



Hydraulic Force Series™ Utility Winches

Customizable. Fully Tested. One Complete Solution.

The new Ingersoll Rand® Hydraulic Force Series™ utility winch portfolio is designed for safe and reliable operation in tough conditions, while meeting the needs of both land rig manufacturers and operators.

For Land Rig Manufacturers...

The search for the ideal hydraulic utility winch is finally over. With a fully configured, OEM-backed solution customized to meet your needs, Ingersoll Rand® provides a complete offering to expedite everything from procurement to rig commissioning. Controls are already plumbed and tested, making the Hydraulic Force Series™ winch a ready to use, one-stop, drop-in solution. A variety of control options including a wireless compatible interface also gives you the flexibility to meet growing technology trends.

For Land Rig Operators...

The new Hydraulic Force Series™ utility winch portfolio offers many advantages. With a complete line of OEM-backed options and accessories, you can configure the winch for your unique operating environment. Our extensive channel streamlines the process for getting parts and product support for your operations from Texas to Alberta and beyond.

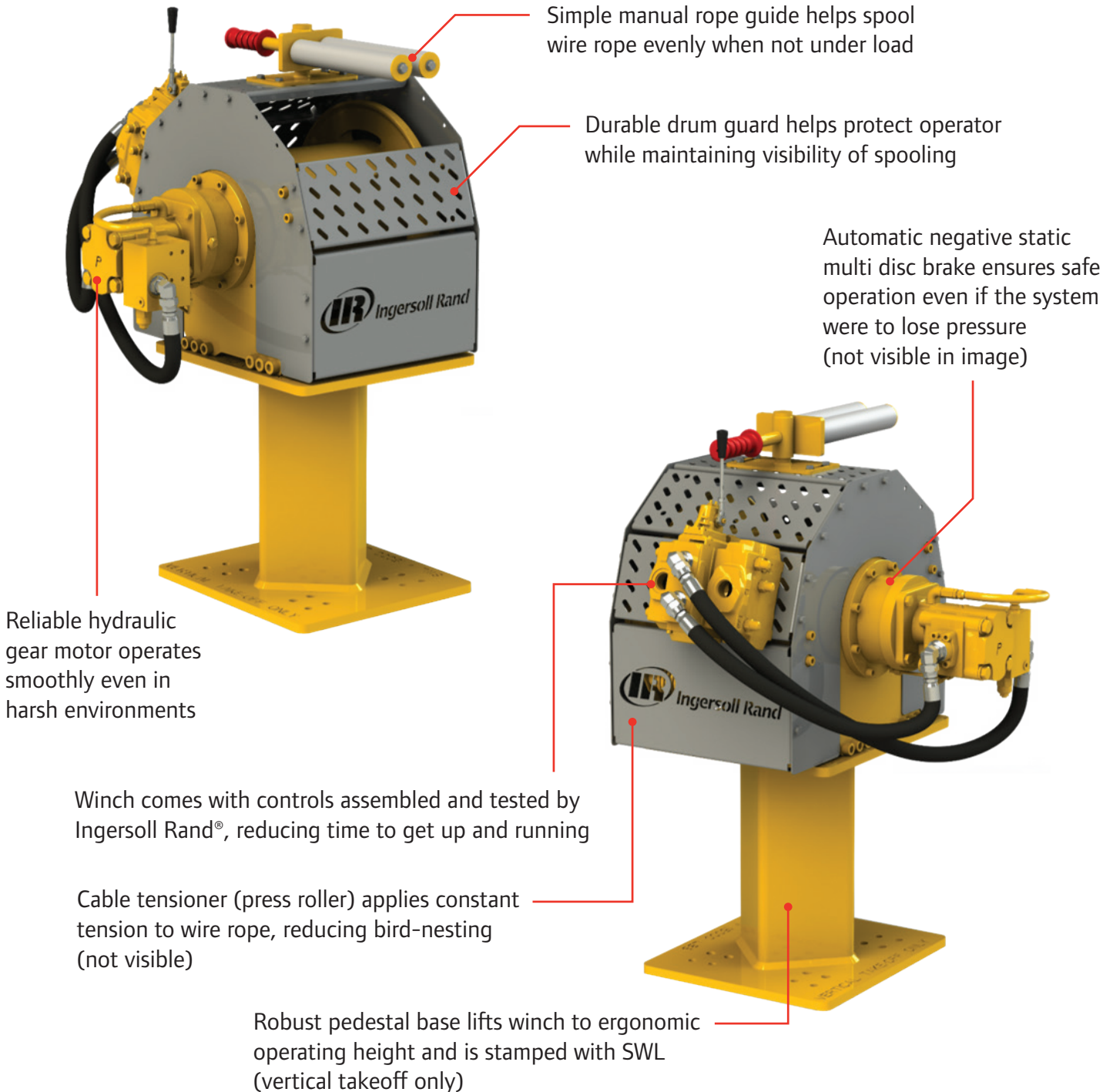
For decades, businesses have trusted Ingersoll Rand® to provide safe and reliable material handling solutions. The Hydraulic Force Series™ is just the next step in helping you reach your goals.



