

# 35 Ton Axle Jack

## Model 832R

The Model 832R Axle Jack is a 35 ton capacity, three stage hydraulic jack designed primarily for use in jacking the main and/or nose landing gear of various aircraft. The jack consists of a three stage cylinder and base assembly, frame/reservoir assembly, valve block assembly and hand pump assembly.

Model 832R is built to withstand harsh environmental conditions, rugged use and to provide many years of continuous service. Our customers are guaranteed a quality product with each purchase and are assured of our continued product support whenever and wherever the need arises.

### Standard Features:

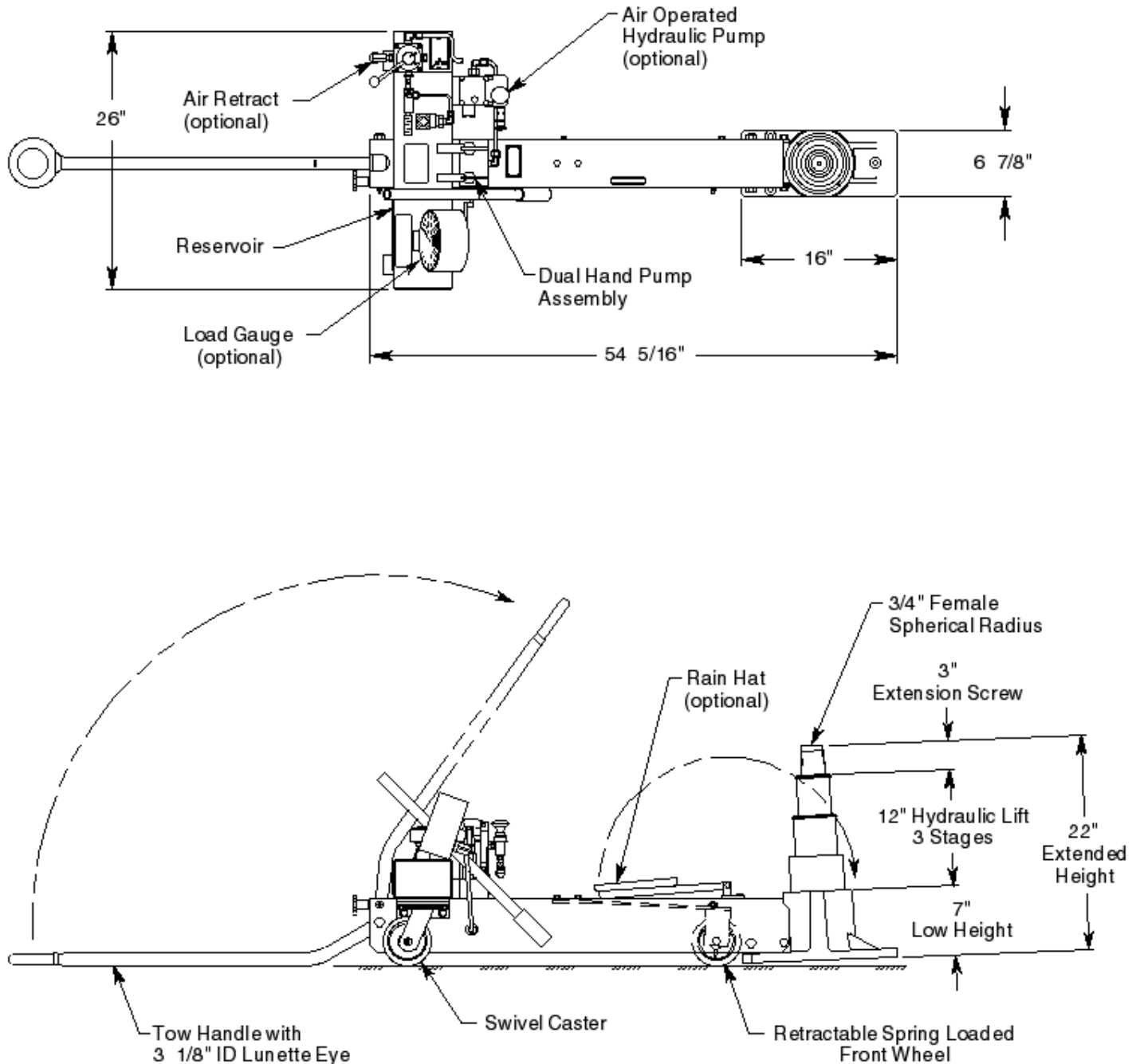
- Cylinder assembly includes bronze lower bearings for longer service life
- Single valve control for simple and easy aircraft raising and lowering
- 5" diameter Heavy duty swivel casters and retractable front wheel
- Retractable spring loaded front wheel provides improved ground clearance for towing
- Check valve at the cylinder assembly prevents lowering of load in the event of a host failure
- Two manual hand pumps (one high pressure, low volume and one low pressure, high volume)
- Oil filter cap with filtered air vent and dipstick
- Hard chrome plated cylinder and plunger bores
- All unpainted parts are plated to resist corrosion
- Skydrol resistant paint (safety yellow)
- Factory proof load @ 150% of rated capacity
- One year standard warranty
- Fully enclosed shipping container with skid

