

CDTplus™

Stellar® CDTplus™ (Crane Dynamics Technology Plus™) is a proprietary collection of revolutionary, industry first features that control, power, and monitor Stellar® cranes. Models range from a 7,500-pound (44,840 ft-lb) capacity up to a 14,000-pound (82,600 ft-lb) capacity. The Stellar CDTplus 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 30-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 Stellar CDTplus control system is EXCLUSIVE TO STELLAR and features a handheld transmitter with an over-molded rubber bumper system to maximize durability while keeping it lightweight. The new LCD display features operator feedback including real time load capacity, maximum distance with the current load, boom angle, and percentage of load. The boost feature allows a momentary increase in the capacity of the crane, and a Safe Mode to keep the crane and operator safe should a load indicating device fail to operate correctly. The Stellar CDTplus remote handle features a rechargeable battery and an in-cab docking and recharging station.

Handheld Capacity Alert

Stellar CDTplus equipped cranes are the first in the mechanics crane market to offer integral capacity alert into the handheld controller displayed on an LCD screen. This system alerts the operator of increasing loads before they encounter maximum capacity. This alert is performed by visual and sensory indicators built into the Stellar handheld controller. In addition to the LCD notifications, the cyclical vibration increases frequency in the handheld controller to ensure the operator is aware of the approaching maximum capacity.

Crane Boost System

The crane boost system on Stellar CDTplus equipped cranes is also an industry first. Through the use of proprietary technology, this system allows operators who reach maximum capacity to productively operate through that situation by effectively increasing crane capacity to nearly 118% of its normal operating mode for a short period of time.

Enhanced Safety System

Stellar CDTplus 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 to finish the job and store the crane until the safety device is in proper working order. The crane will also communicate through the LCD screen to the operator if an overload safety device fault is detected.



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