



# ET-32-NF

Telescopic Aerial



## FEATURES INCLUDED IN THE ET-32-NF

### **PLATFORM**

The standard fiberglass platform is 24in. x 24in. x 42in. (.61m x .61m x 1.07m) with a step-through opening for easy access. The rated platform capacity per ANSI A92.2 is 300 lbs. (136 kg).

### **OUTER/LOWER BOOM ASSEMBLY**

The major components of the outer/inner boom assembly include an outer boom, a telescoping inner boom, an extension cylinder, a hose carrier system, and slide pads mounted on the inner and outer booms. The outer boom consists of a 6in. x 8in. (152mm x 203mm) rectangular steel section. The telescoping inner boom is a 5in. x 7in. (128mm x 178mm) rectangular aluminum section. The extension system consists of a hydraulic cylinder with wear rings on the piston and end gland and a holding valve mounted to the cylinder base. The hose carrier system is a multi-link plastic assembly with adequate space to carry hoses and wiring to the upper control station. Ultra high molecular weight plastic slide pads mounted on the inner boom can be changed without removing the inner boom. The outer boom, side and top pads are infinitely adjustable and the lower pad can be replaced without removing the inner boom. The telescoping outer/inner boom assembly articulates from 8° below horizontal to 80° above horizontal. A double acting cylinder, equipped with a counter balance holding valve, provides boom elevation. A boom support cradle and a ratchet-type boom tie-down strap is included.

### **FLYBOOM**

The flyboom or jib consists of a 5 in. x 7 in. (128 mm x 178 mm) aluminum tube with high strength steel weldments at all pivot locations. A hydraulic cylinder and four bar linkage provide 180° articulation relative to the inner boom.

### **CYLINDERS**

The extension cylinder has wear rings on the piston and end gland for extended seal life. Dual holding valves are mounted at the extension cylinder base to prevent the boom from creeping during travel or uncontrolled movement in case of hydraulic hose failure. The extension cylinder can be removed without removing the inner boom. The boom elevation cylinder has a double acting holding valve. The flyboom cylinder has a dual holding valve.

### **ROTATION**

Rotation is 360° non-continuous with an electric limit switch to prevent hose and wiring damage. Rotation is accomplished by a hydraulically driven worm and spur gear and a shear-ball rotation bearing. The critical bolts holding the lift to the rotation bearing and the rotation bearing to the pedestal are SAE grade 8. These critical bolts are torque seal marked to provide a quick means to inspect for loosening. An adjustment screw is provided to adjust pinion and rotation gear clearances.

### **HYDRAULIC LEVELING**

Platform leveling is controlled automatically by a master and slave cylinder arrangement. This drives a totally enclosed roller chain and steel bar parallelogram system through the flyboom. The platform leveling system can be manually activated from the upper or lower controls and used to level the platform, to stow and unstow the platform, or to tilt the platform for clean out and rescue.

### **LUBRICATION**

Non-lube bearing are used at all points of motion. The rotation bearing is the only component that requires lubrication.



# ET-32-NF

Telescopic Aerial



## GENERAL SPECIFICATIONS

### ET-32-NF

(Based on 40 in. (1.02m) Frame Height)

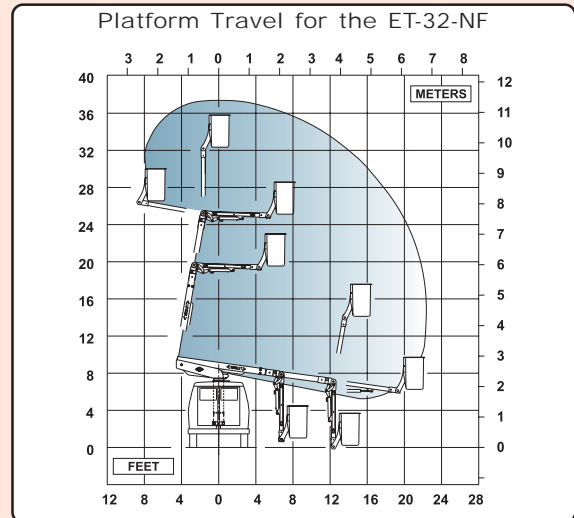
Horizontal Reach ..... 22 ft. 5 in. (6.83 m)  
 Standard Platform Capacity ..... 300 lbs. (136 kg)  
 Maximum Platform Capacity ..... 350 lbs. (160 kg)  
 Weight of Lift ..... 1640 lbs. (745 kg)  
 (without oil, riser and mounting hardware)

### With Standard Pedestal

Height to Bottom of Platform ..... 32 ft. 5 in. (9.88 m)  
 Working Height ..... 37 ft. 5 in. (11.40 m)  
 Stowed Travel Height ..... 9 ft. 9 in. (2.97 m)

### Hydraulic System

Operating Pressure ..... 2250 PSI (158 kg/cm<sup>2</sup>)  
 Flow Rate ..... 2 GPM (7.6 lpm)  
 Filtration ..... 10 micron return  
 ..... 100 mesh suction  
 System Type ..... Open center  
 Power Source ..... PTO Pump  
 ..... Belt Drive System  
 ..... Generator



NOTE: 1. Specifications may vary without prior notification.  
 2. Required GVWR can vary significantly with chassis, lift mounting location, service body, accessories, and desired payload.

## Options

- Up to 350 lbs. Platform Capacity
- Various Platforms, Covers and Doors
- 180° Hydraulic Platform Rotation
- Emergency Power
- 120 Volt Receptacle at the Platform
- Taller Pedestal (6 in., 12 in.)



Easy platform access

  
**TIME**  
 MANUFACTURING COMPANY  
 P. O. Box 20368  
 Waco, TX 76702-0368  
 Tel.: 254-399-2100  
 Fax: 254-399-2651  
 www.timemfg.com



The chassis body interior is fully climate controlled.



The flyboom gives easy access to the platform from the tailshelf.