



MUELLER H-614 AIR POWER OPERATOR

Operating Instructions

GENERAL

This publication addresses some of the safety issues when operating this machine. Neglecting to follow these recommendations may pose serious hazards or result in failure of equipment. The operator of this machine must have access to, have read, and fully understand this document and the recommendations and operating instructions for the H-614 Air Power Operator.

⚠ WARNING: The operator of this machine must adhere to the following instructions to reduce the possibility of misuse of the machine or accident. Failure to observe these instructions and the following warnings could result in serious bodily injury.

Always wear eye and hearing protection when operating this machine.

DO NOT use damaged, frayed, loose or deteriorated air hoses or fittings.

Always turn off the air supply and disconnect the air supply hose before installing, removing or adjusting any accessory on this machine, or before performing maintenance on this machine.

⚠ CAUTION: DO NOT modify this machine. Doing so could void the warranty and create a safety hazard.

SPECIFICATIONS FOR H-614 AIR POWER OPERATOR

- Weight (Operator Only) – 28 Lbs. (13 kg)
- Max. HP @ RPM (Motor) – 4.8 @ 5000
- Free Speed RPM (Motor) – 5000 (governed)
- Max. HP @ RPM (Output Shaft) – 4.4 @ 82
- Free Speed RPM (Output Shaft) – 82 (governed)
- Stall Torque – 375 ft-lbs
- Air Consumption @ 90 psig – 90 SCFM
- Inlet Connection – 3/4" Quick-Disconnect
- Reversible – NO
- Decibels (A Scale) – 85 db
- Lubricator Supplied – YES
- Hinged Storage Chest Supplied – YES
- Shipping Weight with Lubricator and Chest – 65 Lbs. (26 kg)



MUELLER H-614 AIR POWER OPERATOR

1. BEFORE ATTACHING THE H-614 OPERATOR TO THE DRILLING MACHINE

- a) Refer to the appropriate Mueller Operating Manual to set up the drilling machine for the desired operation.
- b) Check to be sure the Shell Cutter, Pilot Drill and Hub assembly is securely attached to the machine Boring Bar.
- c) Apply a small amount of Mueller Cutting Grease (88366) to the lead cutting edges of the shell cutter and/or pilot drill.

2. PREPARING THE H-614 OPERATOR

- a) Reposition the Handle/Trigger mechanism, if necessary, by removing two (2) hex socket cap screws. Rotate the Handle/Trigger in 90° increments to the desired position and secure with the two screws previously removed.
- b) Remove the Air Inlet Bushing from the Handle/Trigger mechanism and clean the Filter Screen as required. **IMPORTANT! DO NOT** lose the O-ring Seal and Filter Screen. Do not operate the Air Motor unless the screen is in place. Reinstall the Screen and Air Inlet Bushing.
- c) Attach the In-line Lubricator(supplied). Add air motor lubricating oil to the Lubricator. Use Mobil DTE Light or equivalent.
- d) After each eight (8) hours of use, inject one to two “pumps” of gear lubricant through the grease fitting. Use Mobilux EP-2 or equivalent.

3. INSTALL AIR POWER OPERATOR ONTO THE MACHINE

- a) Check the Operating Manual for the specific Drilling Machine that will be used for any special instructions for installing a power operator.
NOTE: If attaching the H-614 Air Power Operator to an older model C1-36 Drilling Machine, the old style Top Bearing (part number 502707) will have to be replaced with the newer style (part number 580815),
- b) **which includes the attachment arm for the power operator – contact your authorized Mueller Representative.**
- c) Insert Pivot Pin to secure the Power Operator to the Drilling Machine and tighten the Thumb Screw.
- d) Position and tighten the Hold Down Wing Nut provided on the Drilling Machine to complete the installation.
- e) Rotate the Input Shaft on the Drilling Machine to align with the Coupling on the Power Operator, remove the Pivot Pin from the base of the Power Operator and mount the unit on the Drilling Machine.

4. OPERATING INSTRUCTIONS

⚠ WARNING: Use only the hand to hold down the Throttle of the Power Operator. Using other means to hold down the Throttle could prevent the Power Operator from being stopped quickly if necessary, which may create a dangerous situation resulting in serious bodily injury.

⚠ CAUTION: The H-614 unit operates the Shell Cutter and feed faster than previous models of air power operators. This must be considered when making a cut. Pneumatically driven power tools are not generally insulated against

coming in contact with sources of electrical current. Take necessary precautions if sources of electrical current are nearby.

- a) Use recommended lubricants only.
- b) Maintain 90 psig (6.2 bar/621 kPa) air pressure at the inlet of the power operator, using at least a ¾" supply hose. DO NOT EXCEED 100 psig (6.9 bar/689 kPa) under any flow conditions.
- c) Regularly check hose, hose fittings and clamps for tightness and serviceability – avoid risk of whipping hose.
- d) Check to assure the exhaust air will be directed toward a safe direction to avoid blowing dust or air from the machine onto the operator or other persons in the area.
- e) In the event of a stall, release the Throttle immediately. Pause for a moment, then restart the Power Operator. If the unit stalls upon restart, disengage the Drilling Machine's Auto-Feed, manually back the Shell Cutter ½ to 1 turn out of the cut. Engage the Auto-Feed and restart the Power Operator.

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