



LIFTING CHARTS - Heavy Lift Attachments

AMERICAN SKY HORSE

MODEL 9310 SKY HORSE RATINGS

With 92H Boom and 77M Mast; 135,000 Cwt. and 138,000 Trailing Cwt.

| Boom & Mast Length | Radius In Feet | Boom Angle Degrees | Lift Over Side | Lift Over End | Ft. From Boom Point |
|-----------------------|----------------|--------------------|----------------|---------------|---------------------|
| 150' Boom & 100' Mast | 27 | 82.2 | 330000 | 330000 | 154 |
| | 30 | 81.0 | 328790 | 328790 | 154 |
| | 35 | 79.1 | 269310 | 271000 | 153 |
| | 40 | 77.1 | 224170 | 227430 | 152 |
| | 50 | 73.1 | 166610 | 168840 | 149 |
| | 60 | 69.1 | 131630 | 133310 | 146 |
| | 70 | 64.9 | 108160 | 109500 | 142 |
| | 80 | 60.6 | 91040 | 92150 | 137 |
| | 90 | 56.1 | 78430 | 79370 | 131 |
| | 100 | 51.3 | 68340 | 69170 | 124 |
| | 110 | 46.2 | 60250 | 60980 | 115 |
| | 120 | 40.6 | 53620 | 54270 | 105 |
| | 130 | 34.2 | 48080 | 48680 | 92 |
| | 140 | 26.5 | 43400 | 43940 | 75 |
| | 150 | 15.5 | 39500 | 40000 | 48 |
| 160' Boom & 100' Mast | 28 | 82.3 | 322420 | 322420 | 164 |
| | 30 | 81.6 | 316260 | 316260 | 164 |
| | 35 | 79.8 | 268930 | 270240 | 163 |
| | 40 | 77.9 | 223780 | 227040 | 162 |
| | 50 | 74.2 | 166180 | 168410 | 160 |
| | 60 | 70.5 | 131180 | 132860 | 157 |
| | 70 | 66.6 | 107710 | 109050 | 153 |
| | 80 | 62.6 | 90570 | 91680 | 148 |
| | 90 | 58.5 | 77970 | 78910 | 143 |
| | 100 | 54.1 | 67870 | 68700 | 136 |
| | 110 | 49.6 | 59770 | 60500 | 129 |
| | 120 | 44.6 | 53120 | 53780 | 119 |
| | 130 | 39.2 | 47580 | 48170 | 108 |
| | 140 | 33.0 | 42890 | 43430 | 95 |
| | 150 | 25.6 | 39030 | 39530 | 77 |
| 160 | 15.0 | 35500 | 35960 | 50 | |
| 170' Boom & 100' Mast | 29 | 82.4 | 294620 | 294620 | 174 |
| | 30 | 82.1 | 293220 | 293220 | 174 |
| | 35 | 80.4 | 269020 | 270080 | 173 |
| | 40 | 78.6 | 223850 | 227120 | 172 |
| | 50 | 75.2 | 166230 | 168470 | 170 |
| | 60 | 71.7 | 131220 | 132900 | 167 |
| | 70 | 68.0 | 107750 | 109100 | 164 |
| | 80 | 64.4 | 90600 | 91720 | 159 |
| | 90 | 60.5 | 78010 | 78960 | 154 |
| | 100 | 56.6 | 67900 | 68730 | 148 |
| | 110 | 52.4 | 59790 | 60520 | 141 |
| | 120 | 48.0 | 53140 | 53790 | 133 |
| | 130 | 43.2 | 47580 | 48170 | 123 |
| | 140 | 38.0 | 42880 | 43430 | 112 |
| | 150 | 32.0 | 39060 | 39560 | 98 |
| 160 | 24.8 | 35520 | 35990 | 79 | |
| 170 | 14.5 | 32430 | 32860 | 51 | |
| 180' Boom & 100' Mast | 31 | 82.2 | 274480 | 274480 | 184 |
| | 35 | 80.9 | 268760 | 268830 | 183 |
| | 40 | 79.3 | 223580 | 226850 | 182 |
| | 50 | 76.0 | 165940 | 168180 | 180 |
| | 60 | 72.7 | 130940 | 132630 | 178 |
| | 70 | 69.3 | 107470 | 108810 | 174 |
| | 80 | 65.9 | 90300 | 91420 | 170 |
| | 90 | 62.3 | 77730 | 78680 | 166 |
| | 100 | 58.6 | 67610 | 68440 | 160 |
| | 110 | 54.8 | 59490 | 60220 | 154 |
| | 120 | 50.8 | 52840 | 53490 | 146 |
| | 130 | 46.5 | 47280 | 47870 | 137 |
| | 140 | 41.9 | 42570 | 43110 | 127 |
| | 150 | 36.9 | 38780 | 39280 | 115 |
| | 160 | 31.1 | 35240 | 35700 | 100 |
| 170 | 24.1 | 32150 | 32580 | 81 | |
| 180 | 14.1 | 29410 | 29810 | 52 | |

