

SUGGESTED SPECIFICATIONS LIFTMOORE MODEL 1032X and 1032XP CRANE

CAPACITY: Moment Rating 10,000 Ft.-Lbs. with capacities as follows:

*3200 Lbs. @ 3 Ft.
1428 Lbs. @ 7 Ft.
1111 Lbs. @ 9 Ft.
909 Lbs. @ 11 Ft.
666 Lbs. @ 15 Ft. (When ordered)

*Use travel block double line for loads above 2000 Lbs.

ANSI: The model 1032 crane has been strain gage tested to meet the requirements of ANSI B30.5.

HOIST WINCH: The hoist winch is a planetary gear design with a 3,000 Lb. capacity. The winch has a 21:1 planetary gear ratio and includes a safety brake with a one way clutch that releases on hoist up. The ratio between winch drum and wire rope diameters meets ANSI requirements. The winch is powered by a low speed, high torque hydraulic motor. Line speed (single line) is 34 FPM at 5 GPM. Double Line operation is required for loads above 2000 Lbs.

WIRE ROPE AND SHEAVES: The crane is supplied with 62 Ft. of ¼ In. galvanized aircraft cable. Minimum breaking strength of the wire rope is 7000 Lbs. The wire rope is outside of the boom and visible for operator's continual inspection. A traveling block for easy two part hookup is included. All sheaves meet ANSI B30.5 requirements.

HYDRAULIC SYSTEM: All crane functions are hydraulically powered by an engine driven hydraulic pump. PTO, pump, reservoir and hoses are not supplied with the crane. Flow and pressure requirements are 6 GPM at 2500 PSI. All directional control valves are incorporated in a single manifold. The pressure compensated flow control system dumps excess flow at the same pressure required by the operating function.

Proportional hydraulic control is available as an option (model 1032XP). This control system gives the operator of the crane variable speed control of each crane function. All functions are controlled through the remote pendant.

ROTATION SYSTEM: The hydraulic powered rotation is driven by a low speed, high torque hydraulic motor and drives through a 36:1 ratio self locking worm gear. The worm gear is an Aluminum Bronze Alloy. The worm is hardened Steel. The crane rotates 375 Degrees on two 3.75 In. ID tapered roller bearings. An electrical switch restricts the crane from continuous rotation.

BOOM ELEVATION: The boom is capable of moving from -5 to +75 Degrees. It is elevated by 3.0 In. bore double acting cylinder. The cylinder has an integral counterbalance valve with relief set at 2000 PSI. The counterbalance valve has three important functions. This valve holds the cylinder in the event of hose failure, it controls the rate of boom descent and acts as a relief when an overload condition is induced on the boom.



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BOOM EXTENSION:

1032X-11: The boom extends under power from 7 Ft. to 11 Ft. by a 2.5 In. bore, hydraulic cylinder. The cylinder is mounted inside the boom for protection and has a counterbalance valve integrally mounted with relief set at 2000 PSI. The counterbalance valve holds the cylinder in the event of hose failure and controls the rate of cylinder retraction.

1032X-15: Boom extends under power from 7 Ft. to 11 Ft. by a 2.5 In. bore hydraulic cylinder. The cylinder is mounted inside the boom for protection and has a counterbalance valve integrally mounted with relief set at 2000 PSI. The counterbalance valve will hold the cylinder in the event of hose failure and also controls the rate of cylinder retraction. The boom also has a manual telescoping section that can be extended from 11 Ft. to 15 Ft. with one intermediate position at 13 Ft.

LOAD SENSOR: A load limiting sensor is installed in the elevation cylinder. This sensor will shut down hoist up, boom out, and boom down when an overload is detected. The sensor will reset after the load is lowered.

ANTI TWO-BLOCK: An anti-two block system is included on all the 1032 model cranes. The anti two-block prevents extending the boom against the traveling block with the resulting potential for wire rope breakage.

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

MOUNTING: Four 0.50 In. x 2.5 In. long grade 8 Hex Head Cap Screws and Lock Nuts are supplied for mounting. The bolt pattern is 12 In. square and the mounting plate is 15 In. square.

ACCESSORIES: An Outrigger or Jackstand is necessary to keep the truck as level as possible. The load on the crane's rotation mechanism and the truck's suspension components is reduced by using one of these items. A boom rest is required to support the crane while the vehicle is in motion. Liftmoore can supply all of these options.

CHASSIS: It is advised that model 1032 cranes be mounted on a truck with a 10,000 Lbs or greater GVWR.

WEIGHTS:

1032X-11	840 Lbs.
1032X-15	890 Lbs.
1032XP-15	910 Lbs.



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