VO-255/260-I

Insulated
Articulated Overcenter Aerial

TIME MANUFACTURING COMPANY

FEATURES INCLUDED IN THE VO-255/260-I

PLATFORM
The standard fiberglass platform is 24 in. x 24 in. x 42 in. (0.61 m x 0.61 m x 1.07 m) with an inside and outside step for easy access. The standard platform capacity is 350 lbs. (160 kg) for VO-255-I and 300 lbs. (136 kg) for the VO-260-I. Higher platform capacities are available.

MECHANICAL PLATFORM LEVELING
Platform leveling is achieved automatically through a completely enclosed parallelogram system. The major components of this system include ½ in. (13 mm) diameter fiberglass leveling rods and No. 60 high strength roller chain. There are no cables used in this system. The fiberglass leveling rods maintain the insulation gaps in all boom positions and are tested at twice the rated load. The tension is adjusted by means of a threaded rod in the upper and lower boom and platform leveling is adjusted by another threaded rod at the turret.

CONTROL VALVES
Full pressure hydraulic control valves at the platform and turret control rotation, upper boom, and lower boom movements. The standard upper control is a multi-lever valve with self-centering locking handles. The Unitrol single stick upper control is optional. The lower controls are equipped with a selector valve to override the upper controls. The outriggers are operated by separate control valves located with the ground controls. On reverse mounted units, an additional control valve is provided to operate a dump body. Hydraulic tool power is standard at the upper controls and optional at the ground controls.

HYDRAULIC TOOLS
Two sets of hydraulic tool ports (two pressure ports and two return ports) are standard at the upper controls. A pressure reducing valve is used to limit the tool pressure. This valve is pre-set at 2000 PSI (140 kg/cm^2), but can be adjusted to the desired tool pressure. The tool circuit provides a 7 GPM (26 LPM) flowrate.

ELECTRICAL INSULATION SPECIFICATIONS
The upper boom is tested and certified as standard for electrical work at 46 KV and below in accordance with ANSI A92.2 Category C dielectric rating requirements. The chassis insulating system (lower boom insert) is also tested and certified according to ANSI A92.2. Vacuum prevention for all the hydraulic hoses routed through the insulated booms is standard.

CONTINUOUS ROTATION
Rotation is continuous and unrestricted in either direction. This is accomplished by a hydraulically driven worm and spur gear acting on a shear-ball rotation bearing. The critical bolts holding the lift to the rotation bearing and the rotation bearing to the pedestal are Grade 8 hex head cap screws. These critical bolts are torque seal marked to provide a quick means of detecting any loosening. An eccentric ring gearbox mounting allows for precise adjustments to the gearbox to pinion clearance.

LUBRICATION
Non-lube bearings are used at all pivot points. Only the rotation bearing and leveling chains require periodic lubrication.

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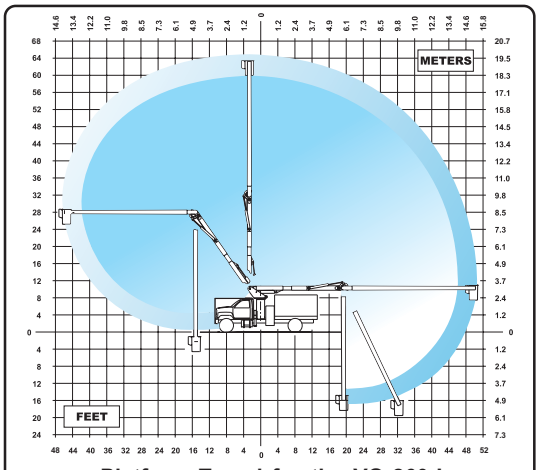
GENERAL SPECIFICATIONS *(Based on a 40 in. (1.02 m) Frame Height)*	VO-255-I	VO-260-I
Horizontal Reach, Overcenter	46 ft. 2 in. (14.1 m)	50 ft. 8 in. (15.4 m)
Horizontal Reach, Non-Overcenter	41 ft. 11 in. (12.8 m)	46 ft. 5 in. (14.1 m)
Maximum Platform Capacity	400 lbs. (181 kg)	350 lbs. (159 kg)
Lower Boom Lift Eye Capacity	1,500 lbs. (680 kg)	1,500 lbs. (680 kg)
WITH STANDARD REVERSE MOUNT PEDESTAL		
Height to Bottom of Platform	55 ft. 4 in. (16.87 m)	60 ft. 4 in. (18.4 m)
Working Height	60 ft. 4 in. (18.39 m)	65 ft. 4 in. (19.8 m)
Stowed Travel Height	11 ft. 9 in. (3.58 m)	11 ft. 15 in. (3.73 m)
Weight of Lift with Outriggers	5,860 lbs. (2660 kg)	6000 lbs. (2721 kg)
HYDRAULIC SYSTEM		
Operating Pressure	2900 PSI (205 kg/cm^2)	2900 PSI (205 kg/cm^2)
Flow Rate	7 GPM (26 lpm)	7 GPM (26 lpm)
Filtration	10 Micron Return	10 Micron Return
System Type	Open Center	Open Center
Power Source	PTO Pump	PTO Pump
BOOM ACTION		
Upper-Boom Articulation	270° relative to lower boom	245° relative to lower boom
Lower-Boom Articulation	125° from horizontal to 35° past vertical	125° from horizontal to 35° past vertical
Rotation	360° Continuous	360° Continuous
INSULATION GAPS		
Upper Boom	200 in. (5.08 m)	200 in. (5.08 m)
Lower Boom	24 in. (0.61 m)	24 in. (0.61 m)

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

- Tilt Platform
- Platform Size Variations
- Increased Platform Capacity
- Lifting Eye Attachment
- Two-Speed Throttle Control
- Category B Dielectric Testing and Certification



Platform Travel for the VO-260-I

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