

SUGGESTED SPECIFICATIONS LIFTMOORE MODEL 206REL CRANE

CAPACITY: 6,500 ft.-lb. Moment Rating with capacities as follows:

*2000 Lbs. at 3 Ft.
*1300 Lbs. at 5 Ft.
*1083 Lbs. at 6 Ft.
929 Lbs. at 7 Ft.
722 Lbs. at 9 Ft.

*use traveling block double line, for loads above 1000 Lbs.

HOIST WINCH: The hoist winch uses a planetary gear drive for most efficient operation. The winch is powered by a permanent magnet electric motor. The single line capacity of the winch is 1200 Lbs. An integral mechanical brake is included with the winch. Winch performance is as follows:

Load (Lbs.)	Hook Speed(Ft./Min.)	Amp Draw
0	26	25
500	22	70
1000	18	115

WIRE ROPE AND SHEAVES: The crane is supplied with 35 Ft. of 3/16 In. galvanized aircraft cable with a 4200 Lb. breaking strength. All sheaves meet ANSI requirements.

HYDRAULIC SYSTEM: A 12 Volt electric - hydraulic pump powers boom elevation and crane rotation. A four way directional control valve is used to control all functions.

ROTATION: The hydraulic powered rotation is 360 degree continuous and unlimited. The crane rotates on an external gear rotation bearing. A high torque, low speed hydraulic motor drives the rotation.

BOOM: The standard boom length in the horizontal position is 5.5 Ft. with a manually telescoping section to 9.0 Ft. The boom is elevated from 0 degrees to 75 degrees by a double acting hydraulic cylinder. For safest operation, the cylinder includes a counterbalance valve that will hold the load should a hydraulic hose fail.

LOAD SENSOR: A load sensing pressure switch is mounted on the base end of the elevation cylinder. The switch will shut down winch up and boom down when the cylinder, pressure indicates an overload condition. Boom up is limited by the pressure relief setting in the pump.



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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.

ELECTRICAL: The crane is powered by a 12 Volt DC electric battery. Installation of a second battery near the crane is advised. This will maintain the voltage at the highest possible level and extend the life of the crane's motors and solenoids.

The winch motor is reversed by a double pole electrical contactor. Standard automotive solenoids are not used for winch control. The electric-hydraulic pump motor is controlled by a single pole solenoid. 25 Ft. of battery cable with quick disconnects a 3 Ft. ground wire and a 150 Amp. circuit breaker is supplied with each crane.

MOUNTING: Four ½ In. x 2-3/4 In. long grade 8 bolts are supplied. The base plate is 12 In. square with a 9.5 In. square bolt pattern.

PEDESTAL: Standard pedestal height is 27 In. or any other height depending upon need. A mounting plate can be supplied under the crane for mounting on top of a utility body compartment.

ACCESSORIES: An outrigger is necessary on most installations to keep the truck as level as possible and reduce the load on the rotation gear and on the trucks spring, axle, wheels, and tires.

If an outrigger is not used a jackstand would be required for stability to keep the truck level. A boom rest is required to support the boom whenever the truck is in motion. Liftmoore offers boom rests as optional equipment.

CHASSIS: Minimum Recommended GVWR for Model 206REL is 9,000 Lbs.

