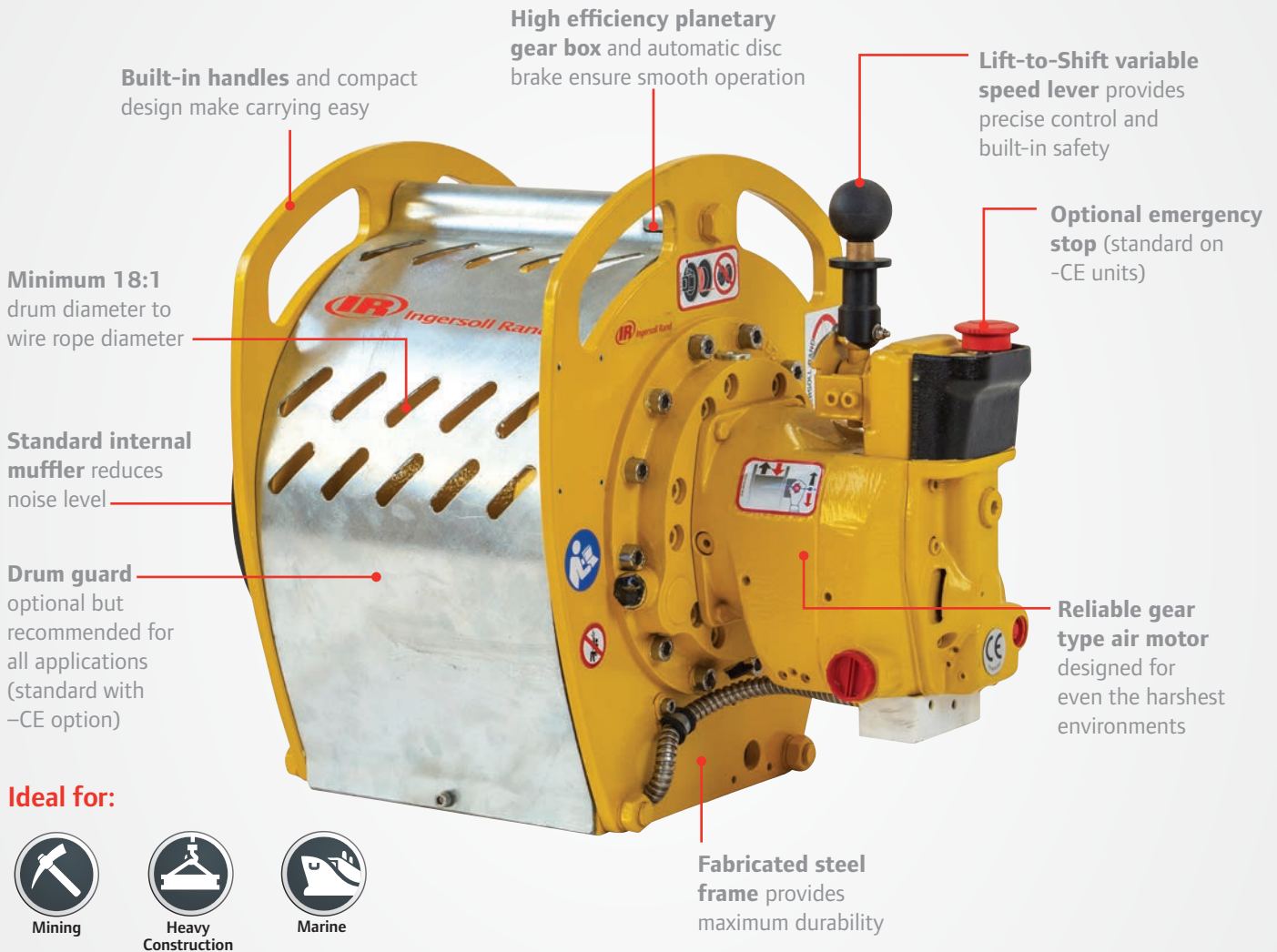


Liftstar Portable Air Winches

300–1,500 kg (660–3,300 lb)

With a tough, yet compact design, Ingersoll Rand Liftstar portable winches are easy to carry. Their rugged gear motors have only two moving parts which makes them virtually maintenance free even after being stored. They are easy to transport wherever you need them and rugged enough to give you the lifting power you need no matter how harsh the conditions.



