

Pullstar Portable Air Winches

700–2,000 kg (1,540–4,400 lb)

Ingersoll Rand Pullstar portable winches are built for use on horizontal surfaces with little to no incline. Featuring a rugged, compact design Pullstar portable winches can easily be moved to wherever you need them. Pullstar portable winches include a highly reliable gear motor and a free spooling clutch for rapid manual rope pay out.



Ideal for:



Mining



Offshore



Marine

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

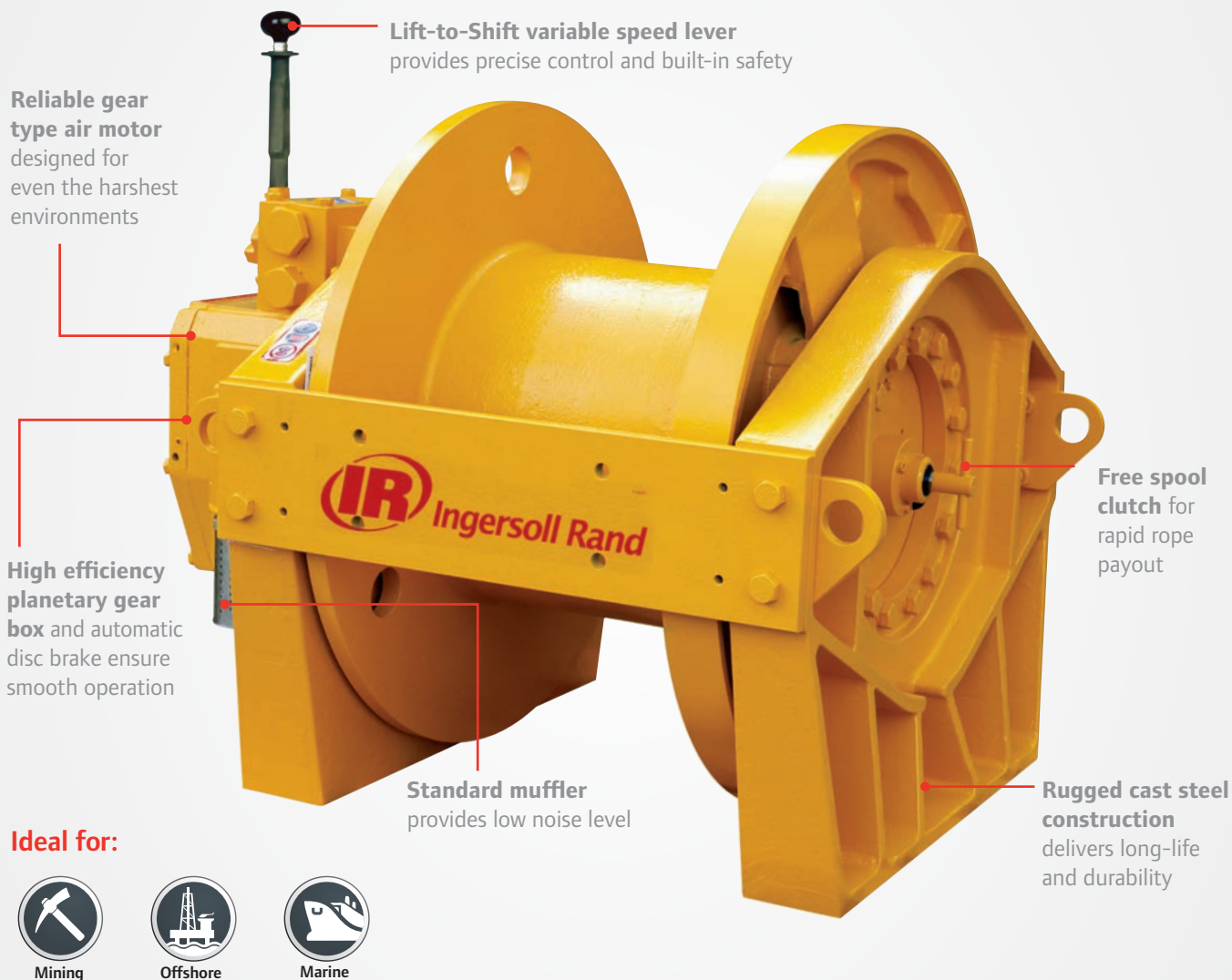
Model	Line Pull Capacity			Pulling Speed at Top Layer ⁽¹⁾	Air Consumption with Rated Load	Air Volume Needed to Move Rated Load at Top Layer	Sound Level as per EN 14492-1	Drum Capacity ⁽²⁾		Net Weight
	First Layer kg (lb)	Mid Drum kg (lb)	Top Layer kg (lb)					Max Rope Length m (ft)	Rope Diameter mm (in)	
PS2-1000R-L	1,000 (2,200)	850 (1,870)	700 (1,540)	20 (66)	4 (141)	0.6 (21.4)	92	89 (292)	6.5 (1/4)	38 (84)
PS2-1000RGC-L	1,000 (2,200)	850 (1,870)	700 (1,540)	20 (66)	4 (141)	0.6 (21.4)	92	183 (600)	6.5 (1/4)	45 (99)
PS2-2400R-L	2,400 (5,280)	2,150 (4,730)	2,000 (4,400)	6 (20)	4.8 (169)	2.4 (84.8)	90	60 (197)	11 (7/16)	85 (187)
PS2-2400RGC-L	2,400 (5,280)	2,150 (4,730)	2,000 (4,400)	6 (20)	4.8 (169)	2.4 (84.8)	90	127 (417)	11 (7/16)	100 (220)

