

40th ANNIVERSARY

COMEUP WINCH



Winches have been awarded the following patents

USA	USD438,358 / USD439,722 / USP.6,520,486 / 7,568,559 7,374,153 / D550,924 / D550,923 / 7,648,125
U.K.	GB2387368 / GB2410484
Germany	202005005218.3 / 202008006963.7
Russia	46251
Taiwan	M291421 / D114542 / D114185 / M293920 / M301225 M301224 / M301223 / M301879 / M305212 / M308950 M333377 / I 319063 / M344336 / M382989 / M396276 M422133 / M449152 / M472701 / M484584 / M496015 / D167992
China	ZL200520133465.0 / ZL200520145068.5 / ZL200530168030.5 ZL200530168031.X / ZL200620001857.6 / ZL200620120052.3 ZL200620120360.6 / ZL200620120361.0 / ZL200620138525.2 ZL200620137653.5 / ZL200720176267.1 / ZL200820128343.6 ZL201220610649.1 / ZL201420185370.2 / ZL201430449817.8 ZL201420717373.6 / ZL201430449816.3 / ZL201430449816.3 ZL201420185370.2 / ZL201220610649.1

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<http://www.facebook.com/COMEUP>
<http://www.comeupwinch-blazer.com/>



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40th ANNIVERSARY

COMEUP WINCH



2015-2016 PRODUCT GUIDE

Defence & Security Winch • Automotive Winch
Powersports Winch • Industrial Winch



ABOUT COMEUP

Founded in 1975 by S.J. Huang, as Chuan Phang Ent. Co. Ltd, It began the sales and manufacture of electric winches in a pioneering facility. Originally based in Taipei, Taiwan, Chuan Phang specialized in full production of a wide range of electric winches with lifting capacities of 80 - 5,000 kg throughout 1980s. Chuan Phang branding quickly became the markets leading brand.

Not only did the company keep adding new items to its product range but also took the lead in Taiwan to equip themselves with the first FMS (Flexible Manufacturing System) from Mori Seiki Japan. In 1996, the company contracted a long-standing relationship with Toyo Koken K.K. in Japan for production of “fall arrester” with arresting distance from 15, 20, 25 meters each. Continuing to innovate its product range, the CWL series winch were awarded the symbol of Excellence in Taiwan in 1998. To enlarge worldwide product distribution, in 2004 the company changed its name to COMEUP Industries Inc. and set up the first branch factory in Ningbo, China. In the same year, the company received DNV ISO9001 International Quality Certificate and also launched full production of automotive winch including self-recovery winch, utility winch and trailer winch with line pull of 1,500 - 18,000 lb.

Back in 2001, all COMEUP automotive winches had CE Marking approved. Also COMEUP filed the CBS (Cone Brake Structure) patent in U.S., U.K., Germany, Taiwan, China, etc.

During 2001 to 2005, COMEUP introduced more products to the winch market and also extended products to four main categories: Automotive, Powersports, Industrial and AC Winch. COMEUP products, providing firm lifting and pulling capabilities, have been enabling customers in various industries to perform profound operations in the construction, utility, energy and recovery markets. Meanwhile, COMEUP products are widely trusted and proven by winching professionals and have established win-win relationships with many strategic partners, such as

- Toyo Koken K.K. in Japan for baby winch and compact winch used as a service and maintenance hoist for material handling
- Furukawa Co, Ltd in Japan for heavy duty hoist
- Planeta Hebetchnik GmbH in Germany for compact winch used as a service and maintenance hoist for wind turbines.
- Miller Industries - U.S.A. hydraulic tow winch.

In 2004, having continued the rapid expansion of its strong business, COMEUP Industries opened its second branch factory in Shanghai, China to enlarge the production facilities of Powersports winch and automotive winch.

In 2009, COMEUP Powersports winch received the certification of EEC Directive 97/24/EC Chapter 8 from RDW in Netherlands. COMEUP hydraulic recovery winch also received the certification of compliance with the SAE J706 standard from TUV Rheinland, then COMEUP certified by TUV NORD according to ISO 9001:2008 in the same year.

Furthermore, COMEUP wireless remote control both received CE and FCC Marking approved in 2010. In the same year, COMEUP also announced the brands new **COMEUP** logo with "Work Tough, Play Tough" slogan to promote its product portfolio of Smart and Tough winches to customers, with continued leadership in design, innovation and quality.

In 2012, set up the USA branch office to develop America market. For the time being, COMEUP winches have been distributed in more than 60 countries throughout 5 continents. COMEUP offers consumers worldwide the most reliable, high performance winching products and is one of the world's most recognized names for “the ultimate winch solution”.



Defence & Security Winch

06

- Self-Recovery Winch
- Portable Winch
- Rock Sports Winch
- Utility Duty Winch
- Accessories

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- Powersports Winch
- Portable Winch
- Accessories

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- Hydraulic Recovery Winch
- Hydraulic Worm Gear Winch
- Electric Recovery Winch
- Heavy Duty Hoist
- Accessories

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**COMEUP
WINCH**



2007

Apr. 2007 - Magnetic North Pole
COMEUP Winch (DV-9000i) in the North Pole



2011

Dec. 2011 to Jan. 2012 - Antarctica
COMEUP Winch (Seal 9.5i) in the South Pole



2009

Nov. 2009 - Antarctica
COMEUP Winch (DS-9.5i) in the South Pole



2012

Dec. 2012 to Jan. 2013 - Antarctica
COMEUP Winch (Seal 9.5si) in the South Pole



**COMEUP
WINCH**

POLE EXPLORATION

Apr. 2010 - Iceland
COMEUP Winch (DV-9i) in the erupting volcano Eyjafjallajökull

2010



Dec. 2010 to Jan. 2011 - Antarctica
COMEUP Winch (Seal 9.5i) in the South Pole



Dec. 2013 to Jan. 2014 - Antarctica
COMEUP Winch (Seal 9.5rsi) in the South Pole

2013



Dec. 2014 to Jan. 2015 - Antarctica
COMEUP Winch (Seal 9.5rsi) in the South Pole

2014



COMEUP
WINCH

RAINFOREST CHALLENGE - RFC

A Top Ten Event in World's Toughest Motor Races



A new milestone of COMEUP winch takes part in the Rainforest Challenge (RFC) in Malaysia as well as COMEUP winch having conquered the North and South Pole. Now, COMEUP is awarded as an OFFICIAL WINCH PARTNER of the RFC in 2013.

The RFC is the tough off-road 4x4 adventures in the depths of the Malaysian jungle and was founded by Luis J.A. Wee in Nov. 1997. For the past 18 years, "Live your passion in 4x4 adventure" is the RFC tagline and now the Rainforest Challenge (RFC) is a top ten events in the world's toughest motor races.

