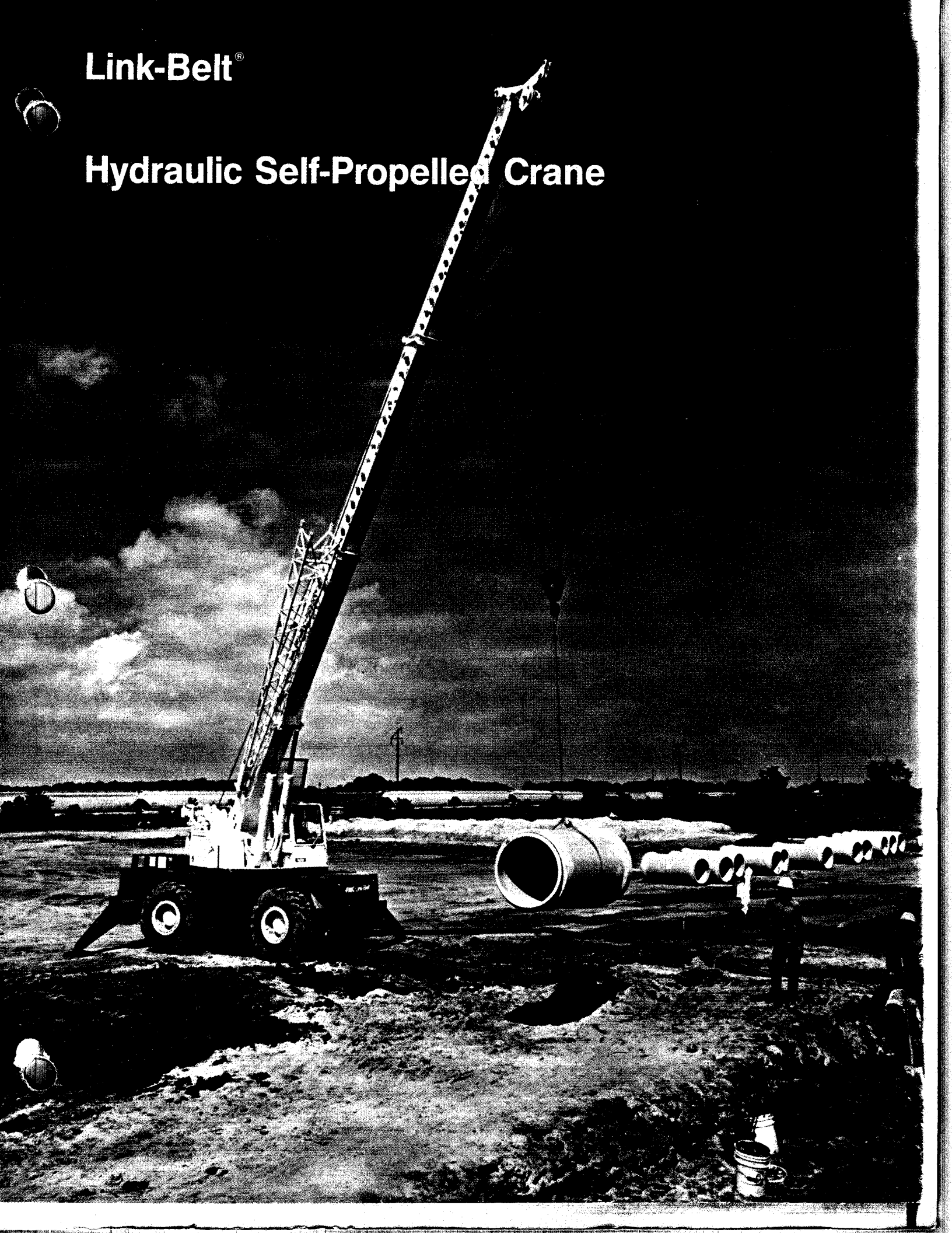


Link-Belt®

Hydraulic Self-Propelled Crane

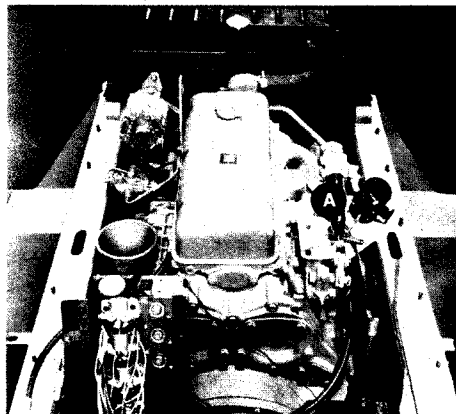
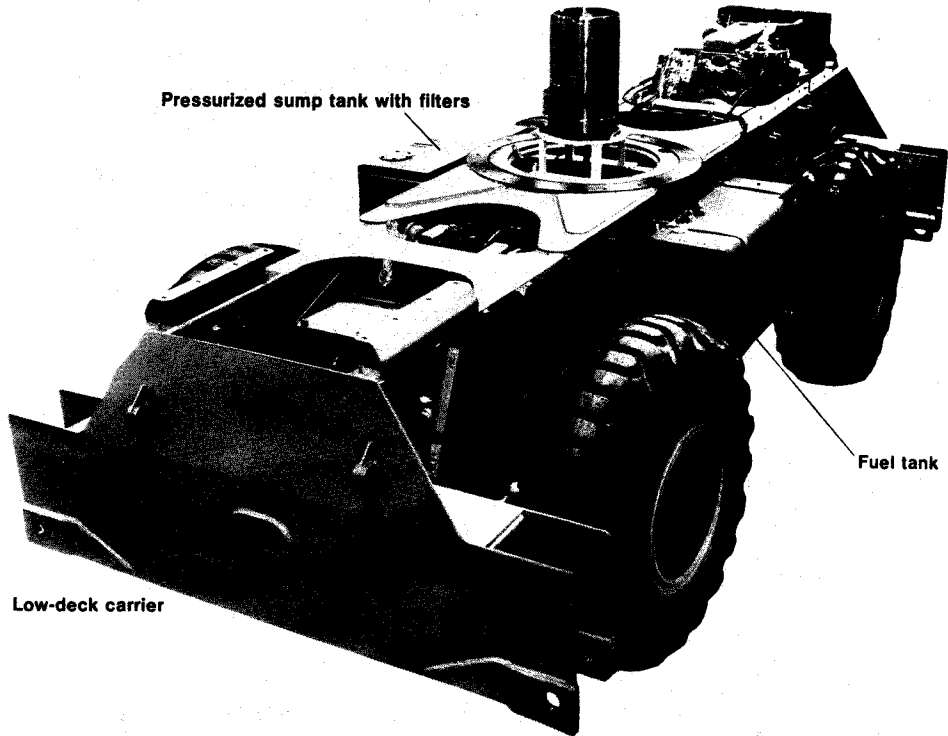


FMC's new hydraulic self-propelled crane with low-deck carrier design

Results in greater travel and operating stability

FMC now offers the new 15-ton (13.61 metric ton) Link-Belt® HSP-15 hydraulic self-propelled crane. The carrier design concept features a **low-deck carrier** with lowered **diesel engine mounting**. The result is a lower crane center of gravity for greater travel and swing stability and increased on-tire lifting capacity in the operating ranges. Also, results in increased visibility.