| Boom & Mast Length | Radius In Feet | Boom Angle Degrees | Lift Over Side | Lift Over End | Ft. From Boom Point |
|-----------------------|----------------|--------------------|----------------|---------------|---------------------|
| 190' Boom & 100' Mast | 32 | 82.3 | 260890 | 260890 | 194 |
| | 35 | 81.4 | 253200 | 253200 | 193 |
| | 40 | 79.9 | 223110 | 226390 | 193 |
| | 50 | 76.8 | 165460 | 167700 | 191 |
| | 60 | 73.6 | 130460 | 132140 | 188 |
| | 70 | 70.5 | 107000 | 108350 | 185 |
| | 80 | 67.2 | 89820 | 90930 | 181 |
| | 90 | 63.9 | 77260 | 78210 | 177 |
| | 100 | 60.5 | 67140 | 67970 | 172 |
| | 110 | 56.9 | 59020 | 59750 | 166 |
| | 120 | 53.2 | 52350 | 53010 | 159 |
| | 130 | 49.3 | 46790 | 47380 | 151 |
| | 140 | 45.2 | 42070 | 42610 | 142 |
| | 150 | 40.7 | 38310 | 38810 | 131 |
| | 160 | 35.8 | 34770 | 35240 | 119 |
| 170 | 30.2 | 31680 | 32110 | 103 | |
| 180 | 23.4 | 28940 | 29340 | 83 | |
| 190 | 13.7 | 26490 | 26870 | 53 | |
| 200' Boom & 100' Mast | 33 | 82.4 | 238720 | 238720 | 204 |
| | 35 | 81.8 | 227490 | 227490 | 203 |
| | 40 | 80.4 | 222800 | 226080 | 203 |
| | 50 | 77.4 | 165140 | 167380 | 201 |
| | 60 | 74.5 | 130140 | 131830 | 198 |
| | 70 | 71.5 | 106690 | 108030 | 195 |
| | 80 | 68.4 | 89500 | 90620 | 192 |
| | 90 | 65.3 | 76960 | 77910 | 188 |
| | 100 | 62.1 | 66840 | 67670 | 183 |
| | 110 | 58.8 | 58700 | 59440 | 177 |
| | 120 | 55.4 | 52030 | 52690 | 171 |
| | 130 | 51.8 | 46470 | 47070 | 164 |
| | 140 | 48.0 | 41740 | 42290 | 155 |
| | 150 | 44.0 | 38020 | 38520 | 146 |
| | 160 | 39.7 | 34480 | 34940 | 135 |
| 170 | 34.9 | 31380 | 31810 | 122 | |
| 180 | 29.4 | 28640 | 29050 | 106 | |
| 190 | 22.8 | 26200 | 26590 | 85 | |
| 200 | 13.4 | 24020 | 24360 | 54 | |
| 210' Boom & 130' Mast | 34 | 82.5 | 217840 | 217840 | 214 |
| | 35 | 82.2 | 217840 | 217840 | 214 |
| | 40 | 80.8 | 215610 | 215610 | 213 |
| | 50 | 78.1 | 163600 | 165840 | 211 |
| | 60 | 75.2 | 128770 | 130460 | 209 |
| | 70 | 72.4 | 105460 | 106810 | 206 |
| | 80 | 69.5 | 88340 | 89460 | 203 |
| | 90 | 66.6 | 75880 | 76840 | 199 |
| | 100 | 63.5 | 65790 | 66630 | 194 |
| | 110 | 60.4 | 57700 | 58440 | 189 |
| | 120 | 57.2 | 51060 | 51720 | 183 |
| | 130 | 53.9 | 45510 | 46110 | 176 |
| | 140 | 50.4 | 40810 | 41350 | 169 |
| | 150 | 46.8 | 37120 | 37620 | 160 |
| | 160 | 42.9 | 33610 | 34070 | 150 |
| 170 | 38.7 | 30510 | 30940 | 138 | |
| 180 | 34.0 | 27790 | 28190 | 125 | |
| 190 | 28.7 | 25350 | 25730 | 108 | |
| 200 | 22.2 | 23170 | 23530 | 87 | |
| 210 | 13.0 | 21210 | 21550 | 56 | |
| 220' Boom & 130' Mast | 36 | 82.3 | 194860 | 194860 | 223 |
| | 40 | 81.3 | 194860 | 194860 | 223 |
| | 50 | 78.6 | 163500 | 165750 | 221 |
| | 60 | 75.9 | 128690 | 130380 | 219 |
| | 70 | 73.2 | 105380 | 106730 | 216 |
| | 80 | 70.5 | 88250 | 89370 | 213 |
| | 90 | 67.7 | 75810 | 76760 | 210 |
| | 100 | 64.8 | 65710 | 66540 | 205 |

