

# CLAMSHELL/GRAPPLE CAPACITIES 888 SERIES 1

**BOOM NO. 22E WITH OPEN THROAT TOP  
109,100 LB. COUNTERWEIGHT  
28'2" CRAWLERS EXTENDED  
360 DEGREE RATING**

CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 67.5% OF A STATIC TIPPING LOAD. CAPACITIES ARE BASED ON TIPPING, STRUCTURAL COMPETENCE (\*), OPERATING SPEEDS AND OTHER FACTORS.

WEIGHT OF BUCKET IS CONSIDERED PART OF LOAD. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH CRAWLERS FULLY EXTENDED AND GANTRY UP. REFER TO BOOM RIGGING NO. 176519 AND WIRE ROPE SPECIFICATION CHART NO. 7963-B. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

OPERATING RADIUS IS HORIZONTAL DISTANCE FROM AXIS OF ROTATION TO CENTER OF GRAVITY OF THE FREELY SUSPENDED LOAD. BOOM ANGLE IS ANGLE ABOVE TRUE HORIZONTAL OF A LINE DRAWN THROUGH BOOM HINGE PIN AND THE UPPER BOOM POINT SHAFT CENTERLINE.

MACHINE EQUIPPED WITH 28'2" EXTENDIBLE CRAWLERS, 48" TREADS, 10'3" RETRACTABLE GANTRY, 30' LIVE MAST, 20 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, AND 109,100 LB. COUNTERWEIGHT.

 DEDUCT 4,000 LBS. FROM CAPACITIES WHEN  
BOOM BUTT IS EQUIPPED WITH AUXILIARY DRUM.

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	CAPACITY POUNDS
<b>70</b>	35	67.1	32,000*
	40	62.9	32,000*
	45	58.4	32,000*
	50	53.7	32,000*
	55	48.7	32,000*
	60	43.3	32,000*
	65	37.3	32,000*
<b>80</b>	70	30.3	32,000*
	40	66.3	32,000*
	45	62.5	32,000*
	50	58.6	32,000*
	55	54.5	32,000*
	60	50.2	32,000*
	65	45.5	32,000*
<b>90</b>	70	40.5	32,000*
	75	34.9	32,000*
	80	28.4	32,000*
	40	69.0	32,000*
	45	65.7	32,000*
	50	62.3	32,000*
	55	58.7	32,000*
<b>100</b>	60	55.1	32,000*
	65	51.3	32,000*
	70	47.2	32,000*
	75	42.9	32,000*
	80	38.2	32,000*
	85	33.0	30,300
	90	26.8	27,600
<b>110</b>	45	68.1	32,000*
	50	65.1	32,000*
	55	62.0	32,000*
	60	58.9	32,000*
	65	55.6	32,000*
	70	52.2	32,000*
	75	48.6	32,000*
<b>120</b>	80	44.8	32,000*
	85	40.7	30,100
	90	36.3	27,500
	95	31.3	25,100
	100	25.5	23,000

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	CAPACITY POUNDS
<b>110</b>	50	67.4	32,000*
	55	64.7	32,000*
	60	61.9	32,000*
	65	59.0	32,000*
	70	56.0	32,000*
	75	52.9	32,000*
	80	49.6	32,000*
<b>120</b>	85	46.3	29,700
	90	42.7	27,100
	95	38.8	24,700
	100	34.6	22,700
	105	29.8	20,800
<b>130</b>	55	66.9	32,000*
	60	64.3	32,000*
	65	61.7	32,000*
	70	59.0	32,000*
	75	56.3	32,000*
	80	53.5	32,000*
	85	50.5	29,400
<b>140</b>	90	47.5	26,800
	95	44.2	24,500
	100	40.8	22,400
	105	37.1	20,500
	110	33.1	18,800
	115	28.6	17,300