

CLAMSHELL CAPACITIES 4600 SERIES-4

BOOM NO. 27B WITH OPEN THROAT TOP
82,000 LB. COUNTERWEIGHT OR 85,000 LB. COUNTERWEIGHT

CRAWLER

Capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed **67.5%** of a static tipping load in the least stable position with machine on a firm, level surface. Capacities are based on tipping, structural competence, operating speeds and other factors. Capacities based on structural competence are shown by shaded areas.

Capacities are shown in pounds. Weight of bucket is considered part of the load. Where no capacity is shown, operation is not intended or approved.

Refer to rigging No. 65234 and wire rope specification chart No. 6531-A. Crane operator judgment must be used to allow for adverse operating conditions and physical machine depreciation.

Operating radius is the horizontal distance from the axis of rotation to the center of gravity of the freely suspended load. Boom angle is the angle above true horizontal of a line drawn through the boom hinge pin and the upper boom point shaft centerline.

Machine equipped with 30'5" crawlers, 60" treads, 33' retractable gantry, 12 part boom hoist reeving, four 1-3/8" boom pendants and total counterweight of 82,000 lbs. with cwt. assembly No. 190821 or 85,000 lbs. with cwt. assembly No. 49667.

| Boom Lgth.: Feet | Oper. Rad.: Feet | Boom Angle: Deg. | Capacity: | Boom Lgth.: Feet | Oper. Rad.: Feet | Boom Angle: Deg. | Capacity: |
|---------------------|---------------------|---------------------|-----------|---------------------|---------------------|---------------------|-----------|
| 80 | 36 | 70.9 | 50,000 | 140 | 60 | 69.1 | 50,000 |
| | 38 | 69.5 | 50,000 | | 65 | 67.0 | 50,000 |
| | 40 | 68.1 | 50,000 | | 70 | 64.8 | 50,000 |
| | 45 | 64.4 | 50,000 | | 75 | 62.6 | 50,000 |
| | 50 | 60.6 | 50,000 | | 80 | 60.3 | 50,000 |
| | 55 | 56.6 | 50,000 | | 85 | 58.0 | 44,500 |
| | 60 | 52.4 | 50,000 | | 90 | 55.7 | 39,900 |
| | 65 | 48.0 | 50,000 | | 95 | 53.2 | 36,000 |
| | 70 | 43.3 | 50,000 | | 100 | 50.7 | 32,700 |
| | 75 | 38.1 | 50,000 | | 105 | 48.1 | 29,800 |
| 100 | 80 | 32.3 | 50,000 | | 110 | 45.4 | 27,300 |
| | 45 | 69.5 | 50,000 | | 115 | 42.5 | 25,000 |
| | 50 | 66.6 | 50,000 | | 120 | 39.5 | 23,100 |
| | 55 | 63.5 | 50,000 | | 125 | 36.3 | 21,400 |
| | 60 | 60.4 | 50,000 | | 130 | 32.8 | 19,800 |
| | 65 | 57.3 | 50,000 | 160 | 70 | 68.0 | 50,000 |
| | 70 | 53.9 | 50,000 | | 75 | 66.1 | 50,000 |
| | 75 | 50.5 | 50,000 | | 80 | 64.2 | 47,700 |
| | 80 | 46.8 | 50,000 | | 85 | 62.3 | 42,500 |
| | 85 | 43.0 | 50,000 | | 90 | 60.3 | 38,100 |
| | 90 | 38.8 | 46,200 | | 95 | 58.3 | 34,400 |
| | 95 | 34.2 | 41,700 | | 100 | 56.2 | 31,200 |
| | 100 | 29.0 | 37,800 | | 105 | 54.1 | 28,400 |
| | 50 | 70.5 | 50,000 | | 110 | 51.9 | 26,000 |
| | 55 | 68.0 | 50,000 | | 115 | 49.7 | 23,900 |
| 120 | 60 | 65.5 | 50,000 | | 120 | 47.3 | 22,000 |
| | 65 | 63.0 | 50,000 | | 125 | 44.9 | 20,400 |
| | 70 | 60.4 | 50,000 | | 130 | 42.4 | 18,900 |
| | 75 | 57.7 | 50,000 | | 135 | 39.8 | 17,600 |
| | 80 | 54.9 | 50,000 | | 140 | 37.0 | 16,400 |
| | 85 | 52.1 | 48,900 | | 145 | 34.0 | 15,400 |
| | 90 | 49.1 | 43,900 | | | | |
| | 95 | 46.0 | 39,600 | | | | |
| | 100 | 42.7 | 35,900 | | | | |
| | 105 | 39.2 | 32,700 | | | | |
| | 110 | 35.4 | 30,000 | | | | |
| | 115 | 31.2 | 27,500 | | | | |
| | 120 | 26.5 | 25,400 | | | | |