ASTHA STERLING CRANE

With 92H Boom and 77M Mast; 135,000 Cwt. and 138,000 Trailing Cwt.

| Boom & Mast Length | Radius In Feet | Boom Angle Degrees | Lift Over Side | Lift Over End | Ft. From Boom Point |
|-----------------------------|----------------|--------------------|----------------|---------------|---------------------|
| 220' Boom & 130' Mast cont. | 110 | 61.9 | 57610 | 58340 | 200 |
| | 120 | 58.9 | 50960 | 51620 | 195 |
| | 130 | 55.8 | 45410 | 46010 | 188 |
| | 140 | 52.6 | 40700 | 41250 | 181 |
| | 150 | 49.2 | 37050 | 37550 | 173 |
| | 160 | 45.6 | 33520 | 33990 | 164 |
| | 170 | 41.8 | 30440 | 30870 | 154 |
| | 180 | 37.7 | 27710 | 28110 | 142 |
| | 190 | 33.2 | 25270 | 25650 | 128 |
| | 200 | 28.0 | 23090 | 23450 | 111 |
| | 210 | 21.7 | 21120 | 21460 | 89 |
| 220 | 12.7 | 19340 | 19670 | 57 | |
| 230' Boom & 130' Mast | 37 | 82.4 | 178360 | 178360 | 233 |
| | 40 | 81.6 | 178360 | 178360 | 233 |
| | 50 | 79.1 | 163160 | 165410 | 231 |
| | 60 | 76.6 | 128350 | 130040 | 229 |
| | 70 | 74.0 | 105050 | 106400 | 227 |
| | 80 | 71.4 | 87910 | 89030 | 224 |
| | 90 | 68.7 | 75490 | 76440 | 220 |
| | 100 | 66.0 | 65390 | 66220 | 216 |
| | 110 | 63.2 | 57280 | 58020 | 212 |
| | 120 | 60.4 | 50640 | 51300 | 206 |
| | 130 | 57.5 | 45070 | 45670 | 200 |
| | 140 | 54.5 | 40370 | 40920 | 194 |
| | 150 | 51.3 | 36730 | 37240 | 186 |
| | 160 | 48.0 | 33210 | 33670 | 178 |
| | 170 | 44.6 | 30110 | 30550 | 168 |
| 180 | 40.9 | 27390 | 27790 | 158 | |
| 190 | 36.9 | 24950 | 25330 | 145 | |
| 200 | 32.4 | 22770 | 23130 | 131 | |
| 210 | 27.4 | 20800 | 21140 | 113 | |
| 220 | 21.2 | 19030 | 19350 | 91 | |
| 230 | 12.4 | 17390 | 17700 | 58 | |
| 240' Boom & 130' Mast | 38 | 82.5 | 170030 | 170030 | 243 |
| | 40 | 82.0 | 170030 | 170030 | 243 |
| | 50 | 79.6 | 162680 | 164930 | 242 |
| | 60 | 77.1 | 127870 | 129560 | 240 |
| | 70 | 74.7 | 104580 | 105930 | 237 |
| | 80 | 72.2 | 87440 | 88560 | 234 |
| | 90 | 69.6 | 75020 | 75980 | 231 |
| | 100 | 67.1 | 64920 | 65760 | 227 |
| | 110 | 64.4 | 56810 | 57550 | 223 |
| | 120 | 61.7 | 50150 | 50810 | 218 |
| | 130 | 59.0 | 44600 | 45190 | 212 |
| | 140 | 56.1 | 40340 | 40890 | 206 |
| | 150 | 53.2 | 36280 | 36780 | 199 |
| | 160 | 50.2 | 32750 | 33220 | 191 |
| | 170 | 46.9 | 29660 | 30090 | 182 |
| 180 | 43.6 | 26920 | 27330 | 172 | |
| 190 | 40.0 | 24490 | 24870 | 161 | |
| 200 | 36.0 | 22310 | 22670 | 149 | |
| 210 | 31.7 | 20340 | 20680 | 134 | |
| 220 | 26.8 | 18560 | 18880 | 116 | |
| 230 | 20.8 | 16930 | 17230 | 93 | |
| 240 | 12.2 | 15450 | 15700 | 59 | |
| 250' Boom & 130' Mast | 40 | 82.3 | 157630 | 157630 | 253 |
| | 50 | 80.0 | 147840 | 147840 | 252 |
| | 60 | 77.6 | 127510 | 129210 | 250 |
| | 70 | 75.3 | 104240 | 105590 | 248 |
| | 80 | 72.9 | 87090 | 88210 | 245 |
| | 90 | 70.5 | 74690 | 75650 | 242 |
| | 100 | 68.0 | 64590 | 65420 | 238 |
| | 110 | 65.5 | 56470 | 57210 | 234 |
| | 120 | 63.0 | 49810 | 50470 | 229 |
| | 130 | 60.4 | 44250 | 44850 | 224 |
| | 140 | 57.7 | 40020 | 40570 | 218 |
| | 150 | 54.9 | 35950 | 36460 | 211 |
| | 160 | 52.0 | 32430 | 32890 | 204 |
| | 170 | 49.1 | 29330 | 29770 | 196 |
| | 180 | 45.9 | 26600 | 27000 | 187 |
| 190 | 42.6 | 24170 | 24550 | 176 | |
| 200 | 39.1 | 21980 | 22340 | 165 | |
| 210 | 35.3 | 20010 | 20330 | 152 | |
| 220 | 31.1 | 18230 | 18370 | 136 | |
| 230 | 26.2 | 16610 | 16610 | 118 | |
| 240 | 20.3 | 15040 | 15040 | 95 | |
| 250 | 11.9 | 13660 | 13660 | 60 | |
| 260' Boom & 130' Mast | 41 | 82.4 | 145730 | 145730 | 263 |
| | 50 | 80.4 | 140340 | 144120 | 262 |
| | 60 | 78.1 | 127000 | 128700 | 260 |
| | 70 | 75.9 | 103750 | 105100 | 258 |
| | 80 | 73.6 | 86580 | 87710 | 255 |
| | 90 | 71.3 | 74210 | 75170 | 252 |
| | 100 | 68.9 | 64100 | 64940 | 249 |

