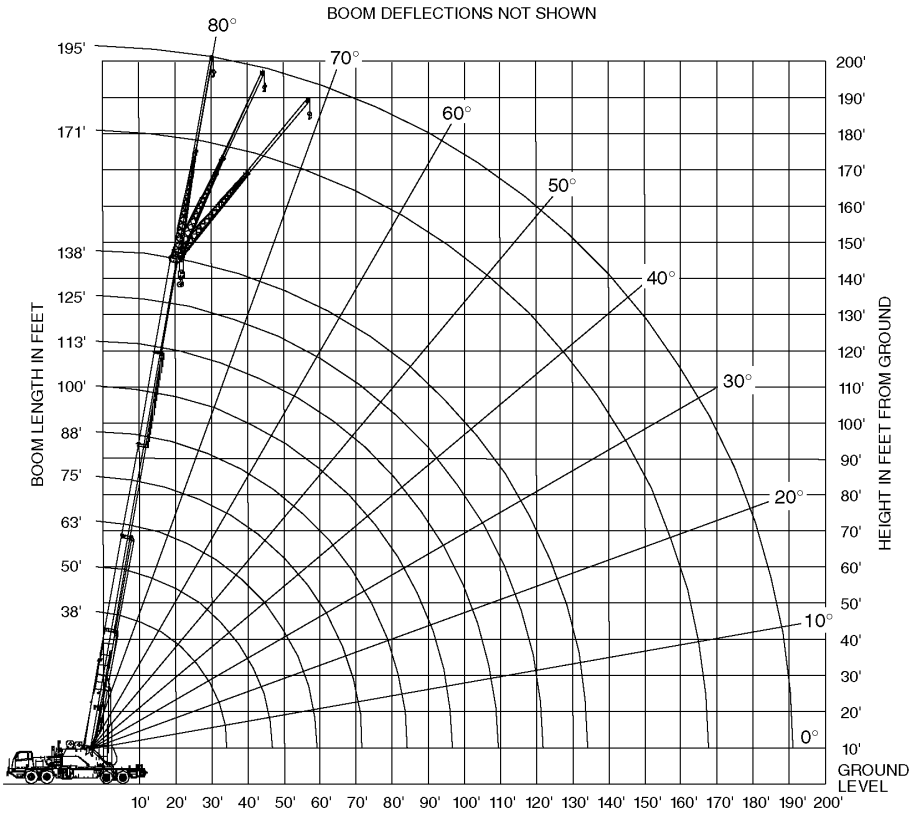
Range Diagram and Lifting Capacity | T790

90 TON LIFTING CAPACITY

RANGE DIAGRAM 38' - 138' BOOM

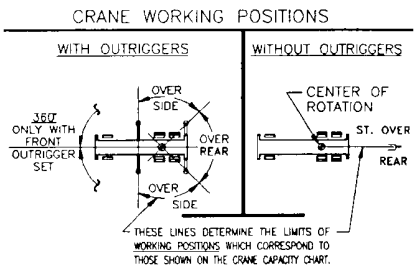


Dimensions are for largest factory furnished hook block and hook & ball, with anti-two block activated



COUNTERWEIGHT F. BUMPER	2,500 LB
BOOM LENGTH	38'-138'
UPPERSTRUCTURE	W/ AUX. WINCH 15,450 LB W/O AUX. WINCH 17,000 LB
STABILITY PERCENTAGE	ON OUTRIGGERS 85% ON TIRES 75%
PCSA CLASS	10-355

CRANE WORKING CONDITIONS



REDUCTION IN MAIN BOOM CAPACITY

All jib in stowed position	0 lb
Aux. boom in head sheave	100 lb

HOOK BLOCK WEIGHTS

12T Hook and ball	419 lb
75T Hook Block (6 Sheave)	1608 lb
100T Hook Block (7 Sheave)	2120 lb

TERREX

TRUCK CRANE

T790

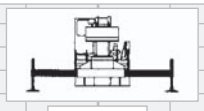
LIFTING CAPACITIES

CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change

ON OUTRIGGERS - FULLY EXTENDED (BOOM MODE A) WITH 17,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	BOOM LENGTH 38' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 48' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 63' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 78' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 93' BOOM ANGLE (DEG)	OVER REAR (DEG)	360° (LB)	LOAD RADIUS (FT)
10	71.5	180,000*	180,000*	75.5	114,400*	114,400*										10
12	68.2	145,600*	145,600*	73.0	114,400*	114,000*										12
15	63.1	113,700*	113,700*	69.1	112,800*	112,800*	74.3	100,700*	100,700*							15
20	54.0	817,00*	81,700*	62.5	80,800*	80,800*	69.5	78,900*	78,900*	73.6	67,400*	67,400*				20
25	43.6	62,200*	62,100*	55.3	61,400*	61,400*	64.5	60,700*	60,600*	69.7	54,400*	54,400*	73.1	47,200*	47,200*	25
30	30.1	49,000*	48,900*	47.5	48,400*	48,400*	59.2	47,700*	47,600*	65.7	45,900*	45,900*	69.8	39,800*	39,800*	30
35				38.3	39,100*	39,000*	53.7	38,500*	38,300*	61.5	39,600*	39,600*	66.5	34,500*	34,500*	35
40				26.5	31,000	31,000*	47.6	30,500	30,500*	57.2	32,700	32,700*	63	30,300*	30,300*	40
45							40.9	23,900	23,900	52.6	26,200	26,200	59.5	27,100*	27,100*	45
50							33.1	19,000	19,000	47.7	21,300	21,300	55.8	22,700	22,700	50
55							22.8	15,000	15,000	42.4	17,500	17,500	51.9	18,900	18,900	55
60										36.5	14,300	14,300	47.8	15,800	15,800	60
65										29.5	11,800	11,800	43.4	13,300	13,300	65
70										20.3	9,600	9,600	38.6	11,100	11,100	70
75													33.2	9,300	9,300	75
80													26.9	7,700	7,600	80
85													18.5	6,300	6,100	85

USE THESE CHARTS ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED



MODE A

**MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE (BOOM MODE A)

BOOM LENGTH 38' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 48' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 63' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 78' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 108' LOAD RADIUS (FT)	OVER FRONT (LB)	360° (LB)
34.2	40,100*	39,900*	44.2	24,700	24,700	59.2	12,000	12,000	74.2	7,800	7,600	89.2	5,100	4,900

ON OUTRIGGERS - FULLY EXTENDED (BOOM MODE A) WITH 17,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	BOOM LENGTH 108' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 123' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 138' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	LOAD RADIUS (FT)
30	72.7	36,300	36,300	74.9	31,800	31,800				30
35	69.9	31,400	31,400	72.5	28,100	28,100	74.4	24,600	24,600	35
40	67.0	27,600	27,600	70.0	24,600	24,600	72.3	22,300	22,300	40
45	64.1	24,700	24,700	67.5	21,800	21,800	70.1	20,400	20,400	45
50	61.1	22,300	22,300	64.9	19,400	19,400	67.8	18,800	18,800	50
55	58.0	19,900	19,900	62.3	17,600	17,600	65.5	17,200	17,200	55
60	54.8	16,800	16,800	59.6	15,900	15,900	63.2	15,700	15,700	60
65	51.4	14,300	14,300	56.8	14,500	14,500	60.9	14,300	14,300	65
70	47.9	12,100	12,100	54.0	12900	12,900	58.4	12,900	12,900	70
75	44.1	10,400	10,300	51.0	11,100	11,000	55.9	11,600	11,600	75
80	40.1	8,800	8,700	47.9	9,500	9,400	53.4	10,100	10,000	80
85	35.7	7,400	7,300	44.6	8,200	8,000	50.7	8,700	8,600	85
90	30.7	6,200	6,000	41.2	7,000	6,800	47.9	7,600	7,400	90
95	24.8	5,200	5,900	37.4	6,000	5,700	45.0	6,500	6,300	95
100	17.1	4,200	3,900	33.3	5,000	4,800	42.0	5,600	5,300	100
105				28.7	4,200	3,900	38.7	4,800	4,500	105
110				23.2	3,400	3,100	35.2	4,000	3,700	110
115				15.9	2,700	2,400	31.4	3,300	3,000	115
120							27.0	2,700	2,400	120
125							21.8	2,100	1,800	125
130							15.0	1,600	1,200	130

