



MAN RIDER® AND PERSONNEL LIFTING WINCHES

Dedicated 150 kg (330 lb) Dual Purpose 920-5,000 kg (2,035-11,000 lb)

WHEN TOUGH JUST ISN'T ENOUGH

Dedicated 150 kg (330 lb) and Dual Purpose 920-5,000 kg (2,035-11,000 lb) Air Winches

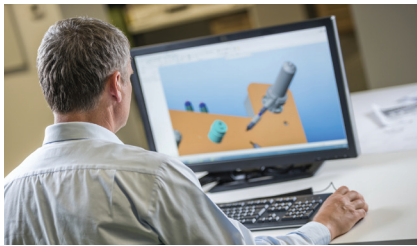


Since 1924, Ingersoll Rand® has built extremely durable and reliable winches and hoists. Designed to work in harsh environments and built using rugged cast iron and steel, Ingersoll Rand doesn't take shortcuts and never uses inferior components. Ingersoll Rand Man Rider® and dual purpose winches are specifically designed to minimize the risks of lifting people. They meet strict safe-lifting standards and include features to help ensure the safety of workers. Ingersoll Rand pioneered the development of Man Rider® and dual purpose winches and has provided thousands of them over 30 years. This experience is built into every Man Rider® winch we sell. Trust Ingersoll Rand Man Rider® and dual purpose winches to help you protect your most precious asset, your people.

Ingersoll Rand Man Rider® and Dual Purpose Lifting Winches:

- Multiple safety systems to help keep your personnel safe
- Rugged cast iron and steel construction for extreme durability
- Stainless steel components and marine grade paint for corrosion resistance
- Variable speed levers for precise control and built-in safety
- Easy configuration to meet worldwide standards and 3rd party type approvals
- Individual load testing before shipment with manufacturer's test certificate
- 30 years of experience designing and building thousands of Man Rider® winches that operate in the world's toughest environments
- High quality manufacturing in ISO 9001 level advanced facilities