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

Pullstar Heavy Air Winches

2,250–7,500 kg (4,950–16,530 kg)

Ingersoll Rand Pullstar heavy winches are designed specifically for pulling applications. They offer a 3.5:1 design factor and come standard with a disengaging clutch to quickly deploy the wire rope. Pullstar heavy winches use a low maintenance, highly reliable gear motor for high torque output and smooth starts and stops. When you combine the gear motor with cast iron and steel construction, Ingersoll Rand Pullstar heavy air winches are one of the most durable pulling winches available.



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

Model	Line Pull Capacity			Pulling 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 ⁽³⁾		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)	Rope Length m (ft)	Rope Diameter mm (in)	kg (lb)
PS4000R-L	4,000 (8,800)	3,250 (7,150)	2,500 (5,500)	7 (23)	12 (424)	5.1 (184.3)	95	156 (512)	13 (1/2)	225 (496)
PS4000RGC-L ⁽²⁾	3,600 (7,920)	2,925 (6,435)	2,250 (4,950)	8 (25)	12 (424)	4.5 (169.6)	95	230 (755)	13 (1/2)	278 (613)
PS10000R-L	10,000 (22,000)	8,740 (19,265)	7,500 (16,530)	4 (14)	12 (424)	9.0 (302.9)	87	224 (735)	20 (3/4)	640 (1,411)
PS10000RGC-L	10,000 (22,000)	8,740 (19,265)	7,500 (16,530)	4 (14)	12 (424)	9.0 (302.9)	87	473 (1,552)	20 (3/4)	755 (1,664)

⁽¹⁾ Top layer speed is based on rated capacity.