The diesel engine mounting with accessories, radiator, and the power shift transmission, are rubber mounted to the carrier frame. A sliding hood allows for access to the engine. Air cylinder (A) controls the diesel engine throttle. It is ideal for initial engine start-up when air pressure is low, providing a high idle engine speed. Air pressure for brakes, air throttle, transmission shift and rear axle disconnect is in the engine-driven air compressor.

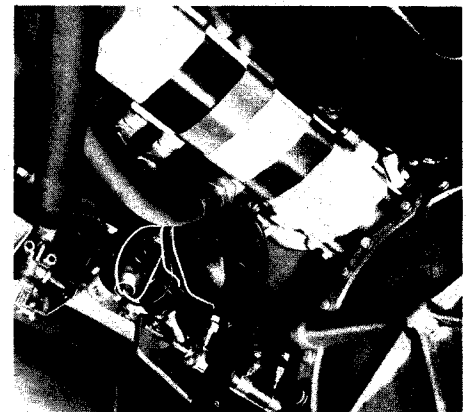


Diesel engine mounting

The HSP-15 is designed for maneuverability as well as for lifting. The carrier is equipped with a 4-speed (two

range) automatic shift **transmission** controlled by a single operator control lever. An air cylinder shifts the transmission into reverse, neutral, low and high speeds.