2013

Nov. to Dec. 2013 - Malaysia
COMEUP Winch (Seal 9.5si) in the RFC



COMEUP
WINCH

2014

Nov.- Dec. 2014 - Malaysia
COMEUP Championship Winch (Blazer) in
RFC

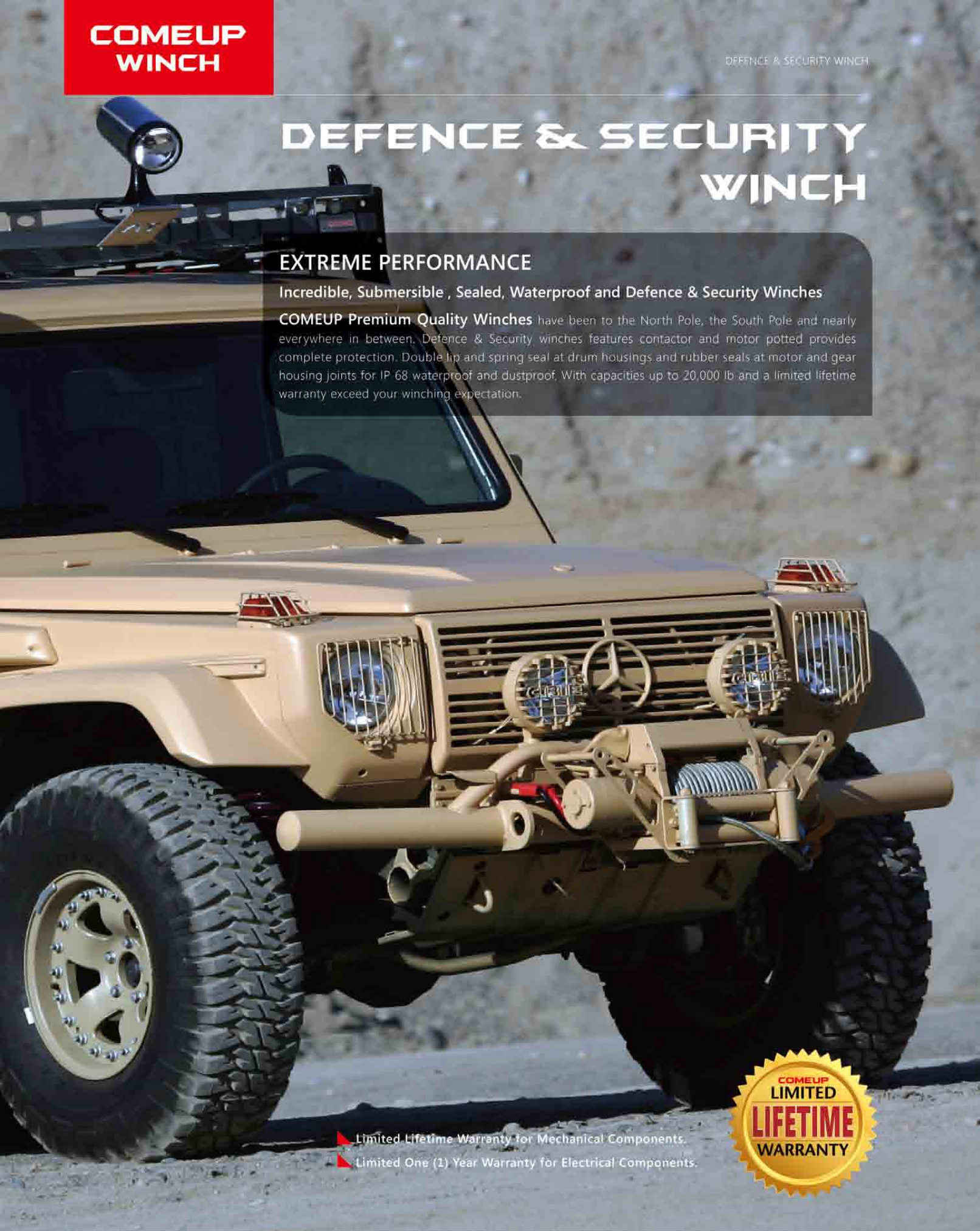


DEFENCE & SECURITY WINCH

EXTREME PERFORMANCE

Incredible, Submersible, Sealed, Waterproof and Defence & Security Winches

COMEUP Premium Quality Winches have been to the North Pole, the South Pole and nearly everywhere in between. Defence & Security winches features contactor and motor potted provides complete protection. Double lip and spring seal at drum housings and rubber seals at motor and gear housing joints for IP 68 waterproof and dustproof. With capacities up to 20,000 lb and a limited lifetime warranty exceed your winching expectation.



- ▶ Limited Lifetime Warranty for Mechanical Components.
- ▶ Limited One (1) Year Warranty for Electrical Components.



WALRUS SERIES

16,500 - 20,000 lb pulling capacities



- 1 Full Sealed Contactor & Motor**
Potted contactor and motor provide complete protection from water penetration and allow dependable operation in up to 1.8 meter of water.
- 2 Military Connector**
Industrial duty remote control with twist-on connector to provide total protection from water.
- 3 Aluminum Alloy Housings**
Tough aluminum alloy die cast housings withstand strength of 2 times winch line pull at least.
- 4 Double Lip and Spring Seal at Drum Housings**
Rubber seals at motor and gear housing joints for independent water protection.
- 5 Rapid Wire Rope Payout & Clutch Reposition**
An ergonomic T-handle positively engages the free spool clutch through multiple evenly spaced locking holes. 4 equally positioned pin holes ensure seamless clutch transmission and make it easily rotated by 90 degree increments to ease accessibility in various winch mounting positions.
- 6 Hardened Steel 3-stage Planetary Gear Train**
Rugged and quiet planetary gears for maximum mechanical efficiency.
- 7 Automatic, Full Load Cone Brake Structure (CBS)**
U.S. Germany, U.K. France, etc patented mechanical cone brake mounted outside the drum expedites heat dispersion and holds the full load without slippage.
- 8 Standard Accessories**
Comes with cable tensioner and roller fairlead as standard.
- 9 Protective Thermal Sensor LED**
Waterproof remote control with thermometric LED indicator alerts when receiving a warning signal from the motor overheated.



Qualified IP 68 (Ingress Protection Rating)

- Walrus winches comply with the requirement and acceptance condition of IEC 60529 Edition 2.1:2001 Ingress of protection provided by Enclosure—IP68.
- Meet international standards of CE Machinery Directive 2006/42/EC, CE Electromagnetic Compatibility Directive 2004/108/EC, and SAE J706 surface vehicle standard 2003-08 rev.

Walrus 20.0 Defence & Security Winch



Note: Roller fairlead does not mount to winch

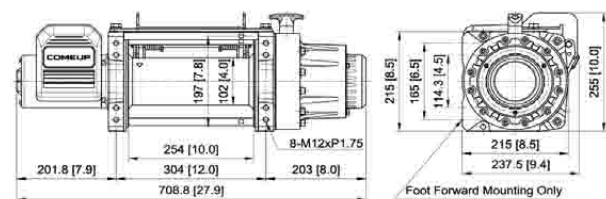
PN 282020 (24V)



SPECIFICATIONS :

- **Rated line pull** : 9,072 kg (20,000 lb) single line
- **Motor** : 4,474 w / 6.0 hp 24V series wound w/thermal protection switch
- **Gear ratio** : 3-stage planetary 343:1
- **Clutch (freespooling)** : Rotating ring gear
- **Brake (outside the drum)** : Automatic, full load CBS (Cone Brake Structure)
- **Winch construction** : Aluminum die cast housings with steel drum
- **Drum size** : 102 mm x 254 mm (4" x 10")
- **Control box** : Industrial contactor is potted with epoxy resin compound
- **Control** : Waterproof remote with thermometric indicator LED w/5 m (17') cord
- **Rope type** : 6×29 -IWRC
- **Rope size** : 12.7 mm x 25 m (1/2" x 82')
- **Degree of protection** : Comply with IEC 60529 Edition 2.1:2001 IP68 rating
- **Recommended battery** : 650 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 2 gauge battery lead
- **Mounting bolts pattern** :
304 mm x 114.3 mm (12" x 4.5")
304 mm x 165 mm (12" x 6.5")
- **Mounting** : Foot forward mounting only
- **Winch weight (including rope)** : 80 kg / 176.4 lb
- **Gross weight** : 86.1 kg / 189.8 lb
- **Box dimension** : 740 x 270 x 405 mm (29.1" x 10.6" x 15.9")

DIMENSION mm/in :



PERFORMANCE DATA :

Line Pull and Rope Capacity

Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	9,070 / 20,000	7.0 / 23.0
2 nd	7,426 / 16,372	15.5 / 50.9
3 rd	6,287 / 13,860	25.0 / 82.0

Line Speed and Amp. Draw
(1st layer of wire rope on the drum)

Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A 24V
No Load	7.0 / 23.0	45
1,814 / 4,000	3.8 / 12.5	90
3,629 / 8,000	3.1 / 10.2	120
4,536 / 10,000	2.7 / 8.9	160
7,484 / 16,500	1.4 / 4.6	260
9,072 / 20,000	1.2 / 3.9	310

Walrus 16.5 Defence & Security Winch



Note: Roller fairlead does not mount to winch

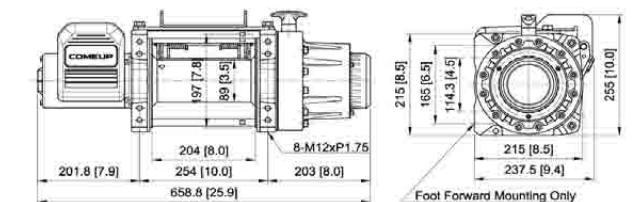
PN 281610 (12V) | PN 281620 (24V)



SPECIFICATIONS :

- **Rated line pull** : 7,484 kg (16,500 lb) single line
- **Motor** :
4,325 w / 5.8 hp 12V series wound w/thermal protection switch
2,834 w / 3.8 hp 24V series wound w/thermal protection switch
- **Gear ratio** : 3-stage planetary 343:1
- **Clutch (freespooling)** : Rotating ring gear
- **Brake (outside the drum)** : Automatic, full load CBS (Cone Brake Structure)
- **Winch construction** : Aluminum die cast housings with steel drum
- **Drum size** : 89 mm x 204 mm (3.5" x 8")
- **Control box** : Industrial contactor is potted with epoxy resin compound
- **Control** : Waterproof remote with thermometric indicator LED w/5 m (17') cord
- **Rope type** : 6×29 -IWRC
- **Rope size** : 11.1 mm x 27 m (7/16" x 89')
- **Degree of protection** : Comply with IEC 60529 Edition 2.1:2001 IP68 rating
- **Recommended battery** : 650 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 2 gauge battery lead
- **Mounting bolts pattern** :
254 mm x 114.3 mm (10" x 4.5")
254 mm x 165 mm (10" x 6.5")
- **Mounting** : Foot forward mounting only
- **Winch weight (including rope)** : 72 kg / 158.7 lb
- **Gross weight** : 78 kg / 172 lb
- **Box dimension** : 690 x 270 x 405 mm (27.2" x 10.6" x 15.9")

DIMENSION mm/in :



PERFORMANCE DATA :

Line Pull and Rope Capacity

Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	7,484 / 16,500	5.6 / 18.4
2 nd	6,125 / 13,503	12.4 / 40.7
3 rd	5,184 / 11,429	20.4 / 66.9
4 th	4,494 / 9,908	27 / 89

Line Speed and Amp. Draw
(1st layer of wire rope on the drum)

Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A 12V	Amp. Draw, A 24V
No Load	6.4 / 21.0	50	40
1,814 / 4,000	3.6 / 11.8	130	115
3,629 / 8,000	2.7 / 8.9	200	180
4,536 / 10,000	2.1 / 6.9	250	225
7,484 / 16,500	1.5 / 4.9	370	340

AUTOMOTIVE WINCH



COMEUP winches are equipped with a heavy duty motor that delivers superior torque output and faster line speed for severe duty, self-recovery or utility duty Automotive applications. The Automotive winches come with U.S., Germany, U.K., France, etc patented automatic CBS (Cone Brake Structure) that completely holds in full load and is easily maintained. Explore and experience the quality of COMEUP automotive winches that are the best solution for 4x4 Trucks and SUVs. They give you power whenever and wherever you need it!