Ideal for:



Mining



Heavy Construction



Marine

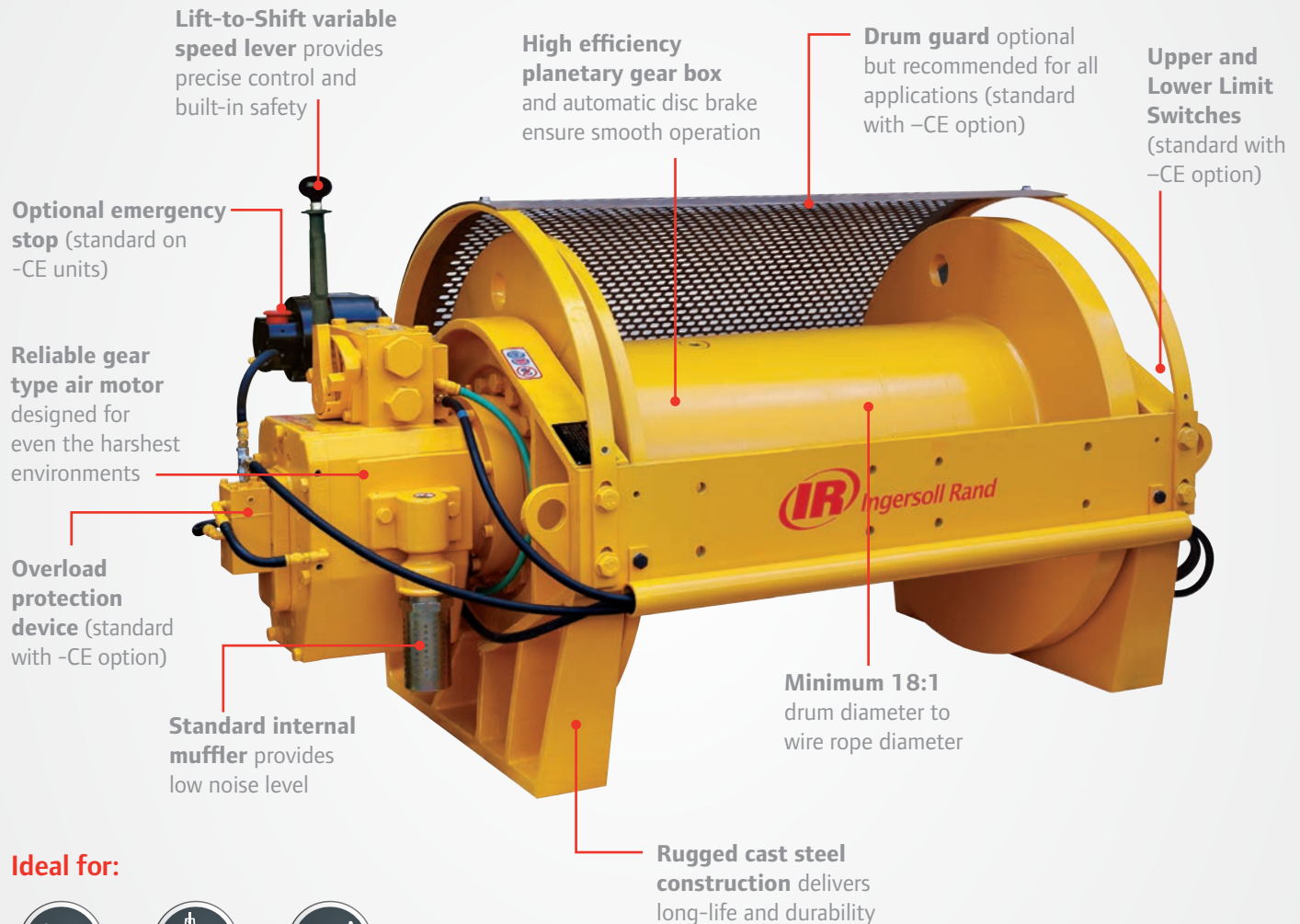
Lifting Ratings at 5:1 design factor and performance at 6.3 bar (90 psi) at air inlet when winch is operating										
Model	Line Pull Capacity			Lifting Speed at Top Layer ⁽¹⁾	Air Consumption with Rated Load	Air Volume Needed to Move Rated Load at Top Layer	Sound Level as per EN 14492-1	Drum Capacity ⁽²⁾		Net Weight
	First Layer kg (lb)	Mid Drum kg (lb)	Top Layer kg (lb)	m/min (fpm)	m ³ /min (ft ³ /min)	3 m (10 ft)	dB(A)	Max Rope Length m (ft)	Rope Diameter mm (in)	kg (lb)
LS2-300R-L	300 (660)	300 (660)	300 (660)	40 (131)	4 (141)	0.3 (10.8)	92	150 (492)	5 (3/16)	42 (93)
LS2-300RGC-L	300 (660)	300 (660)	300 (660)	40 (131)	4 (141)	0.3 (10.8)	92	307 (1,007)	5 (3/16)	49 (108)
LS2-600R-L	600 (1,320)	600 (1,320)	600 (1,320)	20 (66)	4 (141)	0.6 (21.4)	92	89 (292)	6.5 (1/4)	42 (93)
LS2-600RGC-L	600 (1,320)	600 (1,320)	600 (1,320)	20 (66)	4 (141)	0.6 (21.4)	92	183 (600)	6.5 (1/4)	49 (108)
LS2-1500R-L	1,500 (3,300)	1,500 (3,300)	1,500 (3,300)	10 (32)	4.8 (169)	1.5 (53.0)	90	61 (200)	10 (3/8)	67 (148)
LS2-1500RGC-L	1,500 (3,300)	1,500 (3,300)	1,500 (3,300)	10 (32)	4.8 (169)	1.5 (53.0)	90	128 (420)	10 (3/8)	79 (174)

