



**STELLAR®** I4528 TECHNICAL SPECIFICATION GUIDE

# 14528

Service Crane and TMAX™ Service Bodies



*Our People. Our Products.*

# STELLAR® I4528 TECHNICAL SPECIFICATION GUIDE

## ■ SPECIFICATION INFORMATION

Crane Rating:	82,600 ft-lbs (11.42 ton-m)*
Standard Boom Length:	13' (3.96 m) from CL of Crane
Boom Extension:	
• 1st stage:	Hydraulic 90" (228.6 cm)
• 2nd stage:	Hydraulic 90" (228.6 cm)
Max. Horizontal Reach:	28' (8.53 cm) from CL of Crane
Max. Vertical Lift: (from crane base)	29' 4" (8.94 m)
Boom Elevation:	-5° to +80°
Stowed Height: (crane only)	43" (102.9 cm)
Mounting Space Required:	25" x 22" (63.5 x 55.9 cm)
Shipping Weight:	3100 lbs (1406 kg)
Controls:	Radio control standard for all functions.
Winch	
• Rope Diameter:	1/2" (1.27 cm)
• Line pull speed:	60 ft/min (18.29 m)
• Max. single part line:	7000 lbs (3175 kg)
• Max. double part line:	14,000 lbs (46350 kg)
Rotation:	400° power (worm gear)
Lifting Capacities:	14,000 lbs @ 5' (6350 kg @ 1.52 m)** 2950 lbs @ 28' (1335 kg @ 8.54 m)**
Power Supply Required:	PTO & Pump 12 gpm @ 2600 psi (45.4 lpm @ 180 bars)

NOTE: All Stellar cranes meet ANSI B30.5 and OSHA 1910.180 specifications.  
Specifications subject to change without notification.

## ■ DEFINING CHARACTERISTICS

### Stellar® CDT™ Equipped

The Stellar CDT equipped cranes will engage and communicate with the crane operator by using multiple sensory indicators when approaching maximum capacity. This will include the use of colored LED lights and pulsating vibrations. The Stellar CDT control system will also allow the operator to go into a boost mode and operate at nearly 120% of its normal operating capacity for a short period of time.

### Remote Control

Stellar Industries was the first U.S. manufacturer to include the state-of-the-art fully proportional multi-functional remote control as a standard feature. The radio remote incorporates a variable speed trigger that allows the operators to feather the crane with precise control. Additionally, the radio remote control handle features engine start/stop functions, compressor on/off, engine speed controls, and an emergency shut-off.

### Planetary Drive Winch System

To maximize winch speed, Stellar Industries has incorporated a planetary drive winch system with line speeds up to 60-ft/min (18.29 m), giving the 14528 crane over twice the speed of the competition. In addition to speed, the planetary winch also provides mechanical and hydraulic breaks for added security.

### Hexagonal Boom Design

Hexagonal booms are stronger and greatly reduce boom flex and side to side movement.

### Greaseless Bushings

Maintenance free greaseless bushings.

### Stainless Steel Pivot Pins

Lower maintenance and extend life.

### 28' of Hydraulic Reach

2-stage hydraulic extensions. No manual extensions.

### Dual Acting Counter Balance Valves

Integrated into cylinders.

