

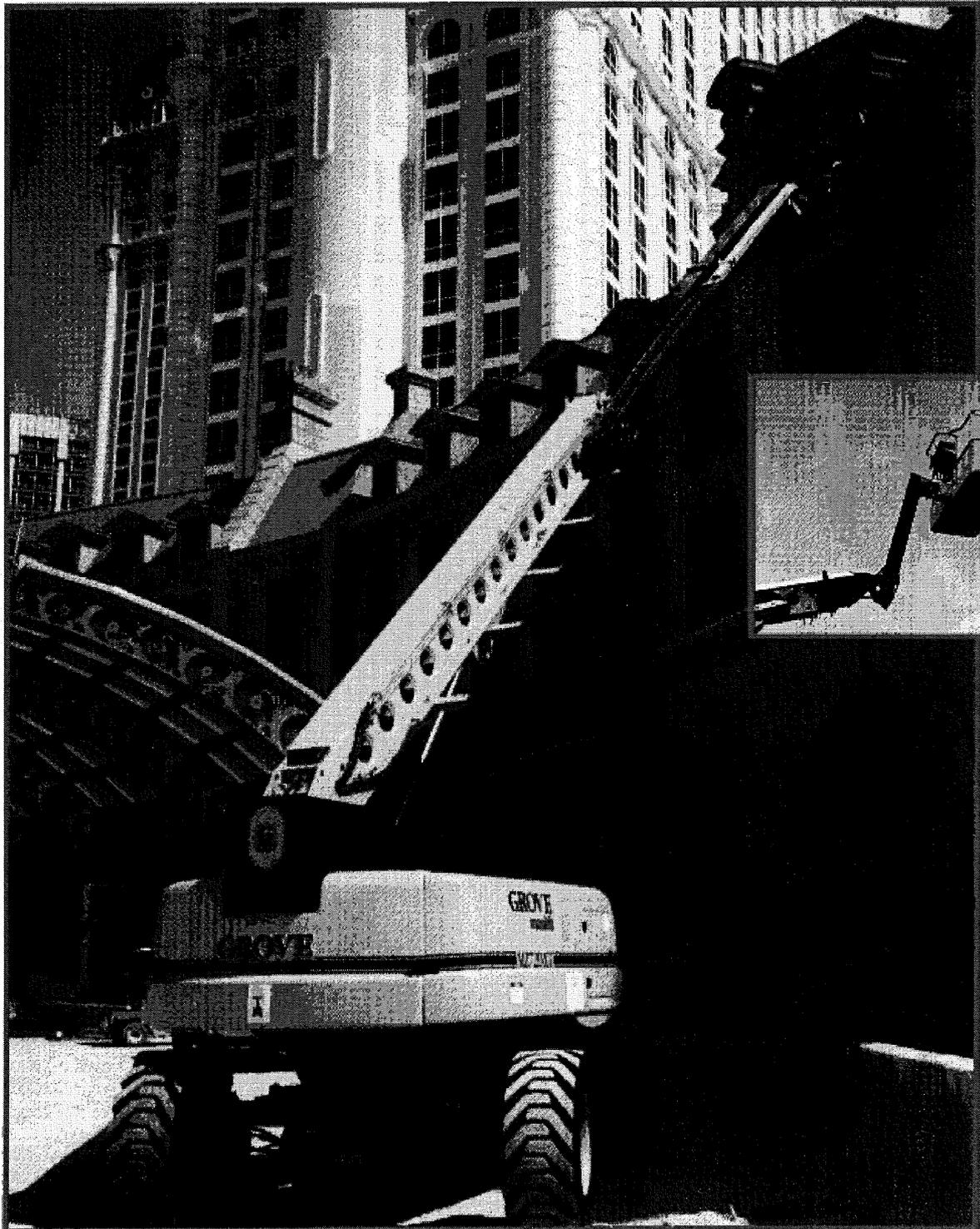


GROVE[®]
MANLIFT[®]

A GROVE WORLDWIDE COMPANY

MZ66D/66DXT MZ72D/72DXT

Self-Propelled Aerial Work Platforms



Grove Manlift's all new series of 60 ft. (20m) straight booms combine outstanding performance and versatility with a clean, mechanic friendly design. The work horse MZ66D offers unsurpassed reach for increased productivity on the job. The versatile MZ72D adds a 6 ft. 6 in. (2m) articulated jib for accessing limited space areas such as in petrochemical facilities and industrial plants.

Check these features!

