



Load Capacity

- 90%
- 80%
- On

STELLAR®

RF Signal  
Sys Error  
1  
2  
3  
4  
ADC Error  
Load Error

Boost



### Stellar® Crane Dynamics Technology™ (CDT™)

A proprietary collection of revolutionary features that includes a two-way communication and feedback feature, a crane boosting feature, and an enhanced safety-monitoring feature.



## ■ SPECIFICATION INFORMATION

**Stellar® CDT™ (Crane Dynamics Technology™)** is a proprietary collection of revolutionary, industry first features that control, power, and monitor the new cranes. Models range from a 5,000-pound (25,000 ft-lb) capacity up to a 14,000-pound (70,000 ft-lb) capacity. The Stellar CDT is a combination of a handheld integral capacity alert communication system, a crane boosting feature, and the ability to function in safe mode. Other Stellar crane features continue to include all hydraulic extensions up to 28-feet, hexagonal boom design, a planetary winch with line speeds up to 60-feet per minute, and a radio remote control as standard.

**Compact Handheld Controller** The new Stellar CDT equipped line of cranes offer the most compact wireless radio controller in the industry. The controller has all the crane functions operated by toggle switches and a proportional control trigger. It also includes an engine start/stop button, a compressor start/stop button, and an emergency stop button. The compactness of the controller allows for easy single-hand operation, flexibility to the operator to position themselves in an ideal operating position, and a heavy-duty magnet to place the controller in a convenient location when not in use.

**Handheld Capacity Alert** The new Stellar CDT equipped cranes are the first in the mechanics crane market to offer integral capacity alert into the handheld controller. This system alerts the operator of increasing loads before they reach maximum capacity. This alert is performed by visual and sensory indicators built into the Stellar handheld controller (color-coded LEDs and cyclical vibrations). When approaching maximum capacity LED lights on the handheld control will indicate yellow for 80% capacity, red for 90% capacity and flashing lights for 100% of rated capacity. In addition, the cyclical vibration increases frequency in the handheld controller to insure the operator is aware of the approaching maximum capacity when keeping an eye on the load is critical.

**Crane Boost System** The crane boost system on the new Stellar CDT equipped cranes is also an industry first. Through the use of proprietary technology, the Stellar CDT system can also allow operators who exceed standard capacity to productively operate through that situation by increasing crane capacity to 118% of its normal operating capacity for a short period of time.

**Enhanced Safety System** The new Stellar CDT equipped cranes feature an enhanced safety system. If a device intended to monitor the capacity of the crane operates incorrectly, the crane will put itself into safe mode. Safe mode will allow the operator to work with the crane at a reduced speed until the safety device is in proper working order. The crane will also communicate to the operator if an overload safety device fault is detected.

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Your local dealer:



*Our People. Our Products.*

190 State Street  
P.O. Box 169  
Garner, IA 50438  
Telephone: (641) 923-3741 • (800) 321-3741  
Fax: (641) 923-2812  
Internet: [www.stellarindustries.com](http://www.stellarindustries.com)  
Email: [sales@stellarindustries.com](mailto:sales@stellarindustries.com)