12,000 lb Hydraulic Force Series™ utility winch (HF12) with local controls and all accessories

Hydraulic Force Series™ Utility Winches

Features and Benefits



ingersollrandproducts.com

Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$13 billion global business committed to a world of sustainable progress and enduring results.



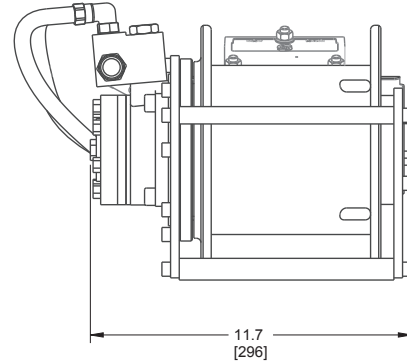
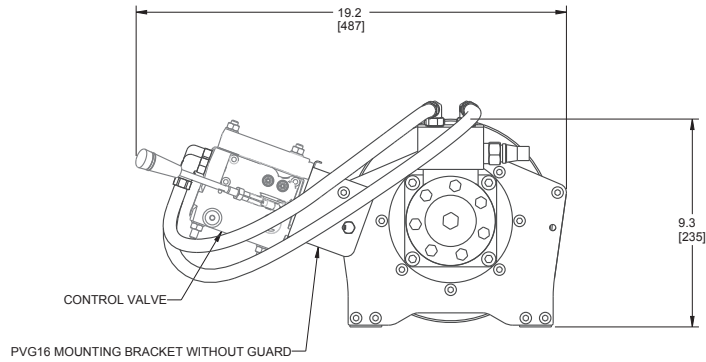
HF1 Hydraulic Force Series™ Utility Winch Specifications

Specification/Feature	HF1 Utility Winch
Motor Type	Orbital Motor
Gearing	Single-State Planetary Gearbox
Gear Ratio	5.23:1
First Layer Lifting Capacity (lbs)	1,100 lbs
Top Layer Lifting Capacity (lbs)	840 lbs
First Layer Line Speed (fpm)	164 fpm @ 7.7 GPM
Top Layer Line Speed (fpm)	214 fpm @ 7.7 GPM
Rope Storage Capacity (ft)	135ft (5/16" wire rope)
Working Rope Capacity (ft)	97 ft (5/16" wire rope)
Operating Pressure (psi)	2250 psi (max)
Flow Rate (gpm)	7.7 gpm (max)
Shipping Weight (lbs)	75 lbs*
Drum Length (in)	5.79"
Brakes	Disc + counterbalance valve
Throttle Type	Manual proportional
Min Design Temperature	-10°C (14°F)
D/d Ratio	20:1 (5/16" wire rope)
Cable Anchor Design	Drum Wedge
Control Options	Local Lever Standard Option for Remote Lever
Drum Guard	Option
Cable Tensioner (Press Roller)	Option
Other Features of Note	Electric over hydraulic control valve configured for wireless controller

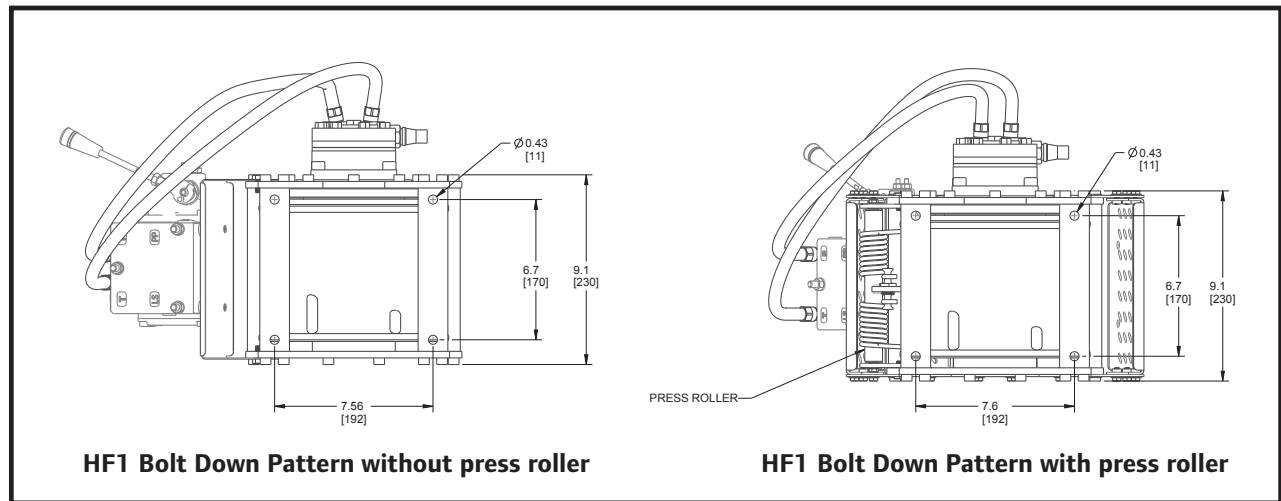
*Weight will vary depending on final configuration