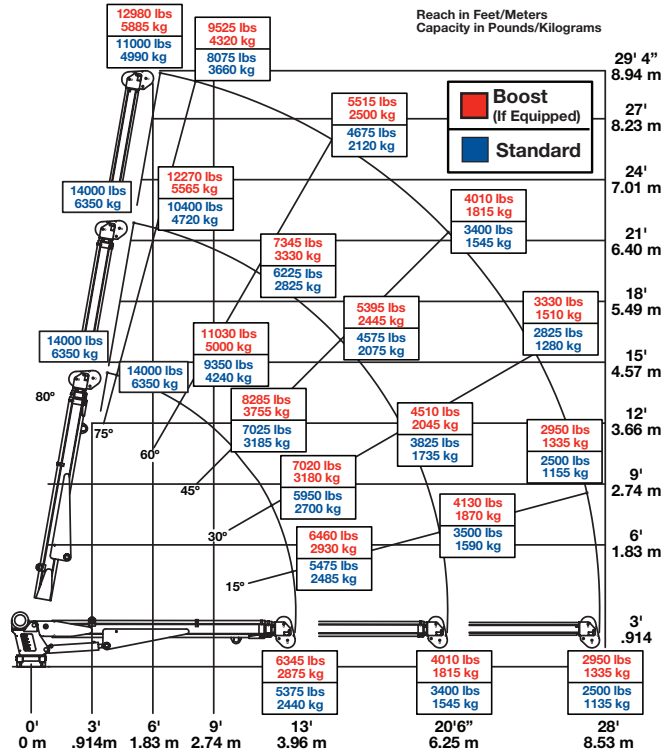
### Flip Sheave Standard

### Anti Two-Block Device

\*Crane rating in Boost Mode. Normal crane rating is 70,000 ft-lbs (9.68 ton-m)

\*\*Maximum capacities in Boost Mode.

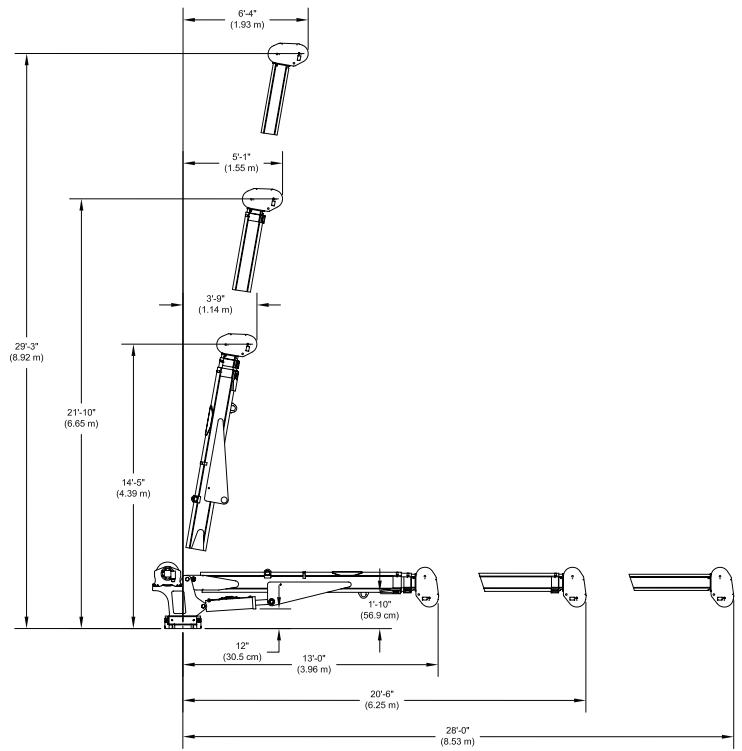
### 14528 CAPACITY CHART



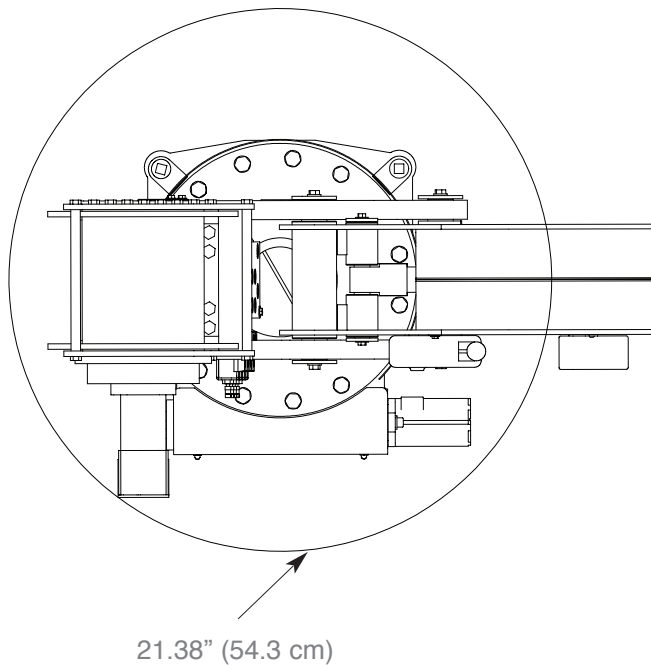
Weight of load handling devices are part of the load lifted and must be deducted from the capacity.

