



**TMS865 65 TON CAPACITY  
36 ft. - 146 ft. BOOM  
(POWER PINNED FLY)**

PCSA CLASS 10-252

**GROVE®  
FULL HYDRAULIC  
CARRIER-MOUNTED CRAN**

**RATED LIFTING CAPACITIES IN POUNDS**

**ON OUTRIGGERS FULLY EXTENDED - 360°**

| Radius in Feet  | Main Boom Length in Feet (Power Pinned Fly Retracted) |                   |                   |                  |                  |                  |                  |                  |                  | 114             | 119 | 146 |     |     |
|---|---|-------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|-----|-----|-----|-----|
|   | 36  | 43                | 52                | 60               | 68               | 76               | 82               | 87               |                  |                 |     |     |     |     |
| 10  | 130,000<br>(67)                                       | 106,700<br>(71.5) | 101,600<br>(74.5) | 100,000<br>(77)  | 96,700<br>(79)   |                  |                  |                  |                  |                 |     |     |     |     |
| 12  | 123,500<br>(63)                                       | 106,700<br>(68.5) | 101,600<br>(72)   | 96,500<br>(75)   | 87,850<br>(78.5) | 84,000           |                  |                  |                  |                 |     |     |     |     |
| 15  | 105,000<br>(57.5)                                     | 105,000<br>(68)   | 95,500<br>(72)    | 84,900<br>(74.5) | 75,180<br>(76)   | 77,500<br>(77.5) | 70,250<br>(79)   | 64,500           |                  |                 |     |     |     |     |
| 20  | 78,850<br>(42)  | 78,850<br>(56.5)  | 78,850<br>(62.5)  | 70,450<br>(65.5) | 64,310<br>(72)   | 63,200<br>(73)   | 60,400<br>(75.5) | 58,000<br>(60)   | 38,750<br>(29.5) |                 |     |     |     |     |
| 25  | 69,000<br>(34)  | 60,500<br>(43)    | 60,000<br>(55.5)  | 60,000<br>(61)   | 54,800<br>(65.5) | 49,700<br>(67.5) | 45,600<br>(72)   | 34,000<br>(27)   | 21,300<br>(16)   | 32,500          |     |     |     |     |
| 30  |   | 46,600<br>(38)    | 48,500<br>(46.5)  | 46,500<br>(55.5) | 46,500<br>(60.5) | 42,500<br>(66.5) | 39,100<br>(74.5) | 30,300<br>(24.5) | 19,500<br>(15.5) | 21,200          |     |     |     |     |
| 35  |   | 33,840<br>(24.5)  | 33,340<br>(40.5)  | 33,840<br>(49.5) | 33,840<br>(59.5) | 33,840<br>(68.5) | 33,840<br>(77)   | 27,200<br>(21.5) | 17,900<br>(14)   | 18,300          |     |     |     |     |
| 40  |   |                   | 25,210<br>(30.5)  | 25,210<br>(42.5) | 25,210<br>(54)   | 25,210<br>(65.5) | 25,210<br>(77)   | 24,750<br>(20.5) | 16,600<br>(13)   | 16,900          |     |     |     |     |
| 45  | See Warning Note 12                                   |                   | 20,340<br>(21.5)  | 20,340<br>(34.5) | 20,340<br>(47)   | 20,340<br>(59.5) | 20,340<br>(72)   | 22,500<br>(19.5) | 15,500<br>(12.5) | 14,620          |     |     |     |     |
| 50  |   |                   | 16,250<br>(24)    | 16,250<br>(37.5) | 16,250<br>(50.5) | 16,250<br>(63.5) | 16,250<br>(76.5) | 14,500<br>(12)   | 11,750<br>(9.5)  | 11,750          |     |     |     |     |
| 60  |   |                   | 10,370<br>(17.5)  | 10,370<br>(30.5) | 10,370<br>(43.5) | 10,370<br>(56.5) | 12,850<br>(70.5) | 11,440<br>(9.5)  | 8,440<br>(6.5)   | 8,440           |     |     |     |     |
| 70  |   |                   |                   | 6,250<br>(10)    | 6,250<br>(23)    | 6,250<br>(36)    | 6,250<br>(49)    | 4,980<br>(31.5)  | 3,980<br>(24.5)  | 3,980           |     |     |     |     |
| 80  |   |                   |                   | 3,230<br>(4)     | 6,400<br>(17)    | 6,530<br>(30)    | 6,530<br>(43)    | 4,980<br>(31.5)  | 3,980<br>(24.5)  | 3,980           |     |     |     |     |
| 90  |   |                   |                   |                  | 4,210<br>(11)    | 4,380<br>(24)    | 4,550<br>(37)    | 4,550<br>(50)    | 3,510<br>(27.5)  | 2,510<br>(20.5) |     |     |     |     |
| 100   |   |                   |                   |                  |                  | 2,450<br>(3)     | 2,620<br>(16)    | 2,620<br>(29)    | 2,310<br>(18.5)  | 1,310<br>(11.5) |     |     |     |     |
| 110   |   |                   |                   |                  |                  |                  | 1,390<br>(2)     | 1,390<br>(15.5)  | 1,300<br>(10)    | 1,300<br>(13.5) |     |     |     |     |
| 120   |   |                   |                   |                  |                  |                  |                  | 1,220<br>(1)     | 1,220<br>(9.5)   | 1,220<br>(12.5) |     |     |     |     |
| Min. boom angle (deg.) for indicated length (no load)   |   |                   |                   |                  |                  |                  |                  |                  |                  |                 | 0   | 0   | 0   |     |
| Max. boom length (ft.) at 0 degree boom angle (no load) |   |                   |                   |                  |                  |                  |                  |                  |                  |                 | 87  | 114 | 119 | 146 |

