Stellar® Service Cranes and TMAX™ Service Bodies

TECHNICAL SPECIFICATION GUIDE

Our People. Our Products.
**SPECIFICATION INFORMATION**

- **Crane Rating:** 35,000 ft-lb (5.3 ton-m)*
- **Standard Boom Length:** 11’ 0” (3.35 m) from CL of Crane
- **Boom Extension:**
  - 1st stage: Hydraulic 60” (152.4 cm)
  - 2nd stage: Hydraulic 60” (152.4 cm)
  - Manual 60” (optional)
- **Max. Horizontal Reach:** 21’ 0” (6.40 m) from CL of Crane
- **Max. Vertical Lift:** 22’ 11” (6.99 m) (from crane base)
- **Boom Elevation:** -10˚ to +80˚
- **Stowed Height:** 33” (83.8 cm)
- **Mounting Space Required:** 20” x 21” (50.8 x 53.3 cm)
- **Approximate Crane Weight:**
  - 6521 (electric)
    - 2H: 1,480 lbs (671 kg)
    - 1H1M: 1,365 lbs (630 kg)
  - 6521 (hydraulic)
    - 2H: 1,390 lbs (631 kg)
    - 1H1M: 1,275 lbs (578 kg)
- **Controls:** Radio control standard for all functions
- **Winch**
  - **Rope Diameter:** 5/16” (.794 cm)
  - **Line Pull Speed:** 70 ft/min (21.34 m/min)
  - **Max. Single Part Line:** 3000 lbs (1363 kg)
  - **Max. Double Part Line:** 6000 lbs (2727 kg)
- **Rotation:** 400˚ power (worm gear)
- **Lifting Capacities:**
  - 6000 lbs @ 5’ 10” (2722 kg @ 1.78 m)**
  - 1680 lbs @ 21’ (762 kg @ 6.40 m)**
- **Power Supply Required:** PTO & Pump
  - 8.0 gpm @ 3000 psi
  - (30.31 lpm @ 207 bar)
- **Min. Rec. Chassis (GVRW):** 16,000***

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

*Crane rating in Boost Mode. Normal crane rating is 30,000 ft-lbs (4.6 ton-m)
**Maximum capacities in Boost Mode.
***Guideline for Stellar® TMAX™ package with curbside rear crane.
Consult with Stellar for other installations.

**DEFINING CHARACTERISTICS**

**Stellar® CDT™ (Crane Dynamics Technology™)**
Standard on 6521 proportional hydraulic crane, the Stellar CDT control system is revolutionary to the telescopic service crane market and EXCLUSIVE TO STELLAR. This system features capacity alert to the handheld crane remote and also features a Safe Mode to keep the crane and operator safe should a load indicating device fail to operate correctly.

**Full Hydraulic Extension**
The 6521 crane offers an optional boom configuration of two hydraulic boom extensions. The 6521 crane come standard with one hydraulic, one manual boom configuration.

**Market Leading Boom Articulation**
The Stellar 6521 crane offers -10 degrees to +80 degrees. This gives the operator both easy reach to snatch block stowing and the best ability to load items into the load bed.

**Quick Release Snatch Block Stow**
The Stellar quick release snatch block stow, is installed on the underside of the boom to easily stow your snatch block after use. Its unique design gently releases the snatch block for use when the boom is raised at close to 60 degrees to ensure a safe and orderly deployment.

**Planetary Winch**
The planetary winch on every crane manufactured by Stellar was designed to match the capacity and hydraulic control system. It lifts the maximum crane load and offers the smoothest and fastest speeds in the market today to help keep your productivity at max levels.

**Strong Rotation System**
Stellar uses a durable rotation system with a cast iron base and an internal mechanical stop to provide the most durable rotation system found in the industry.

**Counterbalance Valves**
Each cylinder on the Stellar 6521 crane feature counterbalance valves to prevent unintended cylinder movement should a hose break.

**Greaseable Pivot Bushings**
Each pivot pin location on the 6521 crane includes bushings and grease zerks to provide for years of use.

**Hexagonal Booms**
Stellar Industries made the hexagonal boom design famous in the telescopic service crane market. This design provides for a stronger and better aligning boom than competitive square boom design.

**Bar Style Anti-Two Block**
The 6521 crane is equipped with a low profile bar style anti-two block system that allows for easy access to the tightest lifting locations.
6521 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 3000 lbs. (1360 kg). For greater loads, use 2-part line.

GEOMETRIC DIMENSIONS

HOLE MOUNTING DETAIL

33.8" (86 cm)  56.5" (143 cm)
TMAX™ 30K and 30K Aluminum Service Bodies

Applicable Chassis: 10,500 – 19,500 GVWR

Compatible Crane Models: EC3200
                        EC4000
                        EC5000
                        3315
                        4421
                        5521
                        6521

Cab to Axle: 60” - 84” (152 - 213 cm)
Body Length Nominal: 133” (338 cm)
Body Height: 44” - 60” (112 - 152 cm)
Body Width: 94” (238.76 cm)
Compartment Depth: 22” (55.88 cm)
Floor Width: 50” (127 cm)

Your local distributor:

For the most up to date version of this brochure, please visit www.stellarindustries.com.