
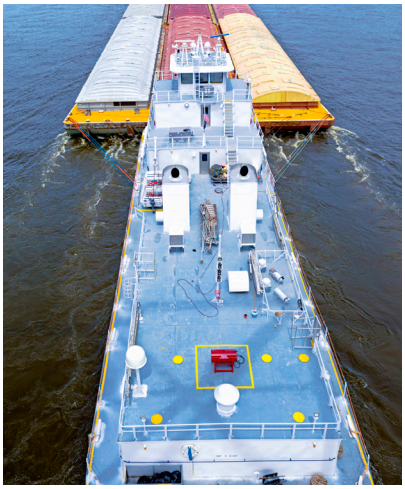
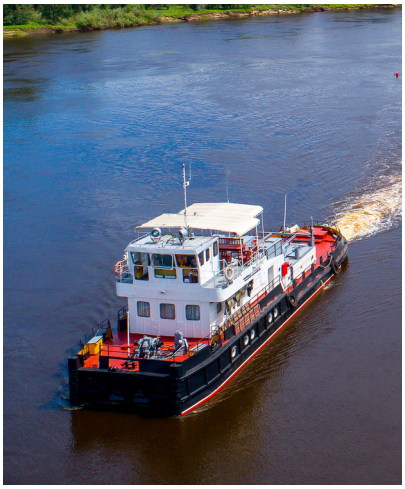


MARINE INDUSTRY
ENGINE STARTING SOLUTIONS

Ingersoll Rand® offers some of the most advanced air starters in the market, offering a broad line of turbine starters, vane starters and barring motors. With over 70 years experience, we have the engineering expertise to solve your air starter requirements to provide optimum perfromance right from the start.

YOU NEED

- Powerful and efficient air starters
- Long-lasting durability
- Easy serviceability and installation
- Versatile designs that fit a wide range of engines
- Standardized engine starting equipment across your entire fleet

WE DELIVER

- More efficient single-stage motor compared to the high-consumption dual-stage designs
- Best-in-class performance in horsepower, torque and efficiency
- Rugged components that ensure reliability in the toughest environmental and working conditions
- Superior engineering that allows for easy field serviceability and minimal down time
- Extensive range of vane and turbine air starters as well as custom order capabilities
- Genuine OEM components that meet our stringent requirements and provide the longest life possible
- Various re-manufacturing options available

ABS Type Approved

ST1000 SERIES TURBINE AIR STARTERS

Ingersoll Rand® ST1000 Series air starters are built to withstand the toughest environmental and working conditions — combining robust features and proven power and efficiency to deliver ruggedly reliable, heavy duty starting for a wide variety of applications. The ST1000 Series starters are also engineered to precisely match the same mounting configuration of many existing applications, making them easy to install without the need to reconfigure connections or piping.



- Powerful, lube-free design consumes up to 25 percent less air and gas than other models — reducing operating costs and lowering emissions
- Patented, fully supported high-speed rotor extends bearing life by minimizing deflection and ensuring concentric running
- Patented solid aluminum rotor design enables reliable operation in harsh, contaminated environments by providing an open flow path for particles
- Ideal for diesel engines of 16 to 320 liters

ST150 SERIES TURBINE AIR STARTERS

Packing a powerful 47 HP in a solid aluminum turbine motor, ST150 air starters are based on the patented next generation technology from the rugged, long lasting, easy to service, high performing and efficient ST1000 turbine starter. Built to withstand the toughest environmental and working conditions – combining robust features and flexibility to deliver reliable, heavy-duty starting in a wide variety of industrial, oil and gas, marine, power generation, rail, and mining applications.



- 47 HP lube-free turbine motor for fast starts on heavy duty diesel and gas engines in the 11 to 90 liter size
- Patented slip fit turbine motor design with half the parts of competitive units allow you to easily remove the rotor and change from low pressure to high pressure in a matter of minutes
- Solid billet aluminum turbine motor with robust fins and nozzles and a clear single stage open flow path let you handle the harshest conditions

SS100 SERIES VANE AIR STARTERS

The SS100 Series small engine air starters are versatile, reliable and efficient - representing more than a half-century of innovative engineering expertise. This air starter has a powerful, revolutionary lube-free vane motor works on natural gas and has both pre-engage and inertia engagement type options.



- One size fits engines up to 10 liters to lower cost and reduce inventory
- Class-leading starting torque for engines up to 10 liters
- Powerful lube-free motor can be used with air or natural gas
- Standard and metric pinions fit most manufacturers' engines
- Overhung pinion and 360-degree flange design for easy installation

Please contact Ingersoll Rand® at: **AirStarters@irco.com or (800) 483-4981** with questions.