



## Barring Motor

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## Product Safety Information



Save These Instructions

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## Product Description

A Barring Motor is a compressed air powered motor that is designed to be mounted to reciprocating internal combustion engines and manually engaged and locked with the flywheel ring gear during routine maintenance procedures. It is intended to be used to position or index the engine at slow speed as a substitute for manually barring the engine.

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## General Product Safety Information

- **Read and understand this manual before operating this product.**
  - **It is your responsibility to make this safety information available to others that will operate this product.**
  - **Failure to observe the following warnings could result in injury.**
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## Product Safety Information - When Placing the Barring Motor in Service

- Always install, operate, inspect and maintain this product in accordance with all applicable standards and regulations (local, state, country, federal, etc).
  - Follow starter installation instruction provided by the engine manufacturer when mounting this Barring Motor on the engine.
  - Always use clean, dry air at 90 psig (6.2 bar/620 kpa) maximum air pressure at the inlet. Higher pressure may result in hazardous situations including excessive speed, rupture, or incorrect output torque or force.
  - This Barring Motor is not designed to be operated on compressed natural gas, or with other flammable, explosive, or corrosive gases. Use compressed air only.
  - Ensure an accessible emergency shut off valve has been installed in the air supply line, and make others aware of its location.
  - Be sure all hoses and fittings are of the correct size and are tightly secured.
  - Do not use damaged, frayed or deteriorated hoses and fittings.
  - When replacing a hose, always use the replacement hose specified by **Ingersoll Rand**.
  - Install a properly sized Safety Air Fuse upstream of hose and use an anti-whip device across any hose coupling without internal shut-off, to prevent hose whipping if a hose fails or coupling disconnects.
  - Do not modify the Barring Motor, safety devices, or any accessories.
  - Be sure Barring Motor is securely attached to engine before connecting air supply.
  - Always turn off the air supply, bleed the air pressure & disconnect the air supply hose before installing, removing or adjusting any accessory on this Barring Motor, or before performing any maintenance on this Barring Motor or any accessory.
  - Disconnect and/or de-activate normal starting controls prior to installation and use of the Barring Motor, and take steps to ensure engine will not become operable when Barring Motor is in use.
  - Do not lubricate the Barring Motor with flammable or volatile liquids such as kerosene, diesel or jet fuel. Use only recommended lubricants.
  - Use only proper cleaning solvents to clean parts. Use only cleaning solvents which meet current safety and health standards. Use cleaning solvents in a well ventilated area.
  - Keep work area clean, uncluttered, ventilated and illuminated.
  - Do not remove any labels. Replace any damaged label.
  - Use accessories recommended by **Ingersoll Rand**.
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## Product Safety Information - When Using the Barring Motor

- Always use Personal Protective Equipment appropriate to the task being performed. This may include dust mask, or other breathing apparatus, safety glasses, ear plugs, gloves, apron, safety shoes, hard hat and other equipment.
- Always wear eye protection when operating or performing maintenance on this Barring Motor.
- Always wear hearing protection when operating this Barring Motor.
- Keep others a safe distance from your work area, or ensure they use appropriate Personal Protective Equipment.
- Follow engine manufacturers recommended safety practice when performing any maintenance operation with this Barring Motor.
- This Barring Motor is not designed for working in explosive environments, including those caused by fumes and dust, or near flammable materials.
- This Barring Motor is not insulated against electric shock.
- Never use a damaged or malfunctioning Barring Motor or accessory.
- Keep hands, loose clothing, long hair and jewelry away from working end of Barring Motor.
- To avoid accidental starting - ensure Barring Motor (pendant) is in "off" position before applying air pressure, and avoid throttle when carrying.
- Keep clear of whipping air hoses. Shut off the compressed air before approaching a whipping hose.
- This Barring Motor is designed to be used only when securely mounted to the engine flywheel housing.
- Do not use this Barring Motor for purposes other than those recommended. Any other use may result in injury or equipment damage.
- Do not attempt to start the engine while this Barring Motor is engaged.
- Do not perform any maintenance to the Barring Motor when it is mounted on the engine.
- Except when positioning the engine with the Barring Motor, the lock-out/Tag-out valve should be LOCKED in the OFF position.
- Repairs should be made only by authorized trained personnel. Consult your nearest **Ingersoll Rand** Authorized Service Center.

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## NOTICE

Refer to Product Information Manual for Model Specific Safety Information.

### Safety Symbol Identification



Wear Respiratory  
Protection



Wear Eye  
Protection



Wear Hearing  
Protection



Read Manuals Before  
Operating Product

(Dwg. MHP2598)

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### Safety Information - Explanation of Safety Signal Words



#### DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



#### WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



#### CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or property damage.

#### NOTICE

Indicates information or a company policy that relates directly or indirectly to the safety of personnel or protection of property.

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### Product Parts Information



#### CAUTION

**The use of other than genuine Ingersoll Rand replacement parts may result in safety hazards, decreased tool performance and increased maintenance, and may invalidate all warranties.**

**Repairs should be made only by authorized trained personnel. Consult your nearest Ingersoll Rand Authorized Servicenter.**

Manuals can be downloaded from [www.irttools.com](http://www.irttools.com).

Refer all communications to the nearest **Ingersoll Rand** Office or Distributor.



[www.irttools.com](http://www.irttools.com)

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