

SUGGESTED SPECIFICATIONS LIFTMOORE MODEL 4064XP CRANE

CAPACITY: Moment rating of 40,000 ft.-lbs. with capacities as follows:

6400 lbs. at 6.2 ft.*
4000 lbs. at 10 ft.*
2660 lbs. at 15 ft.
2000 lbs. at 20 ft.
1818 lbs. at 22 ft.

*Use of the traveling block double line is required for loads above 3,000 Lbs.

HOIST WINCH: The hoist winch is a planetary gear design with a 4,200-lb. single line, bare drum capacity. Ratio between winch drum and wire rope meets ANSI requirements. A low speed, high torque hydraulic motor powers the winch. No load line speed is 45 FPM at 8 GPM. A spring applied, pressure released brake system is used for holding and lowering loads. In order to reduce the pressure requirement during hoisting a one way clutch releases the brake.

WIRE ROPE: The crane is supplied with 95 ft. of 3/8" galvanized aircraft cable. Breaking strength of the wire rope is 14,400 Lbs. meeting ANSI requirements. The wire rope is outside of the boom and visible for the operator's continual inspection. A traveling block is supplied for use either single or double line. A roller thrust bearing in the swivel hook provides easy rotation under load.

SHEAVES: All sheaves are non-metallic material for improved life of both the sheave and the wire rope. All sheaves meet ANSI requirements.

HYDRAULIC SYSTEM: All crane functions are hydraulically powered by an externally (engine) driven hydraulic pump. PTO, pump, reservoir and hoses are not supplied with the crane. Flow and pressure requirements are 8 GPM and 2750 PSI. A proportional hydraulic valve in the manifold controls the crane's speed. All directional control valves are incorporated in a single manifold. The proportional and directional valves are cartridge type valves. A pressure compensated flow control system is used. With this system, excess flow is dumped at the pressure required by the operating function. Heat build up in the oil is kept to a minimum with this system.

CONTROL: Either a remote wire pendant or a FM radio remote control can be supplied for controlling the crane. The control provides directional control of the crane as well as a trigger for speed control. The radio transmitter includes a rechargeable battery system. A wire cable control is supplied with the radio control that can be used as a remote pendant control. The transmitter can be recharged through this cable. A charger for in cab battery charging is included. Engine controls can be incorporated into either pendant.

ROTATION SYSTEM: Rotation is 360 degree continuous and unlimited on a ball slewing ring type bearing with an external gear driven by a worm gearbox. The worm gearbox is driven by a low speed, high torque hydraulic motor. A bronze worm gear is used in the gearbox for best, smoothest operation.



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BOOM ELEVATION: The boom is capable of operating from -5 to +75 degrees. A double acting cylinder elevates the boom. The cylinder has an integral counterbalance valve. The counterbalance valve has three safety purposes. It will hold the cylinder in the event of hose failure, it controls the rate of boom descent and it functions as a relief valve. The cylinder rod is chrome plated and seals in the cylinder are of U-Cup design for best possible load holding capability.

BOOM EXTENSION: The boom on this crane extends under hydraulic power from 10 to 22 feet. Two hydraulic cylinders with an integral counterbalance valve extend the boom throughout its 12-foot extension.

LOAD SENSOR: A load sensor is included as standard equipment. The sensor is set up to limit overloads when using hoist up, boom extend out and boom down. Boom up is limited by the system's hydraulic pressure setting. When an overload is detected the load can be lowered to reset the overload sensor.

ANTI-TWO BLOCK: The 4064XP includes an anti two-block feature that prevents extending the boom against the traveling block and breaking the wire rope.

MOUNTING: Four 7/8" grade 8 hex head cap screws are required for mounting. Base plate is 17.5 x 17.5". Bolt pattern is 14.75" x 14.75". Mounting screws are not included.

BOOM REST: A boom rest is required to support the crane's boom while the vehicle is in motion. The boom rest can be purchased as an option from Liftmoore, Inc.

OUTRIGGER: An optional manual or hydraulic outrigger is available from Liftmoore, Inc. Outriggers are necessary to keep the truck as level as possible protecting the crane's rotation mechanism and the truck's suspension.

CHASSIS: Minimum recommended chassis for the 4064XP crane is 15,000 Lbs. GVWR