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 presale and evaluation

FOR MORE INFORMATION



www.ingersollrandproducts.com/lifting

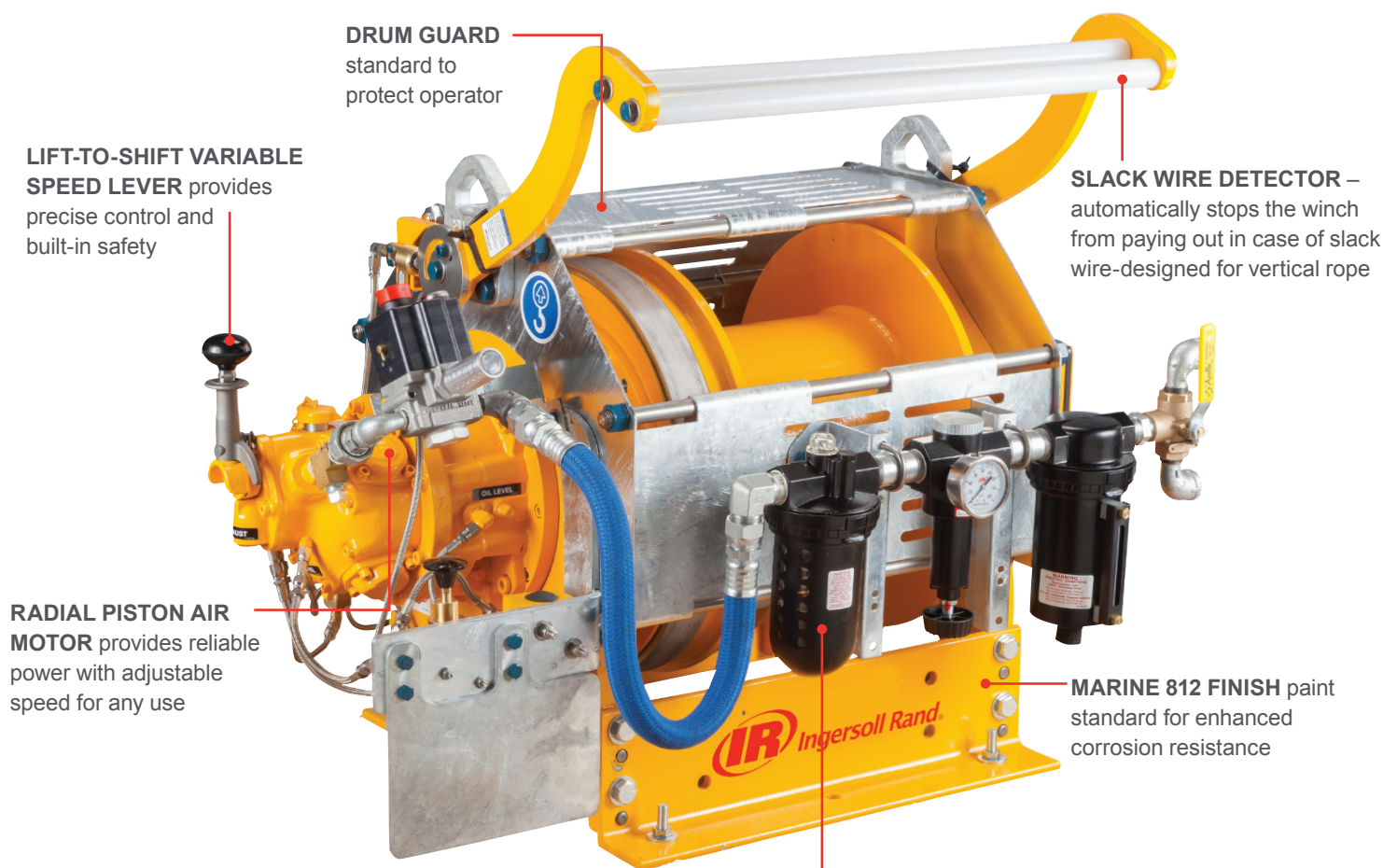


lifting@irco.com

FA150 DEDICATED MAN RIDER® AIR WINCH

150 kg (330 lb)

Ingersoll Rand FA150 Man Rider® winches are specifically designed for safe and reliable personnel lifting. They feature a tough steel frame with protection for critical components and marine grade paint to stand up to harsh environments. Their rugged radial piston air motors provide reliable power under all conditions. FA150 Man Rider® winches include multiple fail-safe features to help keep your personnel safe. Designed to meet the latest regulations including CE, ATEX and DNV type approval, Ingersoll Rand FA150 Man Rider® winches work wherever you do. Built with our decades of experience, count on Ingersoll Rand's time-proven design wherever you need to lift or lower people.



IDEAL FOR:



Onshore



Offshore



Marine

FILTER, REGULATOR, LUBRICATOR AIR PREPARATION PACKAGE included to protect internal components

Lifting Ratings at 10:1 design factor and performance at 6.3 bar (90 psi) at air inlet when winch is operating

Model	Line Pull Capacity			Lifting Speed at Top Layer	Air Consumption with Rated Load	Air Volume Needed to Move Rated Load at Top Layer	Sound Level as per EN 14492-1	Drum Capacity ⁽¹⁾		Net Weight
	First Layer kg (lb)	Mid Drum kg (lb)	Top Layer kg (lb)	m/min (ft/min)	m³/min (ft³/min)	3 m (10 ft)	dB(A)	Rope Length m (ft)	Rope Diameter mm (in)	kg (lb)
150 (330)	150 (330)	150 (330)	150 (330)	95 (29)	14 (50)	0.4 (17.2)	89	385 (904)	10 (7/16)	340 (750)

⁽¹⁾ Wire rope is tightly wound with no freeboard.

