

Stellar® Service Crane

# EC5000



## TECHNICAL SPECIFICATION GUIDE



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## ■ SPECIFICATION INFORMATION

|                                             |                                                                    |
|---------------------------------------------|--------------------------------------------------------------------|
| Crane Rating:                               | 25,000 ft-lbs (3.46 ton-meters)                                    |
| Standard Boom Length:                       | 10' (3.05 m) from CL of Crane                                      |
| Boom Extension:                             |                                                                    |
| • 1st stage:                                | Hydraulic 60" (152.4 cm)                                           |
| • 2nd stage:                                | Manual 60" (152.4 cm)                                              |
| Max. Horizontal Reach:                      | 20' (6.10 m) from CL of Crane                                      |
| Maximum Vertical Lift:<br>(from crane base) | 21' 3" (6.48 m)                                                    |
| Boom Elevation:                             | -5 to +80 degree                                                   |
| Stowed Height:<br>(crane only)              | 29.53" (75 cm)                                                     |
| Mounting Space Required:                    | 19" x 19" (48.3 x 48.3 cm)                                         |
| Shipping Weight:                            | 1180 lbs (535 kg)                                                  |
| Controls:                                   | Radio control standard for all functions                           |
| Winch                                       |                                                                    |
| • Rope Length:                              | 90' (27.4 m)                                                       |
| • Rope Diameter:                            | 5/16" (.79 cm)                                                     |
| • Line pull speed:                          | 16 ft/min (4.88 m/min)                                             |
| • Max. single part line:                    | 2500 lbs (1134 Kg)                                                 |
| • Max. double part line:                    | 5000 lbs (2268 Kg)                                                 |
| Rotation:                                   | 410 degree power<br>(worm gear)                                    |
| Lifting Capacities:                         | 5000 lbs @ 5' (2268 Kg @ 1.5 m)<br>1250 lbs @ 20' (565 Kg @ 6.1 m) |
| Power Supply Required:                      | 12 volt power unit<br>2.0 gpm @ 2900 psi<br>(7.57 lpm @ 200 bars)  |
| Min. Rec. Chassis (GVRW)                    | 14,500                                                             |

## ■ DEFINING CHARACTERISTICS

### Planetary Drive Winch System

The winch is equipped with a 1.8 HP permanent magnet electric motor with a 315:1 planetary gear reduction system. This ensures that your winch will never quit lifting before it reaches the full rated capacity.

### Double Boom Design

The double boom design makes it nearly twice as strong as the nearest competitor.

### Gear Bearing Rotation

Uses same rotation system as the larger class cranes. There are no plastic bushings or brass gears in the rotation system. It uses a high strength steel ball bearing turntable gear, a high strength steel worm gear, and a cast steel worm gear housing.

### Integral Rotation Stop

410 degrees of rotation with an integrated rotation stop. Integrated stops allow you the greatest performance while protecting wires and hoses from damage.

