

## SUGGESTED SPECIFICATIONS

### MODEL 208EL CRANE

**CAPACITY:** Moment rating of 8,100 Ft.-Lb. with capacities as follows:

2000 Lbs. at 4 ft.*	810 Lbs. at 10 ft.
1350 Lbs. at 6 ft.	578 Lbs. at 14 ft. (with 14 ft. boom)
1012 Lbs. at 8 ft.	

**HOIST WINCH:** The hoist winch has a planetary gear drive for best possible efficiency. A 2.7 H.P. permanent magnet electric motor powers the winch. Single line capacity of the winch is 2000 Lbs. The winch load is controlled by the dynamic braking of the motor and by a load apportioned mechanical brake located in the winch drum. Ratio between the winch drum and wire rope meets ANSI requirements. The winch is reversed by 12 volt contactor, not individual solenoids. Winch performance is as follows:

Load (Lbs.)	Hook Speed (Ft./Min.)	AMP. Draw
1000	13.1	64
2000	11.9	115

**WIRE ROPE AND SHEAVES:** The crane is supplied with 62 Ft. of ¼ In. galvanized aircraft cable. Minimum breaking strength of the rope is 7000 Lbs. Wire rope is outside of the boom and visible for operator's continual inspection. All sheaves meet ANSI requirements.

**HYDRAULIC SYSTEM:** A gear type pump is driven by a 12 volt DC electric motor supplies hydraulic fluid to the boom elevation cylinder. The 208EL boom is elevated by a single acting hydraulic cylinder controlled through a three way directional control valve. The boom lowers under gravity. A velocity fuse is used to stop boom down in the event of a hose failure. The relief valve on the pump is set for 1800 PSI.

**ROTATION SYSTEM:** 360 degree manual rotation without restriction is standard. To control the swing, a manual brake band with a reversible hand ratchet is provided. Two tapered roller bearings allow the crane to easily rotate when fully loaded.



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**BOOM ELEVATION:** The boom is capable of moving from – 5 degrees to + 75 degrees. The boom is elevated by a 2.50 In. bore ram type cylinder.

**BOOM EXTENSION:**

14 Ft. Boom:

The boom telescopes manually from 6 Ft. to 10 Ft. and from 10 Ft. to 14 Ft. in two stages. There is one intermediate position in each stage. The boom length is secured by a 0.75 In. diameter hitch pin with wire retainer.

**LOAD SENSOR:** A load limiting sensor is installed in the elevation cylinder. This sensor will shut down hoist up, and boom down when an overload is detected. The sensor will reset after the load is lowered. Boom up load is controlled by the hydraulic pressure setting in the pump.

**PENDANT CONTROL:** An 18 Ft. remote pendant is supplied with each crane. For safest possible use, the pendant control is removable from the crane and each function is controlled by a momentary contact toggle switch.

**POWER CABLE:** The crane is supplied with 25 Ft. of battery power cable with quick disconnects, an additional ground wire, a 150 Amp circuit breaker for mounting near the battery and a master cutoff switch to be mounted near the crane.

**MOUNTING:** Four 0.5 In. x 2.5 In. long grade 8 Hex Head Cap Screws are supplied for mounting. The bolt pattern is 12 In. square on a 15 In. square base plate.

**OPTION:** Anti Two-Block for use when crane is used in construction.

**ACCESSORIES:** An outrigger or jackstand is necessary to keep the truck as level as possible. These options as well as boom rests are available.

**CHASSIS:** Minimum recommended GVWR for the Model 208EL is 9,000 Lbs.



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