

Force Five Infinity Utility Air Winches

Features

Rugged Compact and Safe Design

- Meets ANSI / ASME B30.7
- Minimum 5:1 design factor at rated load
- Top layer rated line pull. A Force 5i winch always pulls or lifts its rated capacity at any layer.
- "Lift to shift" winch mounted lever throttle
- Minimum 18:1 drum diameter to wire rope diameter ratio reduces wire rope wear
- Compact gearbox-in-drum design
- Standard design temperature range is 0°C through 60°C
- Models have been design reviewed or Type Approved by ABS and DNV
- Lifting lugs designed for lifting weight of winch plus full drum of wire rope
- Group of mechanism as per FEM: 5m

Suitable for Hazardous Explosion Proof Environments

- Flameproof by design. Air motors (unlike electric motors) are inherently spark resistant
- ATEX classification (as per directive EC 94/9/EEC). CE compliant models marked EX II 2 GD c 200°C X.
- Standard models are suitable for ATEX zone 1 and 2.

Powerful Radial Piston Air Motor

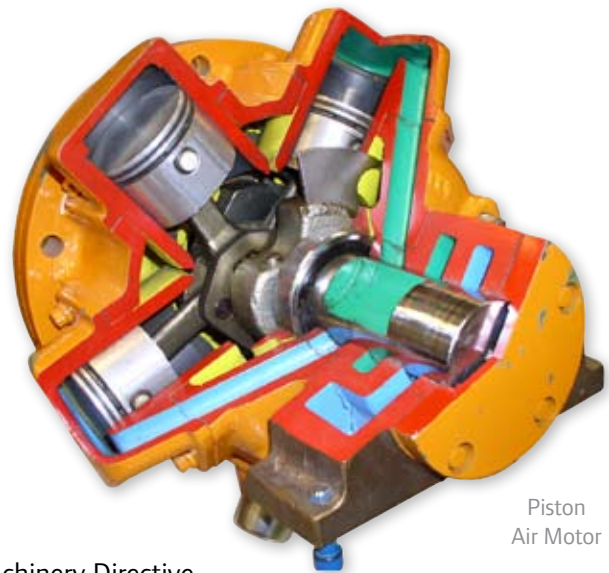
- Positive starting torque
- Superior reliability in harsh environments
- Variable speed control
- Internal splash lubrication
- Precision spotting control at slow speeds

Multiple Brake Configurations

- Manual drum brake standard (FA10i auto disc is standard)
- Optional auto drum brake and /or auto disc available.
- Enclosed automatic oil bath "wet" disc brake is fully sealed against salt spray, dirt or moisture and provides trouble-free operation over thousands of lifting cycles.
- **Ingersoll Rand recommends automatic brakes when winches are used for lifting (compulsory feature for -CE and some world regions)**

Option and Accessories

- Variable drum lengths
- Grooved drum
- Press roller for spooling assistance
- Drum divider flange(s)
- Drum guard*
- Limit switches
- Drum lock
- Construction cage
- Marine paint system
- Tensioning manifold
- Air preparation package
- Emergency lowering system
- Manual rope guide
- Accu-Spool™ level winds
- Hydraulic models
- Third party certification
- Cold weather configurations
- Material traceability
- CE compliance with European Machinery Directive



Piston
Air Motor

* **Ingersoll Rand strongly recommends using Drum Guards with all winches to prevent inadvertent contact with winch moving parts.**

Drum Guards are standard for -CE and may be compulsory in some world regions.

Owners and users should always check local regulations and standards before putting a particular product to use.

Operations and Safety Manuals can be downloaded from irtechpubs.com free of charge.