

Stellar® Mechanic Service Cranes & Bodies



GUIDE TO FEATURES AND BENEFITS



Mechanic Trucks by Stellar Industries offer the most innovative features in the industry

- Complete turnkey packages available with a heavy-duty steel body and American Eagle air compressor and drawer systems
- Stellar service cranes feature hexagonal booms which makes them stronger, reduces boom flex and excessive side-to-side boom movement
- Stellar offers a wide range of lifting capacities up to 14,000 pounds
- Planetary winches provide line speed up to 60-feet per minute
- Up to 30-feet of hydraulic reach
- Quick release snatch block stow
- 400-degree power rotation on most models
- Standard Stellar® CDT™ and Stellar® CDTplus™ radio remote with optional E-Link control system
- On demand speed control
- Dual acting counter balance valves integrated into hydraulic cylinders
- Flip sheave with bar style ATB
- Stellar® CDTplus™ cranes offer -10 degrees to +80 degrees. This gives the operator both easy reach to snatch block stowing and the best ability to load items onto the load bed



Our People. Our Products.

STELLAR[®] MECHANIC SERVICE CRANES & BODIES

■ The Best Features in the Industry are Standard on Every Stellar[®] Model TMAX1[™], TMAX2[™] and TMAX3[™] Service Body...



- Rugged 12-gauge two-sided A-40 galvanneal steel body shell.
- The crane pedestal / compartment is constructed of steel material capable of handling the robust lifting capacity of Stellar cranes, including Stellar[®] CDTplus[™] equipped cranes. This provides the same storage space as other non-reinforced compartments.
- Enhanced boom rest, reduces crane movement when stowed and protects paint finish from damage.
- Exterior mounted light box provides maximum protection for the lights yet minimizes intrusion into the compartments.
- The rotating masterlock system soundly secures each door, and accepts your pad lock of choice to protect your valuable tool supply.
- Bodies are finished with two-part polyurethane enamel.
- For reduced truck weight and added corrosion protection, the doors are made of 5000 series aluminum and feature a two-panel design with a mechanically and chemically bonded internal hat channel to offer ultimate strength and greater resistance to bending.
- Smooth steel workbench surface bumper, with recess for pintle hitch. Step bumper and grab handles are standard.
- Every Stellar mechanic service body features our torq-isolator crane support design and isolates the crane compartment from the rest of the side pack. Lifting stresses are transferred to the stabilizers and box-type subframe, not the compartment doors.



Stainless steel billet style hinge has hidden fasteners and a rugged 5/16" stainless steel rod. All combined to stand up to years of heavy use.



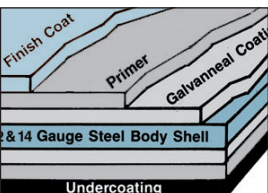
3-Point compression latches positively compress compartment weather strip for weather tightness, while allowing easy access.



Double spring over center door closures on all vertical doors, keeps door in positive open or closed position.



250-lb capacity adjustable divider shelves made of spangled galvanized steel.



Complete undercoating, with minimum of 3 mils of petroleum base material, provides extra protection from corrosion and road debris.