### Optional Features:

- Air operated hydraulic pump
- Air retract (for fast plunger retraction)
- Load gauge for load indication (reads tons/psig)
- Rain hat (covers cylinder assembly)
- Customer specified paint color

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For more information contact: [sales@malabar.com](mailto:sales@malabar.com)

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### Specifications:

|                                       |                            |
|---------------------------------------|----------------------------|
| Rated Capacity.....                   | 35 tons (31.8 m. tons)     |
| Low Height: .....                     | 7 inches (178 mm)          |
| Hydraulic Lift .....                  | 12 inches (305 mm)         |
| Extension Screw .....                 | 3 inches (76 mm)           |
| Total Extended Height .....           | 22 inches (559 mm)         |
| Base Width.....                       | 6.88 inches (175 mm)       |
| Cylinder Diameter .....               | 6.88 inches (175 mm)       |
| Oil Pressure at Rated Capacity .....  | 6770 psig (476 kg/sq cm)   |
| Safety Pop-off Valve set at: .....    | 38.5 tons (34.9 m. tons)   |
| Proof Load.....                       | 52.5 tons (47.6 m. tons)   |
| Floor Loading at Rated Capacity ..... | 651 psi (46 kg/sq cm)      |
| Reservoir Capacity.....               | 2 gallons (7.6 liters)     |
| Hydraulic Fluid .....                 | MIL-PRF-5606 or equivalent |
| Maximum Towing Speed .....            | 5 mph (8 km/h)             |
| Approximate Jack Net Weight .....     | 360 lbs (163 kg)           |

### **Model 832R Typical Aircraft Applications:**

| Main Landing Gear  | Nose Landing Gear                        |
|--|--|
| 880, 890, A318, B717, B737-100 to 500, B757, BAC 1-11, BAE146, C130, DC9, F28, F100, HS125, MD80, MD90 | A318, A319, A320, A321, B737, B757, C130 |

### Optional Equipment Codes:

*(Specify with order)*

- AP: Air Operated Hydraulic Pump
- GA: Load Gauge
- RH: Rain Hat
- AR: Air Retract (requires air operated hydraulic pump)
- SPC: Special Paint Color (yellow is standard)

### Jack Accessories:

*(Specify with order)*

- 832RPK: Repair Kit
- 871420: Tire Slave Kit (to operate air operated hydraulic pump from aircraft tire)

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### Shipping Data:

NOTE: Unless otherwise specified, Model 832R jack is shipped on a wood skid with an enclosed cover. Refer to Malabar Axle Jack Shipping Supplement for additional packaging information.

| <b>Length</b><br>inches (mm) | <b>Width</b><br>inches (mm) | <b>Height</b><br>inches (mm) | <b>Weight</b><br>lbs (kg) |
|------------------------------|-----------------------------|------------------------------|---------------------------|
| 70 (1778)                    | 45 (1143)                   | 34 (864)                     | 420 (191)                 |