MODE A

MODE A (BOOM EXTENSION INFORMATION)

BOOM SECTION	BOOM LENGTHS 38'	48'	63'	78'
II	0%	40%	100%	100%
III	0%	0%	0%	20%
IV	0%	0%	0%	20%
V	0%	0%	0%	20%

BOOM SECTION	BOOM LENGTH 93'	108'	123'	138'
II	100%	100%	100%	100%
III	40%	60%	80%	100%
IV	40%	60%	60%	100%
V	40%	60%	60%	100%

**MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE (BOOM MODE A)

BOOM LENGTH 108' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 123' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 138' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)
104.2	3,300	3,000	119.2	2,000	1,700	134.2	1,000	700

TEREX

TRUCK CRANE

T790

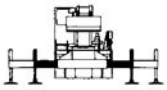
LIFTING CAPACITIES

CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change

ON OUTRIGGERS - MID POSITION (BOOM MODE A) WITH 17,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	38' BOOM		48' BOOM		63' BOOM		78' BOOM		93' BOOM		108' BOOM		123' BOOM		138' BOOM		LOAD RADIUS (FT)
	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	
10	71.5	145,700*	75.5	114,400*													10
12	68.2	118,800*	73.0	114,400*													12
15	63.1	92,000*	69.1	90,900*	74.3	90,000*											15
20	54.0	61,200	62.5	59,600	69.5	58,000	73.6	60,800*									20
25	43.6	38,700	55.3	37,600	64.5	36,300	69.7	38,800	73.1	40,400							25
30	30.1	26,300	47.5	25,600	59.2	24,600	65.7	26,900	69.8	28,400	72.7	29,500	74.9	30,300			30
35			38.3	18,000	53.7	17,200	61.5	19,400	66.5	20,900	69.9	21,900	72.5	22,700	74.4	23,300	35
40			26.5	12,600	47.6	12,100	57.2	14,300	63.0	15,700	67.0	16,700	70.0	17,500	72.3	18,100	40
45					40.9	8,300	52.6	10,600	59.5	11,900	64.1	12,900	67.5	13,700	70.1	14,200	45
50					33.1	5,400	47.7	7,700	55.8	9,100	61.1	10,000	64.9	10,800	67.8	11,300	50
55					22.8	3,100	42.4	5,400	51.9	6,800	58.0	7,800	62.3	8,500	65.5	9,000	55
60							36.5	3,500	47.8	5,000	54.8	5,900	59.6	6,600	63.2	7,200	60
65									43.4	3,400	51.4	4,400	56.8	5,100	60.9	5,700	65
70											47.9	3,100	54.0	3,900	58.4	4,400	70
75															55.9	3,300	75

USE THESE CHARTS ONLY WHEN ALL OUTRIGGERS ARE PINNED IN MID POSITION



MODE A

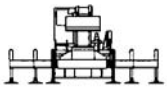
MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE (BOOM MODE A)

BOOM LENGTH 38'		BOOM LENGTH 48'		BOOM LENGTH 63'		BOOM LENGTH 78'		BOOM LENGTH 93'		BOOM LENGTH 108'		BOOM LENGTH 123'		BOOM LENGTH 138'	
LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)
34.2	18,800	44.2	8,800												

ON OUTRIGGERS - FULLY RETRACTED (BOOM MODE A) WITH 17,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	38' BOOM		48' BOOM		63' BOOM		78' BOOM		93' BOOM		68' BOOM		LOAD RADIUS (FT)
	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	
10	71.5	65,600	75.5	65,600									10
12	68.2	46,900	73.0	45,200									12
15	63.1	31,400	69.1	30,000	74.3	28,600							15
20	54.0	18,100	62.5	17,100	69.5	16,000	73.6	18,000					20
25	43.6	11,000	55.3	10,100	64.5	9,300	69.7	11,300	73.1	12,600			25
30	30.1	6,400	47.5	5,800	59.2	5,000	65.7	7,000	69.8	8,300	72.7	9,200	30
35			38.3	2,800			61.5	4,100	66.5	5,400	69.9	6,300	35
40									63	3,300	67.0	4,200	40
45											64.1	2,600	45

USE THESE CHARTS ONLY WHEN ALL OUTRIGGER BEAMS ARE NOT IN EITHER THE MID OR FULLY EXTENDED POSITION



MODE A

MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE (BOOM MODE A)

BOOM LENGTH 38'		BOOM LENGTH 48'		BOOM LENGTH 63'		BOOM LENGTH 78'		BOOM LENGTH 93'		BOOM LENGTH 108'	
LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)
34.2	3,200										

TEREX

TRUCK CRANE

T790

LIFTING CAPACITIES

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ON OUTRIGGERS - FULLY EXTENDED (BOOM MODE A) WITH 8,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	BOOM LENGTH 38' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 48' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 63' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 78' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 93' BOOM ANGLE (DEG)	OVER REAR (DEG)	360° (LB)	LOAD RADIUS (FT)
10	71.5	166,300*	166,300*	75.5	114,400*	114,400*										10
12	68.2	136,500*	136,500*	73.0	114,400*	114,000*										12
15	63.1	106,500*	106,500*	69.1	105,500*	105,500*	74.3	100,700*	100,700*							15
20	54.0	76,200*	76,200*	62.5	75,300*	75,300*	69.5	74,400*	74,400*	73.6	67,400*	67,400*				20
25	43.6	57,800*	57,800*	55.3	57,000*	57,000*	64.5	56,300*	56,300*	69.7	54,400*	54,100*	73.1	47,200*	47,200*	25
30	30.1	44,700*	44,700*	47.5	43,900	43,900*	59.2	42,700	42,700*	65.7	45,200	45,200*	69.8	39,800*	39,100*	30
35				38.3	32,000	32,000	53.7	31,100	31,100	61.5	33,400	33,400	66.5	34,500*	33,800*	35
40				26.5	23,900	23,900	47.6	23,300	23,300	57.2	25,600	25,600	63	27,100	27,100	40
45							40.9	17,800	17,800	52.6	20,000	20,000	59.5	21,500	21,500	45
50							33.1	13,500	13,500	47.7	15,800	15,800	55.8	17,200	17,200	50
55							22.8	10,100	9,900	42.4	12,500	12,400	51.9	13,900	13,900	55
60										36.5	9,800	9,700	47.8	11,300	11,200	60
65										29.5	7,600	7,500	43.4	9,100	9,000	65
70										20.3	5,700	5,500	38.6	7,300	7,100	70
75													33.2	5,700	5,600	75
80													26.9	4,300	4,200	80
85													18.5	3,100	3,000	85

MODE A

**MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE (BOOM MODE A)

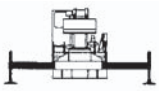
BOOM LENGTH 38' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 48' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 63' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 78' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 93' LOAD RADIUS (FT)	OVER FRONT (LB)	360° (LB)
34.2	33,200	33,200	44.2	18,300	18,300	59.2	7,400	7,200	74.2	4,100	3,900	89.2	2,000	2,000

