



# **GROVE®**

## **GRT780**

**Capacity:** 80 USt (80 t)

**Main boom:** 155 ft (47,3 m)

**Maximum boom extension:** 33 ft - 56 ft (10,1 m - 17,1 m)

**Maximum tip height:** 220 ft (67 m)

**Best-in-class reach and lifting**

155 ft (47,3 m) five-section, full power MEGAFORM boom. Fast and simple operation, combined with best in class reach and lifting performance.

**Versatile counterweight options**

17,500 lb (7938 kg) or 20,500 lb (9299 kg) counterweight options combine maximum capacities with easy transportability. Hydraulically removable counterweight option available.

**Quick erection and added versatility**

35 – 56 ft (10,1 – 17,1 m)  
Bi-fold swingaway extension.

**Convenient setup and rigging**

New carrier design with flat aluminum decking, increased storage & full LED lighting package.

**Increased capacity**

MAXbase variable outrigger positioning system for increased lift capacities and easy access to any jobsite.

**Tech to maximize uptime**

Grove's oCSI and Connect fleet management system provide on board diagnostics as well as remote monitoring.

**Easy transportation**

Compact dimensions, under 10 ft (3 m) wide & lightweight GVW – easy transportation to the job & excellent maneuverability once on site.

**Maximum comfort**

New wider, full vision cab with 20° cab tilt and CCS 1+ with 12-inch touch screen display for intuitive operation.

# GRT 780

## CCS 1+

- The same Crane Control System you've come to expect on Grove Rough Terrain cranes, now on a single 12 inch (30.5 cm) touchscreen display
- Simple, intuitive functionality for quick set-up and enhanced operation
- New driving mode includes steering indication, fore and aft as well as side to side slope indication, travel speed and more

## MAXbase

- Asymmetrical outrigger positioning systems that allows for maximum accessibility on any jobsite
- Provides increased capacities vs. standard 360° load charts for increased utilization & lower project costs
- Panorama view via the CCS display provides real time visual feedback to the operator with built in function stops when limits reached

## oCSI

- Enhanced diagnostics and monitoring systems for easy serviceability
- On-board monitoring of all hydraulic pressures from the cab
- On-board calibration of sensors via use of day code

## Grove CONNECT

- Telematics system that provides easy access to your complete fleet in real time
- View live crane activity, configuration, RCL data, GPS, faults, hours and more
- Create reports based around maintenance programs, crane utilization, crane performance, software status, maintenance alerts, etc.
- Manage fleets with automatic maintenance alerts, service-related observations, and parts ordering before dispatch

|                                                                                   |                |                                                                                   |           |                                                                                   |        |                                                                                     |      |
|-----------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|------|
|  | 39 ft – 155 ft |  | 20,500 lb |  | 100%   |  | 360° |
|  |                |                                                                                   |           |  | Pounds |                                                                                     |      |