LIFTSTAR DEDICATED MAN RIDER® AIR WINCHES

150 kg (330 lb)

Ingersoll Rand® Liftstar Man Rider® winches are specifically designed for safe and reliable personnel lifting. They feature a tough steel frame with stainless steel protection and marine grade paint to stand up to harsh environments. Their rugged gear motors have only two moving parts which makes them virtually maintenance free even after being stored. Liftstar Man Rider® winches include multiple fail-safe features to help keep your personnel safe. Designed to meet the latest regulations including CE, ATEX and DNV type approval, Ingersoll Rand Liftstar Man Rider® winches work wherever you do. Built with our decades of experience, count on Ingersoll Rand's time-proven design wherever you need to lift or lower people.

PRESS AND SHIFT VARIABLE SPEED LEVER provides precise control and built-in safety

RUGGED DRUM guard standard

MINIMUM 18:1 drum diameter to wire rope diameter

HELICAL GROOVED DRUM ENSURES better rope spooling than plain drum

RELIABLE GEAR TYPE AIR MOTOR designed for even the harshest environments

GEARBOX-IN-DRUM design reduces size and helps the winch fit in compact applications

SLACK WIRE DETECTOR automatically stops the winch from paying out in case of slack wire

IDEAL FOR:



Onshore

Offshore

Marine

FABRICATED STEEL FRAME provides maximum durability

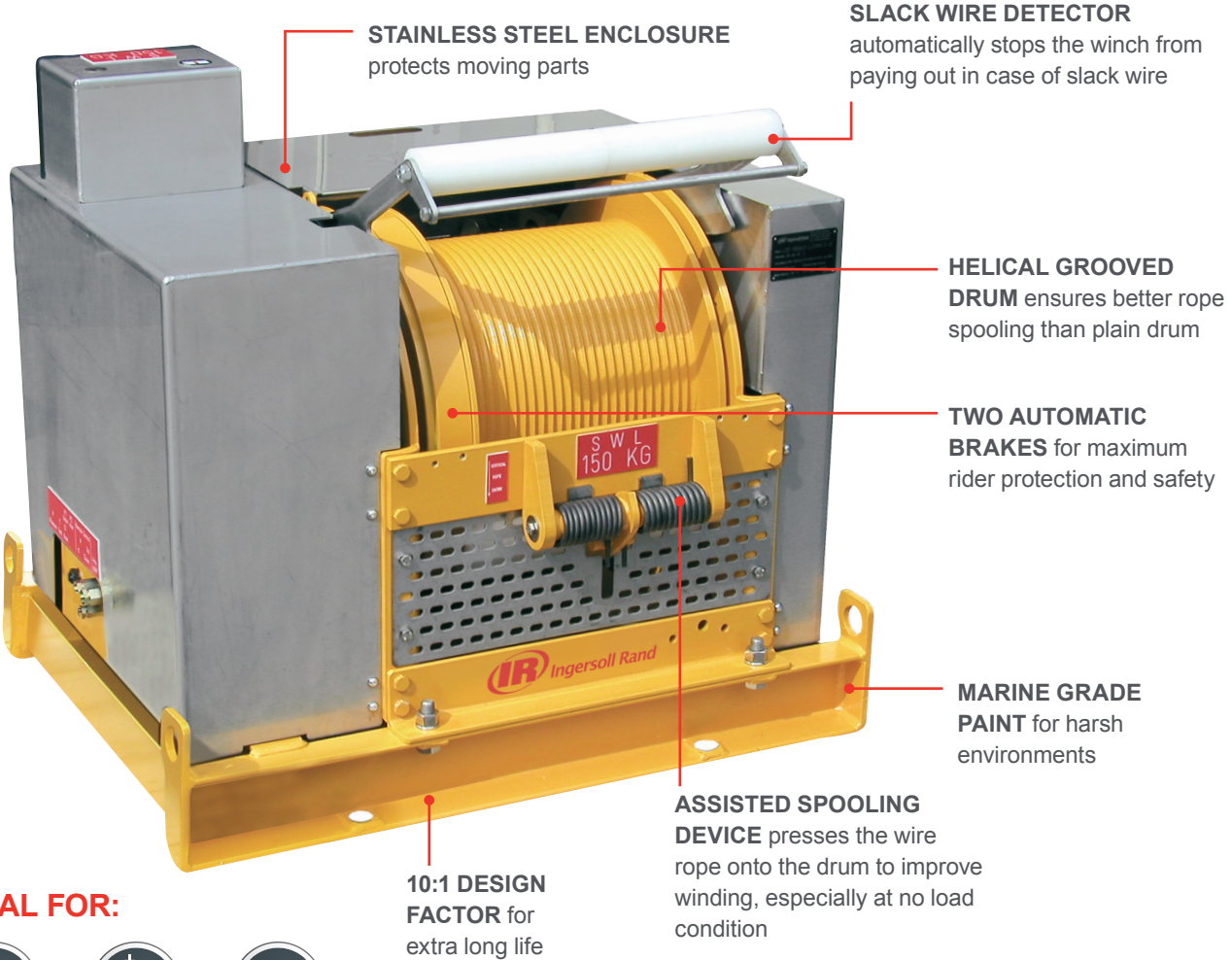
Lifting Ratings at 10:1 design factor and performance at 6.3 bar (90 psi) at air inlet when winch is operating										
Model	Line Pull Capacity			Lifting Speed at Top Layer	Air Consumption with Rated Load	Air Volume Needed to Move Rated Load at Top Layer	Sound Level as per EN 14492-1	Drum Capacity ⁽¹⁾		Net Weight
	First Layer kg (lb)	Mid Drum kg (lb)	Top Layer kg (lb)	m/min (f/fpm)	m³/min (ft³/min)	3 m (10 ft)	dB(A)	Rope Length m (ft)	Rope Diameter mm (in)	kg (lb)
LS2-150RLP	150 (330)	150 (330)	150 (330)	30 (98)	2.5 (88.3)	0.3 (9.0)	89	150 (492)	10 (38)	210 (463)

