

IC-1 PLUS

The new capacity calculating system



CRANES



WORKS FOR YOU.™

Courtesy of Crane.Market

DO MORE ...

Many Terex cranes come standard with the field-proven IC-1 control system, which offers efficient and intuitive touchscreen operation and stores all load charts.

The new IC-1 Plus control system now implements an additional value to your crane as it enables it to perform more jobs.

► Promote safe use:



Capacity Radar IC-1 Plus

The IC-1 Plus control system features an enhanced visualization to provide the crane operator with additional information on capacity in relation to boom position. This colored visualization of the work area capacity results in improved safety.

- Movement speeds reduced prior to auto shut off
- Auto shut off of movements prior to unsafe condition
- Pre-calculation of:
Max capacity for +/- 30° slewing angle and luffing area (depending on boom length)
- Pre-calculation visible on control screen

► Use your maximum lifting capacity:

The IC-1 Plus control system calculates lifting capacities for every position of the boom subject to the slewing angle of the superstructure. This enables you to use your maximum lifting capacity especially when lifting over the outriggers. The effect is even higher with reduced outrigger settings and reduced counterweight.

Due to this real time calculation the lifting capacity for a defined radius is no longer limited to the minimum value of a pre-calculated 360° lifting capacity:

Capacities are calculated in real time in the cab. Your crane can perform jobs where higher capacity cranes are typically needed.

| | | 18,7 t | | | | | | | | | | | | 8,40 m x 8,86 m | | 360° / Max.* | | ISO | |
|----|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|-------|--------------|------|-----|--|
| | | 360° | Max. | 360° | Max. | 360° | Max. | 360° | Max. | 360° | Max. | 360° | Max. | 360° | Max. | 360° | Max. | | |
| | | 12,7m | 12,7m | 16,9m | 16,9m | 21,2m | 21,2m | 25,4m | 25,4m | 29,7m | 29,7m | 33,9m | 33,9m | 38,2m | 38,2m | | | | |
| m | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | t | m | | |
| 3 | 130,0 | 130,0 | 130,0 | 130,0 | 130,0 | 130,0 | 112,5 | 112,5 | - | - | - | - | - | - | - | - | 3 | | |
| 4 | 125,5 | 130,0 | 126,0 | 129,5 | 125,5 | 129,0 | 112,5 | 112,5 | 90,7 | 90,7 | - | - | - | - | - | - | 4 | | |
| 5 | 107,5 | 107,9 | 108,5 | 108,8 | 108,5 | 108,7 | 108,0 | 108,2 | 90,6 | 90,6 | 71,1 | 71,1 | - | - | - | - | 5 | | |
| 6 | 89,5 | 89,5 | 90,6 | 90,6 | 90,5 | 90,5 | 86,0 | 89,9 | 81,0 | 87,6 | 70,7 | 70,7 | 58,6 | 58,6 | - | - | 6 | | |
| 7 | 74,5 | 74,5 | 75,5 | 75,5 | 74,2 | 75,4 | 70,8 | 76,3 | 65,3 | 75,7 | 62,9 | 70,7 | 57,5 | 58,6 | - | - | 7 | | |
| 8 | 61,0 | 63,5 | 63,7 | 64,4 | 62,4 | 64,7 | 58,4 | 65,2 | 56,7 | 64,7 | 52,8 | 63,8 | 48,4 | 58,2 | - | - | 8 | | |
| 9 | 48,2 | 55,1 | 50,5 | 56,6 | 51,2 | 57,0 | 49,8 | 56,7 | 48,4 | 56,2 | 45,2 | 57,1 | 42,5 | 56,3 | - | - | 9 | | |
| 10 | 34,1 | 34,1 | 41,5 | 49,9 | 42,1 | 50,3 | 43,7 | 50,1 | 42,0 | 50,8 | 39,4 | 50,4 | 37,4 | 49,6 | - | - | 10 | | |
| 12 | - | - | 30,7 | 40,1 | 31,7 | 40,4 | 31,9 | 41,0 | 31,5 | 41,1 | 30,9 | 40,5 | 30,2 | 39,7 | - | - | 12 | | |
| 14 | - | - | 23,3 | 32,8 | 24,2 | 33,5 | 24,3 | 34,5 | 23,9 | 34,2 | 24,9 | 33,6 | 24,1 | 32,8 | - | - | 14 | | |
| 16 | - | - | - | - | 19,2 | 29,2 | 19,3 | 29,3 | 20,2 | 29,0 | 19,8 | 28,4 | 19,6 | 27,9 | - | - | 16 | | |
| 18 | - | - | - | - | 16,1 | 25,3 | 16,6 | 25,3 | 16,6 | 25,0 | 16,3 | 24,5 | 16,2 | 24,1 | - | - | 18 | | |
| 20 | - | - | - | - | - | 14,0 | 22,2 | 13,8 | 21,9 | 13,9 | 21,3 | 13,8 | 21,2 | - | - | - | 20 | | |
| 22 | - | - | - | - | - | - | 11,9 | 19,3 | 11,7 | 18,8 | 12,0 | 18,6 | 12,0 | 18,9 | - | - | 22 | | |
| 24 | - | - | - | - | - | - | - | - | 10,4 | 16,0 | 10,4 | 16,8 | 10,4 | 16,0 | - | - | 24 | | |
| 26 | - | - | - | - | - | - | - | - | 9,1 | 14,8 | 9,2 | 14,5 | 9,0 | 13,7 | - | - | 26 | | |
| 28 | - | - | - | - | - | - | - | - | 8,1 | 8,1 | 8,0 | 12,6 | 7,9 | 12,2 | - | - | 28 | | |
| 30 | - | - | - | - | - | - | - | - | - | 7,0 | 11,1 | 6,9 | 10,9 | - | - | - | 30 | | |
| 32 | - | - | - | - | - | - | - | - | - | 6,2 | 8,1 | 6,1 | 10,1 | - | - | - | 32 | | |
| 34 | - | - | - | - | - | - | - | - | - | - | - | 5,3 | 9,0 | - | - | - | 34 | | |
| 36 | - | - | - | - | - | - | - | - | - | - | - | 4,7 | 6,2 | - | - | - | 36 | | |
| 38 | - | - | - | - | - | - | - | - | - | - | - | 4,1 | 5,9 | - | - | - | 38 | | |
| 1) | 21,4 | 21,4 | 15,6 | 15,6 | 12,1 | 12,1 | 9,5 | 9,5 | 7,6 | 7,6 | 6,0 | 6,0 | 4,7 | 4,7 | - | - | 1) | | |