HF1 Hydraulic Force Series™ Utility Winch Dimensions

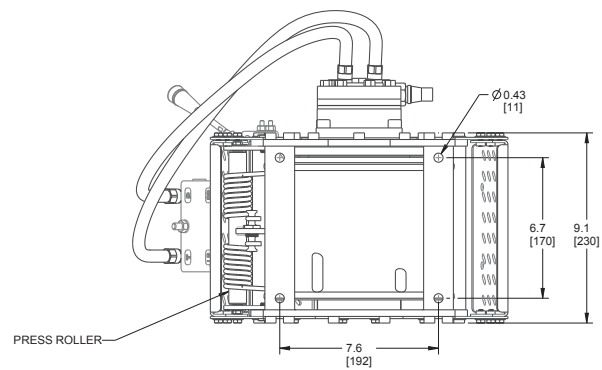
HF1 Dimensions with Local Controls



Mounting Controls without guard

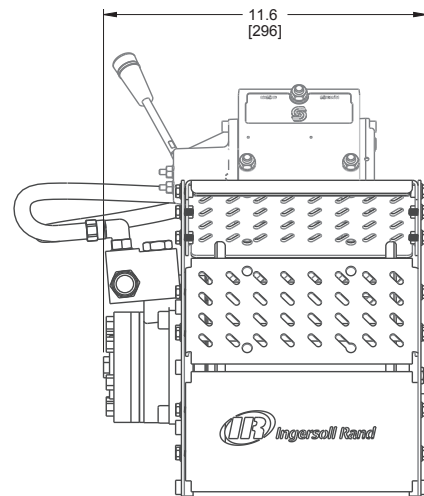
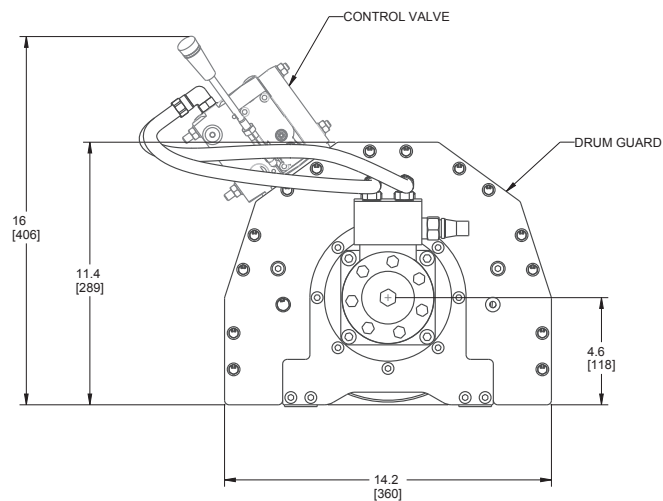


HF1 Bolt Down Pattern without press roller



HF1 Bolt Down Pattern with press roller

HF1 Dimensions with Local Controls & Accessories



ingersollrandproducts.com

Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$14 billion global business committed to a world of sustainable progress and enduring results. For more information, visit ingersollrandproducts.com/hydraulicforce.



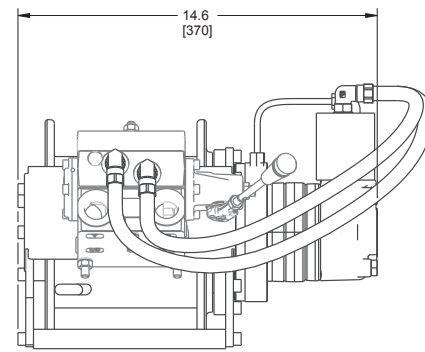
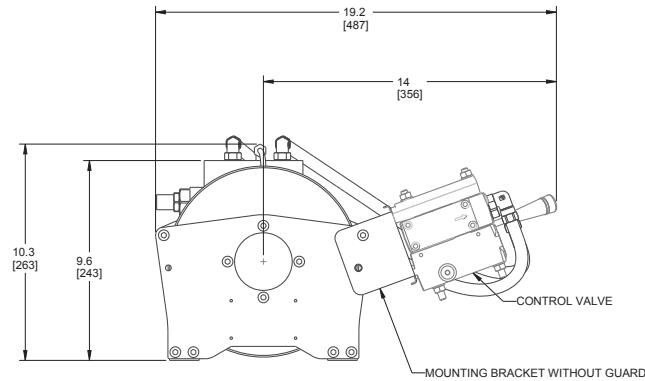
HF3 Hydraulic Force Series™ Utility Winch Specifications