For maneuverability, **hydraulic steering** with 2-wheel, 4-wheel, and crab-style steering are possible. All are coordinated with the steering wheel. Steering mode selection switch, plus visual rear wheel position indicator are located in the control console.

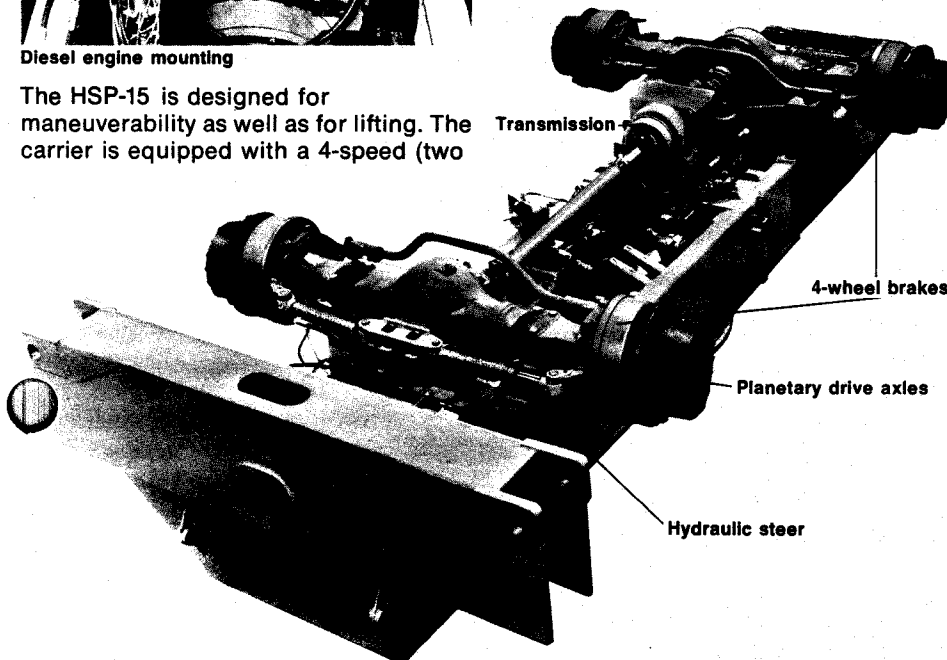


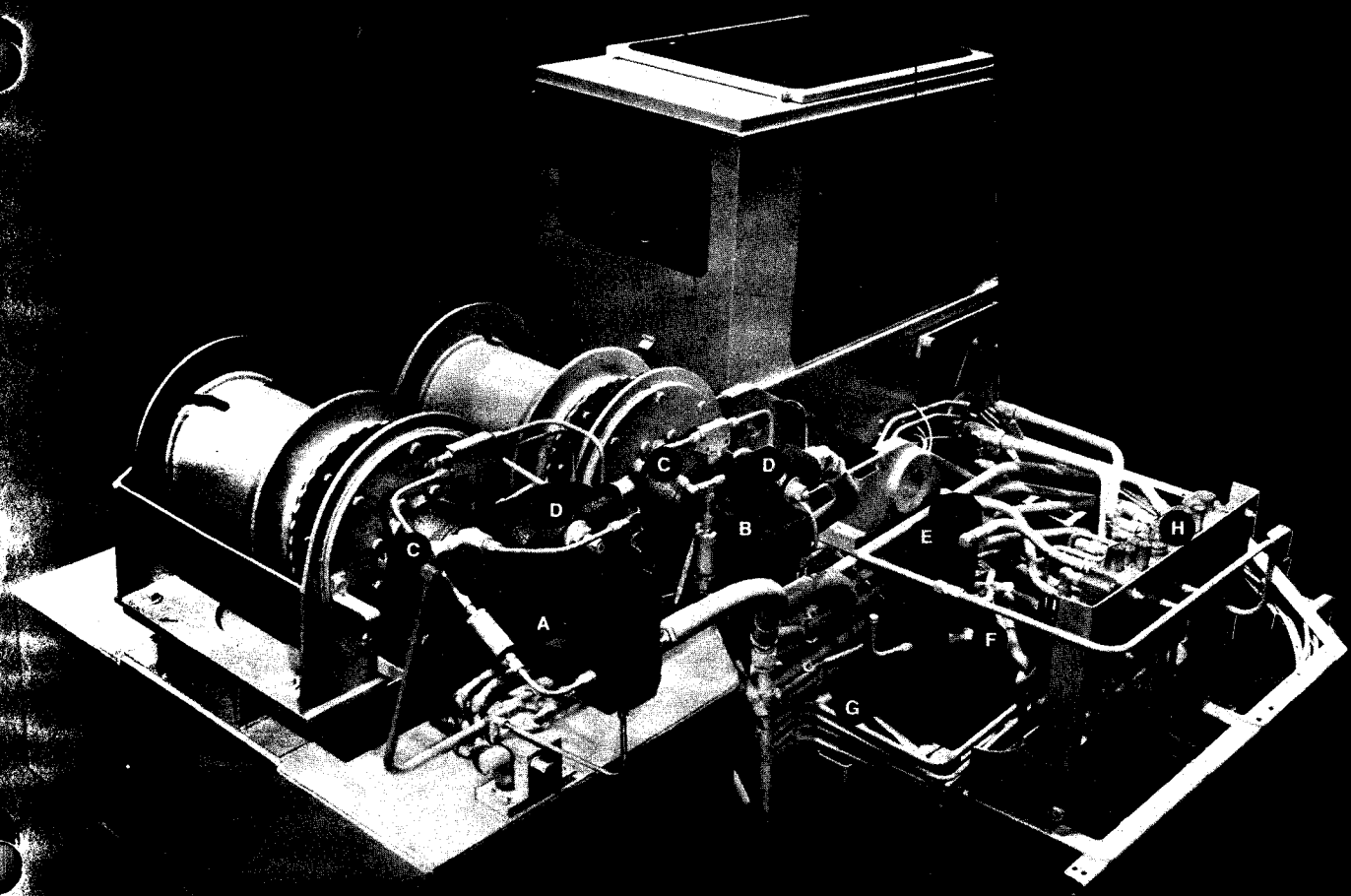
Hydraulic pumps

Hydraulic, air assist, **4-wheel service brakes** with front wheel spring applied, air released emergency and parking brakes are standard.

The front and rear **planetary drive axles** are equipped with a high traction differential. They allow one wheel to assume up to 60% of the available axle torque for traction on uneven ground.

The gear-type **hydraulic pumps** are powered by an extended engine/transmission drive shaft for providing a continually rotating pump drive.