| Boom & Mast Length | Radius In Feet | Boom angle Degrees | Lift Over Side | Lift Over End | Ft. From Boom Point |
|-----------------------------|----------------|--------------------|----------------|---------------|---------------------|
| 260' Boom & 130' Mast cont. | 110 | 66.5 | 55980 | 56720 | 245 |
| | 120 | 64.1 | 49320 | 49980 | 240 |
| | 130 | 61.6 | 43750 | 44350 | 235 |
| | 140 | 59.1 | 39550 | 40100 | 229 |
| | 150 | 56.5 | 35490 | 36000 | 223 |
| | 160 | 53.8 | 31960 | 32420 | 216 |
| | 170 | 51.0 | 28860 | 29300 | 209 |
| | 180 | 48.0 | 26130 | 26540 | 200 |
| | 190 | 45.0 | 23690 | 24070 | 191 |
| | 200 | 41.8 | 21510 | 21740 | 180 |
| | 210 | 38.3 | 19540 | 19540 | 168 |
| 220 | 34.6 | 17580 | 17580 | 155 | |
| 230 | 30.4 | 15800 | 15800 | 139 | |
| 240 | 25.7 | 14210 | 14210 | 120 | |
| 250 | 19.9 | 12780 | 12780 | 97 | |
| 260 | 11.7 | 11540 | 11540 | 61 | |
| 270' Boom & 150' Mast | 42 | 82.5 | 126750 | 126750 | 273 |
| | 50 | 80.7 | 126750 | 126750 | 272 |
| | 60 | 78.6 | 123750 | 123750 | 270 |
| | 70 | 76.4 | 103010 | 104370 | 268 |
| | 80 | 74.2 | 85910 | 87030 | 266 |
| | 90 | 72.0 | 73600 | 74560 | 263 |
| | 100 | 69.7 | 63520 | 64360 | 259 |
| | 110 | 67.4 | 55430 | 56170 | 255 |
| | 120 | 65.1 | 48790 | 49460 | 251 |
| | 130 | 62.8 | 43250 | 43850 | 246 |
| | 140 | 60.3 | 39080 | 39630 | 241 |
| | 150 | 57.9 | 35040 | 35550 | 235 |
| | 160 | 55.3 | 31520 | 31990 | 228 |
| | 170 | 52.7 | 28450 | 28880 | 221 |
| | 180 | 49.9 | 25730 | 26130 | 213 |
| 190 | 47.1 | 23300 | 23690 | 205 | |
| 200 | 44.1 | 21130 | 21490 | 195 | |
| 210 | 40.9 | 19180 | 19520 | 184 | |
| 220 | 37.6 | 17410 | 17730 | 172 | |
| 230 | 33.9 | 15800 | 15910 | 158 | |
| 240 | 29.8 | 14260 | 14260 | 142 | |
| 250 | 25.2 | 12760 | 12760 | 123 | |
| 260 | 19.5 | 11410 | 11410 | 98 | |
| 270 | 11.4 | 10220 | 10220 | 62 | |
| 280' Boom & 150' Mast | 44 | 82.3 | 118300 | 118300 | 283 |
| | 50 | 81.1 | 118300 | 118300 | 282 |
| | 60 | 79.0 | 115790 | 115790 | 280 |
| | 70 | 76.9 | 102660 | 104010 | 278 |
| | 80 | 74.8 | 85540 | 86670 | 276 |
| | 90 | 72.6 | 73250 | 74210 | 273 |
| | 100 | 70.5 | 63170 | 64000 | 270 |
| | 110 | 68.3 | 55080 | 55820 | 266 |
| | 120 | 66.1 | 48430 | 49100 | 262 |
| | 130 | 63.8 | 42890 | 43490 | 257 |
| | 140 | 61.5 | 38750 | 39300 | 252 |
| | 150 | 59.1 | 34700 | 35200 | 247 |
| | 160 | 56.7 | 31190 | 31660 | 240 |
| | 170 | 54.2 | 28100 | 28540 | 234 |
| | 180 | 51.6 | 25380 | 25790 | 226 |
| 190 | 49.0 | 22950 | 23340 | 218 | |
| 200 | 46.2 | 20780 | 21140 | 209 | |
| 210 | 43.3 | 18820 | 19160 | 199 | |
| 220 | 40.2 | 17050 | 17150 | 188 | |
| 230 | 36.9 | 15320 | 15320 | 175 | |
| 240 | 33.3 | 13660 | 13660 | 161 | |
| 250 | 29.3 | 12150 | 12150 | 145 | |
| 260 | 24.7 | 10790 | 10790 | 125 | |
| 270 | 19.2 | 9550 | 9550 | 100 | |
| 280 | 11.2 | 8470 | 8470 | 63 | |
| 290' Boom & 150' Mast | 45 | 82.4 | 114560 | 114560 | 293 |
| | 50 | 81.4 | 114560 | 114560 | 292 |
| | 60 | 79.4 | 111400 | 112020 | 291 |
| | 70 | 77.4 | 102190 | 103540 | 289 |
| | 80 | 75.3 | 85060 | 86190 | 286 |
| | 90 | 73.3 | 72790 | 73750 | 283 |
| | 100 | 71.2 | 62700 | 63530 | 280 |
| | 110 | 69.1 | 54600 | 55340 | 277 |
| | 120 | 66.9 | 47950 | 48610 | 273 |
| | 130 | 64.8 | 42410 | 43010 | 268 |
| | 140 | 62.6 | 38290 | 38840 | 264 |
| | 150 | 60.3 | 34230 | 34740 | 258 |
| | 160 | 58.0 | 30720 | 31190 | 252 |
| | 170 | 55.6 | 27630 | 28070 | 246 |
| | 180 | 53.2 | 24910 | 25320 | 239 |
| 190 | 50.7 | 22490 | 22870 | 231 | |
| 200 | 48.1 | 20320 | 20650 | 223 | |
| 210 | 45.3 | 18360 | 18410 | 213 | |
| 220 | 42.5 | 16390 | 16390 | 203 | |