Specification/Feature	HF3 Utility Winch
Motor Type	Orbital Motor
Gearing	Single-State Planetary Gearbox
Gear Ratio	5.23:1
First Layer Lifting Capacity (lbs)	3,000 lbs
Top Layer Lifting Capacity (lbs)	2,320 lbs
First Layer Line Speed (fpm)	140 fpm @ 15 GPM
Top Layer Line Speed (fpm)	180 fpm @ 15 GPM
Rope Storage Capacity (ft)	82 ft (3/8" wire rope)
Working Rope Capacity (ft)	52 ft (3/8" wire rope)
Operating Pressure (psi)	2250 psi (max)
Flow Rate (gpm)	15 gpm (max)
Shipping Weight (lbs)	100 lbs*
Drum Length (in)	5.79"
Brakes	Disc + counterbalance valve
Throttle Type	Manual proportional
Min Design Temperature	-10°C (14°F)
D/d Ratio	17:1 (3/8" wire rope)
Cable Anchor Design	Drum Wedge
Control Options	Local Lever Standard Option for Remote Lever
Drum Guard	Option
Cable Tensioner (Press Roller)	Option
Other Features of Note	Electric over hydraulic control valve configured for wireless controller

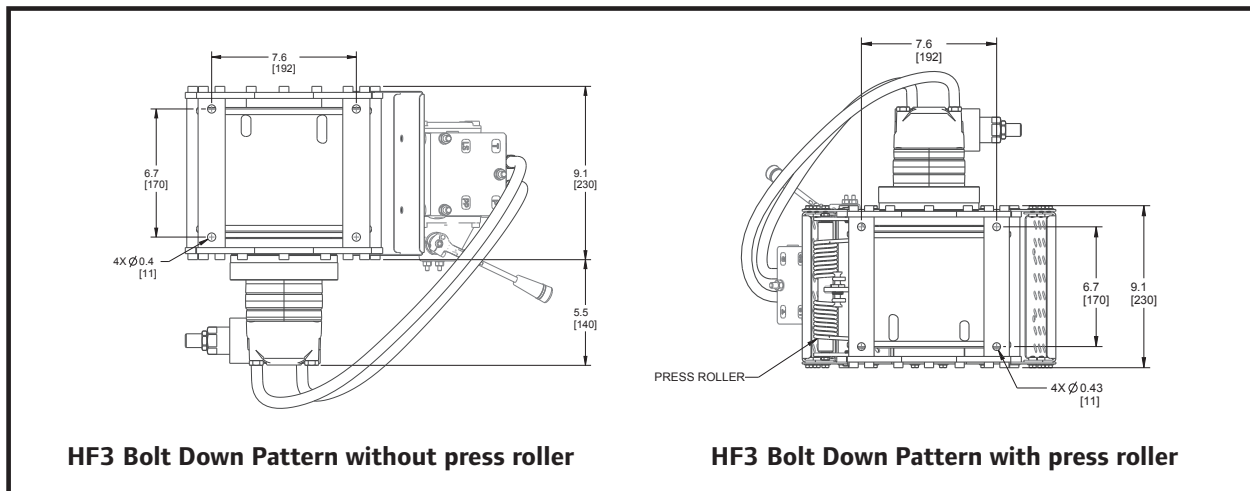
*Weight will vary depending on final configuration

HF3 Hydraulic Force Series™ Utility Winch Dimensions

HF3 Dimensions with Local Controls



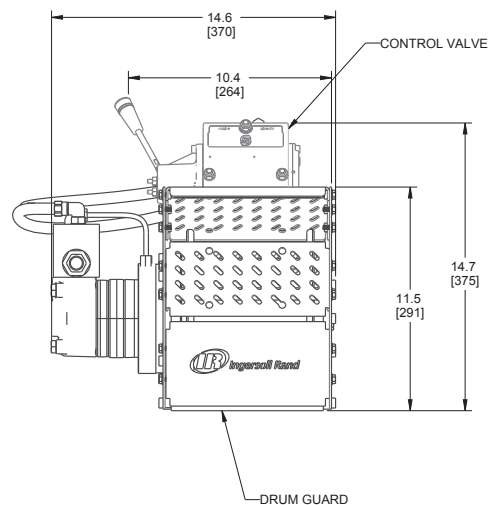
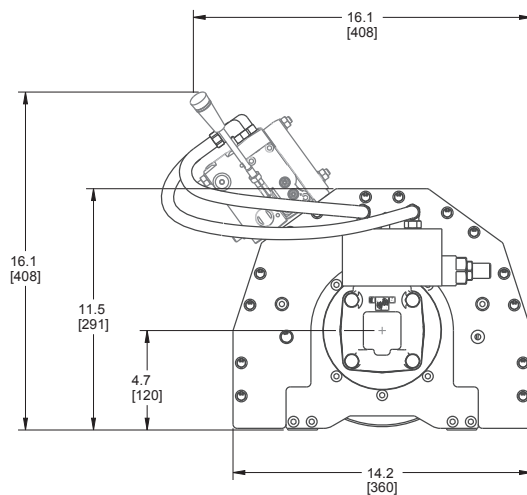
Mounting Controls without guard



HF3 Bolt Down Pattern without press roller

HF3 Bolt Down Pattern with press roller

HF3 Dimensions with Local Controls & Accessories



ingersollrandproducts.com

Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$14 billion global business committed to a world of sustainable progress and enduring results. For more information, visit ingersollrandproducts.com/hydraulicforce.