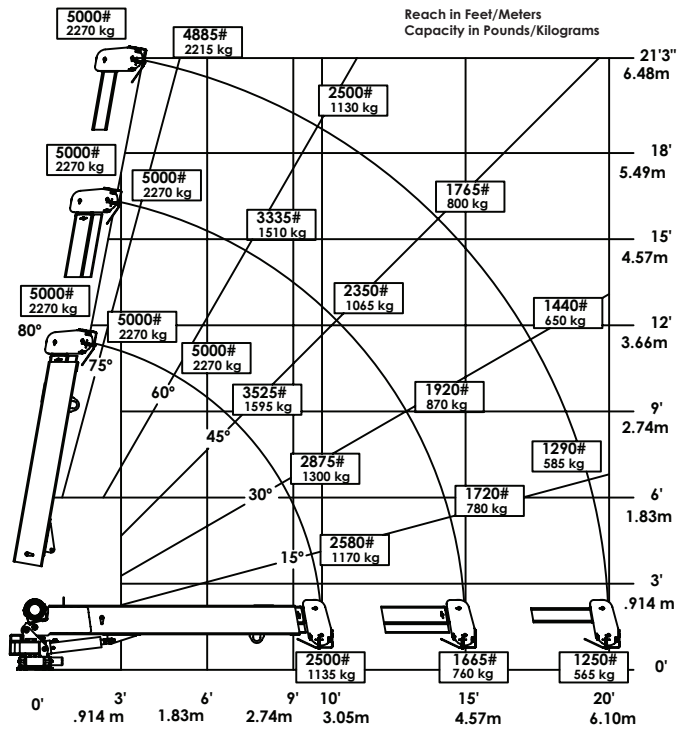
### 20' of Reach

Hydraulic 1st stage extension. Manual 2nd stage extension.

### Radio Remote

Comes standard with a radio remote control.

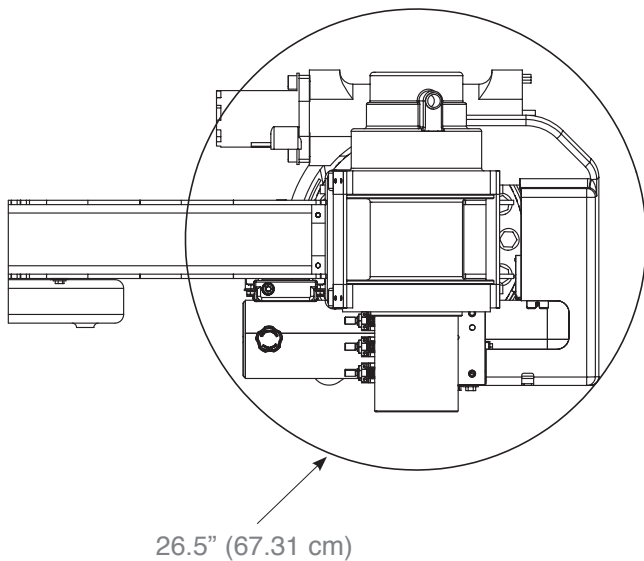
## ■ EC5000 CAPACITY CHART



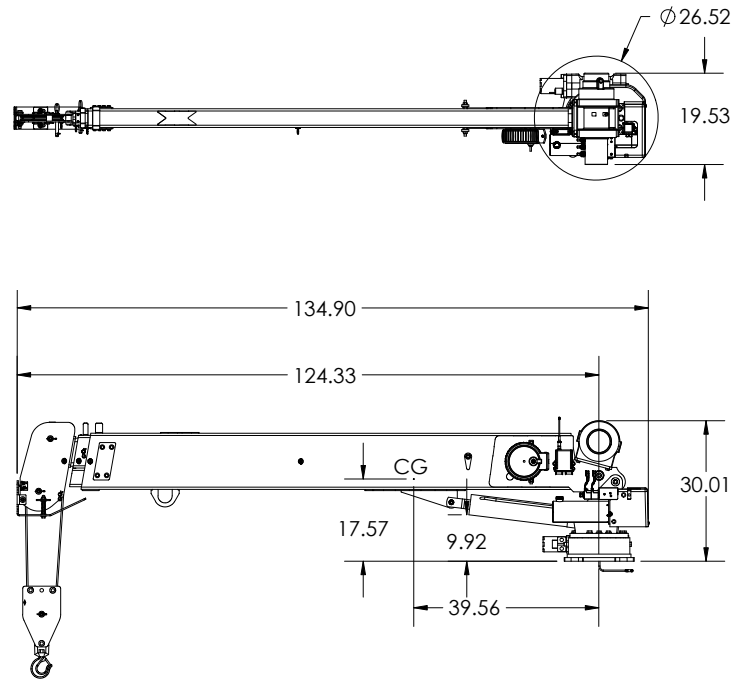
Weight of load handling devices are part of the load lifted and must be deducted from the capacity.