NOTE: Boom angles are in degrees. AG-829-004499A & 004502

**ON OUTRIGGERS FULLY EXTENDED - OVER REAR**

| Radius in Feet  | Main Boom Length in Feet (Power Pinned Fly Retracted) |                   |                   |                  |                  |                  |                  |                  | 114              | 119                | 146 |     |     |     |
|---|---|-------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|-----|-----|-----|-----|
|   | 36  | 43                | 52                | 60               | 68               | 76               | 82               | 87               |                  |                    |     |     |     |     |
| 10  | 130,000<br>(67)                                       | 106,700<br>(71.5) | 101,600<br>(74.5) | 100,000<br>(77)  | 96,700<br>(79)   |                  |                  |                  |                  |                    |     |     |     |     |
| 12  | 123,500<br>(63)                                       | 106,700<br>(68.5) | 101,600<br>(72)   | 96,500<br>(75)   | 87,850<br>(78.5) | 84,000           |                  |                  |                  |                    |     |     |     |     |
| 15  | 105,000<br>(57.5)                                     | 105,000<br>(68)   | 95,500<br>(72)    | 84,900<br>(74.5) | 75,180<br>(76)   | 77,500<br>(77.5) | 70,250<br>(79)   | 64,500<br>(50)   |                  |                    |     |     |     |     |
| 20  | 78,850<br>(42)  | 78,850<br>(56.5)  | 78,850<br>(62.5)  | 70,450<br>(65.5) | 64,310<br>(72)   | 63,200<br>(73)   | 60,400<br>(75.5) | 58,000<br>(60)   | 38,750<br>(29.5) | 23,600<br>(19.5)   |     |     |     |     |
| 25  | 69,000<br>(34)  | 60,500<br>(43)    | 60,000<br>(55.5)  | 60,000<br>(61)   | 54,800<br>(65.5) | 49,700<br>(67.5) | 45,600<br>(72)   | 34,000<br>(27)   | 21,300<br>(16)   | 32,500<br>(25.500) |     |     |     |     |
| 30  |   | 46,600<br>(38)    | 48,500<br>(46.5)  | 46,500<br>(55.5) | 46,500<br>(60.5) | 42,500<br>(66.5) | 39,100<br>(74.5) | 30,300<br>(24.5) | 19,500<br>(15.5) | 21,200<br>(16.500) |     |     |     |     |
| 35  |   | 33,840<br>(24.5)  | 33,340<br>(40.5)  | 33,840<br>(49.5) | 33,840<br>(59.5) | 33,840<br>(68.5) | 33,840<br>(77)   | 27,200<br>(21.5) | 17,900<br>(14)   | 18,300<br>(14.500) |     |     |     |     |
| 40  |   |                   | 25,210<br>(30.5)  | 25,210<br>(42.5) | 25,210<br>(54)   | 25,210<br>(65.5) | 25,210<br>(77)   | 24,750<br>(20.5) | 16,600<br>(13)   | 16,900<br>(13.500) |     |     |     |     |