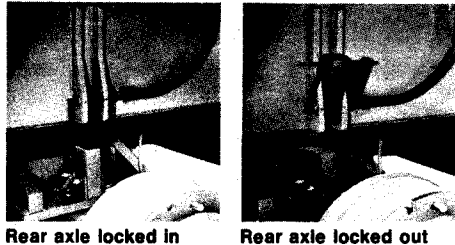




Unique boom design embossed with diamond-shaped depressions

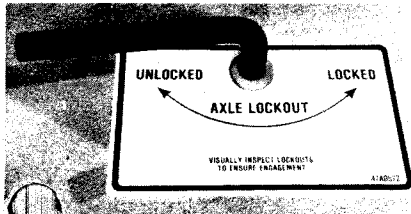
Main boom 25' - 60' (7.62 m - 18.29 m) plus 20' (6.10 m) fly

The HSP-15 is equipped with a 3-section, 25' - 60' (7.62 m - 18.29 m) power boom. Also available is a 20' (6.10 m) fly, which will swing into the stored position to the right side of the base boom section. The fly can be easily stored with the flared centering device for fast fly-to-boom storage.



Rear axle locked in

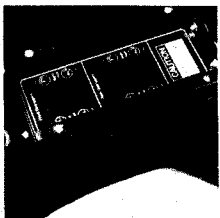
Rear axle locked out



Axle lock out control

The HSP-15 rear axle oscillates when travelling over uneven ground. For a rigid lifting base, the rear axle may be **locked in** and **locked out** by manually controlled locks.

