

LIFTKING®

NEW "M" SERIES Forklifts

**Model LK10M22**  
Capacity: 5000KG @ 600 mm



MOVING YOUR FUTURE





# NEW "M" SERIES All-Terrain Forklifts

For over 30 years, Liftking® – the material handling specialists, have been meeting the challenges faced by today's industries. Liftking® introduces its recently improved "M" Series forklifts, featuring exceptional ground clearance, easy access to service points, ergonomic controls and easy operation. Quality and reliability are the hallmarks of all Liftking® forklifts – backed by the technical support and service of an extensive dealer network.

## SPECIFICATIONS

### ENGINE

Make / Model	Perkins 1104C-44	Cummins 4B4.5-C80
Aspiration	Natural	Natural
Cylinders	4	4
Bore	3.937 in (100 mm)	4.02 in (102 mm)
Stroke	5.0 in (127 mm)	4.72 in (120 mm)
Compression Ratio	16.5:1	17.3:1
Displacement	243 cu.in.	3.9 lts.
Rated Speed	2600 rev/min	2500 rev/min
Engine Horsepower	86 bhp (64kw)	80 bhp (60kw)
Max. Torque	208 lb. ft. (282 N.m.)	201 lb. ft. (273 N.m.)
Speed at Max. Torque	1400 rev/min	1200 rev/min

### AXLES

#### STEER AXLE

Type	Heavy Duty industrial, single cylinder, fixed track 2WD fabricated, 4WD cast steel
Oscillation	22 degrees
Steer Angle	2WD: 65 degrees, 4WD: 30 degrees
Static Rating	40,000 lb.

#### FRONT DRIVE AXLE

Type	Heavy Duty final drive outboard planetary
Differential Lock	Electric, solenoid operated
Static Rating	40,000 lb.

### STEERING

Type	Hydrostatic single cylinder with manual override when engine is idling or stationary
Right Angle Stack	234 in (5943 mm)
Steering turns - lock to lock	4
Steer pump pressure	1800 psi
Turning circle	11.5 ft. (3.5m)
Between curbs (no brakes)	17.5 ft. (5.3m)

### HYDRAULIC SYSTEM

PUMP	
Type	Gear
Flow	30gpm (65.8 l/min)
Pressure	2500psi (156bars)
FILTRATION - suction	
Control valve	Std. 3 spool sectional. Optional 4, 5 or 6 spool

### BRAKES

Type/Location	Fully enclosed inboard wet disc on drive axle
Working Area	347 in sq. (2236 cm sq)
Actuation	Hydraulically operated
Parking Brake	Hand Operated

### DRIVE TRAIN

Transmission	Powershuttle
Speeds	4 forward / 4 reverse
Torque Converter Ratio	2.87:1
Direction change	Solenoid operated finger flick switch
Gear Selection	'H' pattern single lever fully modulated pressurized oil cooled hydraulic reverse packs
Gearbox	Full synchromesh
4WD PTO drive	Side mounted pod with solenoid operated box on-the-go push button engagement
Speed	Max 30 km/hr

### ELECTRICS

Voltage	12 volt neg. ground
Battery Capacity	1000 A/H
Alternator capacity	45 A*
Safety Start	Yes - gear and direction change
Lighting	2 Work lights-front. 2 Flasher lights
Circuit breakers	12 volt neg. ground

\*Higher Output Available

### TIRES

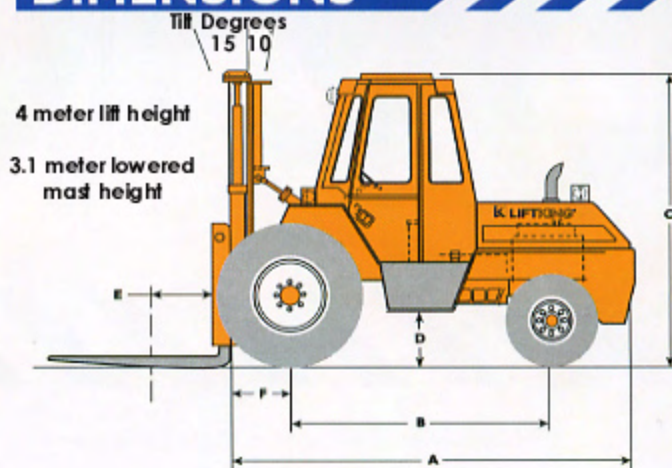
Steer	2WD STD 11L - 16 10 Ply
Drive	2WD STD 16.9x24 10 Ply R4

\*Optional Tires Available.