⁽¹⁾ Wire rope is tightly wound with no freeboard.

LIFTSTAR DEDICATED MAN RIDER® HYDRAULIC WINCHES

150 kg (330 lb)

Ingersoll Rand Liftstar Hydraulic Man Rider® winches are specifically designed for safe and reliable personnel lifting. They feature a tough, full-stainless steel enclosure that protects moving parts and marine grade paint to stand up to harsh environments. Liftstar Hydraulic Man Rider® winches include multiple fail-safe features such as emergency stop and emergency lifting and lowering devices to help keep your personnel safe. Designed to meet the latest regulations including CE, ATEX and DNV type approval, Ingersoll Rand Liftstar Hydraulic Man Rider® winches work wherever you do. Built with our decades of experience, count on Ingersoll Rand's time-proven design wherever you need to lift or lower people.



Onshore



Offshore



Marine

Lifting Ratings at 10:1 design factor and performance at 6.3 bar (90 psi) at air inlet when winch is operating									
Model	Line Pull Capacity			Lifting Speed at Top Layer	Operating Pressure	Max Flow with Rated Load	Max Drum Capacity	Rope Diameter	Net Weight
	First Layer kg (lb)	Mid Drum kg (lb)	Top Layer kg (lb)	m/min (ft/fpm)	bar (psi)	l/min (gal/min)	m (ft)	mm (in)	kg (lb)
LS2-150HLP-L-E	150 (330)	150 (330)	150 (330)	30 (98)	105 (1,523)	10 (2.64)	154 (505)	10 (3/8)	380 (838)

(1) Wire rope is tightly wound with no freeboard.

INFINITY DUAL PURPOSE AIR WINCHES

1,445-5,000 kg (3,180-11,000 lb)

Ingersoll Rand Dual Purpose winches are designed to maximize the use of your equipment. They combine the time-tested, rugged durability of our standard Infinity 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. Often copied, but never equaled, count on Ingersoll Rand Dual Purpose winches to get the job done.

