

**FMC**

Link-Belt®

**LS-78**

Wire Rope Crawler Excavator/Crane





# LS-78 Flexibility

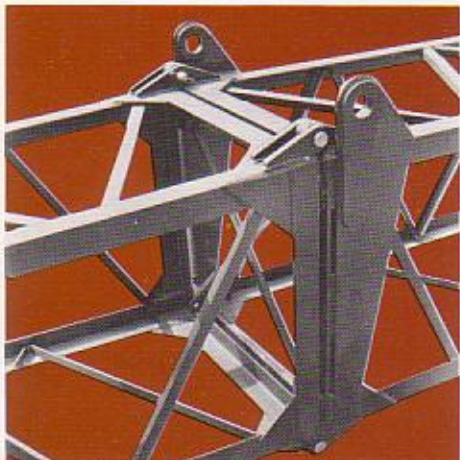
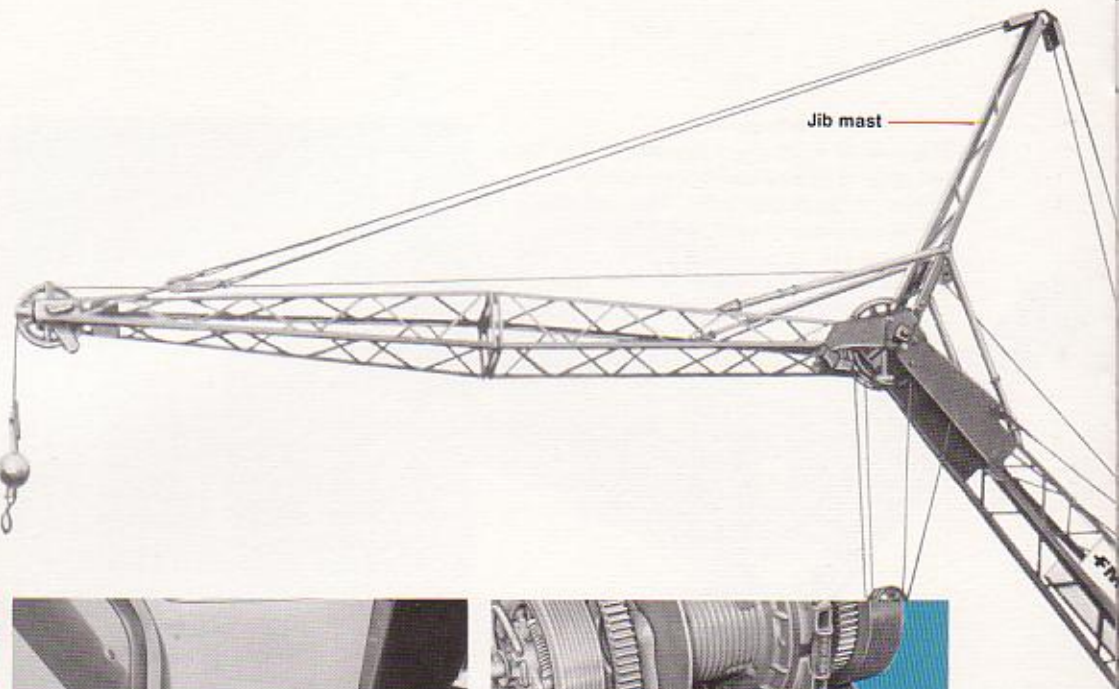
Options to tailor the machine to the job

## Wide choice of options

The flexibility of the Link-Belt® excavator/crane Full-Function design results in the availability of options, all designed to maximize the usefulness and productivity of the LS-78, unmatched by other cranes.

With the optional independent swing and travel, the LS-78 is able to swing while traveling, or travel while swinging for greater on-the-job maneuverability.

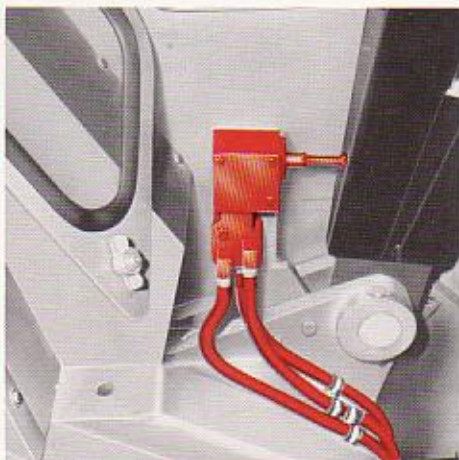
Tailor the LS-78 to the job from a wide choice of options to meet varied job application requirements. The result is increased on-the-job machine and load handling capability for increased profits.