ON OUTRIGGERS - FULLY EXTENDED (BOOM MODE A) WITH 8,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	BOOM LENGTH 108' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 123' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 138' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	LOAD RADIUS (FT)
30	72.7	36,300*	36,300*	74.9	31,800*	31,800*				30
35	69.9	31,400*	31,400*	72.5	28,100*	28,100*	74.4	24,600*	24,600*	35
40	67.0	27,600*	27,600*	70.0	24,600*	24,600*	72.3	22,300*	22,300*	40
45	64.1	22,500	22,500	67.5	21,800*	21,800*	70.1	20,400*	20,400*	45
50	61.1	18,200	18,200	64.9	19,000	19,000	67.8	18,800*	18,800*	50
55	58.0	14,900	14,900	62.3	15,600	15,600	65.5	16,200	16,200	55
60	54.8	12,300	12,200	59.6	13,000	13,000	63.2	13,500	13,500	60
65	51.4	10,100	10,000	56.8	10,800	10,800	60.9	11,400	11,300	65
70	47.9	8,300	8,200	54.0	9,000	8,900	58.4	9,500	9,500	70
75	44.1	6,700	6,600	51.0	7,400	7,400	55.9	8,000	7,900	75
80	40.1	5,400	5,300	47.9	6,100	6,100	53.4	6,700	6,600	80
85	35.7	4,200	4,200	44.6	5,000	4,900	50.7	5,500	5,500	85
90	30.7	3,200	3,200	41.2	3,900	3,900	47.9	4,500	4,500	90
95	24.8	2,200	2,200	37.4	3,000	3,000	45.0	3,600	3,600	95
100	17.1	1,400	1,400	33.3	2,200	2,200	42.0	2,800	2,800	100
105				28.7	1,500	1,500	38.7	2,100	2,100	105
110				23.2	800	800	35.2	1,400	1,400	110
115							31.4	800	800	115

MODE A

USE THESE CHARTS ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED



MODE A

TEREX

TRUCK CRANE

T790

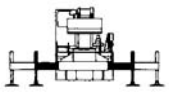
LIFTING CAPACITIES

CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change

ON OUTRIGGERS - MID POSITION (BOOM MODE A) WITH 8,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	38' BOOM		48' BOOM		63' BOOM		78' BOOM		93' BOOM		108' BOOM		123' BOOM		138' BOOM		LOAD RADIUS (FT)
	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	
10	71.5	137,300*	75.5	114,400*													10
12	68.2	111,800*	73.0	110,800*													12
15	63.1	84,200	69.1	81,900	74.3	79,700											15
20	54.0	43,500	62.5	41,900	69.5	40,300	73.6	43,100									20
25	43.6	26,900	55.3	25,700	64.5	24,400	69.7	26,900	73.1	28,500							25
30	30.1	17,700	47.5	16,900	59.2	15,800	65.7	18,100	69.8	19,600	72.7	20,700	74.9	21,500			30
35			38.3	11,200	53.7	10,400	61.5	12,600	66.5	14,100	69.9	15,100	72.5	15,900	74.4	16,500	35
40			26.5	7,300	47.6	6,700	57.2	8,900	63.0	10,300	67.0	11,300	70.0	12,000	72.3	12,600	40
45					40.9	3,900	52.6	6,100	59.5	7,500	64.1	8,500	67.5	92,00	70.1	9,800	45
50							47.7	4,000	55.8	5,400	61.1	6,300	64.9	7,000	67.8	7,600	50
55									51.9	3,700	58.0	4,600	62.3	5,300	65.5	5,900	55
60											54.8	3,300	59.6	4,000	63.2	4,500	60
65													56.8	2,900	60.9	3,400	65

USE THESE CHARTS ONLY WHEN ALL OUTRIGGERS ARE PINNED IN MID POSITION



MODE A

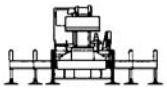
MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE (BOOM MODE A)

BOOM LENGTH 38'		BOOM LENGTH 53'		BOOM LENGTH 63'		BOOM LENGTH 78'		BOOM LENGTH 93'		BOOM LENGTH 108'		BOOM LENGTH 123'		BOOM LENGTH 138'	
LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)
34.2	11,900	44.2	4,300												

ON OUTRIGGERS - RETRACTED (BOOM MODE A) WITH 8,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	38' BOOM		48' BOOM		63' BOOM		78' BOOM		LOAD RADIUS (FT)
	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	
10	71.5	47,800	75.5	45,900					10
12	68.2	33,400	73.0	31,800					12
15	63.1	21,500	69.1	20,000	74.3	18,700			15
20	54.0	11,100	62.5	10,100	69.5	9,000	73.6	11,100	20
25	43.6	5,500	55.3	4,700	64.5	3,800	69.7	5,800	25

USE THESE CHARTS ONLY WHEN ALL OUTRIGGER BEAMS ARE NOT IN EITHER THE MID OR FULLY EXTENDED POSITION



MODE A

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TRUCK CRANE

T790

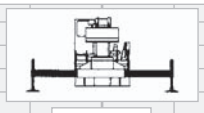
LIFTING CAPACITIES

CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change

ON OUTRIGGERS - FULLY EXTENDED (BOOM MODE B) WITH 17,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	BOOM LENGTH 38' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 53' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 68' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 83' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 98' BOOM ANGLE (DEG)	OVER REAR (DEG)	360° (LB)	LOAD RADIUS (FT)
10	71.5	180,000*	180,000*	76.9	80,100*	80,100*										10
12	68.2	145,600*	145,600*	74.6	80,100*	80,100*										12
15	63.1	113,800*	113,800*	71.2	77,200*	77,200*	75.5	60,800*	60,800*							15
20	54.0	81,700*	81,700*	65.3	69,900*	69,900*	71.1	53,900*	53,900*	74.6	40,200*	40,200*				20
25	43.6	62,200*	62,200*	59.1	64,200*	64,200*	66.5	48,400*	48,400*	71.0	34,800*	34,800*	74.0	30,300*	30,300*	25
30	30.1	49,000*	48,900*	52.4	51,900*	51,800*	61.7	44,000*	44,000*	67.2	30,700*	30,700*	70.9	26,600*	26,600*	30
35				45.0	42,600*	42,300*	56.8	40,400*	40,400*	63.4	27,400*	27,400*	67.7	23,800*	23,800*	35
40				36.3	35,400	35,200*	51.5	37,100	36,800*	59.4	24,700*	24,700*	64.5	21,400*	21,400*	40
45				25.0	28,500	28,500*	45.7	30,400	30,400*	55.3	22,500*	22,500*	61.2	19,500*	19,500*	45
50							39.3	25,300	25,300	50.9	20,700*	20,700*	57.8	17,800*	17,800*	50
55							31.7	21,200	21,200	46.2	19,100*	19,100*	54.2	16,400*	16,400*	55
60							21.9	18,000	18,000	41.0	17,700*	17,700*	50.5	15,100*	15,100*	60
65										35.3	16,400	16,400*	46.5	14,100*	14,100*	65
70										28.5	14,300	14,300	42.2	13,200*	13,200*	70
75										19.6	12,300	12,300	37.6	12,400*	12,400*	75
80													32.3	11,500	11,500	80
85													26.1	10,100	10,100	85
90													18.0	8,800	8,800	90

USE THESE CHARTS ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED



MODE B

**MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE (BOOM MODE B)

BOOM LENGTH 38' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 53' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 68' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 83' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 98' LOAD RADIUS (FT)	OVER FRONT (LB)	360° (LB)
34.2	40,100*	39,900*	49.2	23,600	23,600	64.2	15,400	15,400	79.2	10,800	10,800	94.2	7,800	7,700