⁽¹⁾ Top layer speed is based on rated capacity ⁽²⁾ Wire rope is tightly wound with no freeboard.

Liftstar Heavy Air Winches

2,000–5,000 kg (4,400–11,000 lb)

Ingersoll Rand Liftstar heavy winches incorporate a cast iron and steel design with a rugged gear motor for ultimate durability. They are available with options to suit any need no matter where in the world you operate. Reliable and simple to maintain, Liftstar heavy air winches are specifically built for the types of environments where lesser winches would fail.



Ideal for:



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

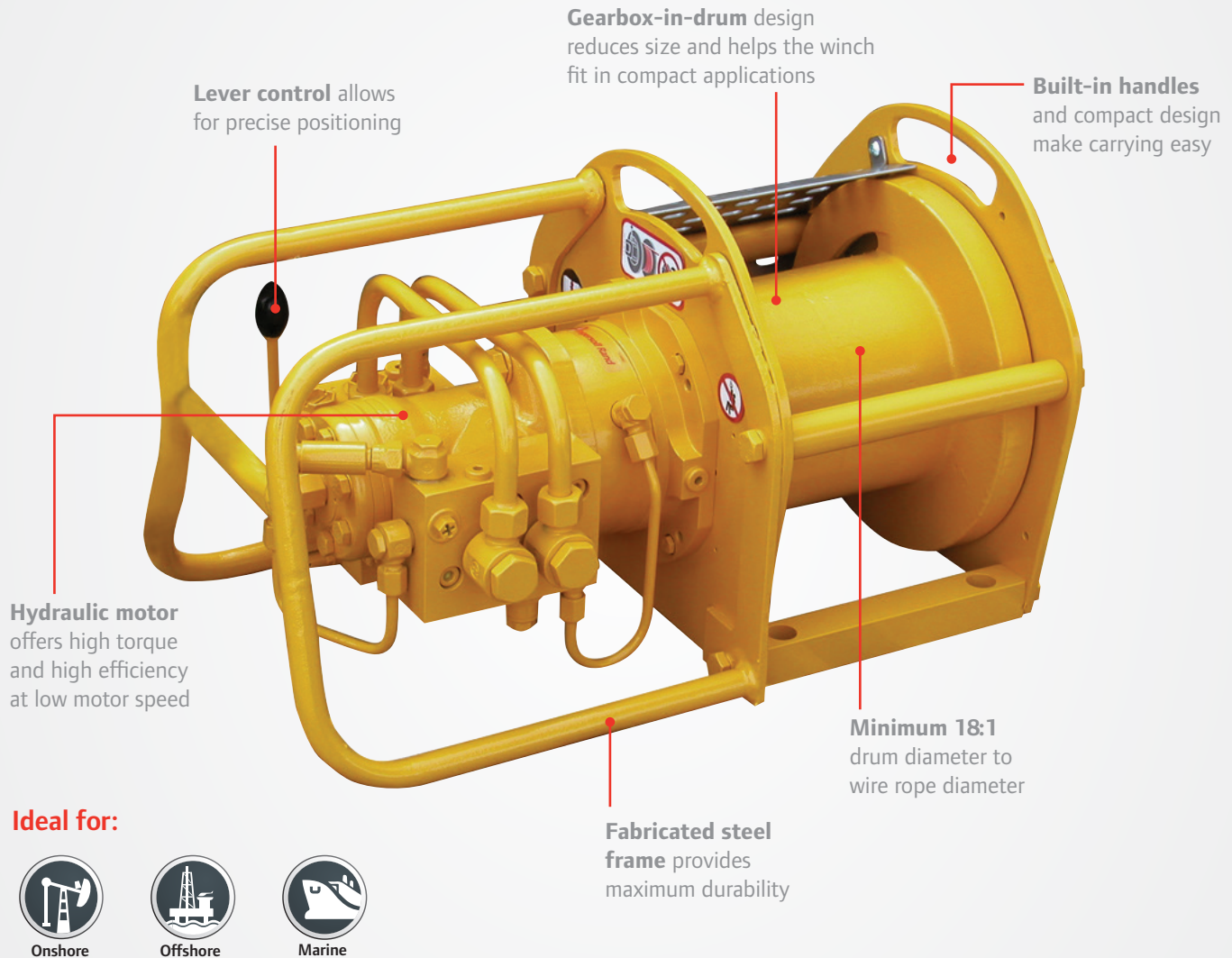
Model	Line Pull Capacity			Lifting Speed at Top Layer ⁽¹⁾	Air Consumption with Rated Load	Air Volume Needed to Move Rated Load at Top Layer	Sound Level as per EN 14492-1	Drum Capacity ⁽²⁾		Net Weight
	First Layer kg (lb)	Mid Drum kg (lb)	Top Layer kg (lb)					Rope Length m (ft)	Rope Diameter mm (in)	
LS2000R-L	2,800 (6,170)	2,400 (5,290)	2,000 (4,400)	20 (66)	10 (353)	1.5 (53.5)	95	156 (512)	13 (1/2)	230 (507)