| 45  | See Warning Note 12                                   |                   | 20,340<br>(21.5)  | 20,340<br>(34.5) | 20,340<br>(47)   | 20,340<br>(59.5) | 20,340<br>(72)   | 22,500<br>(19.5) | 15,500<br>(12.5) | 14,620<br>(12.500) |     |     |     |     |
| 50  |   |                   | 16,250<br>(24)    | 16,250<br>(37.5) | 16,250<br>(50.5) | 16,250<br>(63.5) | 16,250<br>(76.5) | 14,500<br>(12)   | 11,750<br>(9.5)  | 11,750<br>(12.500) |     |     |     |     |
| 60  |   |                   | 10,370<br>(17.5)  | 10,370<br>(30.5) | 10,370<br>(43.5) | 10,370<br>(56.5) | 12,850<br>(70.5) | 11,440<br>(9.5)  | 8,440<br>(6.5)   | 8,440<br>(11.450)  |     |     |     |     |
| 70  |   |                   |                   | 6,250<br>(10)    | 6,250<br>(23)    | 6,250<br>(36)    | 6,250<br>(49)    | 4,980<br>(31.5)  | 3,980<br>(24.5)  | 3,980<br>(11.500)  |     |     |     |     |
| 80  |   |                   |                   | 3,230<br>(4)     | 6,400<br>(17)    | 6,530<br>(30)    | 6,530<br>(43)    | 4,980<br>(31.5)  | 3,980<br>(24.5)  | 3,980<br>(11.500)  |     |     |     |     |
| 90  |   |                   |                   |                  | 4,210<br>(11)    | 4,380<br>(24)    | 4,550<br>(37)    | 4,550<br>(50)    | 3,510<br>(27.5)  | 2,510<br>(20.5)    |     |     |     |     |
| 100   |   |                   |                   |                  | 2,450<br>(3)     | 2,620<br>(16)    | 2,620<br>(29)    | 2,620<br>(42)    | 2,310<br>(18.5)  | 1,310<br>(11.5)    |     |     |     |     |
| 110   |   |                   |                   |                  |                  | 1,390<br>(2)     | 1,390<br>(15.5)  | 1,390<br>(28)    | 1,300<br>(10)    | 1,300<br>(13.5)    |     |     |     |     |
| 120   |   |                   |                   |                  |                  |                  |                  | 1,220<br>(1)     | 1,220<br>(9.5)   | 1,220<br>(12.5)    |     |     |     |     |
| 130   |   |                   |                   |                  |                  |                  |                  |                  |                  | 1,720<br>(13)      |     |     |     |     |
| Min. boom angle (deg.) for indicated length (no load)   |   |                   |                   |                  |                  |                  |                  |                  |                  |                    | 0   | 0   | 0   |     |
| Max. boom length (ft.) at 0 degree boom angle (no load) |   |                   |                   |                  |                  |                  |                  |                  |                  |                    | 87  | 114 | 119 | 146 |

NOTE: Boom angles are in degrees. AG-829-004499A & 004502