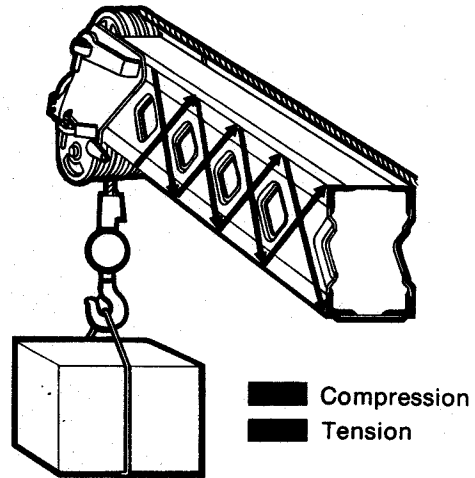
Hydraulic pivot-type outriggers are standard. **Outrigger controls** are located in the operator's cab. Floats are hinged to the ends of the outriggers.



Outrigger controls

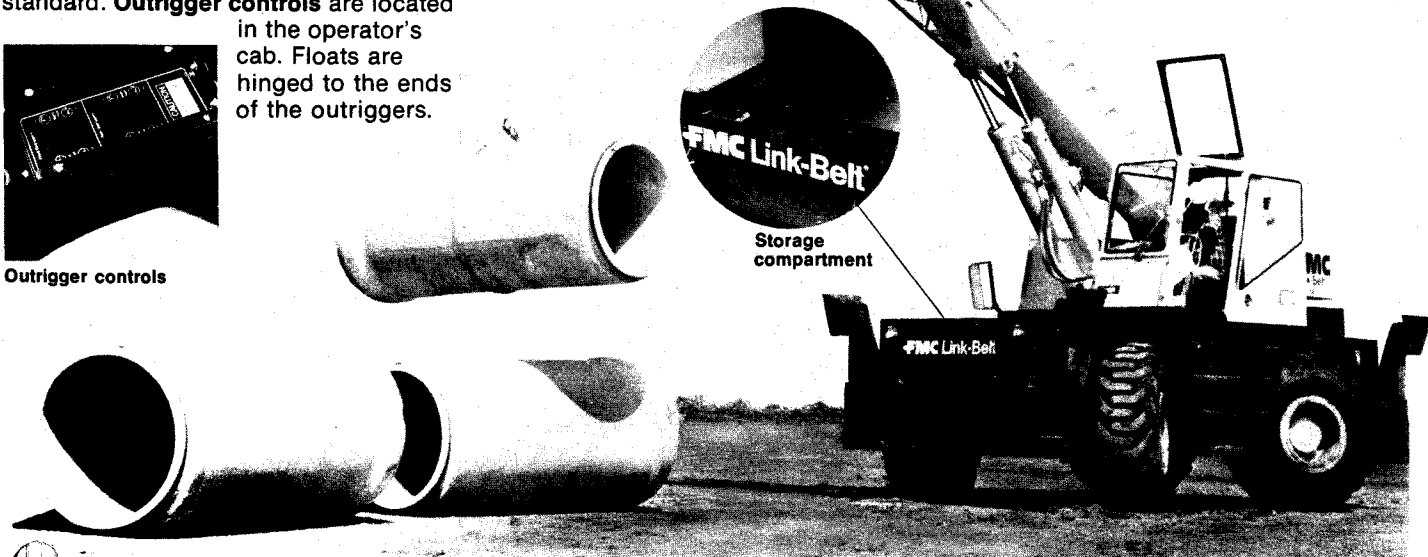
The new standardized electrical circuit identification system has been incorporated in the design of the HSP-15 for increased performance and simplified service. This system employs manual reset circuit breakers instead of fuses. A carrier **storage compartment** is standard.

FMC's exclusive boom design (patented) is an engineering achievement. The design utilizes minimum gauge steel plate. Side plates are embossed with diamond-shaped depressions. This allows the use of lighter weight plate while increasing boom strength and stiffness. The diamond shape allows the natural flow of boom stresses (both compression and tension) and thus avoids high stress risers when a load is lifted.



FMC's exclusive boom design (patented)

To eliminate undesirable boom corner welds, the steel plates are welded to specially machined corner angles for greater strength and reliability. Also, for lubricating the rear boom wear shoes, fittings are mounted externally.



We are constantly improving our products and therefore reserve the right to change designs and specifications.

FMC Corporation Crane and Excavator Division World Headquarters Cedar Rapids Iowa 52406
 Plants in Cedar Rapids Iowa (2) • Lexington & Bowling Green Kentucky • Ontario Canada • Milan Italy • Queretaro Mexico & Nagoya Japan (under license)