LS2000RGC-L	2,800 (6,170)	2,400 (5,290)	2,000 (4,400)	20 (66)	10 (353)	1.5 (53.5)	95	230 (755)	13 (1/2)	283 (624)
LS5000R-L	6,500 (14,330)	5,750 (12,670)	5,000 (11,000)	10 (33)	10 (353)	3.0 (107.0)	87	224 (494)	20 (3/4)	645 (1,422)
LS5000RGC-L	6,500 (14,330)	5,750 (12,670)	5,000 (11,000)	10 (33)	10 (353)	3.0 (107.0)	87	473 (1,043)	20 (3/4)	760 (1,676)

⁽¹⁾ Top layer speed is based on rated capacity. ⁽²⁾ Wire rope is tightly wound with no freeboard.

Liftstar/Pullstar Portable Hydraulic Winches

600–700 kg (1,320–1,540 lb)

Ingersoll Rand's hydraulic Liftstar and Pullstar winches offer solid, cast iron and steel construction in a compact package that is easy to deploy wherever you need it. These winches are tough enough to work reliably day in and day out no matter where you put them. They feature dependable orbital hydraulic motors for high efficiency performance. Trusted for years wherever there are extreme lifting or pulling needs, Ingersoll Rand hydraulic winches are the ideal choice.