ON OUTRIGGERS - FULLY EXTENDED (BOOM MODE B) WITH 17,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	BOOM LENGTH 113' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 128' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 138' BOOM ANGLE (DEG)	OVER REAR (LB)	360° (LB)	LOAD RADIUS (FT)
30	73.5	23,500*	23,500*	75.5	25,500*	25,500*				30
35	70.8	21,000*	21,000*	73.2	22,800*	22,800*	74.4	24,600*	24,600*	35
40	68.1	18,900*	18,900*	70.8	20,700*	20,700*	72.3	22,300*	22,300*	40
45	65.3	17,000*	17,000*	68.4	18,900*	18,900*	70.1	20,400*	20,400*	45
50	62.5	15,300*	15,300*	66.0	17,100*	17,100*	67.8	18,800*	18,800*	50
55	59.6	13,900*	13,900*	63.5	15,600*	15,600*	65.5	17,200*	17,200*	55
60	56.6	12,800*	12,800*	60.9	14,300*	14,200*	63.2	15,700*	15,700*	60
65	53.4	11,700*	11,700*	58.3	13,200*	13,200*	60.9	14,300*	14,300*	65
70	50.2	10,700*	10,700*	55.6	12,200*	12,200*	58.4	12,800	12,800*	70
75	46.7	9,800*	9,800*	52.8	11,200*	11,200*	55.9	11,600	11,600*	75
80	43.1	9,100*	9,100*	49.9	10,400*	10,400*	53.4	10,100	10,000	80
85	39.1	8,400*	8,400*	46.9	9,500	9,500	50.7	8,700	8,600	85
90	34.8	7,800*	7,800*	43.7	8,300	8,300	47.9	7,600	7,400	90
95	30.0	7,300*	7,300*	40.3	7,300	7,200	45.0	6,500	6,300	95
100	24.2	6,800*	6,800*	36.6	6,300	6,200	42.0	5,600	5,300	100
105	16.7	6,400*	6,400*	32.6	5,500	5,400	38.7	4,800	4,500	105
110				28.1	4,700	4,600	35.2	4,000	3,700	110
115				22.7	4,000	3,900	31.4	3,300	3,000	115
120				15.6	3,300	3,200	27.0	2,700	2,400	120
125							21.8	2,100	1,800	125
130							15.0	1,600	1,200	130

MODE B

MODE B (BOOM EXTENSION INFORMATION)

BOOM SECTION	BOOM LENGTHS 38'	53'	68'	83'
II	0%	0%	0%	0%
III	0%	20%	40%	60%
IV	0%	20%	40%	60%
V	0%	20%	40%	60%

BOOM SECTION	BOOM LENGTH 98'	113'	128'	138'
II	0%	0%	60%	100%
III	80%	100%	100%	100%
IV	80%	100%	100%	100%
V	80%	100%	100%	100%

**MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE (BOOM MODE B)

BOOM LENGTH 113' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 128' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)	BOOM LENGTH 138' LOAD RADIUS (FT)	OVER REAR (LB)	360° (LB)
109.2	5,700	5,600	124.2	2,700	2,600	134.2	1,000	700

TEREX

TRUCK CRANE

T790

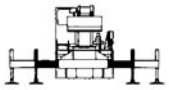
LIFTING CAPACITIES

CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change

ON OUTRIGGERS - MID POSITION (BOOM MODE B) WITH 17,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	38' BOOM		53' BOOM		68' BOOM		83' BOOM		98' BOOM		113' BOOM		128' BOOM		138' BOOM		LOAD RADIUS (FT)
	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	
10	71.5	145,700*	76.9	80,100*													10
12	68.2	118,800*	74.6	80,100*													12
15	63.1	92,000*	71.2	77,200*	75.5	60,800*											15
20	54.0	61,200	65.3	66,600	71.1	53,800*	74.6	40,200*									20
25	43.6	38,700	59.1	43,500	66.5	45,100	71.0	34,800*	74.0	30,300*							25
30	30.1	26,300	52.4	31,000	61.7	32,500	67.2	30,700*	70.9	26,600*	73.5	23,500*	75.5	25,500*			30
35			45.0	23,100	56.8	34,700	63.4	25,500	67.7	23,800*	70.8	21,000*	73.2	22,800*	74.4	23,300	35
40			36.3	17,600	51.5	19,200	59.4	20,100	64.5	20,700	68.1	18,900*	70.8	19,800	72.3	18,100	40
45			25.0	13,500	45.7	15,200	55.3	16,200	61.2	16,700	65.3	17,000*	68.4	15,800	70.1	14,200	45
50					39.3	12,200	50.9	13,200	57.8	13,700	62.5	14,100	66.0	12,900	67.8	11,300	50
55					31.7	9,700	46.2	10,700	54.2	11,400	59.6	11,800	63.5	10,500	65.5	9,000	55
60					21.9	7,700	41.0	8,800	50.5	9,400	56.6	9,800	60.9	8,600	63.2	7,200	60
65							35.3	7,100	46.5	7,800	53.4	8,300	58.3	7,000	60.9	5,700	65
70							28.5	5,700	42.2	6,400	50.2	6,900	55.6	5,700	58.4	4,400	70
75							19.6	4,500	37.6	5,300	46.7	5,800	52.8	4,600	55.9	3,300	75
80									32.3	4,300	43.1	4,800	49.9	3,600			80
85									26.1	3,400	39.1	3,900	46.9	2,800			85
90											34.8	3,100					90

USE THESE CHARTS ONLY WHEN ALL OUTRIGGERS ARE PINNED IN MID POSITION



MODE B

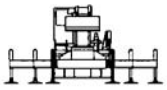
ON OUTRIGGERS-MID POSITION (BOOM MODE B) AND WITH 17,000 LB MAIN COUNTERWEIGHT

BOOM LENGTH 38'		BOOM LENGTH 53'		BOOM LENGTH 68'		BOOM LENGTH 83'		BOOM LENGTH 98'		BOOM LENGTH 113'		BOOM LENGTH 128'		BOOM LENGTH 138'	
LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)
34.2	18,800	49.2	10,400	64.2	6,000	79.2	3,500								

ON OUTRIGGERS - FULLY RETRACTED (BOOM MODE B) WITH 17,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	38' BOOM		53' BOOM		68' BOOM		83' BOOM		98' BOOM		113' BOOM		LOAD RADIUS (FT)
	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	
10	71.5	65,600	76.9	60100									10
12	68.2	46,900	74.6	51500									12
15	63.1	31,400	71.2	35100	75.5	36500							15
20	54.0	18,100	65.3	21200	71.1	22500	74.6	23300					20
25	43.6	11,000	59.1	13700	66.5	15100	71.0	15900	74	16400			25
30	30.1	6,400	47.5	5,800	59.2	10500	67.2	11300	70.9	11800	73.5	12200	30
35			38.3	2,800			63.4	8200	67.7	8700	70.8	9100	35
40							59.4	5900	64.5	6400	68.1	6800	40
45							55.3	4100	61.2	4700	65.3	5100	45
50									57.8	3300	62.5	3700	50

USE THESE CHARTS ONLY WHEN ALL OUTRIGGERS ARE NOT IN EITHER THE MID OR FULLY EXTENDED POSITION



MODE B

ON OUTRIGGERS-FULLY RETRACTED(BOOM MODE B) AND WITH 17,000 LB MAIN COUNTERWEIGHT

BOOM LENGTH 38'		BOOM LENGTH 53'		BOOM LENGTH 68'		BOOM LENGTH 83'		BOOM LENGTH 98'		BOOM LENGTH 113'	
LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)
34.2	3,200										