- ▶ Limited Lifetime Warranty for Mechanical Components.
- ▶ Limited One (1) Year Warranty for Electrical Components.

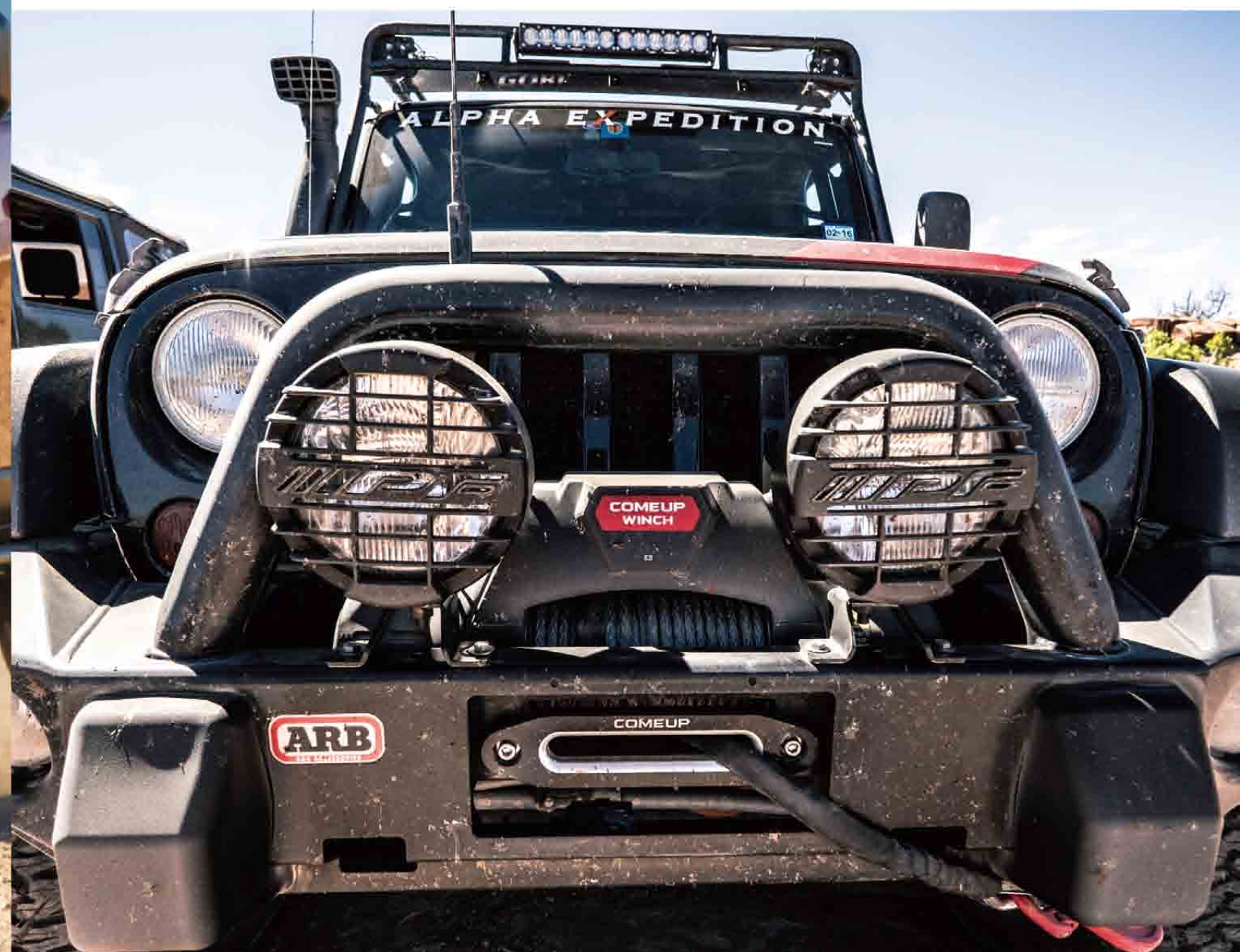


COMEUP **SELF-RECOVERY WINCHES** provide the maximum line pull capacity from 6,000 to 18,000 lb respectively and all are equipped with the strongest power for safe effective winching for working or playing in off-road environments. The 3-stage planetary gearbox delivers reliable and durable performance of the winch under the most rugged conditions. The U.S., Germany, U.K., France, etc patented automatic CBS (Cone Brake Structure) holds firmly in full load and provides easy maintenance. The greater the load on the rope, the greater amount of brake that is applied by the mechanism. Rotating ring gear clutch is a pull and turn design for rapid rope payout.

- ▶ Seal Gen2 Series 9,500 ~ 12,500 lb
- ▶ DV Series 6,000 ~ 18,000 lb

- All sealed high performance motor supplies superior torque output and faster line speed.
- 3-stage planetary gearbox delivers the most reliable and durable performance of winch under the rugged conditions.
- Heavy duty sealed contactor ensures sound waterproof protection.
- An ergonomic T-handle positively engages the free spool clutch through multiple evenly spaced locking holes for rapid rope payout. The entire clutch can be rotated to reposition the "T" handle in multiple locations, to ease accessibility in various winch mounting positions.
- Protective thermal sensor LED.
- Specific design of brake (CBS) outside the drum are ideally suited to heat-sensitive synthetic rope.
- Standard Compliance: SAE J706, CE Machinery Directive 2006/42/EC and CE Electromagnetic Compatibility Directive 2004/108/EC

SELF-RECOVERY WINCH



INCREDIBLE SEALED

Powerful, Durable, Reliable and Ultimate performance

COMEUP latest generations of Seal Gen2 self-recovery winches rated from 12,500 ~ 9,000 lb line-pulling capacities incorporate totally innovative technology covering nine models: ratings of 12,500 lb for Seal Gen2 12.5 w/wire rope, Seal Gen2 12.5s w/synthetic rope, Seal Gen2 12.5rs with synthetic rope & wireless remote control module and of 9,500 lb for Seal Gen2 9.5 and 9.5i w/wire rope, Seal Gen2 9.5s and 9.5si w/synthetic rope, Seal Gen2 9.5rs and 9.5rsi with synthetic rope & wireless remote control module.

With the Taiwan (M 484584), China (ZL 2014 2 0185370.2) and USA (pending) Patented design, Intelligence Dashboard (IDB) technology built-in the Seal Gen2 9.5i/9.5si/9.5rsi display the battery condition of your vehicle, cable IN/OUT direction indicator and thermal protection. The IDB is a cutting-edge technology innovation, furthermore the Seal Gen2 9.5rsi also provides the blue wireless signal icon confirming the wireless remote being paired with the winch.

The "Seal Gen2" designations represent matte black powder-coated finish on the surfaces as well as aluminum alloy die cast tie bar for better corrosion and erosion resistance adds strength and durable. It comes with fully sealed transmission systems on the motor and drum housings with extreme-duty water resistance. Automatic full load Cone Brake Structure (CBS) equipped outside the drum allows rapid heat dispersion and is ideally suited to heat-sensitive synthetic rope. The greater the load on the rope, the great amount of brake that is applied by the mechanism. The built-in waterproof wireless remote control modules for Seal Gen2 12.5rs, 9.5rsi and 9.5rs has been officially certified by FCC & CE.

Meet SAE J706, CE Machinery Directive 2006/42/EC and CE Electromagnetic Compatibility Directive 2004/108/EC.



Seal Gen2 Series Winch

- ▶ Limited Lifetime Warranty for Mechanical Components.
- ▶ Limited Three (3) years Warranty for Electrical Components.



SEAL GEN2 SERIES

9,500 ~ 12,500 lb pulling capacities



1 Submersible Sealed Contactor

The heavy-duty sealed contactor with silver-alloy contact pads, thick copper buss bars and submersible construction ensures weather resistance. It handles high amps and allows higher duty cycle. The industrial grade contactor is durable, reliable, and high performance.