ADJUSTABLE DRUM GUARD comes standard on all dual purpose winches

MANUAL DRUM BRAKE or optional auto drum or auto disc brake

LIFT-TO-SHIFT VARIABLE SPEED LEVER provides precise control and built-in safety

MINIMUM 18:1 drum diameter to wire rope diameter

LIFTING LUGS designed for lifting weight of winch plus full drum of wire rope

GEARBOX-IN-DRUM DESIGN reduces size and helps the winch fit in compact applications

SELF-CLEANING K5C2 control valve improves flow and performance.

RADIAL PISTON AIR MOTOR provides reliable power with adjustable speed for any use

FABRICATED STEEL FRAME provides maximum durability

IDEAL FOR:



Onshore



Offshore



Marine

Personnel Lifting Ratings at 8:1 design factor and performance at 6.3 bar (90 psi) at air inlet when winch is operating

Model	Rated Capacity at Top Layer	Lifting Speed at Top Layer	Air Consumption with Rated Load	Air Volume Needed to Move Rated Load at Top Layer	Sound Level as per EN 14492-1	Drum Capacity ⁽¹⁾		Net Weight
	kg (lb)	m/min (fpm)	m ³ /min (ft ³)	3 m (10 ft)	dB(A)	Length m (ft)	Rope Diameter mm (in)	kg (lb)
FA2i-MR24MK1G	1,445 (3,180)	23 (75)	8 (280)	1.0 (37.3)	87	430 (1,435)	13 (1/2)	420 (925)
FA2.5i-MR24M-	1,445 (3,180)	53 (173)	20 (700)	1.1 (40.5)	97	430 (1,435)	13 (1/2)	574 (1,265)
FA5i-MR24MK1G	3,123 (6,870)	23 (75)	20 (700)	2.6 (93.3)	97	410 (1,346)	20 (3/4)	907 (2,000)

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

FA2i-MR24MK1G	2,000 (4,400)	16 (51)	8 (280)	1.5 (54.9)	87	430 (1,435)	13 (1/2)	420 (925)
FA2.5i-	2,273 (5,000)	40 (132)	20 (700)	1.5 (53.0)	97	430 (1,435)	13 (1/2)	574 (1,265)
FA5i-MR24MK1G	5,000 (11,000)	16 (54)	20 (700)	3.8 (129.6)	97	410 (1,346)	20 (3/4)	907 (2,000)

⁽¹⁾ Wire rope is tightly wound with no freeboard.

THIRD GENERATION DUAL PURPOSE AIR WINCHES

920-3,600 kg (2,035-8,000 lb)