Lifting Ratings at 5:1 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	Motor Displacement	Operating Pressure	Rated Flow	Drum Capacity ⁽²⁾		Net Weight
	First Layer kg (lb)	Mid Drum kg (lb)	Top Layer kg (lb)	m/min (fpm)	cm ³ /rev (in ³ /rev)	bar (psi)	l/min (gal/min)	Rope Length m (ft)	Rope Diameter mm (in)	kg (lb)
LS2-600H40-L	800 (1,750)	700 (1,535)	600 (1,320)	20 (66)	40 (2.44)	100 (1,450)	25 (6.6)	89 (292)	6.5 (1/4)	52 (115)
LS2-600H40GC-L	800 (1,750)	700 (1,535)	600 (1,320)	20 (66)	40 (2.44)	100 (1,450)	25 (6.6)	183 (600)	6.5 (1/4)	59 (130)

Pulling Ratings at 3.5:1 design factor and performance at 6.3 bar (90 psi) at air inlet when winch is operating

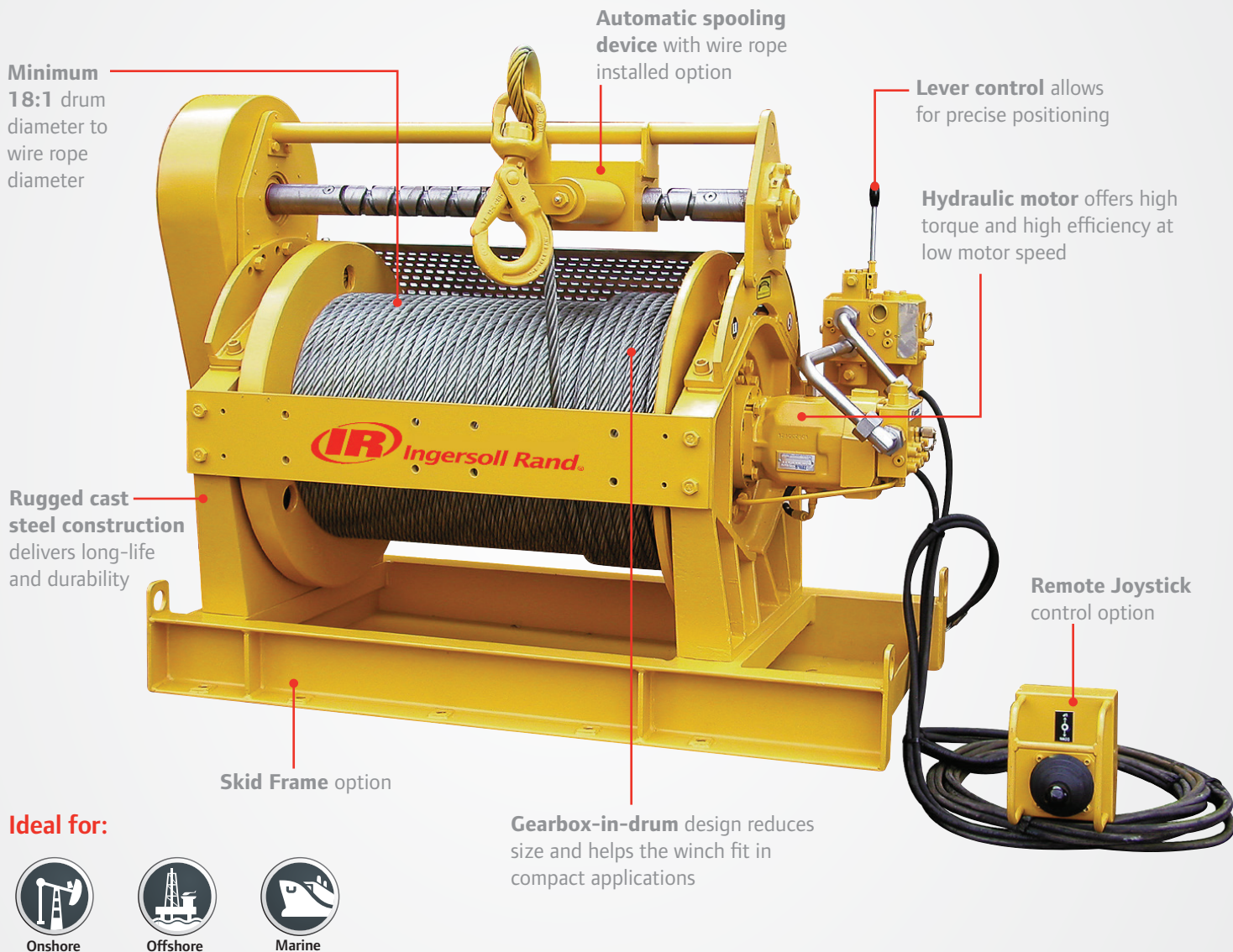
PS2-1000H40-L	1,000 (2,200)	850 (1,870)	700 (1,540)	20 (66)	40 (2.44)	120 (1,740)	25 (6.6)	89 (292)	6.5 (1/4)	52 (115)
PS2-1000H40GC-L	1,000 (2,200)	850 (1,870)	700 (1,540)	20 (66)	40 (2.44)	120 (1,740)	25 (6.6)	183 (600)	6.5 (1/4)	59 (130)