Capacity Comparison: 360° capacities vs. max. real time capacities

Example: Explorer 5800, Main Boom

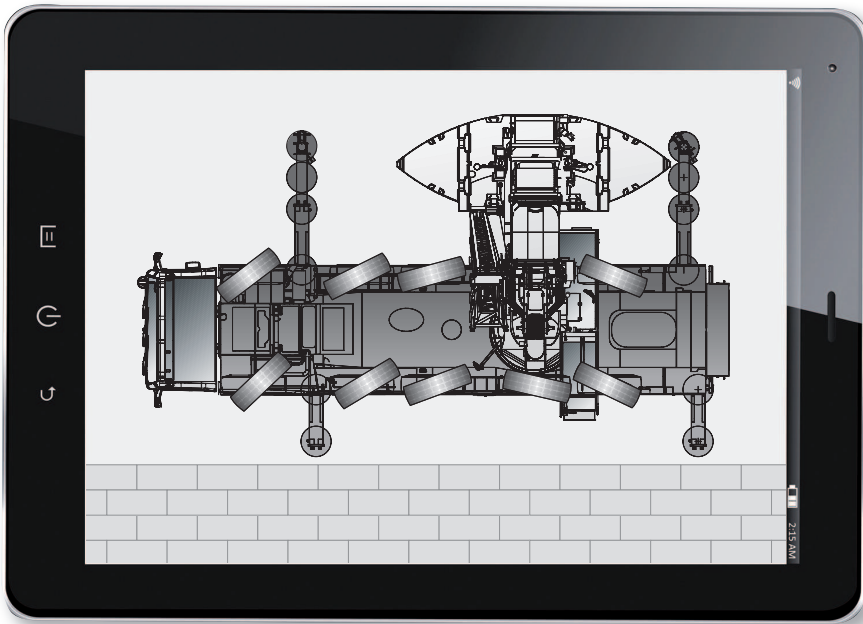
- Traditional 360° capacity
- Maximum capacity with new IC-1 Plus

... WITH LESS.

▶ Reduce your transport costs:

With the IC-1 Plus control system you can increase lifting capacity while using less counterweight compared to 360° capacities. This results in reduced transport costs.

▶ Improve versatility in narrowest jobsites:



Asymmetric outrigger setup for confined spaces

Due to lifting with asymmetric outrigger setup the crane can work in confined spaces without losing lifting capacity. It increases your crane's versatility and enables you to do more jobs.

▶ Unlock all advantages with graphical job planning:

- ▶ **Planning / simulation of lift from operator cab**
 - Usage of touch screen to select load case
 - Real time calculation of lifting capacity for determination of set up position
- ▶ **Planning tool available in Terex Lift Plan (www.terexcranes-liftplan.com)**
 - Easy to access: available online for desktop and mobile devices
 - Free of charge, easy to use tool



On-board simulation with IC-1 Plus control system





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