

SPECIFICATIONS

GENERAL

The work platform consists of a diesel driven, two (2) wheel drive, four wheel steer undercarriage with four (4) section telescopic column. The column supports a large bearing onto which a work platform is attached.

The machine is supplied with an alarm when the drive and hydraulics are running, A cable remote console with 6 feet of cord and optional 15 ft extension is used for driving, positioning, raising/lowering, and rotating.

LOADING RATING

The machine is supplied with removable hand rails around the platform and a hydraulically driven retractable stairs for ease in loading and unloading personnel or other equipment. There is a 10 person maximum at any one time. Static point loading is restricted to 5,000 lbs at a maximum of 8 foot radius from central axis, 20,000 lbs evenly distributed over platform. The decking has a nominal rating of 300 psf.

TRANSPORT

The machine is equipped with a 65 HP diesel engine. Manoeuvring of platform is accomplished by either two (2) wheel, four (4) wheel synchronized or four (4) wheel crab hydraulic power steering.

CONTROLS

All functions controlling orientation of the platform are variable. Controls are by

cable remote console with manual control actuation for backup and maintenance, powered by pressure and flow compensated variable displacement hydraulic pump. System can be operated by auxiliary electric battery powered pumps if need arises.

Remote cable, control is energised by a manual/electric switch on side of tower. Manual controls located behind the tower. For visibility remote electric cable controls with a 15' extension cable is supplied for ease of operation.

CAPACITY RATING

Platform 20,000 lbs

Off Centre Loading Max. 40,000 ft/lbs

Painted black circle on deck shows limit off centre loading eg. 5,000 lbs @ 8 ft.

Point Load Limit 300 lbs/sq. ft.

NOTE: Platform has no off centre capacity rating if only one 8 ft end extension is installed.

Engine Oil capacity: 8 qts

Engine Coolant Capacity: 14 qts

Fuel Tank capacity: 34 US Gal

Hydraulic Reservoir: 55 US Gal

DIMENSIONAL & PERFORMANCE DATA

Capacity: 20,000 lbs.

Platform height: 10'-0" lowered
23'-0" raised

Travel:

Height w/o rails: 10'-0"

Height w/rails: 13'-4"
Width w/o extensions: 10'-0"
Width w/extensions: 16'-8"
Undercarriage:
Width over axles: 118"
Width over tires: 120"
Length: 226"
Wheel base: 162"
Tires: 10:00 x 20 NHS (foam filled)
Ground Clearance: 11" main struc.
7 3/4" outriggers

Engine: Cummins B3.3, rated 65HP @ 2600 RPM. Equipped with catalytic converter for underground operation. MSHA approved. Engine is fully enclosed. Enclosure with locks on panel latches

Travel Speed:
3 MPH with 20,000 LB load
6 MPH HI no load
3 MPH Normal no load

Brake, Parking:
Two (2) Fairfield Spring Applied Hydraulic Released brakes.

Column (Tower):
Raise/Lower: telescopic hydraulic cylinder with trunnion mount
Swing: 360 degree continuous rotation above 50", powered by hydraulic motor and planetary drive

Lift Speed: 0-13 fpm variable control

Swing Speed: 0-0.25 RPM, variable control

Length w/extensions: 40'-0"
Length wo/extension: 24'-0"

Outriggers: four (4) with twenty-four (22) inch penetration (30 inch stroke)
Spaced: 108" centre side to side
226" front to rear
Steering: Hydraulically Powered Variable Control
Time Lock to Lock 7.5 sec.

Stair Speed:
Up 17 sec
Dn 15 sec

Work Platform:

Size: 24' x 10 ft main platform

40 ft x 10 ft with 8 ft pin on extension at each end

40 ft x 17 ft nom. with hinged side extensions raised and pinned

Hand Rail height: 39 inches
Hand Rails: All hand rail sections are removable by removal of retaining pins
Rails are removable in 7 1/2 ft or 10ft sections

Weight:
Front Axle Engine End: 21,000 lbs
Rear Axle: 21,800 lbs
Total: 42,800 lbs

NOTE:
Eight foot end platform extensions have Designated location due to stair head clearance.

Paint: X1105S Allcyl 98
Champion Yellow