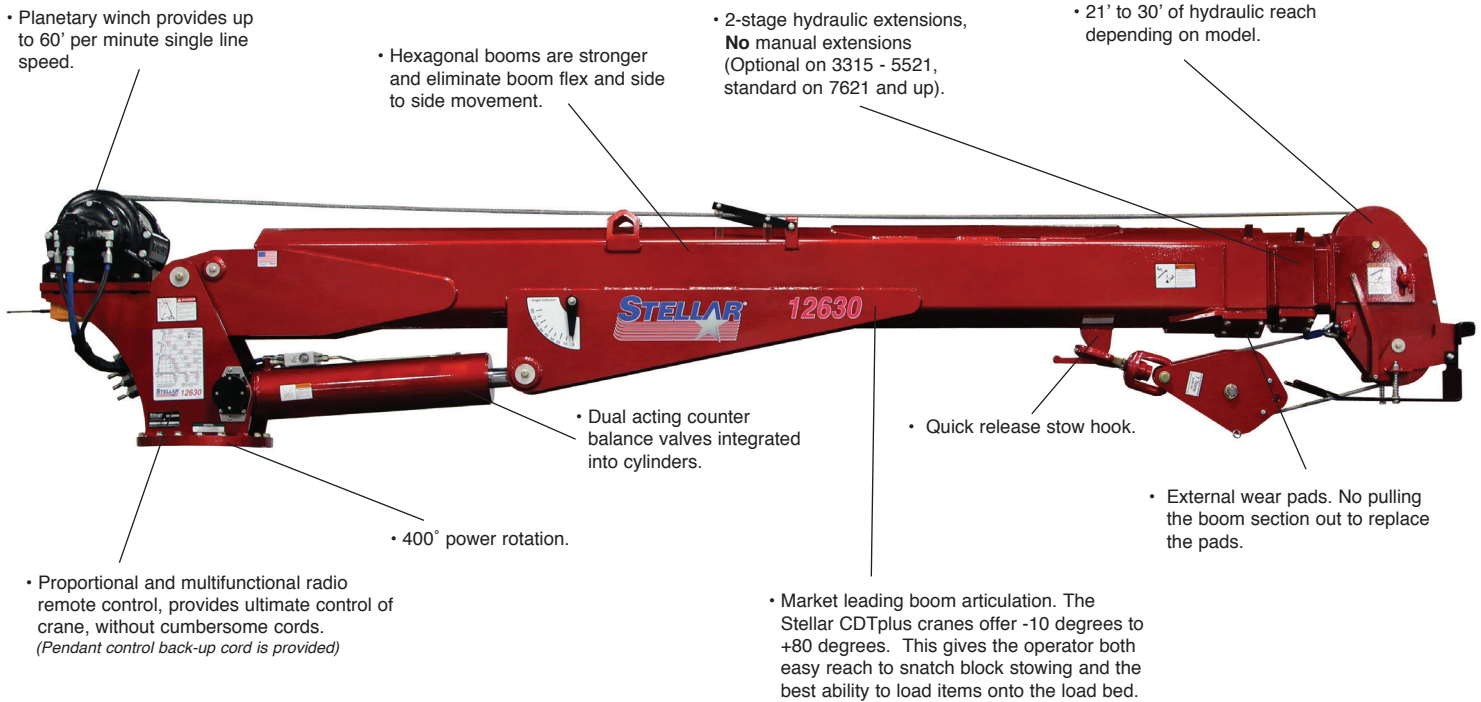
Full width longbar storage compartment integrated into the rear workbench bumper. Removable vise pedestal is standard.



12-gauge double panel tailgate with hinged arm brackets to provide a stout working surface.



Encased in a durable nylon braided loom, the standard electrical wiring harness used by Stellar covers all functions, and features the use of weather-tight connectors.



- Planetary winch provides up to 60' per minute single line speed.

- Hexagonal booms are stronger and eliminate boom flex and side to side movement.

- 2-stage hydraulic extensions, **No** manual extensions (Optional on 3315 - 5521, standard on 7621 and up).

- 21' to 30' of hydraulic reach depending on model.

- Dual acting counter balance valves integrated into cylinders.

- Quick release stow hook.

- External wear pads. No pulling the boom section out to replace the pads.

- 400° power rotation.

- Proportional and multifunctional radio remote control, provides ultimate control of crane, without cumbersome cords. (Pendant control back-up cord is provided)

- Market leading boom articulation. The Stellar CDTplus cranes offer -10 degrees to +80 degrees. This gives the operator both easy reach to snatch block stowing and the best ability to load items onto the load bed.



Stellar® CDTplus™ (Crane Dynamics Technology Plus™)

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 CDTplus™ system is the first radio transmitter in the industry to offer real time capacity feedback to the operator. Using a unique 2-color LCD screen, the Stellar® CDTplus™ handheld remote will show actual load, reach, angle and also additional reach possible with the current load.

- Through the use of proprietary technology, the Stellar® CDTplus™ 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® 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 until the safety device is in proper working order.



Stellar® E-Link Control System

The Stellar E-Link Control system is a robust design meant to handle the rigors our industry demands. It also offers a multi color backlit design for easy viewing in low light conditions, and is IP67 rated to resist dust and moisture interference.

(Available with Stellar® CDTplus™ only on cranes 7621 and larger)



Flip Sheave with Bar Style Activation

The standard two-part line position allows for better cable location when making lifts at a high boom angle, such as loading into the truck bed. It keeps the wire rope further from the boom and prevents rubbing.

The new Flip Sheave low profile position, designed for the single-part line configuration, is beneficial when lifting something in a tight location, such as inside a cab or under a hood. The low profile configuration creates more room to lift the load and position loads in limited height areas.

Available on telescopic crane models 7621 and up.