2 Safety Warning Notice

The built-in waterproof receiver in the control box is equipped with a beeping buzzer and bright LED's to indicate motor overheating. (Only Seal Gen2 9.5rs/ 9.5rsi/12.5rs)

3 Matte black powder-coated finish

Matte black powder-coated finish on the surfaces allow a deep color expression while also hides the inherent flaws.

4 Extreme-duty Seals

Extreme-duty water resistance seals on the motor and gearbox housing joints.

5 All Sealed High Performance Motor

Heavy duty series wound motor delivers superior torque output and faster line speed. A built-in thermal detector automatically sends a warning signal to the "Remote Control" when motor is over-heated.

6 Hardened Steel 3-stage Planetary Gear Train

Rugged and quiet planetary gears for maximum mechanical efficiency.

7 Automatic, Full Load Cone Brake Structure (CBS)

The U.S. Germany, U.K. France, etc patented brake system automatically endures full load without slipping. With CBS, the greater the load on the rope, the greater amount of braking is generated by the mechanism. Furthermore, the braking mechanism mounted outside the drum rather than inside the drum expedites heat dispersion and also makes this winch ideal for use with synthetic rope.

8 Rapid Rope Payout & Clutch Reposition

An ergonomic T-handle positively engages the free spool clutch through multiple evenly spaced locking holes. The entire clutch can be rotated to reposition the "T" handle in multiple locations, to ease accessibility in various winch mounting positions.

9 Protective Thermal Sensor

The industrial grade waterproof remote control comes with a thermometric LED indicator on the hand-held switch that automatically alerts when receiving a warning signal from the motor over-heated.

10 Ergonomic Tie Bar

Ergonomic matte black powder-coated aluminum alloy die cast tie bar for better corrosion and erosion resistance.

11 Rope Options

Available with either wire rope or lightweight, high strength and no water absorption Dyneema® SK-75 synthetic rope. Both ropes are equipped with a safety sling hook.

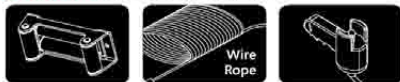


Seal Gen2 12.5 Self-Recovery Winch



Note: Roller fairlead does not mount to winch

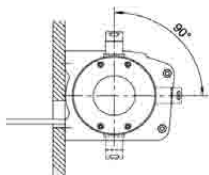
PN 295730 (12V) Seal Gen2 12.5



SPECIFICATIONS : (Seal Gen2 12.5/12.5s/12.5rs)

- **Rated line pull** : 5,670 kg (12,500 lb) single line
- **Motor** : 3,730 w / 5.0 hp 12V series wound w/thermal protection switch
- **Gear ratio** : 3-stage planetary 225:1
- **Clutch (freespooling)** : Rotating ring gear
- **Brake (outside the drum)** : Automatic, full load CBS (Cone Brake Structure)
- **Winch construction** : Aluminum die cast housings with steel drum
- **Drum size** : 63.5 x 227 mm (2.5" x 8.9")
- **Control** :
 - Seal Gen2 12.5 / 12.5s** : Waterproof remote with thermometric indicator LED w/5 m (17') cord
 - Seal Gen2 12.5rs** : Both built-in digital signal two ways wireless remote control and waterproof remote with thermometric indicator LED w/5 m (17') cord
- **Rope type** :
 - Seal Gen2 12.5** : Galvanized aircraft A7 X 19 wire rope
 - Seal Gen2 12.5s / 12.5rs** : Synthetic rope SK-75
- **Rope size** :
 - Seal Gen2 12.5** : 9.5 mm x 25 m (3/8" x 82')
 - Seal Gen2 12.5s / 12.5rs** : 11 mm x 25 m (7/16" x 82')
- **Recommended battery** : 650 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 2 gauge battery lead
- **Mounting bolts pattern** : 254 x 114 mm (10.0" x 4.5")
- **Mounting** : Foot forward mounting only
- **Winch weight (including rope)** :
 - Seal Gen2 12.5** : 34.5 kg / 76 lb
 - Seal Gen2 12.5s / 12.5rs** : 28 kg / 61.7 lb
- **Gross weight** :
 - Seal Gen2 12.5** : 48.5 kg / 107 lb
 - Seal Gen2 12.5s / 12.5rs** : 40.5 kg / 89.1 lb
- **Box dimension** : 682 x 209 x 430 mm (26.8" x 8.2" x 16.9")

4 equally positioned pin holes ensure seamless clutch transmission and make it easily rotate by 90° increments. (Seal Gen2 12.5/12.5s/12.5rs)



Seal Gen2 12.5rs / 12.5s Self-Recovery Winch



Note: Hawse fairlead does not mount to winch

PN 295780 (12V) Seal Gen2 12.5rs



PN 295750 (12V) Seal Gen2 12.5s



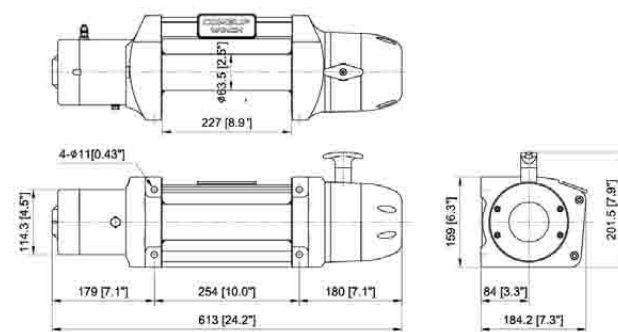
PERFORMANCE DATA : (Seal Gen2 12.5/12.5s/12.5rs)

Line Pull and Rope Capacity			
Layer of Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	
		Seal Gen2 12.5	Seal Gen2 12.5s/12.5rs
1 st	5,670 / 12,500	5.4 / 17.7	4.8 / 15.7
2 nd	4,499 / 9,919	12.1 / 39.7	10.9 / 35.7
3 rd	3,729 / 8,221	20.3 / 66.6	18.5 / 60.7
4 th	3,184 / 7,020	25.0 / 82.0	25.0 / 82.0

Line Speed and Amp. Draw (1st layer of rope on the drum)

Line Pull kg / lb	Line Speed, mpm / fpm		Amp. Draw, A 12V
	Seal Gen2 12.5	Seal Gen2 12.5s/12.5rs	
No Load	7.5 / 24.6	7.7 / 25.3	45
907 / 2,000	3.4 / 11.2	3.4 / 11.2	75
1,814 / 4,000	2.5 / 8.2	2.5 / 8.2	160
2,722 / 6,000	2.0 / 6.6	2.0 / 6.6	230
3,629 / 8,000	1.6 / 5.2	1.7 / 5.6	300
5,670 / 12,500	0.9 / 3.0	0.9 / 3.0	470

DIMENSION mm/in : (Seal Gen2 12.5/12.5s/12.5rs)

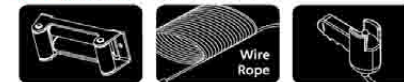


Seal Gen2 9.5 Self-Recovery Winch



Note: Roller fairlead does not mount to winch

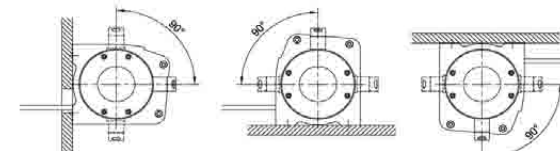
PN 295950 (12V) Seal Gen2 9.5



SPECIFICATIONS : (Seal Gen2 9.5/9.5s/9.5rs)

- **Rated line pull** : 4,309 kg (9,500 lb) single line
- **Motor** : 3,730 w / 5.0 hp 12V series wound w/thermal protection switch
- **Gear ratio** : 3-stage planetary 159:1
- **Clutch (freespooling)** : Rotating ring gear
- **Brake (outside the drum)** : Automatic, full load CBS (Cone Brake Structure)
- **Winch construction** : Aluminum die cast housings with steel drum
- **Drum size** : 63.5 x 227 mm (2.5" x 8.9")
- **Control** :
 - Seal Gen2 9.5/9.5s** : Waterproof remote with thermometric indicator LED w/5 m (17') cord
 - Seal Gen2 9.5rs** : Both built-in digital signal two ways wireless remote control and waterproof remote with thermometric indicator LED w/5 m (17') cord
- **Rope type** :
 - Seal Gen2 9.5** : Galvanized aircraft A7 X 19 wire rope
 - Seal Gen2 9.5s/9.5rs** : Synthetic rope SK-75
- **Rope size** :
 - Seal Gen2 9.5** : 8.7 mm x 30.5 m (11/32" x 100')
 - Seal Gen2 9.5s/9.5rs** : 10 mm x 30.5 m (3/8" x 100')
- **Recommended battery** : 650 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 2 gauge battery lead
- **Mounting bolts pattern** : 254 x 114 mm (10" x 4.5")
- **Winch weight (including rope)** :
 - Seal Gen2 9.5** : 34.5 kg / 76 lb
 - Seal Gen2 9.5s / 9.5rs** : 28 kg / 61.7 lb
- **Gross weight** :
 - Seal Gen2 9.5** : 48.5 kg / 107 lb
 - Seal Gen2 9.5s/9.5rs** : 40.5 kg / 89.1 lb
- **Box dimension** : 682 x 209 x 430 mm (26.8" x 8.2" x 16.9")