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TRUCK CRANE

T790

LIFTING CAPACITIES

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ON OUTRIGGERS - FULLY EXTENDED (BOOM MODE B) WITH 8,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	BOOM LENGTH 38' BOOM ANGLE (DEG)	BOOM LENGTH 38' OVER REAR (LB)	BOOM LENGTH 38' 360° (LB)	BOOM LENGTH 53' BOOM ANGLE (DEG)	BOOM LENGTH 53' OVER REAR (LB)	BOOM LENGTH 53' 360° (LB)	BOOM LENGTH 68' BOOM ANGLE (DEG)	BOOM LENGTH 68' OVER REAR (LB)	BOOM LENGTH 68' 360° (LB)	BOOM LENGTH 83' BOOM ANGLE (DEG)	BOOM LENGTH 83' OVER REAR (LB)	BOOM LENGTH 83' 360° (LB)	BOOM LENGTH 98' BOOM ANGLE (DEG)	BOOM LENGTH 98' OVER REAR (DEG)	BOOM LENGTH 98' 360° (LB)	LOAD RADIUS (FT)
10	71.5	166,300*	166,300*	76.9	80,100*	80,100*										10
12	68.2	136,500*	136,500*	74.6	80,100*	80,100*										12
15	63.1	106,500*	106,500*	71.2	77,200*	77,200*	75.5	60,800*	60,800*							15
20	54.0	76,200*	76,200*	65.3	69,900*	69,900*	71.1	53,900*	53,900*	74.6	40,200*	40,200*				20
25	43.6	57,800*	57,800*	59.1	60,600*	60,600*	66.5	48,400*	48,400*	71.0	34,900*	34,900*	74.0	30,300*	30,300*	25
30	30.1	44,700	44,700*	52.4	46,400	46,400*	61.7	44,000*	44,000*	67.2	30,700*	30,700*	70.9	26,600*	26,600*	30
35				45.0	35,600	35,600	56.8	37,200	37,200*	63.4	27,400*	27,400*	67.7	23,800*	23,800*	35
40		MODE B		36.3	27,600	27,600	51.5	29,300	29,300	59.4	24,700*	24,700*	64.5	21,400*	21,400*	40
45				25.0	21,800	21,800	45.7	23,700	23,700	55.3	22,500*	22,500*	61.2	19,500*	19,500*	45
50							39.3	19,400	19,400	50.9	20,400	20,400*	57.8	17,800*	17,800*	50
55							31.7	16,000	16,000	46.2	17,100	17,100	54.2	16,400*	16,400*	55
60							21.9	13,200	13,200	41.0	14,400	14,400	50.5	15,000	15,000*	60
65										35.5	12,200	12,200	46.5	12,800	12,800	65
70										28.5	10,300	10,300	42.2	11,000	11,000	70
75										19.6	8,700	8,700	37.6	9,400	9,400	75
80													32.6	8,100	8,100	80
85													26.1	6,900	6,900	85
90													18.0	5,800	5,800	90

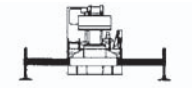
**MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE (BOOM MODE B)

BOOM LENGTH 38' LOAD RADIUS (FT)	BOOM LENGTH 38' OVER REAR (LB)	BOOM LENGTH 38' 360° (LB)	BOOM LENGTH 53' LOAD RADIUS (FT)	BOOM LENGTH 53' OVER REAR (LB)	BOOM LENGTH 53' 360° (LB)	BOOM LENGTH 68' LOAD RADIUS (FT)	BOOM LENGTH 68' OVER REAR (LB)	BOOM LENGTH 68' 360° (LB)	BOOM LENGTH 83' LOAD RADIUS (FT)	BOOM LENGTH 83' OVER REAR (LB)	BOOM LENGTH 83' 360° (LB)	BOOM LENGTH 98' LOAD RADIUS (FT)	BOOM LENGTH 98' OVER FRONT (LB)	BOOM LENGTH 98' 360° (LB)
34.2	33,200	33,200	44.2	18,300	18,300	59.2	7,400	7,200	74.2	4,100	3,900	89.2	2,000	2,000

ON OUTRIGGERS - FULLY EXTENDED (BOOM MODE A) WITH 8,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	BOOM LENGTH 113' BOOM ANGLE (DEG)	BOOM LENGTH 113' OVER REAR (LB)	BOOM LENGTH 113' 360° (LB)	BOOM LENGTH 128' BOOM ANGLE (DEG)	BOOM LENGTH 128' OVER REAR (LB)	BOOM LENGTH 128' 360° (LB)	BOOM LENGTH 138' BOOM ANGLE (DEG)	BOOM LENGTH 138' OVER REAR (LB)	BOOM LENGTH 138' 360° (LB)	LOAD RADIUS (FT)
30	73.5	23,500*	23,500*	75.5	25,500*	25,500*				30
35	70.8	21,000*	21,000*	73.2	22,900*	22,900*	74.4	24,600*	24,600*	35
40	68.1	19,000*	19,000*	70.8	20,700*	20,700*	72.3	22,300*	22,300*	40
45	65.3	17,000*	17,000*	68.4	18,900*	18,900*	70.1	20,400*	20,400*	45
50	62.5	15,300*	15,300*	66.0	17,100*	17,100*	67.8	18,800*	18,800*	50
55	59.6	13,900*	13,900*	63.5	15,600*	15,600*	65.5	16,200	16,200	55
60	56.6	12,800*	12,800*	60.9	14,200	14,200	63.2	13,500	13,500	60
65	53.4	11,700*	11,700*	58.3	12,000	12,000	60.9	11,400	11,300	65
70	50.2	10,700*	10,700*	55.6	10,300	10,300	58.4	9,500	9,500	70
75	46.7	9,900*	9,900*	52.8	8,700	8,700	55.9	8,000	7,900	75
80	43.1	8,600	8,600	49.9	7,400	7,400	53.4	6,700	6,600	80
85	39.1	7,400	7,400	46.9	6,300	6,300	50.7	5,500	5,500	85
90	34.8	6,400	6,400	43.7	5,300	5,300	47.9	4,500	4,500	90
95	30.0	5,500	5,500	40.3	4,400	4,400	45.0	3,600	3,600	95
100	24.2	4,700	4,700	36.6	3,600	3,600	42.0	2,700	2,800	100
105	16.7	3,900	3,900	32.6	2,900	2,900	38.7	2,100	2,100	105
110				28.1	2,300	2,200	35.2	1,400	1,400	110
115		MODE B		22.7	1,700	1,600	31.4	800	800	115
120				15.6	1,100	1,000				120

USE THESE CHARTS ONLY WHEN ALL OUTRIGGERS ARE FULLY EXTENDED



MODE B

**MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE (BOOM MODE B)

BOOM LENGTH 113' LOAD RADIUS (FT)	BOOM LENGTH 113' OVER REAR (LB)	BOOM LENGTH 113' 360° (LB)	BOOM LENGTH 128' LOAD RADIUS (FT)	BOOM LENGTH 128' OVER REAR (LB)	BOOM LENGTH 128' 360° (LB)	BOOM LENGTH 138' LOAD RADIUS (FT)	BOOM LENGTH 138' OVER REAR (LB)	BOOM LENGTH 138' 360° (LB)
109.2	3,200	3,200						