- 66 ft. (20.0 m) and 72 ft. (21.9 m) work height
- Industry leading 55 ft. (16.7 m) horizontal reach
- Unrestricted platform capacity of 500 lbs. (227 kg).
- Proportional controls for smooth operations.
- All steel boom featuring the exclusive Grove V-trap design.

Standard Equipment

Platform

All-welded 36 x 72 in. (0.91 x 1.8 m) tubular steel end mounted work platform assembly with inside handrails, self-closing swing gate and 155° hydraulic platform rotator. 44 in. (1.12 m) high railings with 6 in. (0.15 m) toeboard

110V AC wiring to platform with ground fault interrupter, plug and junction box on turntable, and two outlets on platform.



Optional 36 x 94 in. (.91 x 2.4 m) platform provides 23.5 square feet (2.2 m²) of work space.

Controls

Upper control panel features proportional joystick controllers. Drive controller features rocker type thumb steer switch for convenient one-handed operation.

Non-proportional control switches for platform level and platform rotate. Selection switches for function speed and high/low engine idle. Control enable system* with foot pedal and indicator light.

Push buttons for auxiliary power, engine start, choke, emergency stop and driving horn. Boom cable backup light.



Proportional controls provide smooth machine functions.

Lower control panel features non-proportional control switches for lift, telescope, swing, platform level and platform rotate. Selection switches for lower/upper controls, and auxiliary power. Also included are a voltmeter, hourmeter and ignition switch.

Lockable master power disconnect switch.

The MZ72D series utilizes, as standard, an operation zone system to maximize the working range. This automatic system prevents the operator from lowering the work platform into an unsafe area, of the working range, of the MZ72D series. The operation zone display, centrally located on the upper control box panel, visually informs the operator of a GO/NO GO situation.

Boom

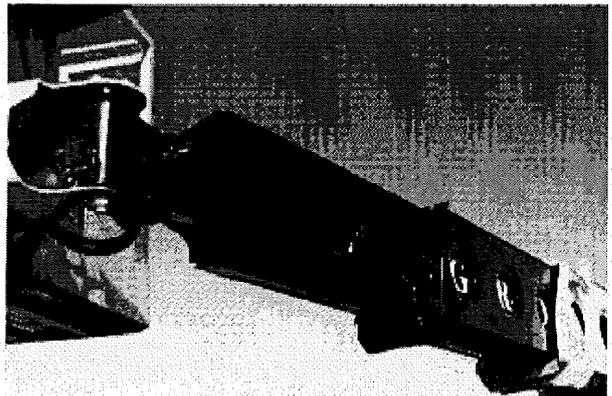
All-steel, 3-section, V-trap, vierendeel embossed boom with mid-section extension by a single stage double-acting hydraulic cylinder with integral load holding valve. Synchronized extension of fly section by leaf-chain with cable backup.

6 ft. 6 in. (2.0 m) articulated jib (MZ72D only) provides 140° of movement (+75° to -65°).

External boom power guide routes hydraulic and electric lines to the platform.

Double-acting lift cylinder with integral load-holding valve elevates the boom and incorporates a soft stop feature at full elevation.

Ball bearing swing circle with 360° continuous superstructure rotation. Planetary double reduction gearbox with hydraulic motor and spring-applied hydraulically released brake. Plunger-type mechanical house lock.



Power Plant

Ford LGR-4.23 4-cylinder water cooled dual/fuel engine with 60 hp (44.7 kW) @ 2,800 rpm.
12-volt DC negative ground battery with 700 CCA @ 0° F (-17°C).
27 ga. (102 litre) steel fuel tank with sight gauge.

Hydraulic System

Pressure/flow compensated, variable displacement axial piston pump with 26 gpm (98.4 lpm).
Maximum system operating pressure of 3500 psi (241 bar).

Electrically activated consolidated valve bank provides simultaneous function capability.
Pressure control valve protection for each hydraulic circuit.

Chassis

Two-wheel, two-speed planetary drive hubs on the front wheels.

Counterbalance valve provides dynamic braking.
Automatic spring-applied, hydraulically released disc type parking brakes on the drive wheels.

Four-wheel steering.

All motion alarm.

Lift/tie down lugs.

