



AIR MOTORS

Creating sheer power from the natural environment, Ingersoll Rand® air motors are flexible, efficient alternatives to electric sources. With infinitely variable speeds and torques, our motors are perfect for a wide range of industrial applications. Ingersoll Rand offers well over 200 cataloged models of air motors, with an extensive range of options.



OPTIONS

- 0.10 to 30 horsepower
- 23 rpm to 26,000 rpm speed ratings
- 0.10 ft-lb to 1090 ft-lb torque ratings
- Reversible and non-reversible types
- Vane or piston configurations
- Direct drive and gear reduction motors
- Over 1,000 specials and modified units including modified tools, hoists, starters, etc)
- World-wide sales and service
- OEM models and support

In addition, Ingersoll Rand maintains data on hundreds of special application air motors that have solved problems for design engineers around the world over the years. **You can access this invaluable resource by contacting your Ingersoll Rand representative or distributor with details of your situation.**



AIR MOTOR ADVANTAGES

Infinitely variable speeds and torques via pressure regulation or air valves – no costly controls required.

- Instant starting, stopping and reversing eliminates the delays of motor speed-up or slow-down periods
- Will not overheat or burn out, even when overloaded or ran to stall
- Safe operation in hazardous conditions with no electrical sparks or hydraulic fluids
- Cool running characteristics minimize the effects of hot, wet or dusty surroundings
- Low maintenance, based on simplicity of design and strength of construction
- Excellent design flexibility – a function of compact size, lightweight and high power output
- Temperature range – up to 150° F with standard lubrication. Some models available up to 300° F with special lubrication and seals



Oil & Gas - Durable and reliable air motors to withstand harsh conditions

Common applications:

- Pipe Beveling Tools
- Pipe Cutting Tools
- Air Preheating Units
- Pre-Lube Pumps
- Coal Crushing
- Tap Machines



Industrial Equipment - Wide selection of air motors for various industrial equipment, from lightweight precision applications to high torque heavy-duty jobs.

Common applications:

- | | |
|-------------------------|------------------------|
| - Meat Slicing Machines | - Pick / Place Circuit |
| - Meat Processing Tools | Boards |
| - Paper Machinery | - Cement Machines |
| - Valve Actuators | - Strapping Tools |



Aerospace & Automotive -

Lightweight, highly repeatable units to efficiently meet your production needs.

Common applications:

- Fastener/Insert Tools
- Thread Insert Tools
- Tip Dressers
- Automotive Assembly Tools



OEM Customized Air Motors -

Modified units to incorporate into OEM equipment, automate manual operations to improve safety measures and many other custom fixtures and machinery to improve productivity.

*Please call to discuss your specific needs.