Pin-connected angle boom

## Boom attachment

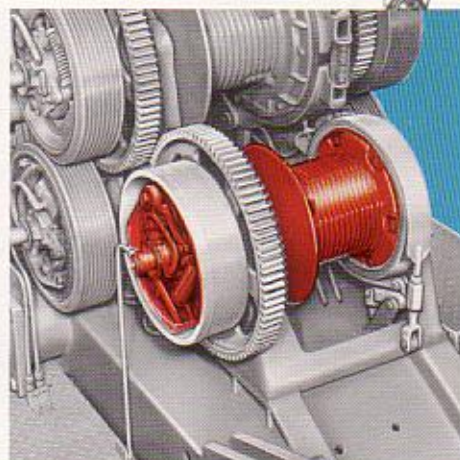
The Link-Belt 17-30 ton (15.42-27.21 metric ton) LS-78 lift crane is available with a **pin-connected angle boom**. Basic boom is either 30' (9.14 m) or 35' (10.67 m) in length, with extensions available from the 30' (9.14 m) to 80' (24.38 m) and from the 35' (10.67 m) to 100' (30.48 m). A 20' (6.10 m) bolt-connected angle jib is available, with a 10' (3.05 m) extension up to a maximum jib length of 30' (9.14 m). Jib mast is equipped with equalizer sheaves for frontstay and backstay lines, and a deflector sheave mounted on anti-friction bearings for the jib hoist line.



Boomhoist limiting device

## Boomhoist limiting device

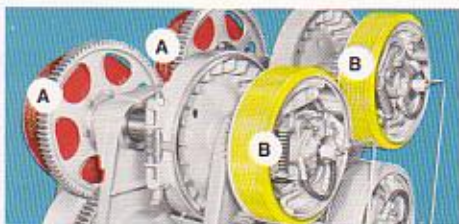
This device is for added safety in close-radius booming. When the boom approaches minimum radius, it actuates a diverter valve, disengaging the boom raising clutch and simultaneously engaging the boomhoist brake.



Third rope drum

## Third rope drum (optional)

A gear-driven third drum is available. Particularly valuable for "snaking in" a load, the third drum is high in line speed and rope capacity and is completely independent of all other machine functions.



Two-speed rope drums

## Two-speed rope drums (optional)

For specialized applications, 2-speed gear driven rope drums are available. Clutches (A) operate at standard hoist line speed. Clutches (B) operate at 90% higher than standard speed. However, with this arrangement, clutch-controlled power load lowering is not available. Loads must be lowered on the drum brake(s).





Two-speed, planetary driven hoist/lowering rope drum

## **Two-speed, planetary driven hoist/lowering rope drum (optional)**

An exclusive, independent planetary arrangement can be mounted at either or both hoist and lowering ends of extended drum shafts. The planetary arrangement can provide up to 70% increased speed or 40% decreased speed for either hoisting or lowering. Standard speed is retained for swing, travel, boomhoist and third drum. Engaging the 2-shoe clutch provides standard rope drum speed. This option will greatly increase machine production.

## **Auxiliary two-shoe rear drum brake (optional)**

The addition of the auxiliary 2-shoe rear

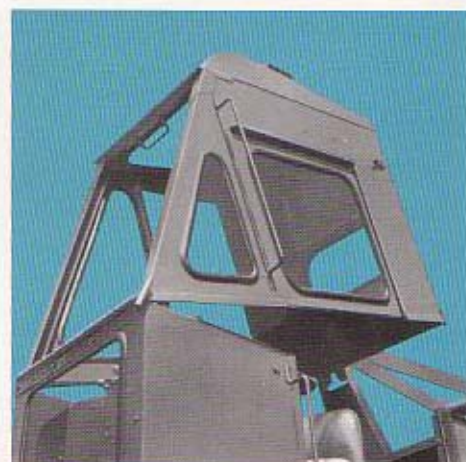
drum brake nearly doubles the rear drum total effective braking area. The brake is power hydraulically applied with a variable pressure control valve interconnected with the standard drum brake linkage for simultaneous engagement of both drum brake band and shoes. When the rear drum auxiliary brake is installed, power load lowering, planetary lowering or 2-speed gear-driven hoist are not available.