Maximum 1 - part line capacity is 7000 lbs. (3175 kg). For greater loads, use 2 - part line.

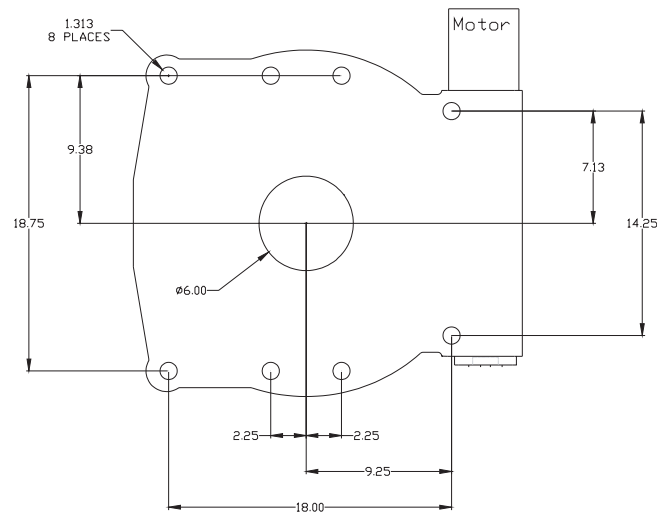
### GEOMETRIC DIMENSIONS



### ROTATIONAL CLEARANCE



### HOLE MOUNTING DETAIL



■ **TMAX™ Service Bodies**

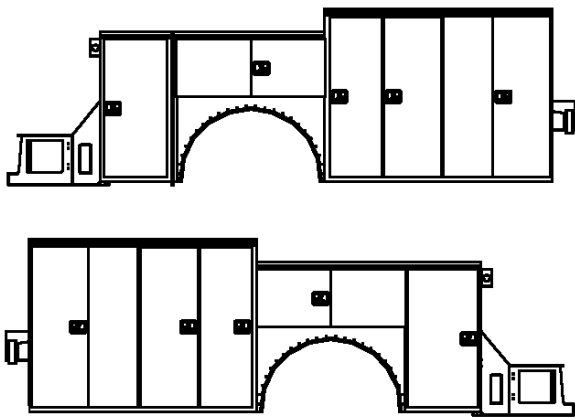
**TMAX3™ Service Body**

Applicable Chassis: 33000 GVWR Chassis and up

Crane Models: 14528

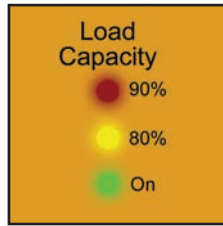
Cab to Axle: 120" (304.8 cm)  
 Body Length Nominal: 157" (398.78 cm)  
 Body Height: 52"/60" (132.1/152.4 cm)  
 Body Width: 96" (243.84 cm)  
 Compartment Depth: 22" (55.88 cm)  
 Floor Width: 50"/52" (127/132.1 cm)  
 Net Weight: 5200 lbs (2358.68 kg)

(Also available in a T3T tandem body)

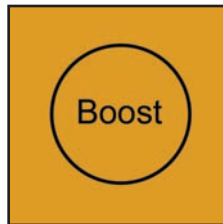


■ **Stellar® Crane Dynamics Technology™ (CDT™)**

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.



- 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.



- 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.



- 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.

Your local dealer:



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