4 equally positioned pin holes ensure seamless clutch transmission and make it easily rotate by 90° increments. (Seal Gen2 9.5/9.5s/9.5rs)



Seal Gen2 9.5rs / 9.5s Self-Recovery Winch

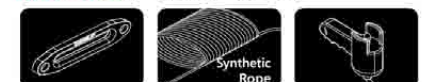


Note: Hawse fairlead does not mount to winch

PN 295850 (12V) Seal Gen2 9.5rs



PN 295990 (12V) Seal Gen2 9.5s



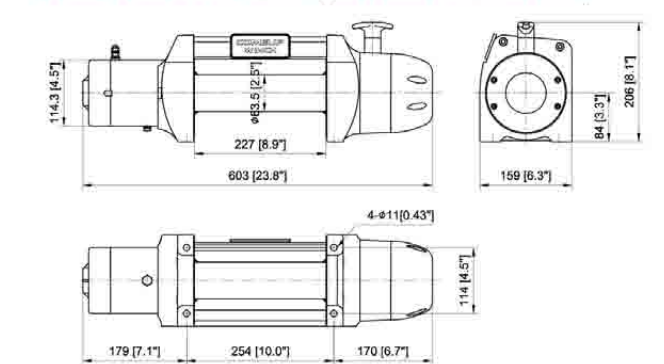
PERFORMANCE DATA : (Seal Gen2 9.5/9.5s/9.5rs)

Line Pull and Rope Capacity			
Layer of Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	
		Seal Gen2 9.5	Seal Gen2 9.5s/9.5rs
1 st	4,309 / 9,500	5.8 / 19.1	5.1 / 16.7
2 nd	3,472 / 7,655	13.1 / 42.9	11.7 / 38.4
3 rd	2,908 / 6,410	21.7 / 71.2	19.7 / 64.6
4 th	2,501 / 5,514	30.5 / 100	30.5 / 100

Line Speed and Amp. Draw (1st layer of rope on the drum)

Line Pull kg / lb	Line Speed, mpm / fpm		Amp. Draw, A 12V
	Seal Gen2 9.5	Seal Gen2 9.5s/9.5rs	
No Load	14.5 / 47.6	14.8 / 48.6	60
907 / 2,000	4.7 / 15.2	4.8 / 15.7	115
1,814 / 4,000	3.5 / 11.5	3.6 / 11.8	210
2,722 / 6,000	2.8 / 9.2	2.8 / 9.2	245
3,629 / 8,000	2.3 / 7.6	2.3 / 7.6	280
4,309 / 9,500	2.1 / 6.8	2.2 / 7.2	380

DIMENSION mm/in : (Seal Gen2 9.5/9.5s/9.5rs)

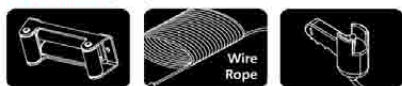


Seal Gen2 9.5i Self-Recovery Winch



Note: Roller fairlead does not mount to winch

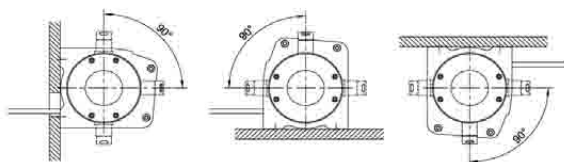
PN 295980 (12V) Seal Gen2 9.5i



SPECIFICATIONS : (Seal Gen2 9.5i/9.5si/9.5rsi)

- **Rated line pull** : 4,309 kg (9,500 lb) single line
- **Motor** : 3,730 w / 5.0 hp 12V series wound w/thermal protection switch
- **Gear ratio** : 3-stage planetary 159:1
- **Clutch (freespooling)** : Rotating ring gear
- **Brake (outside the drum)** : Automatic, full load CBS (Cone Brake Structure)
- **Winch construction** : Aluminum die cast housings with steel drum
- **Drum size** : 63.5 x 227 mm (2.5" x 8.9")
- **Control** :
 - Seal Gen2 9.5i/9.5si : Waterproof remote with thermometric indicator LED w/5 m (17') cord
 - Seal Gen2 9.5rsi : Both built-in digital signal two ways wireless remote control and waterproof remote with thermometric indicator LED w/5 m (17') cord
- **Rope type** :
 - Seal Gen2 9.5i : Galvanized aircraft A7 X 19 wire rope
 - Seal Gen2 9.5si/9.5rsi : Synthetic rope SK-75
- **Rope size** :
 - Seal Gen2 9.5i : 8.7 mm x 30.5 m (11/32" x 100')
 - Seal Gen2 9.5si/9.5rsi : 10 mm x 30.5 m (3/8" x 100')
- **Recommended battery** : 650 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 2 gauge battery lead
- **Mounting bolts pattern** : 254 x 114 mm (10" x 4.5")
- **Winch weight (including rope)** :
 - Seal Gen2 9.5i : 38.5 kg / 85 lb
 - Seal Gen2 9.5si/9.5rsi : 32 kg / 70.5 lb
- **Gross weight** :
 - Seal Gen2 9.5i : 52.5 kg / 116 lb
 - Seal Gen2 9.5si/9.5rsi : 44.5 kg / 97.9 lb
- **Box dimension** : 682 x 209 x 430 mm (26.8" x 8.2" x 16.9")

- 4 equally positioned pin holes ensure seamless clutch transmission and make it easily rotate by 90° Increments. (Seal Gen2 9.5i/9.5si/9.5rsi)

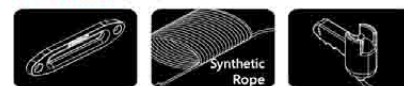


Seal Gen2 9.5si Self-Recovery Winch



Note: Hawse fairlead does not mount to winch

PN 295880 (12V) Seal Gen2 9.5si



PERFORMANCE DATA : (Seal Gen2 9.5i/9.5si/9.5rsi)

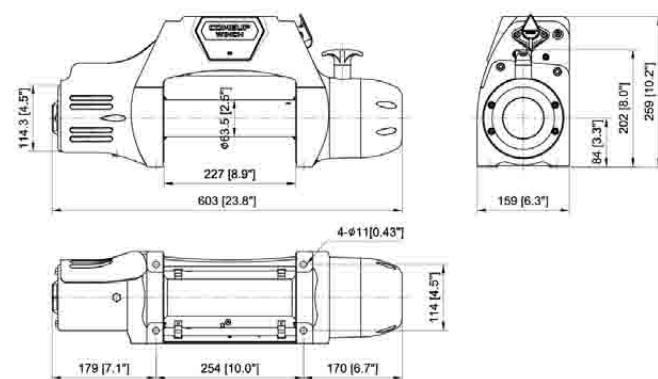
Line Pull and Rope Capacity

Layer of Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	
		Seal Gen2 9.5i	Seal Gen2 9.5si/9.5rsi
1 st	4,309 / 9,500	5.8 / 19.1	5.1 / 16.7
2 nd	3,472 / 7,655	13.1 / 42.9	11.7 / 38.4
3 rd	2,908 / 6,410	21.7 / 71.2	19.7 / 64.6
4 th	2,501 / 5,514	30.5 / 100	30.5 / 100

Line Speed and Amp. Draw (1st layer of rope on the drum.)

Line Pull kg / lb	Line Speed, mpm / fpm		Amp. Draw, A 12V
	Seal Gen2 9.5i	Seal Gen2 9.5si/9.5rsi	
No Load	14.5 / 47.6	14.8 / 48.6	60
907 / 2,000	4.7 / 15.2	4.8 / 15.7	115
1,814 / 4,000	3.5 / 11.5	3.6 / 11.8	210
2,722 / 6,000	2.8 / 9.2	2.8 / 9.2	245
3,629 / 8,000	2.3 / 7.6	2.3 / 7.6	280
4,309 / 9,500	2.1 / 6.8	2.2 / 7.2	380

DIMENSION mm/in : (Seal Gen2 9.5i/9.5si/9.5rsi)



Seal Gen2 9.5rsi Self-Recovery Winch



Note: Hawse fairlead does not mount to winch

PN 295860 (12V) Seal Gen2 9.5rsi



▶ New functions of the bridge control box

Cutout Switch

- The Seal Gen2 9.5i/9.5si models include a cutout switch to activate or deactivate the winch.
- The cutout switch on the Seal Gen2 9.5rsi model also deactivate the wireless receiver to prevent parasitic draw

Intelligence Dashboard (IDB) - Included On Seal Gen2 9.5i /9.5si/9.5rsi Models



Vehicle Battery Life

The Intelligence Dashboard (IDB) displays the battery condition of your vehicle.