Options

- Deutz F4L-1011F 4-cylinder air-cooled diesel engine with 60 hp (33.6 kW) @ 3,000 rpm.
- 94 in. (2.4 m) steel platform with self-closing swing gate.**

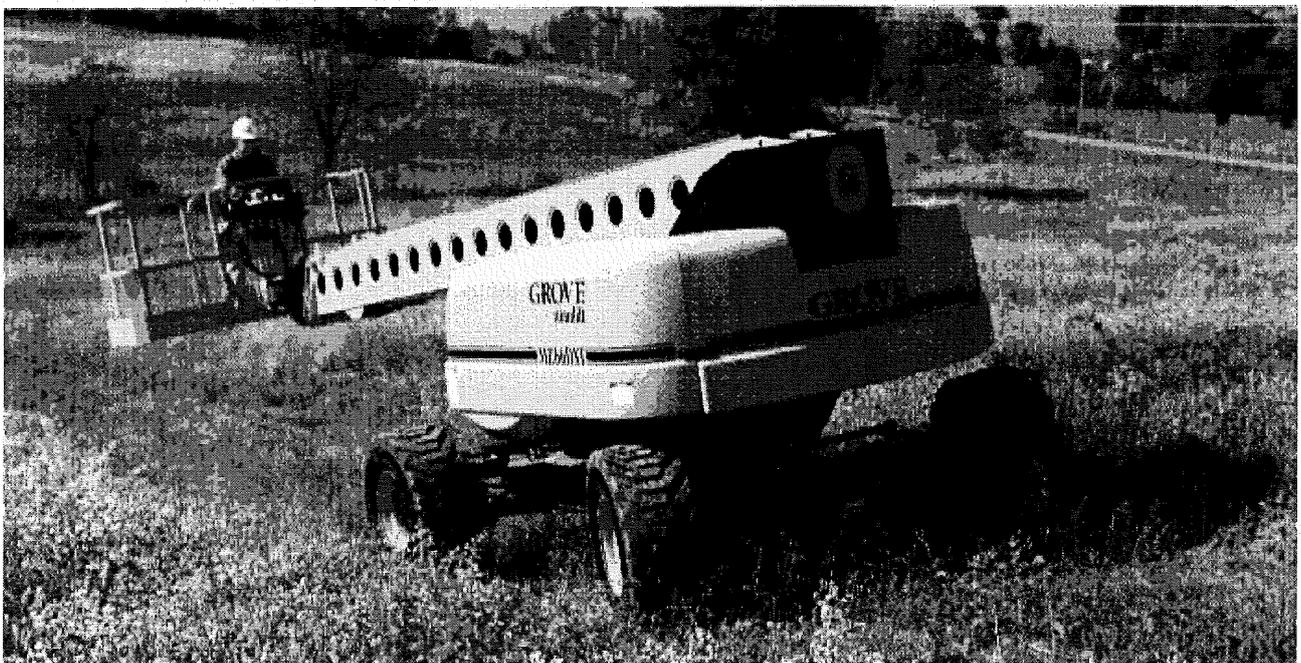


Gull wing doors provide outstanding accessibility.

- Enclosed upper control box cover.
- 2,000 watt 100V AC generator.
- Air power to platform.
- Platform work lights.
- Amber strobe lights.
- Travel lights (drive and reverse).
- Four-wheel drive.
- Hostile Environment Protection Package.
- Oscillating rear axle.
- Exhaust scrubber (diesel only).
- Weld lead to platform.
- Oxygen/Acetylene lines to platform.

**Denotes patented Grove feature.*

***Increases GVW by 300 lbs. (136 kg)*



Superior gradeability in both 2- and 4-wheel drive.*

Specifications

MZ66D/MZ66DXT

MZ72/MZ72DXT

Platform:

Working Height	66 ft. (20 m)	72 ft. (21.9 m)
Platform Height	60 ft. (18.3 m)	66 ft. (20 m)
Horizontal Reach	55 ft. (16.7 m)	55 ft. (16.7 m)
Platform Capacity	500 lbs. (227 kg)	500 lbs. (227 kg)

Dimensions:

Platform size (Steel)	36 in. x 72 in. (0.91 x 1.8 m)	
Overall Height (Stowed)	7 ft. 10 in. (2.4 m)	8 ft. 1 in. (2.46 m)
Overall Length	28 ft. 1 in. (8.6 m)	34 ft. 3.5 in. (10.4 m)
Overall Width	8 ft. 6 in. (2.59 m)	
Wheelbase	9 ft. (2.74 m)	
Turning Radius Inside	6 ft. 6 in. (1.98 m)	
Turning Radius Outside	14 ft. 2 in. (4.32 m)	
Ground Clearance	12 in. (0.30 m)	

Performance:

Speed

2-Wheel Drive	4.0 mph (6.43 kph)
4-Wheel Drive	3.7 mph (5.95 kph)