ASTHA STERLING CRANE

With 92H Boom and 77M Mast; 135,000 Cwt. and 138,000 Trailing Cwt.

| Boom & Mast Length | Radius In Feet | Boom Angle Degrees | Lift Over Side | Lift Over End | Ft. From Boom Point |
|-----------------------------|----------------|--------------------|----------------|---------------|---------------------|
| 290' Boom & 150' Mast cont. | 230 | 39.4 | 14560 | 14560 | 191 |
| | 240 | 36.2 | 12900 | 12900 | 179 |
| | 250 | 32.7 | 11380 | 11380 | 164 |
| | 260 | 28.8 | 10010 | 10010 | 147 |
| | 270 | 24.3 | 8760 | 8760 | 127 |
| | 280 | 18.8 | 7630 | 7630 | 102 |
| 300' Boom & 150' Mast | 290 | 11.0 | 6650 | 6650 | 64 |
| | 46 | 82.4 | 106690 | 106690 | 303 |
| | 50 | 81.7 | 106690 | 106690 | 302 |
| | 60 | 79.7 | 106690 | 106690 | 301 |
| | 70 | 77.8 | 101820 | 103180 | 299 |
| | 80 | 75.8 | 84680 | 85810 | 297 |
| | 90 | 73.8 | 72430 | 73400 | 294 |
| | 100 | 71.8 | 62330 | 63170 | 291 |
| | 110 | 69.8 | 54240 | 54980 | 287 |
| | 120 | 67.8 | 47580 | 48240 | 284 |
| | 130 | 65.7 | 42030 | 42630 | 279 |
| | 140 | 63.6 | 37950 | 38500 | 275 |
| | 150 | 61.4 | 33890 | 34400 | 270 |
| | 160 | 59.2 | 30370 | 30840 | 264 |
| | 170 | 56.9 | 27290 | 27730 | 258 |
| | 180 | 54.6 | 24560 | 24970 | 251 |
| | 190 | 52.2 | 22140 | 22520 | 244 |
| | 200 | 49.8 | 19960 | 20050 | 236 |
| | 210 | 47.2 | 17810 | 17810 | 227 |
| | 220 | 44.5 | 15790 | 15790 | 217 |
| | 230 | 41.7 | 13960 | 13960 | 207 |
| | 240 | 38.7 | 12300 | 12300 | 195 |
| | 250 | 35.6 | 10780 | 10780 | 182 |
| | 260 | 32.1 | 9400 | 9400 | 167 |
| 270 | 28.3 | 8140 | 8140 | 150 | |
| 280 | 23.9 | 6990 | 6990 | 129 | |
| 290 | 18.5 | 5950 | 5950 | 103 | |
| 300 | 10.8 | 5060 | 5060 | 65 | |
| 310' Boom & 180' Mast | 48 | 82.3 | 98310 | 98310 | 313 |
| | 50 | 81.9 | 98310 | 98310 | 312 |
| | 60 | 80.1 | 98310 | 98310 | 311 |
| | 70 | 78.2 | 98310 | 98310 | 309 |
| | 80 | 76.3 | 84270 | 85400 | 307 |
| | 90 | 74.4 | 72040 | 73000 | 304 |
| | 100 | 72.4 | 61940 | 62780 | 301 |
| | 110 | 70.5 | 53830 | 54570 | 298 |
| | 120 | 68.5 | 47170 | 47830 | 294 |
| | 130 | 66.5 | 41610 | 42210 | 290 |
| | 140 | 64.5 | 37540 | 38090 | 286 |
| | 150 | 62.4 | 33480 | 33990 | 281 |
| | 160 | 60.3 | 29950 | 30420 | 276 |
| | 170 | 58.1 | 26860 | 27300 | 270 |
| | 180 | 55.9 | 24130 | 24530 | 263 |
| | 190 | 53.7 | 21690 | 22080 | 256 |
| | 200 | 51.3 | 19510 | 19880 | 249 |
| | 210 | 48.9 | 17550 | 17890 | 240 |
| | 220 | 46.4 | 15770 | 15900 | 231 |
| | 230 | 43.8 | 14030 | 14030 | 221 |
| | 240 | 41.0 | 12330 | 12330 | 210 |
| | 250 | 38.1 | 10770 | 10770 | 198 |
| | 260 | 35.0 | 9360 | 9360 | 185 |
| | 270 | 31.6 | 8060 | 8060 | 170 |
| 280 | 27.8 | 6860 | 6860 | 152 | |
| 290 | 23.5 | 5780 | 5780 | 131 | |
| 300 | 18.2 | 4740 | 4740 | 105 | |
| 310 | 10.7 | 3480 | 3480 | 66 | |
| 320' Boom & 180' Mast | 49 | 82.4 | 93410 | 93410 | 323 |
| | 50 | 82.2 | 93410 | 93410 | 322 |
| | 60 | 80.4 | 93410 | 93410 | 321 |
| | 70 | 78.6 | 90620 | 90620 | 319 |
| | 80 | 76.7 | 84030 | 85160 | 317 |
| | 90 | 74.9 | 71820 | 72780 | 315 |
| | 100 | 73.0 | 61710 | 62550 | 312 |
| | 110 | 71.1 | 53610 | 54350 | 309 |
| | 120 | 69.2 | 46940 | 47610 | 305 |
| | 130 | 67.3 | 41380 | 41990 | 301 |
| | 140 | 65.3 | 37340 | 37890 | 297 |
| | 150 | 63.3 | 33270 | 33780 | 292 |
| | 160 | 61.3 | 29750 | 30220 | 287 |
| | 170 | 59.2 | 26660 | 27090 | 281 |
| | 180 | 57.1 | 23920 | 24330 | 275 |
| | 190 | 55.0 | 21490 | 21870 | 269 |
| | 200 | 52.7 | 19310 | 19670 | 261 |
| | 210 | 50.4 | 17340 | 17550 | 253 |
| | 220 | 48.1 | 15490 | 15490 | 245 |
| | 230 | 45.6 | 13630 | 13630 | 236 |
| | 240 | 43.0 | 11930 | 11930 | 225 |
| | 250 | 40.3 | 10380 | 10380 | 214 |