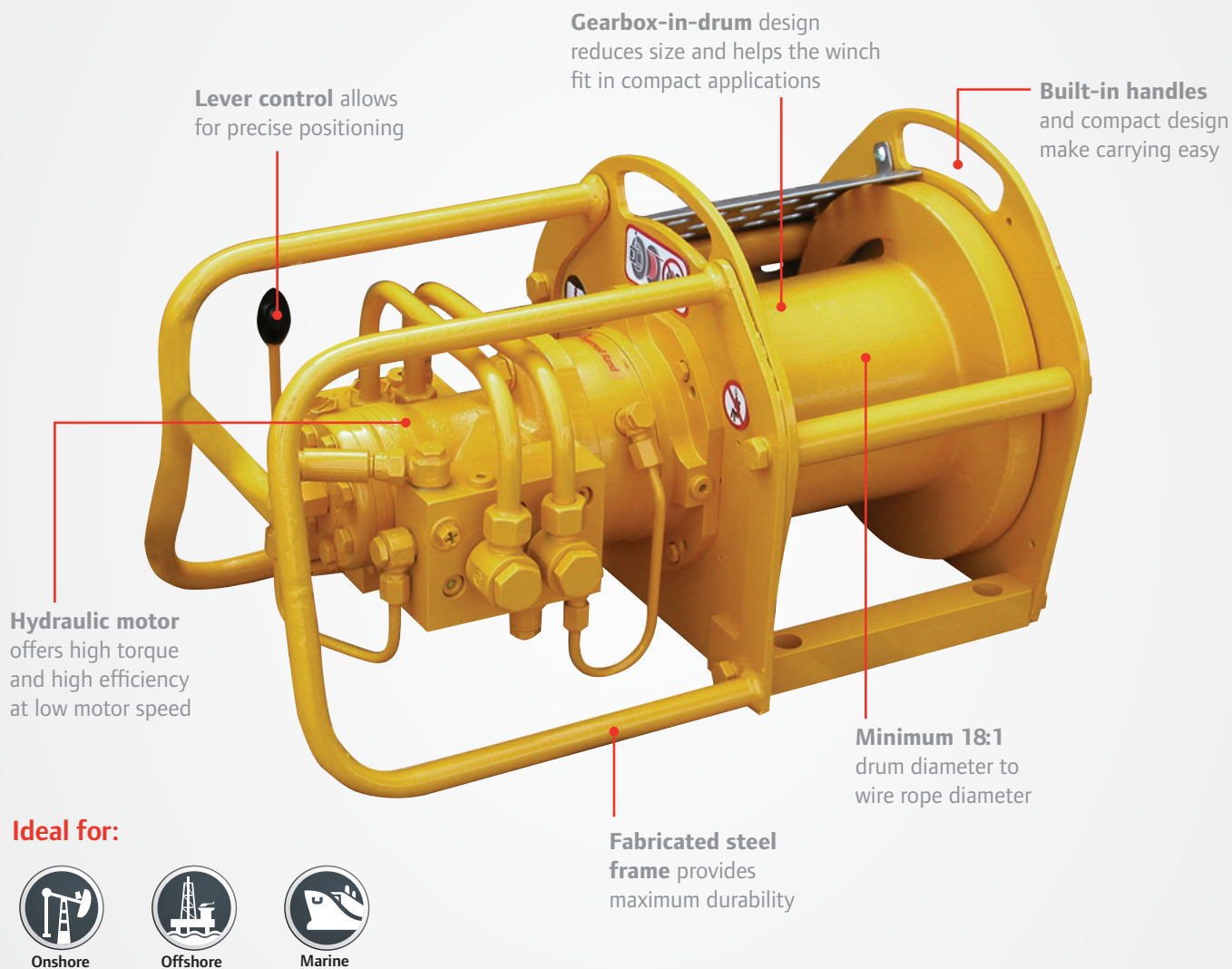
⁽²⁾ For PS4000RGC-L, line pulls are reduced by 10% and line speeds are increased by 10%.

⁽³⁾ 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.