Gradeability (Theoretical)*

2-Wheel Drive	30%
4-Wheel Drive	50%

Tire Size	12 x 16.5 Loader Lug
Tire Fill	Air

Power Source:

Engine Make/Model	Ford LRG4.23
Engine Horsepower	60 hp (44.7 kw)
Fuel Tank Capacity	25 gal. (95 liters)

Hydraulics:

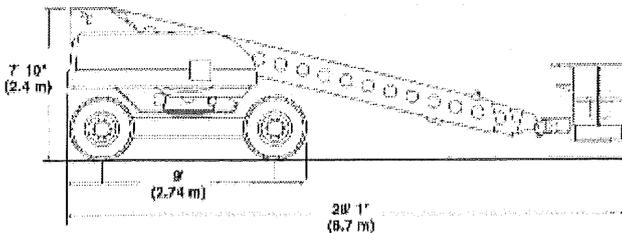
Reservoir Capacity	36 gal. (136.3 liters)
Hydraulic Pump Type	Axial Position
Auxiliary Power	Std.

Shipping Information:

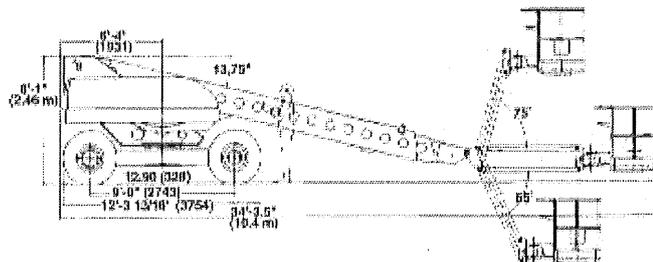
Weight	23,600 lbs. (10,704 kg)	25,300 lbs. (11,476 kg)
Shipping Cube	1,508 cu. ft. (42.7 m ³)	1913 cu. ft. (54.1 m ³)

*Published machine gradeability is theoretical. Machine to be in a stowed driving position. Always operate machine on a firm, level surface when elevated.

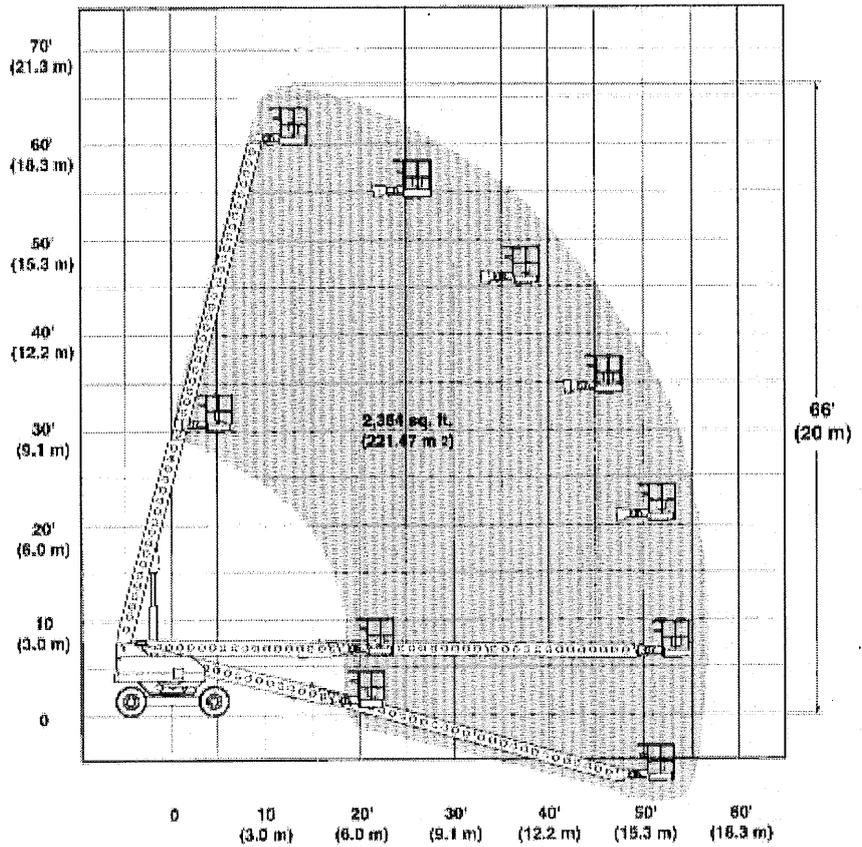
MZ66D Dimensions



MZ72D Dimensions



MZ66D



MZ72D