⁽¹⁾ Top layer speed is based on rated capacity. ⁽²⁾ Wire rope is tightly wound with no freeboard.

Liftstar Heavy Hydraulic Winches

2,000–5,000 kg (4,400–11,000 lb)

Ingersoll Rand heavy hydraulic Liftstar winches are designed for just about any lifting or application you can throw at them. They feature reliable hydraulic motors for capacities up to 5,000 kg. They can be mounted on a rigid support and operate in any position provided the drum is horizontal. With enclosed gear boxes for protection and cast iron and steel construction for durability, Liftstar heavy hydraulic winches will keep your production operating for years.



Ideal for:



Onshore



Offshore



Marine

Lifting Ratings at 5:1 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 m/min (fpm)	Motor Displacement m ³ /rev (in ³ /rev)	Operating Pressure bar (psi)	Rated Flow l/min (gal/min)	Drum Capacity ⁽²⁾		Net Weight kg (lb)
	First Layer kg (lb)	Mid Drum kg (lb)	Top Layer kg (lb)					Rope Length m (ft)	Rope Diameter mm (in)	
LS2000H30-L	2,800 (6,200)	2,400 (5,300)	2,000 (4,400)	30 (98)	30 (1.80)	150 (2,180)	65 (17.2)	156 (512)	13 (1/2)	300 (661)
LS2000H30GC-L	2,800 (6,200)	2,400 (5,300)	2,000 (4,400)	30 (98)	30 (1.80)	150 (2,180)	65 (17.2)	313 (1,026)	13 (1/2)	353 (778)
LS5000H75-L	6,500 (14,330)	5,750 (12,665)	5,000 (11,000)	30 (98)	75 (4.60)	150 (2,180)	142 (37.5)	219 (718)	20 (3/4)	730 (1,609)
LS5000H75GC-L	6,500 (14,330)	5,750 (12,665)	5,000 (11,000)	30 (98)	75 (4.60)	150 (2,180)	142 (37.5)	463 (1,519)	20 (3/4)	987 (2,176)

⁽¹⁾ Top layer speed is based on rated capacity.
⁽²⁾ Wire rope is tightly wound with no freeboard.

A Variety of Options



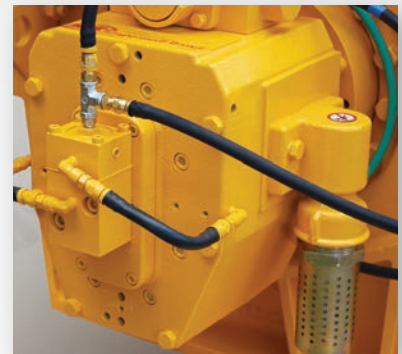
Drum guard

- Drum guard for non-CE models
- Airline accessories



Emergency stop

- Material traceability certificates on main load bearing parts
- Marine paint finish
- Witness test



Overload protection

- CE compliance with European Machinery Directive
- Estop, overload protection and Drum guard all part of CE option

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



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.

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
- Installation and start-up assistance
- Inspector and operator training
- Service and repair

For More Information



www.ingersollrandproducts.com/lifting



lifting@irco.com