| Boom & Mast Length | Radius In Feet | Boom Angle Degrees | Lift Over Side | Lift Over End | Ft. From Boom Point |
|-----------------------------|----------------|--------------------|----------------|---------------|---------------------|
| 320' Boom & 180' Mast cont. | 260 | 37.5 | 8960 | 8960 | 202 |
| | 270 | 34.4 | 7650 | 7650 | 188 |
| | 280 | 31.0 | 6450 | 6450 | 173 |
| | 290 | 27.3 | 5360 | 5360 | 155 |
| | 300 | 23.1 | 4360 | 4360 | 133 |
| | 310 | 17.9 | 3450 | 3450 | 106 |
| 330' Boom & 180' Mast | 50 | 82.4 | 87600 | 87600 | 333 |
| | 60 | 80.7 | 87600 | 87600 | 331 |
| | 70 | 78.9 | 87360 | 87600 | 329 |
| | 80 | 77.1 | 83630 | 84330 | 327 |
| | 90 | 75.3 | 71440 | 72400 | 325 |
| | 100 | 73.5 | 61330 | 62170 | 322 |
| | 110 | 71.7 | 53220 | 53970 | 319 |
| | 120 | 69.9 | 46560 | 47220 | 316 |
| | 130 | 68.0 | 41000 | 41600 | 312 |
| | 140 | 66.1 | 36980 | 37530 | 308 |
| | 150 | 64.2 | 32920 | 33420 | 303 |
| | 160 | 62.3 | 29390 | 29860 | 298 |
| | 170 | 60.3 | 26290 | 26730 | 293 |
| | 180 | 58.2 | 23560 | 23970 | 287 |
| | 190 | 56.2 | 21120 | 21510 | 281 |
| | 200 | 54.1 | 18940 | 19190 | 274 |
| | 210 | 51.9 | 16930 | 16930 | 266 |
| | 220 | 49.6 | 14870 | 14870 | 258 |
| | 230 | 47.3 | 13000 | 13000 | 249 |
| | 240 | 44.9 | 11310 | 11310 | 240 |
| | 250 | 42.3 | 9750 | 9750 | 229 |
| | 260 | 39.7 | 8330 | 8330 | 218 |
| | 270 | 36.9 | 7030 | 7030 | 205 |
| | 280 | 33.8 | 5830 | 5830 | 191 |
| 290 | 30.6 | 4730 | 4730 | 175 | |
| 300 | 26.9 | 3710 | 3710 | 157 | |
| 310 | 22.7 | 0 | 2790 | 135 | |
| 340' Boom & 180' Mast | 51 | 82.5 | 85090 | 85090 | 343 |
| | 60 | 81.0 | 85090 | 85090 | 341 |
| | 70 | 79.2 | 85090 | 85090 | 340 |
| | 80 | 77.5 | 81760 | 81760 | 338 |
| | 90 | 75.8 | 70960 | 71930 | 335 |
| | 100 | 74.0 | 60860 | 61700 | 333 |
| | 110 | 72.3 | 52740 | 53480 | 330 |
| | 120 | 70.5 | 46070 | 46740 | 326 |
| | 130 | 68.7 | 40510 | 41120 | 323 |
| | 140 | 66.9 | 36510 | 37070 | 319 |
| | 150 | 65.0 | 32450 | 32960 | 314 |
| | 160 | 63.1 | 28920 | 29390 | 310 |
| | 170 | 61.2 | 25830 | 26270 | 304 |
| | 180 | 59.3 | 23100 | 23510 | 299 |
