Third Generation Air Winch Series
1,450 – 3,600 kg (3,200 – 8,000 lb)
When Tough Just Isn’t Enough
Third Generation Air Winches 1,450 – 3,600 kg (3,200 – 8,000 lb)

Since 1924, Ingersoll Rand has built extremely durable and reliable winches and hoists. Designed with premium features and built using rugged cast iron and steel, Ingersoll Rand doesn’t take shortcuts and never uses inferior components. Ingersoll Rand Third Generation Winches are the workhorse winches of the Ingersoll Rand winch line. They have all the features you need and none you don’t to get the job done. Ingersoll Rand winches are the gold standard. They are often copied but never equaled. Trusted by oilmen, offshore workers, miners and heavy construction crews around the globe, you can count on Ingersoll Rand winches to get the job done.

Third Generation Winch Features:
• Individual load testing before shipment and delivered with manufacturer’s test certificate for quality assurance
• Built using nearly a century of experience and constructed in advanced manufacturing facilities with ISO 9001 quality levels

Third Generation FA2B Air Winch
1,450 kg (3,200 lb)
The Ingersoll Rand Third Generation FA2B winch is built to handle whatever you need to throw at it. Made from cast steel and equipped with a powerful radial piston air motor, the FA2B winch is built to lift 1,450 kg (3,200 lbs) in extreme conditions.

Lift-to-Shift variable speed lever provides precise control and built-in safety
Manual drum brake and/or auto disc brake
Adjustable drum guard - optional but recommended for all applications
Minimum 18:1 drum diameter to wire rope diameter
Self-cleaning control valve improves flow and performance

Radial piston air motor provides reliable power with adjustable speed for any use
Gearbox-in-drum design reduces size and helps the winch fit in compact applications
Rugged cast steel construction delivers long-life and durability

Ideal for:
Onshore Offshore Marine Heavy Construction Steel Ship Building

Lifting Ratings at 5:1 design factor and performance at 6.3 bar (90 psi) at air inlet when winch is operating:

<table>
<thead>
<tr>
<th>Model</th>
<th>Line Pull Capacity kg (lb)</th>
<th>Low Lift Speed at Top Layer m/min (fpm)</th>
<th>Lift / Shift Speed at Top Layer m/min (fpm)</th>
<th>Air Consumption at Rated Load at Top Layer m³/min (ft³/min)</th>
<th>Noise Level 43 dB(A)</th>
<th>Rope Diameter mm (in)</th>
<th>Rope Length m (ft)</th>
<th>Rope Diameter mm (in)</th>
<th>Load kg (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FA2B-7**</td>
<td>2,260 (5,000) 1,820 (4,000) 1,450 (3,200)</td>
<td>37 (122)</td>
<td>10 (350)</td>
<td>0.8 (28.7)</td>
<td>87</td>
<td>317 (12.1)</td>
<td>13 (1/2)</td>
<td>308 (679)</td>
<td></td>
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<tr>
<td>FA2B-13**</td>
<td>2,260 (5,000) 1,820 (4,000) 1,450 (3,200)</td>
<td>37 (122)</td>
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<td>FA2B-20**</td>
<td>2,260 (5,000) 1,820 (4,000) 1,450 (3,200)</td>
<td>37 (122)</td>
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<td>0.8 (28.7)</td>
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<td>FA2B-24**</td>
<td>2,260 (5,000) 1,820 (4,000) 1,450 (3,200)</td>
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(1) Top layer speed is based on steel capacity
Third Generation FA2.5A Air Winch

1,860 kg (4,100 lb)

The Ingersoll Rand Third Generation FA2.5A winch is a mid range workhorse. It comes with the premium components that make a difference, like a self-cleaning control valve and a powerful radial piston air motor. It packages them into a rugged, yet cost effective winch.