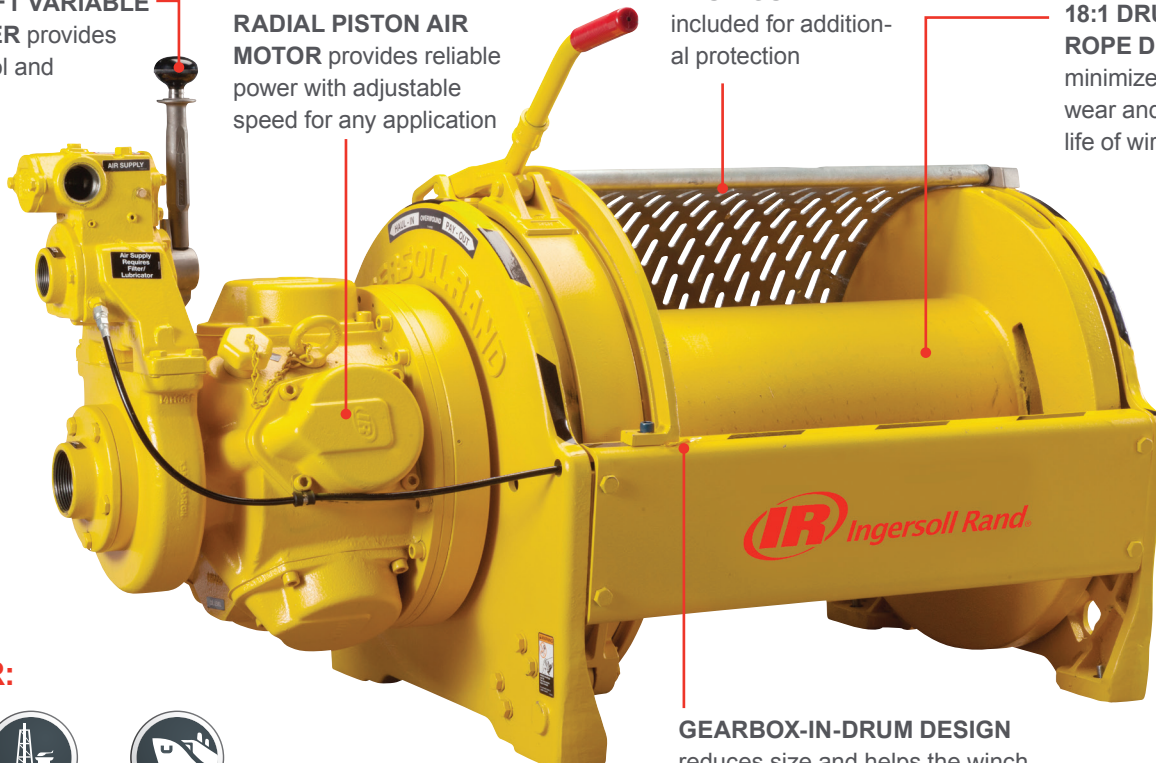
Ingersoll Rand Dual Purpose winches are designed to maximize the use of your equipment. They combine the time-tested, rugged durability of our standard Third Generation winches with enhanced safety features for lifting personnel. In environments where dedicated Man Rider® winches are not required, Ingersoll Rand Dual Purpose winches offer you the versatility to lift people and material with one winch. Often copied, but never equaled, count on Ingersoll Rand Dual Purpose winches to get the job done.

LIFT-TO-SHIFT VARIABLE SPEED LEVER provides precise control and built-in safety

RADIAL PISTON AIR MOTOR provides reliable power with adjustable speed for any application

DRUM GUARD included for additional protection

18:1 DRUM TO WIRE ROPE DIAMETER minimizes unnecessary wear and increases the life of wire rope



GEARBOX-IN-DRUM DESIGN reduces size and helps the winch fit in compact applications

IDEAL FOR:



Onshore



Offshore



Marine

Personnel Lifting Ratings at 8:1 design factor and performance at 6.3 bar (90 psi) at air inlet when winch is operating

Model	Rated Capacity at Top Layer	Lifting Speed at Top Layer	Air Consumption with Rated Load	Air Volume Needed to Move Rated Load at Top Layer	Sound Level as per EN 14492-1	Drum Capacity ⁽¹⁾		Net Weight
	kg (lb)	m/min (fpm)	m ³ /min (ft ³ /min)	3 m (10 ft)	dB(A)	Rope Length m (ft)	Rope Diameter mm (in)	kg (lb)
FA2BMR24MK1G	920 (2,035)	62 (202)	10.0 (350)	0.5 (17.3)	87	392 (1287)	13 (1/2)	357 (786)
FA2.5AMR24M-	1,420 (3,125)	58 (191)	20.0 (700)	1.0 (36.6)	87	392 (1287)	13 (1/2)	411 (905)
FA5AMR24MK1G	2,280 (5,035)	41 (136)	20.0 (700)	1.5 (51.5)	89	366 (1200)	20 (3/4)	837 (1842)

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

FA2BMR24MK1G	1,450 (3,200)	37 (122)	10.0 (350)	0.8 (28.7)	87	392 (1287)	13 (1/2)	357 (786)
	1,860 (4,100)	43 (141)	20.0 (700)	1.4 (49.6)	87	392 (1287)	13 (1/2)	411 (905)
FA5AMR24MK1G	3,600 (8,000)	13 (43)	20.0 (700)	4.6 (162.8)	89	366 (1200)	20 (3/4)	837 (1842)

⁽¹⁾ Wire rope is tightly wound with no freeboard.



Ingersoll Rand (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity and efficiency.

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Learn more at www.ingersollrand.com