| | 190 | 57.3 | 20660 | 20950 | 293 |
| | 200 | 55.3 | 18430 | 18430 | 286 |
| | 210 | 53.2 | 16170 | 16170 | 279 |
| | 220 | 51.0 | 14110 | 14110 | 271 |
| | 230 | 48.8 | 12240 | 12240 | 263 |
| | 240 | 46.5 | 10540 | 10540 | 254 |
| | 250 | 44.2 | 9000 | 9000 | 244 |
| | 260 | 41.7 | 7570 | 7570 | 233 |
| | 270 | 39.1 | 6270 | 6270 | 221 |
| | 280 | 36.3 | 5060 | 5060 | 209 |
| 290 | 33.3 | 3950 | 3950 | 194 | |
| 300 | 30.1 | 2940 | 2940 | 178 | |
| 350' Boom & 180' Mast | 53 | 82.4 | 80200 | 80200 | 352 |
| | 60 | 81.2 | 80200 | 80200 | 351 |
| | 70 | 79.6 | 80200 | 80200 | 350 |
| | 80 | 77.9 | 72110 | 74480 | 348 |
| | 90 | 76.2 | 67620 | 67620 | 346 |
| | 100 | 74.5 | 60470 | 61310 | 343 |
| | 110 | 72.8 | 52350 | 53090 | 340 |
| | 120 | 71.1 | 45680 | 46350 | 337 |
| | 130 | 69.3 | 40120 | 40720 | 333 |
| | 140 | 67.6 | 36150 | 36700 | 330 |
| | 150 | 65.8 | 32090 | 32600 | 325 |
| | 160 | 64.0 | 28560 | 29030 | 321 |
| | 170 | 62.1 | 25460 | 25900 | 316 |
| | 180 | 60.3 | 22720 | 23130 | 310 |
| | 190 | 58.3 | 20290 | 20320 | 304 |
| | 200 | 56.4 | 17800 | 17800 | 298 |
| | 210 | 54.4 | 15540 | 15540 | 291 |
| | 220 | 52.4 | 13480 | 13480 | 284 |
| | 230 | 50.3 | 11620 | 11620 | 276 |
| | 240 | 48.1 | 9920 | 9920 | 267 |
| | 250 | 45.8 | 8370 | 8370 | 258 |
| | 260 | 43.5 | 6950 | 6950 | 248 |
| | 270 | 41.0 | 5640 | 5640 | 237 |
| | 280 | 38.5 | 4430 | 4430 | 225 |
| 290 | 35.7 | 3320 | 3320 | 212 | |
| 300 | 32.8 | 0 | 2310 | 197 | |

SKY HORSE RATING DATA

Load ratings are in pounds and do not exceed 75% of tipping with crane standing level on firm uniformly supporting surface. Safe loads depend on ground conditions, boom lengths, radius of operation, and proper handling, all of which must be taken into consideration by user. Blocks, slings, buckets, and other load carrying devices are considered part of the load. The weight of standard hoisting rope has been calculated as part of the boom point load and need not be considered in determining net allowable loads. Retractable A-frame must be in fully raised position for all ratings.