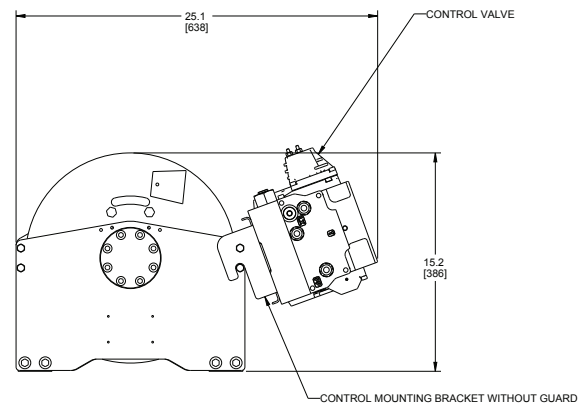
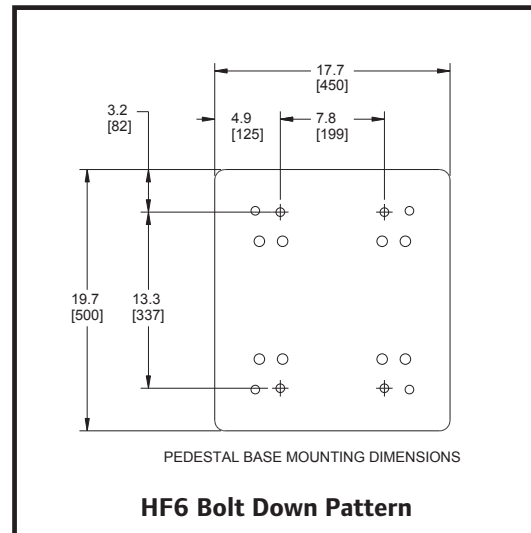
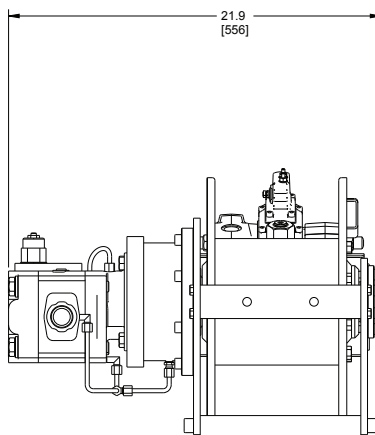
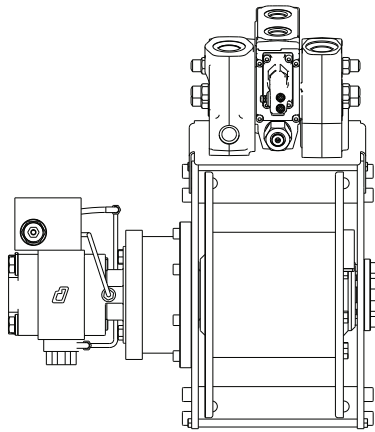
HF6 Hydraulic Force Series™ Utility Winch Specifications

Specification/Feature	HF6 Utility Winch
Motor Type	Gear Motor
Gearing	Multi-Stage Planetary Gearbox
Gear Ratio	26.5:1
First Layer Lifting Capacity (lbs)	6,000 lbs
Top Layer Lifting Capacity (lbs)	3,600 lbs
First Layer Line Speed (fpm)	223 fpm @ 60 GPM
Top Layer Line Speed (fpm)	371 fpm @ 60 GPM
Rope Storage Capacity (ft)	360 ft (7/16" wire rope)
Working Rope Capacity (ft)	302 ft (7/16" wire rope)
Operating Pressure (psi)	2100 psi (max)
Flow Rate (gpm)	60 gpm (max)
Shipping Weight (lbs)	200 lbs*
Drum Length (in)	7.28"
Brakes	Disc + counterbalance valve
Throttle Type	Manual proportional
Min Design Temperature	-10°C (14°F)
D/d Ratio	18:1 (7/16" wire rope)
Cable Anchor Design	Side Pocket
Control Options	Local Lever Standard Option for Remote Lever
Drum Guard	Option
Cable Tensioner (Press Roller)	Option
Pedestal Base (Vertical Takeoff Only)	Option
Manual Rope Guide	Option
Other Features of Note	Electric over hydraulic control valve configured for wireless controller