| Radius<br>(ft) | Main Boom Length (ft) |        |         |        |        |        |        |        |        |        |        |       |        |        |        |        |         |
|----------------|-----------------------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|---------|
|                | 39.2                  | 53.7   | 53.7    | 68.2   | 68.2   | 82.7   | 82.7   | 97.2   | 97.2   | 111.7  | 111.7  | 126.2 | 126.2  | 126.2  | 140.6  | 140.6  | 155.1   |
| Tele Sec I     | 0%                    | 0%     | 50%     | 0%     | 50%    | 0%     | 50%    | 0%     | 50%    | 0%     | 50%    | 0%    | 50%    | 100%   | 50%    | 100%   | 100%    |
| Tele Sec II    | 0%                    | 17%    | 0%      | 33%    | 17%    | 50%    | 33%    | 67%    | 50%    | 83%    | 67%    | 100%  | 83%    | 67%    | 100%   | 83%    | 100%    |
| Tele Sec III   | 0%                    | 17%    | 0%      | 33%    | 17%    | 50%    | 33%    | 67%    | 50%    | 83%    | 67%    | 100%  | 83%    | 67%    | 100%   | 83%    | 100%    |
| Mode           | A, X, B               | A      | X, B    | A      | X      | A      | X      | A      | X      | A      | X      | A     | X      | B      | A, X   | B      | A, X, B |
| 8              | *160,000              | 46,650 | 117,500 |        |        |        |        |        |        |        |        |       |        |        |        |        |         |
| 10             | 135,000               | 46,650 | 117,500 | 46,500 | 57,850 |        |        |        |        |        |        |       |        |        |        |        |         |
| 12             | 120,500               | 46,650 | 117,500 | 46,500 | 57,850 | 46,350 | 57,700 |        |        |        |        |       |        |        |        |        |         |
| 15             | 103,500               | 46,650 | 102,500 | 46,500 | 57,850 | 46,350 | 57,700 | 29,000 | 55,450 |        |        |       |        |        |        |        |         |
| 20             | 80,750                | 46,650 | 79,750  | 46,500 | 57,850 | 46,350 | 57,700 | 29,000 | 55,450 | 13,550 | 39,500 | 8,520 | 28,500 | 29,000 | 21,350 | 23,300 | 18,000  |
| 25             | 61,050                | 46,650 | 60,100  | 46,500 | 57,850 | 46,350 | 57,700 | 29,000 | 55,450 | 13,550 | 39,500 | 8,520 | 28,500 | 29,000 | 21,350 | 23,300 | 18,000  |
| 30             | 48,000                | 46,650 | 47,100  | 46,500 | 49,100 | 45,300 | 50,350 | 29,000 | 50,100 | 13,550 | 36,400 | 8,520 | 28,500 | 29,000 | 21,350 | 23,300 | 18,000  |
| 35             |                       | 41,150 | 37,900  | 42,400 | 39,900 | 40,450 | 41,150 | 29,000 | 42,000 | 13,550 | 32,800 | 8,520 | 28,500 | 29,000 | 21,350 | 23,300 | 18,000  |
| 40             |                       | 32,550 | 29,600  | 34,300 | 31,050 | 35,100 | 32,300 | 27,050 | 33,550 | 13,550 | 29,800 | 8,520 | 27,900 | 27,050 | 21,350 | 23,300 | 18,000  |
| 45             |                       | 25,650 | 23,050  | 27,600 | 24,700 | 28,600 | 25,900 | 24,600 | 27,150 | 13,550 | 27,250 | 8,520 | 25,350 | 23,900 | 21,350 | 22,700 | 18,000  |
| 50             |                       |        |         | 22,600 | 19,950 | 23,800 | 21,150 | 22,550 | 22,400 | 13,550 | 22,850 | 8,520 | 23,050 | 21,200 | 20,650 | 20,500 | 18,000  |
| 55             |                       |        |         | 18,650 | 16,150 | 20,100 | 17,500 | 20,350 | 18,700 | 13,550 | 19,150 | 8,520 | 19,500 | 18,350 | 18,950 | 18,400 | 17,450  |
| 60             |                       |        |         | 15,550 | 13,150 | 17,150 | 14,550 | 17,400 | 15,800 | 13,550 | 16,150 | 8,520 | 16,550 | 15,450 | 16,950 | 15,950 | 15,900  |
| 65             |                       |        |         |        |        | 14,700 | 12,100 | 15,050 | 13,300 | 13,550 | 13,750 | 8,520 | 14,150 | 13,100 | 14,600 | 13,600 | 14,000  |
| 70             |                       |        |         |        |        | 12,650 | 10,050 | 13,050 | 11,300 | 13,350 | 11,750 | 8,520 | 12,200 | 11,150 | 12,650 | 11,600 | 12,000  |
| 75             |                       |        |         |        |        | 10,900 | 8,330  | 11,350 | 9,580  | 11,700 | 10,050 | 8,520 | 10,500 | 9,540  | 11,000 | 9,960  | 10,350  |
| 80             |                       |        |         |        |        |        |        | 9,880  | 8,080  | 10,250 | 8,630  | 8,520 | 9,120  | 8,080  | 9,610  | 8,520  | 8,960   |
| 85             |                       |        |         |        |        |        |        | 8,580  | 6,780  | 9,040  | 7,380  | 8,520 | 7,890  | 6,830  | 8,400  | 7,290  | 7,740   |
| 90             |                       |        |         |        |        |        |        | 7,440  | 5,650  | 7,910  | 6,270  | 8,240 | 6,820  | 5,740  | 7,350  | 6,210  | 6,680   |
| 95             |                       |        |         |        |        |        |        |        |        | 6,920  | 5,290  | 7,290 | 5,880  | 4,780  | 6,420  | 5,260  | 5,750   |
| 100            |                       |        |         |        |        |        |        |        |        | 6,040  | 4,410  | 6,430 | 5,030  | 3,910  | 5,600  | 4,420  | 4,900   |
| 105            |                       |        |         |        |        |        |        |        |        | 5,250  | 3,640  | 5,660 | 4,260  | 3,130  | 4,860  | 3,670  | 4,140   |
| 110            |                       |        |         |        |        |        |        |        |        |        |        | 4,970 | 3,570  | 2,430  | 4,180  | 2,990  | 3,450   |
| 115            |                       |        |         |        |        |        |        |        |        |        |        | 4,340 | 2,950  | 1,790  | 3,540  | 2,370  | 2,830   |
| 120            |                       |        |         |        |        |        |        |        |        |        |        |       |        |        | 2,960  | 1,790  | 2,270   |
| 125            |                       |        |         |        |        |        |        |        |        |        |        |       |        |        | 2,430  | 1,260  | 1,740   |
| 130            |                       |        |         |        |        |        |        |        |        |        |        |       |        |        | 1,950  |        | 1,250   |

\*Special equipment required.