Lifting is approved only in those areas for which ratings are shown in the rating chart. Ratings in bolded areas are based on structural limitations rather than stability. All ratings are with side frames extended.

"Radius in feet" is the horizontal distance at crane base level from center pin to a vertical line through the center of gravity of the suspended load.

Boom suspension line is 1-1/8 inch diameter with minimum breaking strength of 130,000 lbs. Boom suspension pendants are 1-3/4 inch diameter with minimum breaking strength of 306,000 lbs.

Mast suspension line is 7/8 inch diameter with minimum breaking strength of 79,600 lbs. Mast suspension pendants are 1-3/8 inch diameter with minimum breaking strength of 208,000 lbs. Counterweight suspension pendants are 1-1/8 inch diameter with minimum breaking strength of 140,600 lbs.

*Load hoisting data based on machine with controlled load lowering and main load line of 1-1/8 inch diameter with minimum breaking strength of 130,000 lbs. (rope A) or 143,000 lbs. (rope B).

DESIGNED AND RATED TO COMPLY WITH ANSI CODE B30.5.

ERECTION: Crane will self-erect, over the long end of crawler base with tumblers blocked, a maximum of: 350 ft. of boom plus 60 ft. of No. 16HL jib, or 340 ft. of boom plus 100 ft. of No. 16HL jib.

For boom lengths of 310 ft. and longer, 4 boom point sheaves must be removed.

LOAD HOISTING DATA*

| Maximum Lifting Capacity-Rope B | Maximum Lifting Capacity-Rope A | Minimum Pts. of Line | Maximum Hoisting Distance - Ft. | |
|---------------------------------|---------------------------------|----------------------|---------------------------------|------------|
| | | | Aux. CLL - L. H. | Third Drum |
| 330,000 | 330,000 | 10 | 44 | 143 |
| 327,000 | 297,120 | 8 | 55 | 179 |
| 245,000 | 222,840 | 6 | 74 | 239 |
| 163,500 | 148,560 | 4 | 111 | 359 |
| 81,750 | 74,280 | 2 | 222 | 718 |

92H BOOM COMPOSITION

| Boom Length (Feet) | 30 Ft. 92H Inner | 20 Ft 92H Base | 50 Ft. 92xH Center | 10 Ft. 92H Center | 50 Ft 92H Center | 40 Ft. 92H Outer |
|--------------------|------------------|----------------|--------------------|-------------------|------------------|------------------|
| 150 | 1 | 1 | 1 | 1 | - | 1 |
| 160 | 1 | 2 | 1 | - | - | 1 |
| 170 | 1 | - | 1 | - | 1 | 1 |
| 180 | 1 | - | 1 | 1 | 1 | 1 |
| 190 | 1 | 1 | 1 | - | 1 | 1 |
| 200 | 1 | 1 | 1 | 1 | 1 | 1 |
| 210 | 1 | 2 | 1 | - | 1 | 1 |
| 220 | 1 | - | 1 | - | 2 | 1 |
| 230 | 1 | - | 1 | 1 | 2 | 1 |
| 240 | 1 | 1 | 1 | - | 2 | 1 |
| 250 | 1 | 1 | 1 | 1 | 2 | 1 |
| 260 | 1 | 2 | 1 | - | 2 | 1 |
| 270 | 1 | - | 1 | - | 3 | 1 |
| 280 | 1 | - | 1 | 1 | 3 | 1 |
| 290 | 1 | 1 | 1 | - | 3 | 1 |
| 300 | 1 | 1 | 1 | 1 | 3 | 1 |
| 310 | 1 | 2 | 1 | - | 3 | 1 |
| 320 | 1 | - | 1 | - | 4 | 1 |
| 330 | 1 | - | 1 | 1 | 4 | 1 |
| 340 | 1 | 1 | 1 | - | 4 | 1 |
| 350 | 1 | 1 | 1 | 1 | 4 | 1 |

77M MAST COMPOSITION

| Mast Length (Feet) | 30 Ft. 77M Inner | 20 Ft. 77M Center | 10 Ft. 77S Center | 20 Ft. 77S Center | 50 Ft. 77S Center | 50 Ft. 77M Outer |
|--------------------|------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| 100 | 1 | 1 | - | - | - | 1 |
| 130 | 1 | 1 | 1 | 1 | - | 1 |
| 150 | 1 | 1 | - | - | 1 | 1 |
| 180 | 1 | 1 | 1 | 1 | 1 | 1 |

ASTHA STERLING CRANE