Adjustable drum guard - optional but recommended for all applications

Gearbox-in-drum design reduces size and helps the winch fit in compact applications

Radial piston air motor provides reliable power with adjustable speed for any application

Self-cleaning control valve for improved flow and performance

Rugged cast steel construction with a 5:1 design factor for long-life and durability

Lift-to-Shift variable speed lever provides precise control and built-in safety

Manual drum brake and/or auto disc brake

Lifting Ratings at 5:1 design factor and performance at 6.3 bar (90 psi) at air inlet when winch is operating

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<tr>
<th>Model</th>
<th>First Layer (kg)</th>
<th>Mid Drum (kg)</th>
<th>Top Layer (kg)</th>
<th>Air Consumption (m³/min)</th>
<th>Air Volume Needed to Move Rated Load at Top Layer</th>
<th>Drive Capacity</th>
<th>Net Weight</th>
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<td>FA2.5A-7**</td>
<td>2,810 (6,200)</td>
<td>2,270 (5,000)</td>
<td>2,000 (4,400)</td>
<td>7.82 (272.8)</td>
<td>3.80 (127)</td>
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Ideal for:

Onshore

Offshore

Marine

Third Generation FA5A Air Winch

3,600 kg (8,000 lb)

When you need to move a large load, look no further than the Ingersoll Rand Third Generation FA5A winch. It combines a powerful radial piston air motor with thoughtful features like a space-saving gearbox-in-drum design to create an economical winch that still gets the job done.

Self-cleaning control valve improves flow and performance

Rugged cast steel construction reduces size and helps the winch fit in compact applications

Lift-to-Shift variable speed lever provides precise control and built-in safety

Manual drum brake and/or auto disc brake

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<td>FA5A-12**</td>
<td>5,890 (13,000)</td>
<td>4,540 (10,000)</td>
<td>3,600 (8,000)</td>
<td>13 (43)</td>
<td>6.90 (233)</td>
<td>14 (46.9)</td>
<td>569 (1,254)</td>
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<tr>
<td>FA5A-24**</td>
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Ideal for:

Onshore

Offshore

Marine

18:1 drum to wire rope diameter minimizes unnecessary wear and increases the life of wire rope

Manual drum brake and/or auto disc brake

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A Variety of Options

- Airline accessories
- Rope press roller assembly
- Overload protection
- Construction cage
- Drum Guard

Third Generation Personnel Air Winch

Ingersoll Rand Dual Purpose winches are designed to maximize the use of your equipment. They combine the time-tested, rugged durability of our standard Force Five winches with enhanced safety features for lifting personnel. In environments where dedicated Man Rider® winches are not required, Ingersoll Rand Dual Purpose winches offer you the versatility to lift people and material with one winch.

Global Parts and Services

Ingersoll Rand winches are built to last in even the harshest conditions. We are committed to helping you keep your operation running, no matter where your facility is located. We offer a full range of parts and accessories. Plus Ingersoll Rand’s global network of factory trained and authorized technicians can install, repair, test and maintain any winch. Service capabilities include:

- Load test and recertifications
- System inspections
- Equipment refurbishments
- Service and repair
- Installation and start-up assistance
- Inspector and operator training

A Tradition of Proven Reliability, Efficiency and Productivity

No matter where you are located, Ingersoll Rand is committed to serving and providing you with the necessary information with regard to our products and services. Our world-wide network of distributors, certified technicians and engineers are a telephone call away — ready to support you with innovative and cost-effective solutions that will keep your business running at peak performance.

Special Orders

A significant portion of our business is providing customized solutions for specific applications. We recognize that not all jobs are created equal and that the most cost-effective solutions may not be in an off-the-shelf item. We’ve designed and manufactured winches and hoists for applications as simple as moving bags of lettuce, to as intricate as installing critical payloads on space vehicles, including high capacity loads 100 tons and above.

- Design for custom capacities
- Custom control systems
- Custom product modifications
- Witness testing and complete certification to most global standards
- Full data package with CAD drawings
- Dedicated project management for your project from conception to delivery
- Onsite services available including pre-sale and evaluation

For More Information

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lifting@irco.com
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