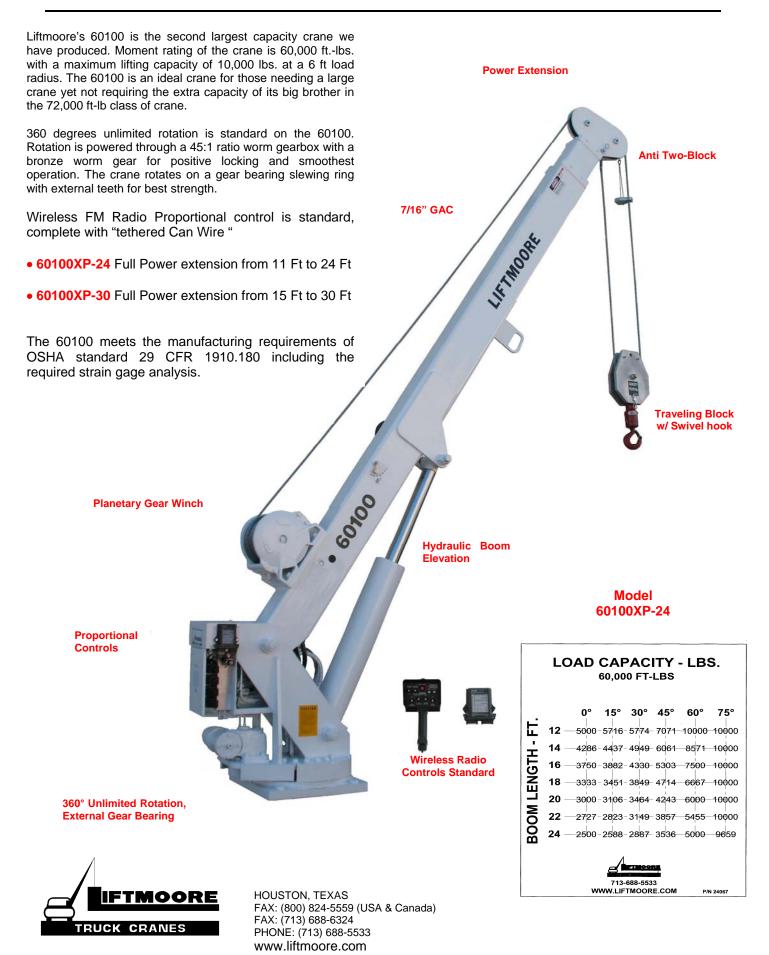
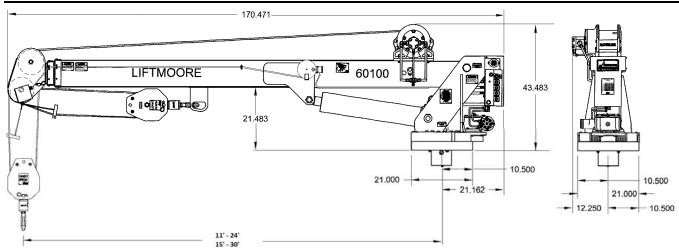
# LIFTMOORE 60100 CRANE

### 60,000 FT.-LB. MOMENT RATING 10,000 LB. MAXIMUM CAPACITY



## **60100 SPECIFICATIONS**



#### **MOMENT RATING:**

60,000 Ft.-Lbs.

#### HOIST WINCH:

A planetary gear drive hoist is included. This is the most efficient method of hoisting the load. Single line no load speed of the winch is 35 feet per minute with a 6 GPM flow rate. Winch drum to wire line ratio meets ANSI B30.5 requirements.

10,000 Lbs. @ 6 ft **	3,750 Lbs. @ 16 ft.
7,500 Lbs. @ 8 ft.**	3,333 Lbs. @ 18 ft.
6,000 Lbs. @ 10 ft.**	3,000 Lbs. @ 20 ft.
5,000 Lbs. @ 12 ft.	2,500 Lbs @ 24 ft.

\*\* Two part line required for loads above 5000Lbs.

#### WIRE ROPE and SHEAVES:

The crane is supplied with 100 Ft. of 7/16 in. galvanized aircraft cable. Minimum breaking strength of the rope is 17,600 lbs. The wire rope is outside of the boom and visible for operators continual inspection. A 5-ton travel block for easy two-part hookup is included. The hook includes a easy turning roller thrust bearing. All sheaves meet ANSI requirements.

#### BOOM:

The boom angle varies from -5 to +75 Degrees. Both the elevation and extension cylinders include an integrally mounted counterbalance valve for positive load holding. The boom extends on Nylatron slide pads for minimum friction.

60100XP-24: Power extension from 11 ft to 24 ft with a two stage Hydraulic cylinder.

60100XP-30: Power extension from 15 ft. to 30 ft. with a two stage Hydraulic cylinder.

#### **ROTATION:**

A ball bearing slewing ring is used for crane rotation. The ring has an external gear for greatest possible strength. The rotation gearbox is powered by a low speed, high torque hydraulic motor, which drives the 13,000 In-Lb rated bronze worm gear box providing a smooth, safe rotation mechanism. The gearbox uses roller bearings on all shafts for the longest possible trouble free life. The crane rotation is unlimited.



HOUSTON, TEXAS FAX: (800) 824-5559 (USA & Canada) FAX: (713) 688-6324 PHONE: (713) 688-5533 www.liftmoore.com

#### **RADIO REMOTE CONTROL:**

FM radio remote control is standard equipment on the 60100. This digital control includes the proportional controller for hydraulic flow and monitors the load sensor and anti two-block systems. It includes a system to reduce boom "bounce" during boom down operation. No mechanical relays are used with this control system. A battery charger is included.

#### **HYDRAULIC SYSTEM:**

Proportional hydraulic control is standard on the 60100. The system provides variable speed control of all crane functions with the remote control. For smooth operation and minimum heat buildup a pressure compensated flow control system is used. A series control circuit is used so that more than one function will operate simultaneously until maximum pressure is reached.

#### **POWER SOURCE:**

The crane requires both Hydraulic and 12 VDC electric power. Hydraulic flow and pressure requirements are 8 GPM and 2750 PSI. An on-off switch, fuse and 25 ft of 10 gauge wire are supplied for standard truck installation.

#### **ENGINE CONTROLS (OPTIONAL):**

Engine start, stop and speed control can be included with the remote control. A separate receiver is used in conjunction with the FM controls so that unrestricted rotation is maintained. Truck must be equipped for remote operation

#### LOAD SENSOR

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

#### **ANTI TWO-BLOCK:**

The anti two-block is standard on this crane and prevents extending the boom against the travel block with possible breakage of the cable

#### MOUNTING: A minimum 26,000 Lb. GVWR recommended.

Four 1-1/4" Grade 8 bolts are required. Bolts are not furnished. The crane mounts on a 21" square base plate with a 15.5 in. X 18.5 in. bolt pattern.

#### **ACCESSORIES:**

An outrigger is needed for stability requirements of OSHA 1910.180. A Boom rest is also required. Liftmoore offers both as options.