Wireless Remote Control Icon - Seal Gen2 9.5rsi Only



Wireless Signal Icon

The Intelligence Dashboard (IDB) includes a blue wireless signal icon that is continuously illuminated to confirm the wireless remote is paired with the winch.

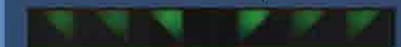


Wireless Signal Strength

The solid green LED on the wireless transmitter indicates good signal strength, but a flashing red LED indicates a weak signal.

Cable IN/OUT Direction Indicators

The green triangle icons on the Intelligence Dashboard (IDB) will light sequentially to indicate the rope winding direction. The green triangles will turn to red triangles if the motor is over-heating.



Thermal Protection



Temperature Warning

The flashing red temperature icon on the Intelligence Dashboard (IDB) indicates the motor is over-heating.



Handheld Remote Warning

The two green LED indicators on the wired remote control will change to red if the motor is over-heating.



Buzzer Warning

The Seal Gen2 9.5rs/9.5rsi/12.5rs models include an audible buzzer alarm that alerts if the motor is over-heating.

Color Box For Seal Gen2 Series





DV SERIES

6,000 - 18,000 lb pulling capacities

- 1 Submersible Sealed Contactor**
The heavy-duty sealed contactor with silver-alloy contact pads, thick copper buss bars and submersible construction ensures weather resistant. It handles high amps and allows higher duty cycle. The industrial grade contactor is durable, reliable, and high performance.
- 2 Extreme Durable Motor**
Heavy duty series wound motor delivers superior torque output and faster line speed.
- 3 Aluminum Alloy Housings**
Tough aluminum alloy die cast housings withstand strength of 2 times winch line pull at least.
- 4 Hardened Steel 3-stage Planetary Gear Train**
Rugged and quiet planetary gears for maximum mechanical.
- 5 Rapid Rope Payout & Clutch Reposition**
An ergonomic T-handle positively engages the free spool clutch through multiple evenly spaced locking holes. The entire clutch can be rotated to reposition the "T" handle in multiple locations, to ease accessibility in various winch mounting positions.

- 6 Automatic, Full Load Cone Brake Structure (CBS)**
The U.S. Germany, U.K. France, etc patented brake system automatically endures full load without slipping. With CBS, the greater the load on the rope, the greater amount of braking is generated by the mechanism. Furthermore, the braking mechanism mounted outside the drum rather than inside the drum expedites heat dispersion and also makes this winch ideal for use with synthetic rope.
- 7 Protective Thermal Sensor LED**
The industrial grade waterproof remote control comes with a thermometric LED indicator on the hand-held switch that automatically alerts when receiving a warning signal from the motor over-heated.



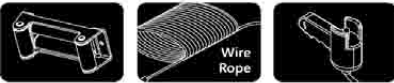


DV-18 Self-Recovery Winch



Note: Roller fairlead does not mount to winch

PN 851823 (12V) | PN 851824 (24V)



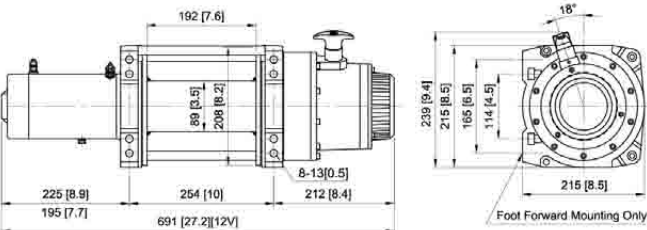
SPECIFICATIONS :

- **Rated line pull** : 8,181 kg (18,000 lb) single line
- **Motor** : 5,220 w / 7.0 hp 12V series wound w/thermal protection switch
4,474 w / 6.0 hp 24V series wound w/thermal protection switch
- **Gear ratio** : 3-stage planetary 315:1
- **Clutch (freespooling)** : Rotating ring gear
- **Brake (outside the drum)** :
Automatic, full load CBS (Cone Brake Structure)
- **Winch construction** : Aluminum die cast housings with steel drum
- **Drum size** : 89 x 192 mm (3.5" x 7.6")
- **Control** : Waterproof remote with thermometric indicator LED w/ 5 m (17') cord
- **Rope type** : 6 x 29 - IWRC
- **Rope size** : 12.7 mm x 25 m (1/2" x 82')
- **Recommended battery** : 650 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 2 gauge battery lead
- **Mounting bolts pattern** :
254 x 114 mm (10" x 4.5")
254 x 165 mm (10" x 6.5")
- **Mounting** : Foot forward mounting only
- **Winch weight (including rope)** : 59 kg / 130 lb
- **Gross weight** : 71 kg / 156.5 lb
- **Box dimension** : 695 x 265 x 420 mm (27.3" x 10.4" x 16.5")

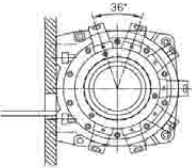
Color Box for DV-18/15/12



DIMENSION mm/in



10 equally positioned pin holes ensure seamless clutch transmission and make it easily rotate by 36° Increments.



PERFORMANCE DATA :

Line Pull and Rope Capacity

Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	8,181 / 18,000	4.7 / 15.4
2 nd	6,546 / 14,431	10.5 / 34.4
3 rd	5,456 / 12,028	17.5 / 57.4
4 th	4,677 / 10,311	25.0 / 82.0

Line Speed and Amp. Draw
(1st layer of wire rope on the drum)

Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A 12V	Amp. Draw, A 24V
No Load	8.6 / 28.2	35	40
1,814 / 4,000	4.0 / 13.1	115	70
3,630 / 8,000	3.6 / 12.0	200	140
4,535 / 10,000	3.2 / 10.6	230	180
5,443 / 12,000	2.8 / 9.3	260	210
6,804 / 15,000	2.3 / 7.5	320	260
8,181 / 18,000	1.0 / 3.3	350	320

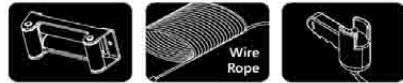


DV-15 Self-Recovery Winch



Note: Roller fairlead does not mount to winch

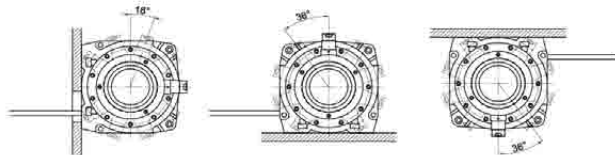
PN 857326 (12V) | PN 857433 (24V)



SPECIFICATIONS :

- **Rated line pull** : 6,804 kg (15,000 lb) single line
- **Motor** :
4,180 w / 5.6 hp 12V series wound w/thermal protection switch
2,690 w / 3.6 hp 24V series wound w/thermal protection switch
- **Gear ratio** : 3-stage planetary 315:1
- **Clutch (freespooling)** : Rotating ring gear
- **Brake (outside the drum)** :
Automatic, full load CBS (Cone Brake Structure)
- **Winch construction** :
Aluminum die cast housings with steel drum
- **Drum size** : 89 x 206 mm (3.5" x 8.1")
- **Control** : Waterproof remote with thermometric indicator LED
w/5 m (17') cord
- **Ropetype** : 6X29 -IWRC
- **Rope size** : 11.1 mm x 27 m (7/16" x 89')
- **Recommended battery** : 650 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 2 gauge battery lead
- **Mounting bolts pattern** :
254 mm x 114 mm (10" x 4.5")
254 mm x 165 mm (10" x 6.5")
- **Winch weight (including rope)** : 57 kg / 125.4 lb
- **Gross weight** : 69 kg / 152 lb
- **Box dimension** : 695 x 265 x 420 mm (27.3" x 10.4" x 16.5")

- ▶ 10 equally positioned pin holes ensure seamless clutch transmission and make it easily rotate by 36° Increments. (DV-15/12)



PERFORMANCE DATA : (DV-15)

Line Pull and Rope Capacity			
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	
1 st	6,804 / 15,000	5.7 / 18.6	
2 nd	5,569 / 12,277	12.6 / 41.4	
3 rd	4,713 / 10,391	20.8 / 68.3	
4 th	4,086 / 9,007	27 / 89	

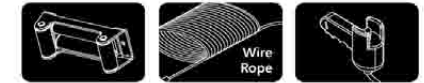
Line Speed and Amp. Draw (1 st layer of wire rope on the drum)			
Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A 12V 24V	
No Load	6.9 / 22.0	60	50
1,814 / 4,000	1.6 / 5.4	180	80
3,629 / 8,000	1.2 / 3.8	280	190
4,536 / 10,000	1.0 / 3.3	330	220
5,443 / 12,000	0.9 / 2.9	385	260
6,804 / 15,000	0.8 / 2.5	460	340

DV-12 Self-Recovery Winch



Note: Roller fairlead does not mount to winch

PN 857130 (12V) | PN 857228 (24V)



SPECIFICATIONS :