TEREX

TRUCK CRANE

T790

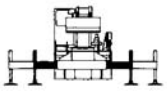
LIFTING CAPACITIES

CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change

ON OUTRIGGERS - MID POSITION (BOOM MODE B) WITH 8,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	38' BOOM		53' BOOM		68' BOOM		83' BOOM		98' BOOM		113' BOOM		128' BOOM		138' BOOM		LOAD RADIUS (FT)
	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	
10	71.5	137,300*	76.9	80,100*													10
12	68.2	111,800*	74.6	80,100*													12
15	63.1	84,200	71.2	77,200*	75.5	60,800*											15
20	54.0	43,500	65.3	47,500	71.1	49,300	74.6	40,200*									20
25	43.6	26,900	59.1	30,200	66.5	31,800	71.0	32,700	74.0	30,300*							25
30	30.1	17,700	52.4	20,800	61.7	22,300	67.2	23,200	70.9	23,800	73.5	26,500*	75.5	22,800			30
35			45.0	14,800	56.8	16,300	63.4	17,200	67.7	17,800	70.8	23,500*	73.2	16,800	74.4	16,500	35
40			36.3	10,600	51.5	12,300	59.4	13,100	64.5	13,700	68.1	18,300	70.8	12,800	72.3	12,600	40
45			25.0	7,500	45.7	9,200	55.3	10,100	61.2	10,700	65.3	14,100	68.4	9,800	70.1	9,800	45
50					39.3	6,900	50.9	7,900	57.8	8,400	62.5	11,100	66.0	7,600	67.8	7,600	50
55					31.7	5000	46.2	6,000	54.2	6,600	59.6	8,800	63.5	5,800	65.5	5,900	55
60					21.9	3400	41.0	4,500	50.5	5,200	56.6	7,000	60.9	4,400	60.9	4,500	60
65							35.3	3,300	46.5	3,900	53.4	5,600	58.3	3,200	58.4	3,400	65
70									42.2	2,900	50.2	4,400					70
75											46.7	3,400					75

USE THESE CHARTS ONLY WHEN ALL OUTRIGGERS ARE PINNED IN MID POSITION



MODE B

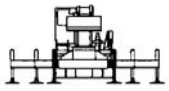
**MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE (BOOM MODE B)

BOOM LENGTH 38'		BOOM LENGTH 53'		BOOM LENGTH 68'		BOOM LENGTH 83'		BOOM LENGTH 98'		BOOM LENGTH 113'		BOOM LENGTH 128'		BOOM LENGTH 138'	
LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)	LOAD RADIUS (FT)	360° (LB)
34.2	11,900	49.2	5,000												

ON OUTRIGGERS - RETRACTED (BOOM MODE B) WITH 8,000 LB MAIN COUNTERWEIGHT

LOAD RADIUS (FT)	38' BOOM		53' BOOM		68' BOOM		83' BOOM		98'BOOM		LOAD RADIUS (FT)
	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	BOOM ANGLE (DEG)	360° (LB)	
10	71.5	47,800	76.9	51,000							10
12	68.2	33,400	74.6	36,300							12
15	63.1	21,500	71.2	24,000	75.5	25,500					15
20	54.0	11,100	65.3	13,800	71.1	15,100	74.6	15,900			20
25	43.6	5,500	59.1	8,300	66.5	9,600	71.0	10,300	74.0	10,900	25
30			52.4	4,900	61.7	6,100	67.2	6,900	70.9	7,400	30
35					56.8	3,800	63.4	4,600	67.7	5,100	35
40									64.5	3,400	40

USE THESE CHARTS ONLY WHEN ALL OUTRIGGER BEAMS ARE NOT IN EITHER THE MID OR FULLY EXTENDED POSITION



MODE B

TEREX

TRUCK CRANE

T790

LIFTING CAPACITIES

CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change

SIDE STOW JIB ON FULLY EXTENDED OUTRIGGERS WITH 17,000 LB ON MAIN COUNTERWEIGHT

	32' OFFSETTABLE JIB/NO PULL OUT INSTALLED/FULLY EXTENDED MAIN BOOM									33' OFFSETTABLE JIB/PULL OUT RETRACTED/FULLY EXTENDED MAIN BOOM									
	0° OFFSET			15° OFFSET			30° OFFSET			0° OFFSET			15° OFFSET			30° OFFSET			
LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)
79	41	12,100*	12,100*	47	8,600*	8,600*	52	6,500*	6,500*	41	12,100*	12,100*	47	8,600*	8.600 .	52	6,500*	6,500*	79
77	43	11,600*	11,600*	53	8,200*	8,200*	58	6,300*	6,300*	43	11,600*	11,600*	53	8,200*	8,200*	58	6,300*	6,300*	77
75	46	11,100*	11,100*	58	7,900*	7,900*	63	6,200*	6,200*	47	11,100*	11,100*	59	7,900*	7,900*	64	6,200*	6,200*	75
73	52	10,600*	10,600*	64	7,600*	7,600*	69	6,000*	6,000*	53	10,600*	10,600*	65	7,600*	7,600*	70	6.000*	6.000*	73
71	59	10,300*	10,300*	69	7,300*	7,300*	74	5,900*	5,900*	60	10,300*	10,300*	70	7,300*	7,300*	75	5,900*	5,900*	71
68	69	9,500*	9,500*	77	6,900*	6,900*	82	5.700*	5,700*	70	9,500*	9,500*	78	6,900*	6,900*	83	5,700*	5,700*	68
65	78	8,800*	8.800*	85	6,600*	6,600*	90	5,500*	5,500*	79	8,800*	8,800*	86	6,600*	6.600*	91	5,500*	5,500*	65
62	87	8,200*	8,200*	92	6,300*	6,300*	97	5,400*	5,400*	88	8,200*	8,200*	93	6,300*	6,300*	98	5,400*	5,400*	62
59	94	7,700*	7,700*	100	6,100*	6,100*	104	5,300*	5,300*	95	7,000	7,000	101	5,800	5,800	105	5,300*	5,300*	59
55	104	6,300	6,300	109	5,600	5,500	112	5,200*	5,200*	105	5,500	5,500	110	4,900	4,700	113	4,900	4,800	55
51	112	5,000	4,900	117	4,600	4,400	120	4,500	4,300	113	4,300	4,200	118	3,900	3,700	121	3,800	3,600	51
47	120	4,000	3,800	125	3,700	3,500	128	3,600	3,400	121	3,200	3,100	126	3,000	2,800	129	2,900	2.700	47
43	127	3,100	2,900	132	2,900	2,800	134	2,900	2,700	128	2,400	2,200	133	2,200	2,100	135	2,200	2,000	43
38	136	2,200	2,000	140	2,100	2,000	142	2,100	1,900	137	1,500	1,300	141	1,400	1,300	143	1,400	1,200	38
32	145	1,400	1,200	148	1,300	1,000	149	1,400											

MODE A OR B

Notes For Jib Capacities:

A. For all boom lengths less than the maximum with a jib erected, lhe rated loads are determined by boom angle only in the appropriate column.
B. For boom angles not shown, use the capacity of the next lower boom angle.
C. Listed radii are for fully extended main boom only.

SIDE STOW JIB ON FULLY EXTENDED OUTRIGGERS WITH 17,000 LB MAIN COUNTERWEIGHT

	57' OFFSETTABLE JIB/FULLY EXTENDED MAIN BOOM								
	0° OFFSET			15° OFFSET			30° OFFSET		
LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)
79	44	6,600*	6,600*	59	4,600*	4,600*	69	4,300*	4,300*
77	52	6,500*	6,500*	66	4,400*	4,400*	46	3,300*	3,300*
75	60	6,200*	6,200*	73	4,200*	4,200*	83	3,200*	3,200*
73	67	6,100*	6,100*	79	4,000*	4,000*	89	3,100*	3,100*
71	75	5,700*	5,700*	86	3,800*	3,800*	96	3,000*	3,000*
68	85	5,200*	5,200*	95	3,600*	3,600*	105	3,900*	2,900*
65	95	4,800*	4,800*	104	3,400*	3,400*	114	2,800*	2,800*
62	104	4,400*	4,400*	112	3,300*	3,300*	122	2,700*	2,700*
59	112	4,100*	4,100*	120	3,100*	3,100*	129	2,700*	2,700*
55	123	3,800*	3,800*	130	3,000*	3,000*	139	2,600*	2,600*
51	133	3,400	3,200	140	2,800*	2,800*	147	2,500*	2,500*
47	142	2,400	2,300	148	2,400	2,200	155	2,400*	2,000
43	149	1,800	1,700	156	1,700	1,500	162	1,700	1,500
38	158	1,200							