Standard Position



Low Profile Position

■ Available Cranes

Model	Crane Rating	Boom Length*	Max Reach*	Lifting Capacities	Power Supply
3315	11,500 ft-lbs (1.59 ton-m)	7' (2.13 m)	15' (4.57 m)	3,200 lbs @ 3' (1,451 Kg @ .9 m) 750 lbs @ 15' (340 Kg @ 4.6 m)	PTO 2.0 gpm @ 2300 psi 12 volt power E/H (Optional)
4421	16,000 ft-lbs (2.23 ton-m)	11' (3.35m)	21' (6.40 m)	4,000 lbs @ 4' (1,814 kg @ 1.22 m) 760 lbs @ 21' (345 kg @ 6.40 m)	PTO 2.0 gpm @ 2600 psi 12 volt power E/H (Optional)
5521	29,500 ft-lbs (4.1 ton-m)	11' (3.35 m)	21' (6.40 m)	5,000 lbs @ 5' (2,265 kg @ 1.78 m) 1,400 lbs @ 21' (635 kg @ 6.40 m)	PTO 8 gpm @ 2500 psi
7621	44,840 ft-lbs* (6.20 ton-m)	11' (3.35 m)	21' (6.40 m)	7,500 lbs @ 5'10" (3,402 kg @ 1.78 m)* 2,135 lbs @ 21' (965 kg @ 6.40 m)*	PTO 8 gpm @ 3000 psi
7630	44,840 ft-lbs* (6.20 ton-m)	13' 4" (4.06 m)	30' (9.14 m)	7,500 lbs @ 5'10" (3,402 kg @ 1.78 m)* 1,490 lbs @ 30' (675 kg @ 9.14 m)*	PTO 8 gpm @ 3000 psi
9621	70,800 ft-lbs* (9.79 ton-m)	11' (3.35 m)	21' (6.40 m)	9,000 lbs @ 7'10" (4,082 kg @ 2.39 m)* 3,365 lbs @ 21' (1,525 kg @ 6.40 m)*	PTO 8 gpm @ 2500 psi
9630	70,800 ft-lbs* (9.79 ton-m)	13' 4" (4.06 m)	30' (9.14 m)	9,000 lbs @ 7'10" (4,082 kg @ 2.39 m)* 2,360 lbs @ 30' (1,070 kg @ 9.14 m)*	PTO 8 gpm @ 2500 psi
10621	70,800 ft-lbs* (9.79 ton-m)	11' (3.35 m)	21' (6.40 m)	10,000 lbs @ 7' (4,536 kg @ 2.13 m)* 3,365 lbs @ 21' (1,525 kg @ 6.40 m)*	PTO 8 gpm @ 3000 psi
10630	70,800 ft-lbs* (9.79 ton-m)	13' 4" (4.06 m)	30' (9.14 m)	10,000 lbs @ 7' (4,536 kg @ 2.13 m)* 2,360 lbs @ 30' (1,070 kg @ 9.14 m)*	PTO 8 gpm @ 3000 psi
12621	77,800 ft-lbs* (10.76 ton-m)	11' (3.35 m)	21' (6.40 m)	12,000 lbs @ 6.5' (5,443 kg @ 1.96 m)* 3,705 lbs @ 21' (1,680 kg @ 6.40 m)*	PTO 8 gpm @ 3000 psi
12630	77,800 ft-lbs* (10.76 ton-m)	13' 4" (4.06 m)	30' (9.14 m)	12,000 lbs @ 6.5' (5,443 kg @ 1.96 m)* 2,590 lbs @ 30' (1,175 kg @ 9.14 m)*	PTO 8 gpm @ 3000 psi
14530	82,600 ft-lbs* (11.42 ton-m)	13' (9.96 m)	30' (9.14 m)	14,000 lbs @ 5' (6,350 kg @ 1.52 m)* 2,750 lbs @ 30' (1,247 kg @ 9.14 m)	PTO 12 gpm @ 2600 psi

* With Stellar® CDTplus™ boost mode. See technical specification brochure or manual for each specific model.

■ Stellar Exclusive Service Bodies



Model	GVWR	Crane Models	Cab to Axle	Length	Height	Comp. Depth	Floor Width
TMAX1™ Bodies	16,000 – 19,500 (19.5 tire size)	3315, 4421, 5521 7621, 7630	60"-84" (152-213 cm)	9'-11' (2.74-3.35 m)	44"-60" (112-152 cm)	22" (56 cm)	50" (127 cm)
TMAX2™ Bodies	19,500 and up (22.5 tire size)	7621, 7630, 9621, 12621, 12630	84"-120" (213-305 cm)	11'-14' (3.35-4.27 m)	52"-60" (132-152 cm)	22" (56 cm)	50" (127 cm)
TMAX3™ Bodies	33,000 and up	14530	120" (304.8 cm)	14' (4.27 m)	52"-60" (132-152 cm)	22" (56 cm)	50"-52" (127-132 cm)
TMAX3T™ Bodies	46,000 and up	14530	147"(Cab to Trunnion) (373.38 cm)	17' (5.18 m)	52"-60" (132-152 cm)	22" (56 cm)	50"-52" (127-132 cm)

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