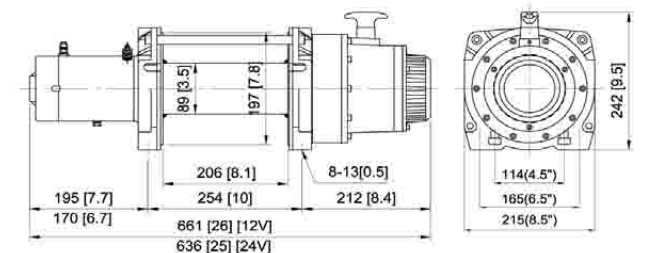
- **Rated line pull** : 5,443 kg (12,000 lb) single line
- **Motor** :
4,180 w / 5.6 hp 12V series wound w/thermal protection switch
2,690 w / 3.6 hp 24V series wound w/thermal protection switch
- **Gear ratio** : 3-stage planetary 261:1
- **Clutch (freespooling)** : Rotating ring gear
- **Brake (outside the drum)** :
Automatic, full load CBS (Cone Brake Structure)
- **Winch construction** :
Aluminum die cast housings with steel drum
- **Drum size** : 89 x 206 mm (3.5" x 8.1")
- **Control** : Waterproof remote with thermometric indicator LED w/5 m (17') cord
- **Rope type** : Galvanized aircraft A7 x 19
- **Rope size** : 9.5 mm x 38 m (3/8" x 125')
- **Recommended battery** : 650 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 2 gauge battery lead
- **Mounting bolts pattern** :
254 mm x 114 mm (10" x 4.5")
254 mm x 165 mm (10" x 6.5")
- **Winch weight (including rope)** : 55 kg / 121 lb
- **Gross weight** : 67 kg / 147.7 lb
- **Box dimension** : 695 x 265 x 420 mm (27.3" x 10.4" x 16.5")

PERFORMANCE DATA : (DV-12)

Line Pull and Rope Capacity			
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	
1 st	5,443 / 12,000	6.6 / 21.5	
2 nd	4,563 / 10,060	14.4 / 47.2	
3 rd	3,928 / 8,659	23.5 / 77	
4 th	3,448 / 7,601	33.8 / 110.9	
5 th	3,072 / 6,774	38 / 125	

Line Speed and Amp. Draw (1 st layer of wire rope on the drum)			
Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A 12V 24V	
No Load	8.3 / 27	60	50
1,814 / 4,000	2.6 / 8.6	200	100
3,629 / 8,000	1.7 / 5.8	310	190
4,536 / 10,000	1.4 / 4.4	370	230
5,443 / 12,000	1.2 / 4.0	440	290

DIMENSION mm/in : (DV-15/12)

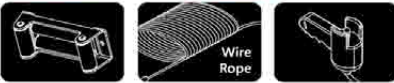


DV-12 light Self-Recovery Winch



Note: Roller fairlead does not mount to winch

PN 850012 (12V) | PN 850124 (24V)



SPECIFICATIONS : (DV-12 light/12s light)

- **Rated line pull** : 5,443 kg (12,000 lb) single line
- **Motor** :
3,430 w / 4.6 hp 12V series wound w/thermal protection switch
1,940 w / 2.6 hp 24V series wound w/thermal protection switch
- **Gear ratio** : 3-stage planetary 211:1
- **Clutch (freespooling)** : Rotating ring gear
- **Brake (outside the drum)** : Automatic, full load CBS (Cone Brake Structure)
- **Winch construction** : Aluminum die cast housings with steel drum
- **Drum size** : 63.5 x 227 mm (2.5" x 8.9")
- **Control** : Waterproof remote with thermometric indicator LED w/5 m (17') cord
- **Rope type** :
DV-12 light : Galvanized aircraft A7 x 19
DV-12s light : Synthetic rope SK-75
- **Rope size** :
DV-12 light : 9.5 mm x 25 m (3/8" x 82')
DV-12s light : 11 mm x 25 m (7/16" x 82')
- **Recommended battery** : 650 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 2 gauge battery lead
- **Mounting bolts pattern** : 254 x 114 mm (10" x 4.5")
- **Mounting** : Foot forward mounting only
- **Winch weight (including rope)** :
DV-12 light : 39 kg / 86 lb
DV-12s light : 30 kg / 66.1 lb
- **Gross weight** :
DV-12 light : 49 kg / 108 lb
DV-12s light : 36 kg / 79.4 lb
- **Box dimension** : 650 x 192 x 415 mm (25.6" x 7.7" x 16.3")

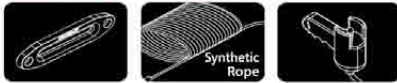
9 equally positioned pin holes ensure seamless clutch transmission and make it easily rotate by 40° Increments. (DV-12 light/12s light)

DV-12s light Self-Recovery Winch



Note: Hawse fairlead does not mount to winch

PN 850112 (12V) | PN 851024 (24V)

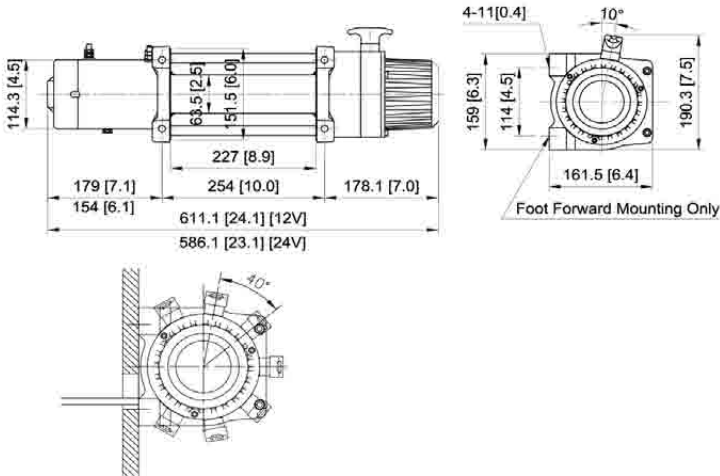


PERFORMANCE DATA : (DV-12 light /12s light)

Line Pull and Rope Capacity				
Layer of Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft		
		DV-12 light	DV-12s light	
1 st	5,443 / 12,000	5.4 / 17.7	4.7 / 15.5	
2 nd	4,319 / 9,522	12.2 / 40.0	10.8 / 35.5	
3 rd	3,580 / 7,893	20.5 / 67.3	18.3 / 60.1	
4 th	3,056 / 6,737	25.0 / 82.0	25.0 / 82.0	

Line Speed and Amp. Draw (1 st layer of rope on the drum)				
Line Pull kg / lb	Line Speed, mpm / fpm		Amp. Draw, A	
	DV-12 light	DV-12s light	12V	24V
No Load	8.0 / 26.2	8.2 / 26.9	50	30
1,814 / 4,000	3.0 / 9.8	3.1 / 10.2	120	70
3,629 / 8,000	1.5 / 5.0	1.6 / 5.1	230	140
4,536 / 10,000	1.2 / 4.0	1.2 / 4.0	290	180
5,443 / 12,000	1.0 / 3.3	1.0 / 3.3	350	210

DIMENSION mm/in : (DV-12 light/12s light)

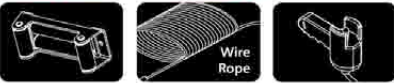


DV-9 Self-Recovery Winch

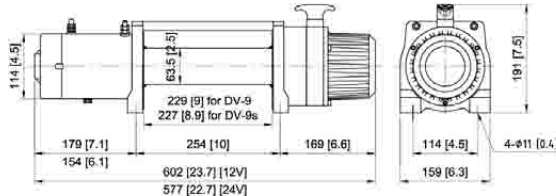


Note: Roller fairlead does not mount to winch

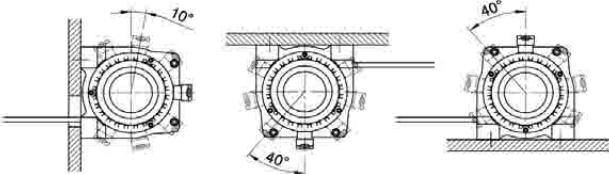
PN 856329 (12V) | PN 856355 (24V)



DIMENSION mm/in : (DV-9/9s)



9 equally positioned pin holes ensure seamless clutch transmission and make it easily rotate by 40° increments. (DV-9i/9si/9/9s)

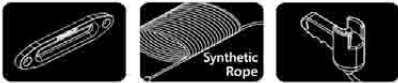


DV-9s Self-Recovery Winch



Note: Hawse fairlead does not mount to winch

PN 859112 (12V) | PN 859113 (24V)



SPECIFICATIONS : (DV-9/9s/9i/9si)