## **Elevated operator's cab (optional)**

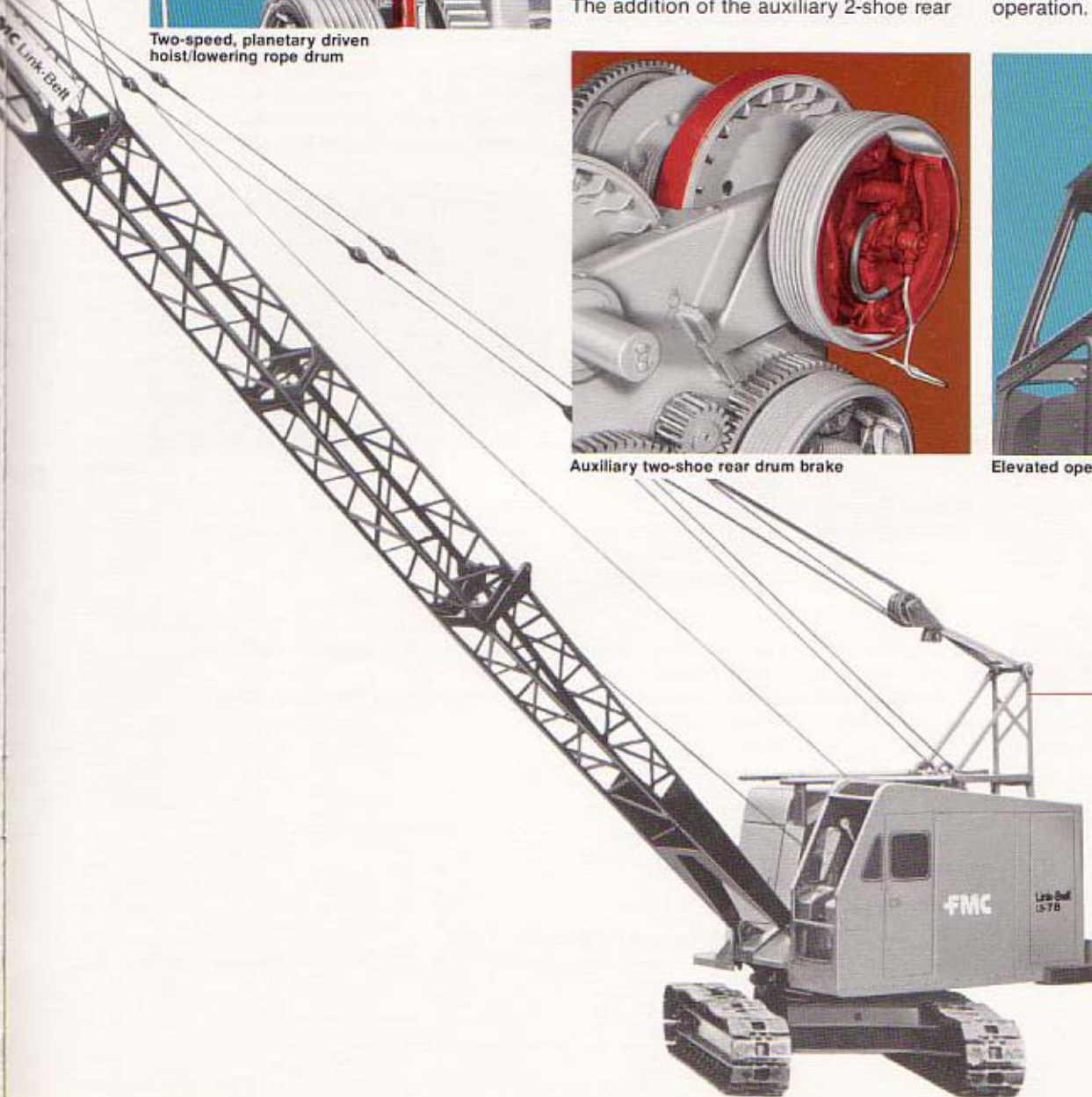
4' (1.22 m) above the standard position is available. This option puts the operator up where he can see his work on specialized loading jobs. The result is greater speed of operation.



Auxiliary two-shoe rear drum brake



Elevated operator's cab



Retractable gantry