ON TIRES WITH 17,000 LB MAIN COUNTERWEIGHT +2,500 FRONT COUNTERWEIGHT MODE B ONLY

		ALL		
		STATIONARY	PICK & CARRY	
RADIUS (FT)	MAX BOOM LENGTH (FT)	STATIC	CREEP	2.5 MPH
		STRAIGHT OVER REAR		
15	38	50,800	50,800	50,800
20	53	35,200	35,200	35,200
25	53	24,400	24,400	24,400
30	53	15,000	15,000	15,000
35	53	12,700	12,700	12,700
40	53	10,600	10,600	10,600
45	68	8,900	8,900	8,900
50	68	7,400	7,400	7,400
55	68	6,100	6,100	6,100
60	68	5,000	5,000	5,000
65	83	4,100	4,100	4,100
70	83	3,400	3,400	3,400
75	83	2,800	2,800	2,800
80	98	2,300	2,300	2,300
85	98	1,800	1,800	1,800
90	98	1,400	1,400	1,400

Notes For On Tire Capacities:

A. For Pick and Carry operations, boom must be centered over the rear at the crane with swing brake and lock engaged. Use minimum boom point height and keep load close to ground surface. Travel must be on smooth level surface.
B. The load should be restrained from swinging. NO ON TIRE OPERATION WITH JIB ERECTED.
C. Without outriggers, never maneuver the boom beyond listed load radii for applicable tires to ensure stability.
D. Creep speed is crane movement at less than 200' (61m) in a 30 minute period and not exceeding 1.0 mph(1.6 km/h).
E. Refer to General Notes for additional information.

TEREX

TRUCK CRANE

T790

LIFTING CAPACITIES

CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and by be subject to change

SIDE STOW JIB ON FULLY EXTENDED OUTRIGGERS WITH 17,000 LB ON MAIN COUNTERWEIGHT 113' MAIN BOOM (MODE B-SECTION II FULLY RETRACTED)

	32' OFFSETTABLE JIB/NO PULL OUT INSTALLED/FULLY EXTENDED MAIN BOOM									33' OFFSETTABLE JIB/PULL OUT RETRACTED/FULLY EXTENDED MAIN BOOM									
	0° OFFSET			15° OFFSET			30° OFFSET			0° OFFSET			15° OFFSET			30° OFFSET			
LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	REAR ONLY (LB)	360° (LB)	LOADED BOOM ANGLE (DEG)
79	27	12,100*	12,100*	38	8.600*	8.600*	45	6.500*	6.500*	27	12,100*	12,100*	38	8,600*	8.600*	45	6,500*	6.500*	79
77	33	11,600*	11,600*	43	8,200*	8,200*	51	6,300*	6,300*	33	11,600*	11,600*	43	8,200*	8,200*	51	6,300*	6,300*	77
75	38	11,100*	11,100*	48	7,900*	7,900*	55	6,200*	6,200*	39	11,100*	11,100*	49	7,900*	7,900*	56	6,200*	6,200*	75
73	43	10,600*	10,600*	53	7,600*	7,600*	60	6,000*	6,000*	44	10,600*	10,600*	54	7,600*	7,600*	61	6,000*	6.000*	73
71	49	10,300*	10,300*	58	7,300*	7,300*	64	5,900*	5,900*	50	10,300*	10,300*	59	7,300*	7,300*	65	5,900*	5,900*	71
68	57	9,500*	9,500*	65	6,900*	6,900*	71	5.700*	5,700*	58	9,500*	9,500*	66	6,900*	6,900*	72	5.700*	5,700*	68
65	64	8.800*	8,800*	72	6,600*	6,600*	78	5,500*	5,500*	65	8.800 .	8,800*	73	6,600*	6,600*	79	5,500*	5,500*	65
62	72	8,200*	8,200*	78	6,300*	6,300*	84	5,400*	5,400*	73	8,200*	8,200*	79	6,300*	6,300*	85	5,400*	5,400*	62
59	79	7,700*	7.700*	85	6,100*	6,100*	90	5,300*	5,300*	80	7.700*	7,700*	86	6,100*	6,100*	91	5,300*	5,300*	59
55	87	7,100*	7,100*	93	5,800*	5,800*	97	5,200*	5,200*	88	7,100*	7,100*	94	5,800*	5,800*	98	5,200*	5,200*	55
51	95	6,700*	6.700*	100	5,600*	5,600*	104	5,100*	5,100*	96	6.700*	6,700*	101	5,600*	5,600*	105	5,100*	5,100*	51
47	103	6,300*	6,300*	107	5,400*	5,400*	110	5,100*	5,100*	104	6,300*	6,300*	108	5,400*	5,400*	111	5,100*	5,100*	47
43	109	6.000*	6,000*	113	5,300*	5,300*	115	5,000*	5,000*	110	6.000*	6,000*	114	5,300*	5,300*	116	5,000*	5,000*	43
38	117	5,700*	5,700*	120	5,200*	5,200*	122	5,000*	5,000*	118	5,300	5,600	121	5,200*	5,000	123	5,000*	5,000*	38
32	125	5,200	5,100	127	5,100*	4,900	128	4,900*	4,900*	126	4,500	4,400	128	4,400	4,200	129	4,500	4,300	32
25	131	4,400	4,200	132	4,400	4,200				133	3.700	3,500	134	3,700	3,500				25
17	137	3,800	3,800	138	3,800	3,600				139	3,100	2,900	140	3,100	2,900				17
0	141	3,500	3,300							143	2,800	2,600							0

MODE B

Notes For Jib Capacities:

A. For all boom lengths less than the maximum with a jib erected, the rated loads are determined by boom angle only in lhe appropriate column.
B. For boom angles not shown, use the capacity of the next lower boom angle.
C. Listed radii are for fully extended main boom only.

SIDE STOW JIB ON FULLY EXTENDED OUTRIGGERS WITH 17,000 LB MAIN COUTERWEIGHT 113' MAIN BOOM (MODE B-SECTION II FULLY RETRACTED

	57' OFFSETTABLE JIB								
	0° OFFSET			15° OFFSET			30° OFFSET		
LOADED BOOM ANGLE (DEG)	LOAD RADIUS (REF) (FT)	FRONT ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	FRONT ONLY (LB)	360° (LB)	LOAD RADIUS (REF) (FT)	FRONT ONLY (LB)	360° (LB)
79	36	6,600*	6,600*	52	4,600*	4,600*	64	3,400*	3,400*
77	43	6,500*	6,500*	58	4,400*	4,400*	69	3,300*	3,300*
75	49	6,200*	6,200*	63	4,200*	4,200*	75	3,200*	3,200*
73	56	6,100*	6,100*	69	4,000*	4,000*	80	3,100*	3,100*
71	62	5,700*	5,700*	74	3,800*	3,800*	85	3,000*	3,000*
68	71	5,200*	5,200*	82	3,600*	3,600*	92	2,900*	2,900*
65	79	4,800*	4,800*	90	3,400*	3,400*	99	2,800*	2,800*
62	87	4,400*	4,400*	97	3,300*	3,300*	106	2,700*	2,700*
59	95	4,100*	4,100*	104	3,100*	3,100*	112	2,700*	2,700*
55	104	3,800*	3,800*	112	3,000*	3,000*	120	2,600*	2,600*
51	113	3,500*	3,500*	120	2,800*	2,800*	127	2,500*	2,500*
47	121	3,300*	3,300*	127	2,700*	2,700*	133	2,500*	2,500*
43	128	3,100*	3,100*	134	2,600*	2,600*	138	2,500*	2,500*
38	136	2,900*	2,900*	141	2,600*	2,600*	145	2,500*	2,500*
32	145	2.700*	2,700*	148	2,500*	2,500*	150	2,500*	2,500*
25	153	2,500*	2,500*	155	2,500*	2,500*			
17	160	2,500*	2,500*	161	2,500*	2,500*			
0	166	2,500*	1,700						

MODE B

MAXIMUM PERMISSIBLE HOIST LINE LOAD

LINE PARTS	1	2	3	4	5	6	7
MAIN & AUX. HOIST	13,800	27,600	41,400	55,200	69,000	82,800	96,600
LINE PARTS	8	9	10	11	12	13	14*
MAIN & AUX. HOIST	110,400	124,200	138,000	151,800	165,600	179,400	180,000

WIRE ROPE: 3/4" ROTATION RESISTANT 34 X 7 COMPACTED STRAND, GRADE 2160, MINIMUM BREAKING STRENGTH 34.5 TONS.