### CAPACITIES

Fuel Tank	21.0 gals (79.6 litres)
Engine Oil and Filter	2.0 gals (9.4 litres)
Hydraulic System	21.0 gals (79.6 litres)

## DIMENSIONS





### Soft-Shift

#### Powershuttle Transmission

'Powershuttle' is a true soft-shift transmission featuring large capacity modulated and oil cooled clutch packs, for smooth directional changes under full power. 'Hands on' fingertip switch selects forward/reverse for optimum cycle times. The single stage torque converter has a high stall ratio (2.87:1), for shock-free power transmission, maximum traction and loader bucket penetration.



### Ergonomic Controls

#### Functional Cab

All New "M" Series forklifts offer a comfortable and functional operating environment. The suspension seat offers optimum driver comfort and support. The cab provides excellent visibility in all directions for improved safety on the job site. New "M" Series forklifts controls have been carefully located for ease of use and to maximize operator productivity. Tilt steering is also standard equipment.



### Two Wheel Drive

The New "M" Series forklifts set new standards in performance. A high load capacity axle, 65 degree steer angle giving a very tight 17 ft. turning circle, single cylinder steering, zero camber angle for better road-ability, sealed-for-life pivots, and track rods safely recessed behind the axle housing.



### Four Wheel Drive

Four Wheel Drive is through a transmission-mounted drive pod, and is engaged on-the-move in all 4 gears by push button operation. 22 angle axle oscillation ensures maximum ground contact and traction, and the 30 degree steer angle achieves a very tight turning circle of 17ft.

### Full Synchromesh

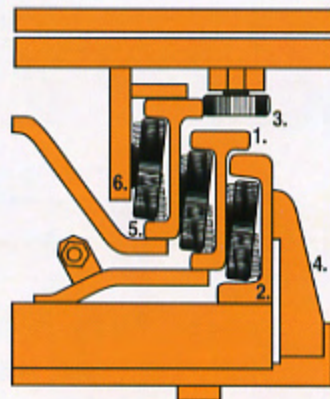
All 4 forward and reverse gears are synchromesh, ensuring smooth, on-the-move gear changing. Gear ratios have been carefully selected to provide a well balanced spread of working ratios for all applications. The conventional 'H' pattern gear lever has a thumb operated 'dump' button for de-clutching.



### STRONG I-BEAM, ALL ROLLER UPRIGHTS

Top productivity over the long term depends upon the reliability of this major carrying component. Innovative design and strong upright construction add value to your forklifts investment.

1. Heavy duty 'nested rails' are full channels and I-sections specially rolled to provide maximum section strength where it's needed.
2. Canted rollers provide low friction rolling contact under normal and unbalanced conditions caused by uneven carriage loading.
3. Slide thrust roller on the carriage fork bar prevent inner rail spread when unbalanced loads are handled.
4. Wrap around tie bars are precision welded to outer channels. These thick tie bars minimize rail spread and twist.
5. Carriage and upright rollers are canted in opposite directions from top to bottom. This design helps rollers operate in the strong radius area and upright rails while providing rolling contact under varied load conditions. Carriage and upright rollers feature flexible seals that aid in retaining lubricant as normal wear occurs.
6. Roller shims are inserted on the roller shafts so proper operating clearance can be maintained. The shimming procedure is simple and effective for both carriage and upright rollers.



*The information contained herein is general in nature and it is not intended for specific purposes. Lifting reserves the right to make changes in specifications shown, herein, and improvements, or discontinue manufacture at any time without notice or obligation.*



A. Overall length - back of forks	151.0 in (3835 mm)
B. Wheelbase	81.0 in (205.7 mm)
C. Height over canopy	100.0 in (2540 mm)
D. Ground clearance	12.0 in min (304 mm)
E. Load centre -	24.0 in (610 mm)
F. Forward projection	34.0 in (864 mm)
Track - Drive Tires - 2WD/4WD	62.2 in (1581 mm)
Track - Steer Tires - 2WD	64.9 in (1648 mm)
IWD	73.9 in (1854 mm)
Overall width	84.0 in (2132 mm)
Weight (approximate)	18,400 lb.