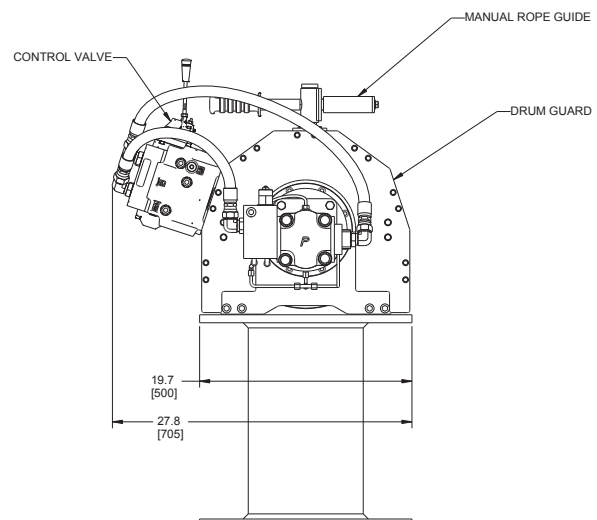
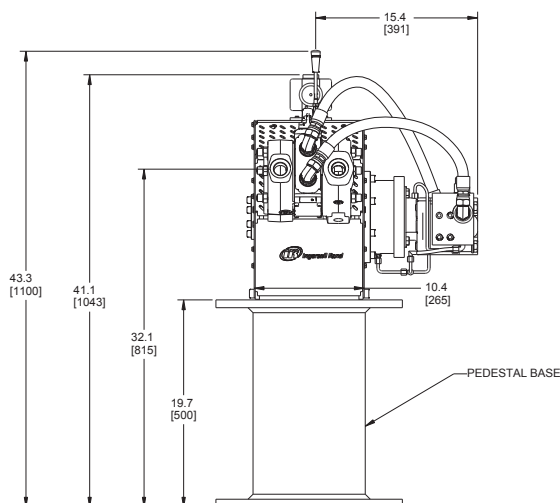
*Weight will vary depending on final configuration

HF6 Hydraulic Force Series™ Utility Winch Dimensions

HF6 Dimensions with Local Controls



HF6 Dimensions with Local Controls & Accessories



ingersollrandproducts.com

Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$14 billion global business committed to a world of sustainable progress and enduring results. For more information, visit ingersollrandproducts.com/hydraulicforce.



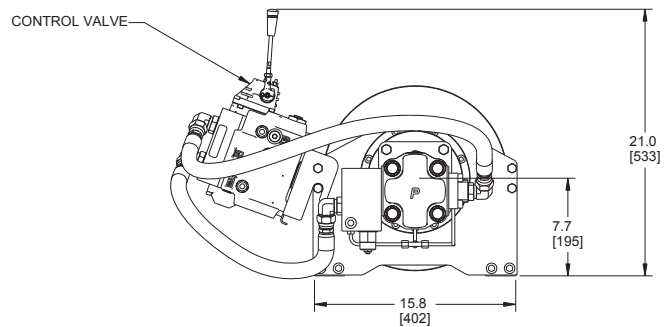
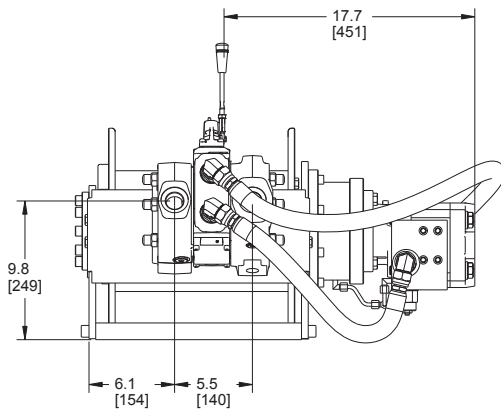
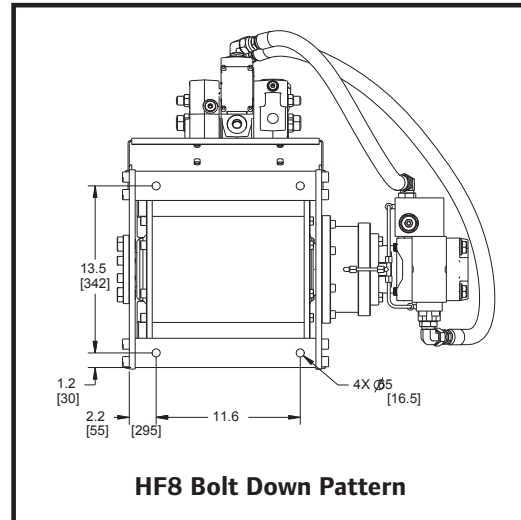
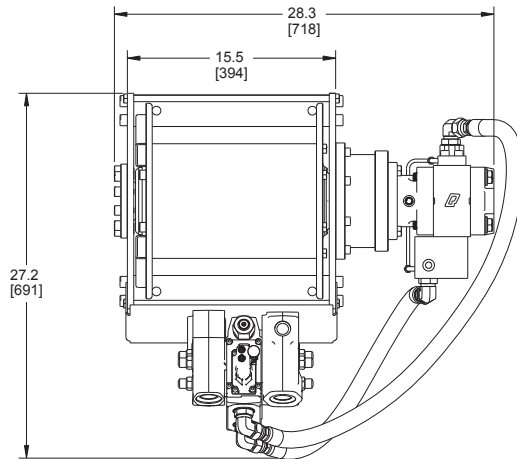
HF8 Hydraulic Force Series™ Utility Winch Specifications