Maximum 1 - part line capacity is 2500 lbs. (1130 kg). For greater loads, use 2 - part line.

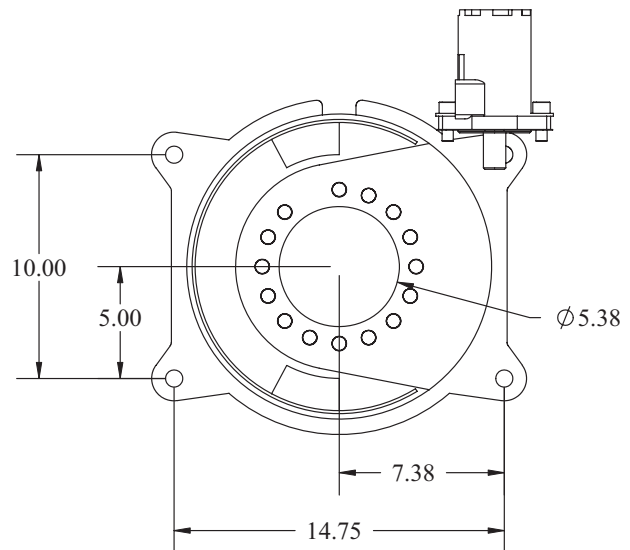
## ■ ROTATIONAL CLEARANCE



## ■ GEOMETRIC DIMENSIONS

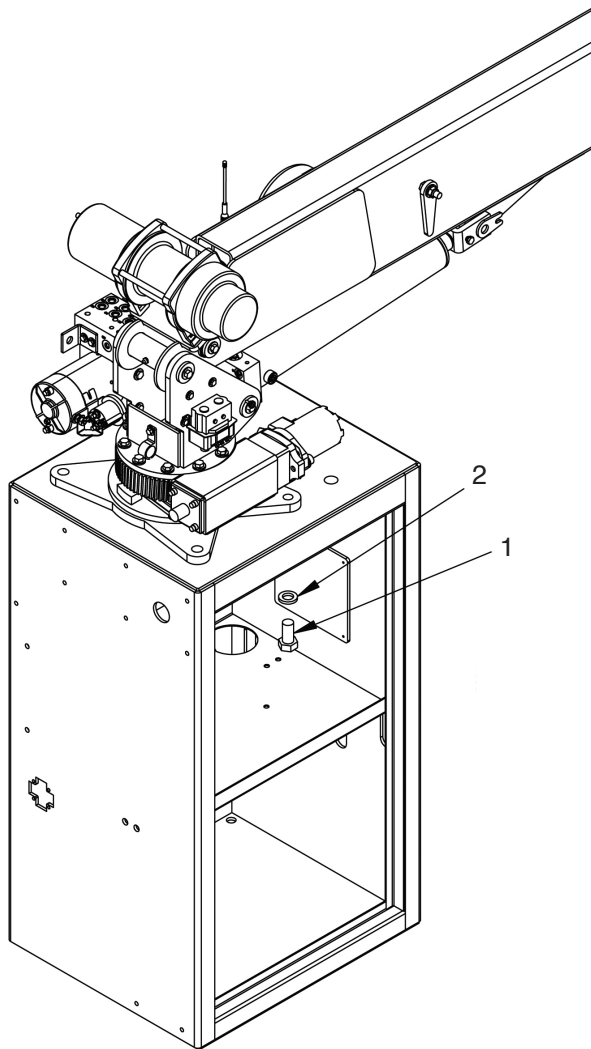


## ■ HOLE MOUNTING DETAIL



## ■ SERVICE BODY MOUNT

Mounts on 20" deep (or larger) side packs.



| Item | Part  | Description                 | Qty. |
|------|-------|-----------------------------|------|
| 1    | 42985 | Cap Scr 0.88-9x1.75 HHGR8ZY | 4    |
| 2    | 8648  | Washer 0.88 SAE GR8         | 4    |

Your local distributor:



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