3/4" 6 X 19 OR 6 X 37 IPS, IWRC, PREFORMED RIGHT REGULAR LAY MINIMUM BREAKING STRENGTH 25.6 TONS. WEIGHT 1.04 LB/FT

*FOR REEVING REQUIRING 13 OR 14 PARTS OF LINE. THE FIRST PART OF LINE MAY BE ROUTED OVER THE AUXILIARY BOOM HEAD SHEAVE. THIS REEVING MAY ONLY BE USED AT MINIMUM RATED RADIUS. DO NOT PULL THE HOOK BLOCK CLOSER THAN 10' FROM THE BOOM HEAD.

TEREX

General Notes | T790

GENERAL

1. Rated loads as shown on Lift Charts pertain to this machine as originally manufactured and equipped. Modifications to the machine or use of optional equipment or other than that specified can result in a reduction of capacity.
2. Construction equipment can be hazardous if improperly operated or maintained. Operation and maintenance of this machine shall be in compliance with the information in the Operator's, Parts and Safety Manuals supplied with this machine. If These manuals are missing, order replacements from the manufacturer through your distributor.
3. These warnings to not constitute all of the operating conditions for the crane. The operator and job site supervision must read the OPERATORS MANUAL, CIMA SAFETY MANUAL, APPLICABLE OSHA REGULATIONS, AND SOCIETY OF MECHANICAL ENGINEERS (ASME) SAFETY STANDINGS FOR CRANES.
4. This crane and its load ratings are in accordance with POWER CRANE & SHOVEL ASSOCIATION, STANDARD NO.4 SAE CRANE LOAD STABILITY TEST CODE J765A, SAE METHOD OF TEST FOR CRANE STRUCTURE J1063 AND APPLICABLE SAFETY CODE FOR CRANES, DERRICKS AND HOISTS, ASME/ANSI B30.5

DEFINITIONS

1. LOAD RADIUS - The horizontal distance from the axis of rotation before loading to the center of the vertical hoist line or tackle with a load applied.
2. LOADED BOOM ANGLE - It is the angle between the boom base section and the horizontal, after lifting the rated load at the rated radius. the boom angle before loading should be greater to account for deflections. The loaded boom angle combined with boom length give only an approximation of the operating radius.
3. WORKING AREA - Areas measured in a circular arc about the centerline of rotation as shown in the diagram.
4. FREELY SUSPENDED LOAD - Load hanging free with no direct external force applied except by the hoist rope.
5. SIDE LOAD - Horizontal force applied to he lifted load either on the ground or in the air.
6. NO LOAD STABILITY LIMIT - The stability limit radius shown on the range diagrams is the radius beyond which it is not permitted to position the boom, when the boom angle is less than the minimum shown on the applicable load chart, because the machine can overturn without any load.
7. BOOM SIDE OF CRANE - The side of the crane over which the boom is positions when in OVER SIDE working position.

SET-UP

1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.
2. Crane load ratings on outriggers are based on all outrigger beams being fully extended or in the case of partial extension ratings mechanically pinned in the appropriate position, and the tires free of the supporting surface.
3. Crane load ratings on tires depend on appropriate inflation pressure and the tire conditions. Caution must be exercised when increasing air pressures in tires. Consult Operator's Manual for precautions.
4. Use of jibs, lattice-type boom extensions, or fourth section pullouts extended is not permitted for pick and carry operations.
5. Consult appropriate section of the Operator's and Service Manual for more exact description of hoist line reeving.
6. The use of more parts of line than required by the load may result in having insufficient rope to allow the hook block to reach the ground.
7. Properly maintained wire rope is essential for save crane operation. Consult Operator's Manual for proper maintenance and inspection requirements.
8. When spin-resistant wire rope is used, the allowable rope loading shall be the breaking strength divided by five (5), unless otherwise specified by the wire rope manufacturer.
9. Do not elevate the boom above 60° unless the boom is positioned in-line with the crane's chassis or the outrigger are extended. Failure to observe this warning may result in loss of stability.

OPERATION

1. CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.
2. When either radius or boom length, or both, are between listed values, the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams.)
4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a specified boom length.The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.
5. Power telescoping boom sections must be extended equally.
6. Rated loads include the weight of hook block, slings, and auxiliary lifting devices. Their weights shall be subtracted from the listed rated load to obtain the net load that can be lifted. When lifting over the jib the weight of any hook block, slings, and auxiliary lifting devices at the boom head must be added to the load. When jibs are erected but unused add two (2) times the weight of any hook block, slings, and auxiliary lifting devices at the jib head to the load.
7. Rated loads do not exceed 85% on outriggers or 75% on tires, of the tipping load as determined by SAE Crane Stability Test Code J765a. Structural strength ratings in chart are indicated with an asterisk (*).
8. Rated loads are based on freely suspended loads. No attempt shall be made to drag a load horizontally on the ground in any direction.
9. The user shall operate at reduced ratings to allow for adverse job conditions, such as: soft or uneven ground, out of level conditions, high winds, side loads, pendulum action, jerking or sudden stopping of loads, hazardous conditions, experience of personnel, two machine lifts, traveling with loads, electric wires, etc. (side pull on boom or jib is hazardous). Derating of the cranes lifting capacity is required when wind speed exceeds 20 MPH. The center of the lifted load must never be allowed to move more then 3* off the center line of the base boom section due to the effects of wind, inertia, or any combination of the two.
   *"Use 2' off the center line of the base boom for a two section boom, 3' for a there section boom, or 4' for a four section boom."
10. The maximum load which can be telescoped is not definable, because of variations in loadings and crane maintenance, but it is permissible to attempt retraction and extension if load ratings are not exceeded.
11. Load ratings are dependent upon the crane being maintained according to manufacturer's specifications.
12. It is recommended that load handling devices, including hooks, and hook blocks, be kept away from boom head at all times.
13. FOR TRUCK CRANES ONLY: 360° capacities apply only to machines equipped with a front outrigger jack and all five(5) outrigger jacks properly set. If the front (5th) outrigger jack is not properly set, the work area is restricted to the over side and over rear ares as shown on the Crane Working Positions diagram. Use the 360° load ratings in the overside work areas.
14. Do not lift with outrigger beams positioned between the fully extended and intermediate (pinned) positions.
15. Truck Cranes not equipped with equalizing (bogie) beams between the rear axles may not be used for lifting "on tires". Truck Cranes equipped with equalizing beams and rear air suspension should "dump" the air before lifting "on tires".

CLAMSHELL, MAGNET, AND CONCRETE BUCKET SERVICE

1. Maximum boom length for clamshell and magnet service is 50'.
2. Weight of clamshell or magnet, plus contents are not to exceed 6,000 lb or 90% of rated lifting capacities, whichever is less. For concrete bucket operation, weight of bucket and load must not exceed 90% of rated lifting capacity.

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