Specification/Feature	HF8 Utility Winch
Motor Type	Hydraulic Gear
Gearing	Multi-Stage Planetary Gearbox
Gear Ratio	21:1
First Layer Lifting Capacity (lbs)	8,000 lbs
Top Layer Lifting Capacity (lbs)	5,500 lbs
First Layer Line Speed (fpm)	235 fpm @ 65 GPM
Top Layer Line Speed (fpm)	367 fpm @ 65 GPM
Rope Storage Capacity (ft)	424 ft (1/2" wire rope)
Working Rope Capacity (ft)	338 ft (1/2" wire rope)
Operating Pressure (psi)	2500 psi (max)
Flow Rate (gpm)	65 gpm (max)
Shipping Weight (lbs)	410 lbs*
Drum Length (in)	12.24"
Brakes	Disc + counterbalance valve
Throttle Type	Manual proportional
Min Design Temperature	-10°C (14°F)
D/d Ratio	18:1 (1/2" wire rope)
Cable Anchor Design	Side Pocket
Control Options	Local Lever Standard Option for Remote Lever
Drum Guard	Option
Cable Tensioner (Press Roller)	Option
Pedestal Base (Vertical Takeoff Only)	Option
Manual Rope Guide	Option
Other Features of Note	Electric over hydraulic control valve configured for wireless controller

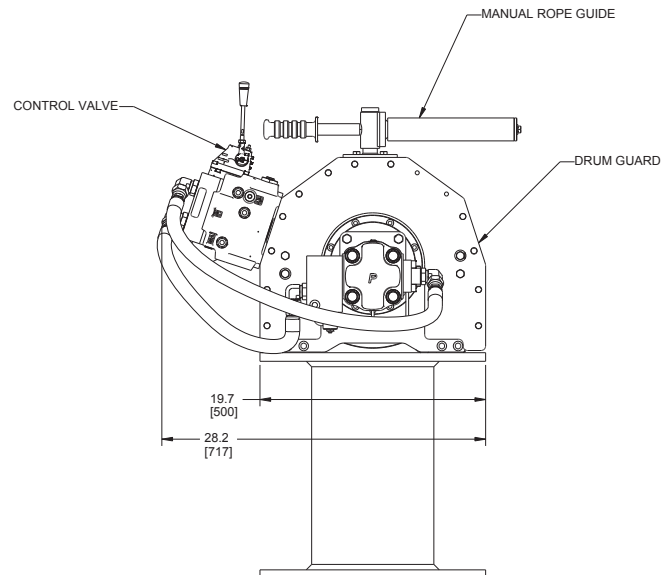
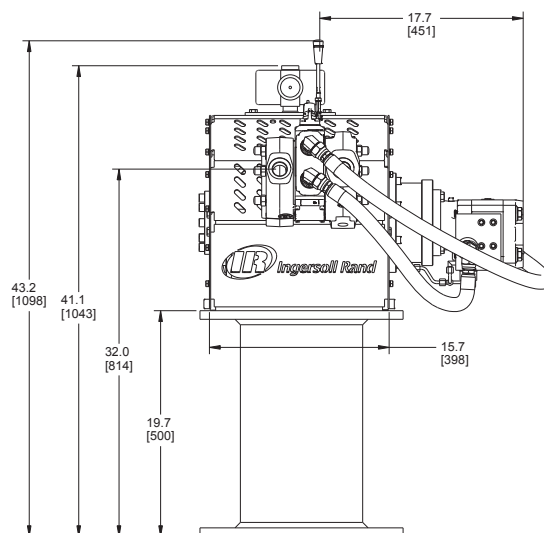
*Weight of the winch with local controls only

HF8 Hydraulic Force Series™ Utility Winch Dimensions

HF8 Dimensions with Local Controls



HF8 Dimensions with Local Controls & Accessories



ingersollrandproducts.com

Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$14 billion global business committed to a world of sustainable progress and enduring results. For more information, visit ingersollrandproducts.com/hydraulicforce.