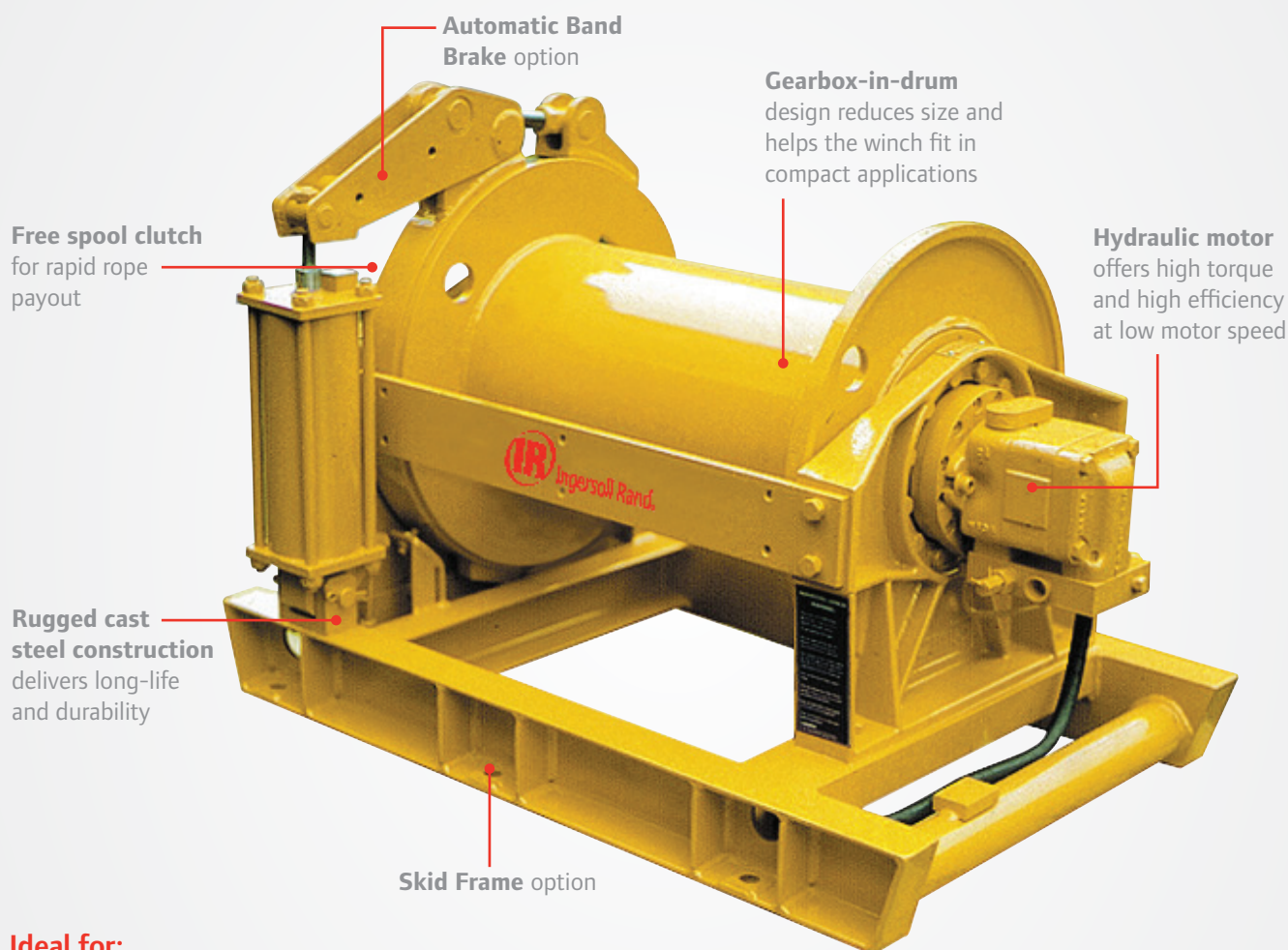
Lifting Ratings at 5:1 design factor and performance at 6.3 bar (90 psi) at air inlet when winch is operating										
Model	Line Pull Capacity			Lifting Speed at top layer	Motor Displacement	Operating Pressure	Rated Flow	Drum Capacity ⁽²⁾		Net Weight
	First Layer kg (lb)	Mid Drum kg (lb)	Top Layer 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.

Pullstar Heavy Hydraulic Winches

2,930–7,000 kg (6,440–15,430 lb)

Ingersoll Rand heavy hydraulic Pullstar winches are designed for pulling. With reliable hydraulic motors and a solid steel construction Pullstar winches are ideally suited for harsh conditions. Whatever your pulling needs, Ingersoll Rand heavy hydraulic winches are the perfect solution.



Ideal for:



Mining



Offshore



Marine

Pulling Ratings at 3.5:1 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)	
PS4000H30-L	4,000 (8,800)	3,465 (7,620)	2,930 (6,440)	20 (66)	30 (1.80)	180 (2,610)	40 (10.6)	156 (512)	13 (1/2)	210 (463)
PS4000H30GC-L	4,000 (8,800)	3,465 (7,620)	2,930 (6,440)	20 (66)	30 (1.80)	180 (2,610)	40 (10.6)	313 (1,026)	13 (1/2)	235 (518)
PS10000H75-L	10,000 (22,000)	8,300 (18,290)	7,000 (15,430)	13 (43)	75 (4.60)	220 (3,190)	75 (19.8)	219 (718)	20 (3/4)	550 (1,213)
PS10000H75GC-L	10,000 (22,000)	8,300 (18,290)	7,000 (15,430)	13 (43)	75 (4.60)	220 (3,190)	75 (19.8)	463 (1,519)	20 (3/4)	615 (1,356)

⁽¹⁾ Top layer speed is based on rated capacity.

⁽²⁾ Wire rope is tightly wound with no freeboard.

A Variety of Options



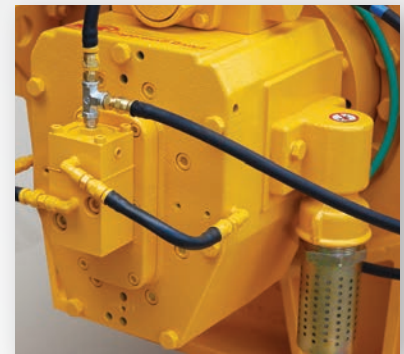
Drum guard

- 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



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