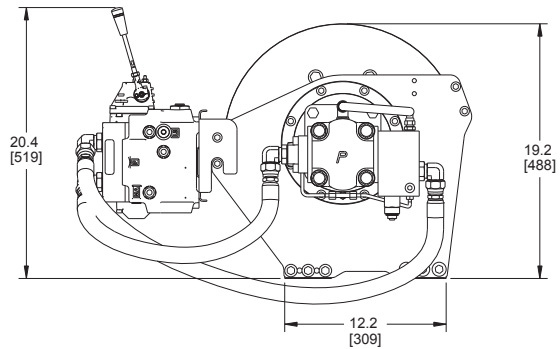
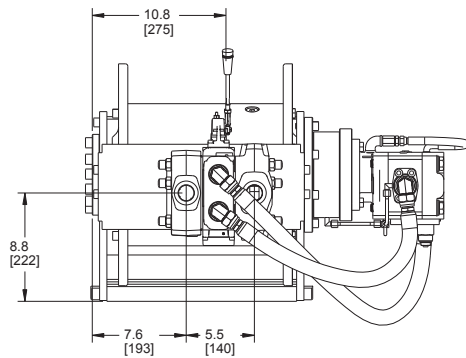
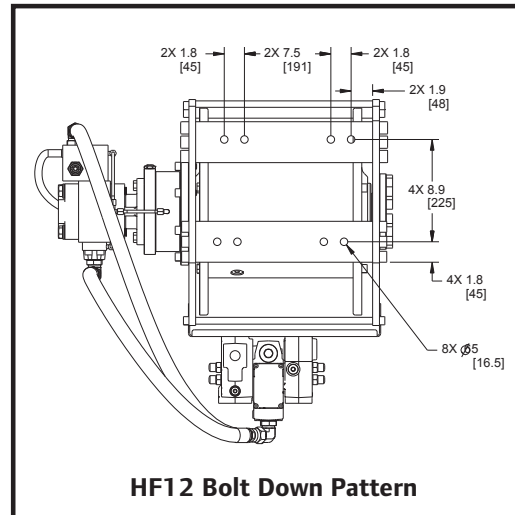
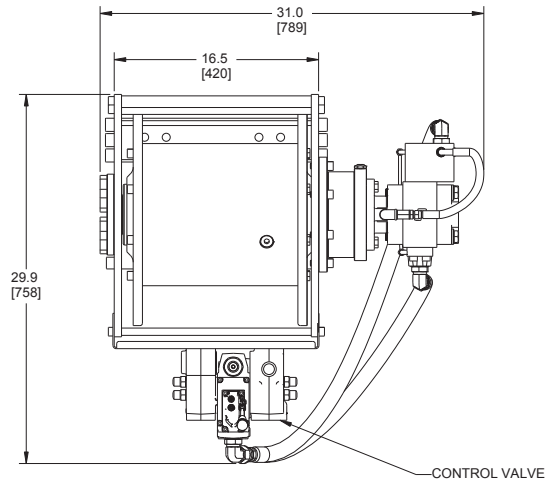
HF12 Hydraulic Force Series™ Utility Winch Specifications

Specification/Feature	HF12 Utility Winch
Motor Type	Hydraulic Gear
Gearing	Multi-Stage Planetary Gearbox
Gear Ratio	64:1
First Layer Lifting Capacity (lbs)	12,000 lbs
Top Layer Lifting Capacity (lbs)	8,720 lbs
First Layer Line Speed (fpm)	165 fpm @ 65 GPM
Top Layer Line Speed (fpm)	242 fpm @ 65 GPM
Rope Storage Capacity (ft)	508 ft (9/16" wire rope)
Working Rope Capacity (ft)	407 ft (9/16" wire rope)
Operating Pressure (psi)	2500 psi (max)
Flow Rate (gpm)	65 gpm (max)
Shipping Weight (lbs)	600 lbs*
Drum Length (in)	12.89"
Brakes	Disc + counterbalance valve
Throttle Type	Manual proportional
Min Design Temperature	-10°C (14°F)
D/d Ratio	21:1 (9/16" wire rope)
Cable Anchor Design	Side Pocket
Control Options	Local Lever Standard Option for Remote Lever
Drum Guard	Option
Cable Tensioner (Press Roller)	Option
Pedestal Base (Vertical Takeoff Only)	Option Coming Soon
Manual Rope Guide	Option
Other Features of Note	Electric over hydraulic control valve configured for wireless controller

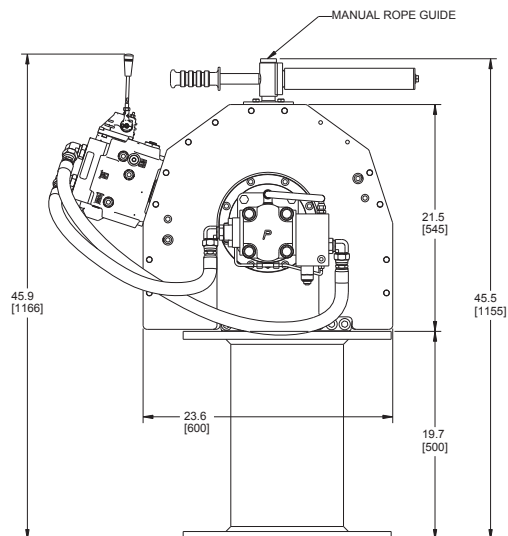
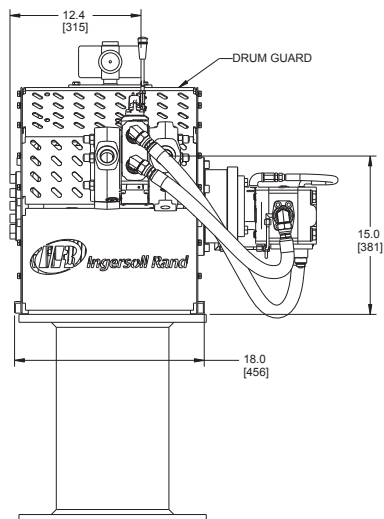
*Weight of the winch with local controls only

HF12 Hydraulic Force Series™ Utility Winch Dimensions

HF12 Dimensions with Local Controls



HF12 Dimensions with Local Controls & Accessories



ingersollrandproducts.com

Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$14 billion global business committed to a world of sustainable progress and enduring results. For more information, visit ingersollrandproducts.com/hydraulicforce.