- **Rated line pull** : 4,082 kg (9,000 lb) single line
- **Motor** :
3,430 w / 4.6 hp 12V series wound w/thermal protection switch
1,940 w / 2.6 hp 24V series wound w/thermal protection switch
- **Gear ratio** : 3-stage planetary 156:1
- **Clutch (freespooling)** : Rotating ring gear
- **Brake (outside the drum)** : Automatic, full load CBS (Cone Brake Structure)
- **Winch construction** : Aluminum die cast housings with steel drum
- **Drum size** :
DV-9/9i : 63.5 x 229 mm (2.5" x 9")
DV-9s/9si : 63.5 x 227 mm (2.5" x 8.9")
- **Control** : Waterproof remote with thermometric indicator LED w/5 m (17') cord
- **Rope type** :
DV-9/9i : Galvanized aircraft A7 x 19
DV-9s/9si : Synthetic rope SK-75
- **Rope size** :
DV-9/9i : 8.3 mm x 30.5 m (21/64" x 100')
DV-9s/9si : 10 mm x 30.5 m (3/8" x 100')
- **Recommended battery** : 650 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 2 gauge battery lead
- **Mounting bolts pattern** : 254 x 114 mm (10" x 4.5")
- **Winch weight (including rope)** :
DV-9 : 33 kg / 72.8 lb ; DV-9s : 27 kg / 59.5 lb
DV-9i : 37 kg / 81.6 lb ; DV-9si : 31 kg / 68.3 lb
- **Gross weight** :
DV-9 : 43 kg / 94.8 lb ; DV-9s : 33 kg / 72.8 lb
DV-9i : 44 kg / 97 lb ; DV-9si : 37 kg / 81.6 lb
- **Box dimension** : 650 x 192 x 415 mm (25.6" x 7.7" x 16.3")

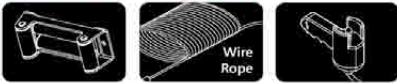


DV-9i Self-Recovery Winch



Note: Roller fairlead does not mount to winch

PN 856360 (12V) | PN 856388 (24V)



PERFORMANCE DATA : (DV-9/9s/9i/9si)

Line Pull and Rope Capacity			
Layer of Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	
		DV-9/9i	DV-9s/9si
1 st	4,082 / 9,000	6.1 / 20.0	5.5 / 18.1
2 nd	3,316 / 7,310	13.6 / 44.7	12.5 / 41.0
3 rd	2,792 / 6,154	22.6 / 74.0	20.9 / 68.6
4 th	2,410 / 5,314	30.5 / 100	30.5 / 100

Line Speed and Amp. Draw (1 st layer of rope on the drum)				
Line Pull kg / lb	Line Speed, mpm / fpm		Amp. Draw, A	
	DV-9/9i	DV-9s/9si	12V	24V
No Load	13 / 42.7	13.2 / 43.3	55	30
907 / 2,000	4.6 / 15.0	4.7 / 15.3	110	65
1,814 / 4,000	3.4 / 11.0	3.4 / 11.2	200	100
2,722 / 6,000	2.7 / 9.0	2.8 / 9.1	230	130
3,629 / 8,000	2.3 / 7.5	2.3 / 7.6	260	170
4,082 / 9,000	2.0 / 6.4	2.0 / 6.5	350	210

Color Box for DV-12 light/12s light/9/9s/9i/9si

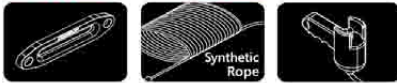


DV-9si Self-Recovery Winch

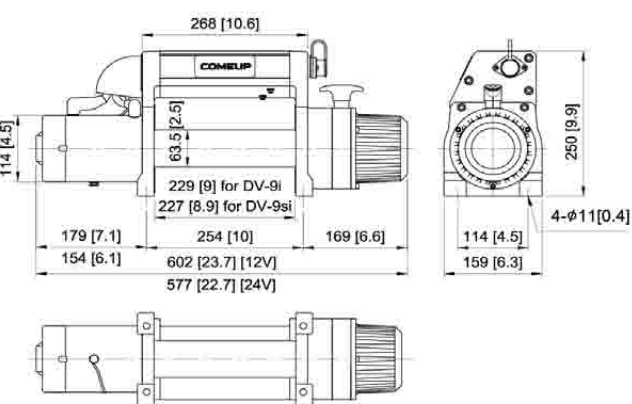


Note: Hawse fairlead does not mount to winch

PN 859012 (12V) | PN 859013 (24V)



DIMENSION mm/in : (DV-9i/9si)

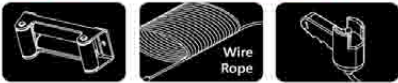


DV-6 Self-Recovery Winch



Note: Roller fairlead does not mount to winch

PN 854750 (12V) Std. drum | PN 854760 (12V) Long drum



SPECIFICATIONS : (DV-6/6s)

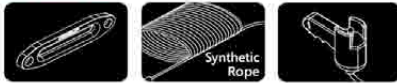
- **Rated line pull** : 2,722 kg (6,000 lb) single line
- **Motor** : 2,390 w / 3.2 hp 12V series wound
- **Gear ratio** : 3-stage planetary 216:1
- **Clutch (freespooling)** : Rotating ring gear
- **Brake (outside the drum)** : Automatic, full load CBS (Cone Brake Structure)
- **Winch construction** : Aluminum die cast housings and strong steel drum
- **Drum size** :
 - DV-6 Std. drum/6s : 63.5 x 125.5 mm (2.5" x 4.9")
 - DV-6 Long drum : 63.5 x 227 mm (2.5" x 8.9")
- **Control** : Waterproof remote w/5 m (17') cord
- **Rope type** :
 - DV-6 : Galvanized aircraft A7 x 19
 - DV-6s : Synthetic rope SK-75
- **Rope size** :
 - DV-6 Std. drum : 7.1 mm x 24.4 m (9/32" x 80')
 - DV-6 Long drum : 7.1 mm x 30.5 m (9/32" x 100')
 - DV-6s : 8 mm x 24.4 m (5/16" x 80')
- **Recommended battery** : 650 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 6 gauge battery lead
- **Mounting bolts pattern** :
 - DV-6 Std. drum/6s : 152.4 mm x 114 mm (6" x 4.5")
 - DV-6 Long drum : 254 mm x 114 mm (10" x 4.5")
- **Winch weight (including rope)** :
 - DV-6 Std. drum : 22.8 kg / 50.3 lb
 - DV-6 Long drum : 25.2 kg / 55.6 lb
 - DV-6s : 19 kg / 41.9 lb
- **Gross weight** :
 - DV-6 Std. drum : 28.4 kg / 62.6 lb
 - DV-6 Long drum : 32.8 kg / 72.3 lb
 - DV-6s : 21.6 kg / 47.6 lb
- **Box dimension** :
 - DV-6 Std. drum/6s : 505 x 210 x 340 mm (19.9" x 8.3" x 13.4")
 - DV-6 Long drum : 672 x 210 x 390 mm (26.5" x 8.3" x 15.4")

DV-6s Self-Recovery Winch



Note: Hawse fairlead does not mount to winch

PN 854752 (12V) Std. drum

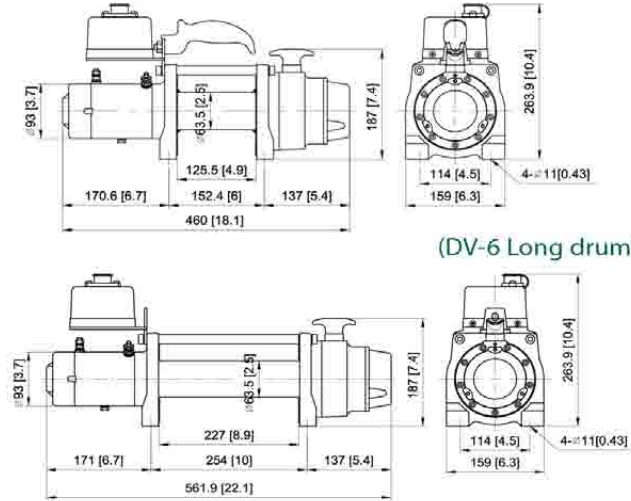


PERFORMANCE DATA : (DV-6/6s)

Layer of Wire Rope	Pull by Layer, kg / lb	Line Pull and Rope Capacity		
		Total Rope on the Drum, m / ft		
		Std. drum	Long drum	
1 st	2,722 / 6,000	3.8 / 12.5	3.5 / 11.3	7 / 22.9
2 nd	2,266 / 4,995	8.4 / 27.5	7.7 / 25.2	15.4 / 50.4
3 rd	1,941 / 4,279	13.7 / 45	12.6 / 41.5	25.2 / 82.5
4 th	1,697 / 3,742	19.8 / 65.1	18.4 / 60.3	30.5 / 100
5 th	1,508 / 3,325	24.4 / 80	24.4 / 80	-

Line Pull kg / lb	Line Speed, mpm / fpm	Line Speed and Amp. Draw (1 st layer of rope on the drum)	
		DV-6	DV-6s
		Amp. Draw, A 12V	
No Load	8.0 / 26.2	8.1 / 26.5	60
907 / 2,000	5.2 / 17	5.3 / 17.3	150
1,814 / 4,000	3.1 / 10.2	3.1 / 10.3	240
2,722 / 6,000	2.0 / 6.5	2.0 / 6.6	300

DIMENSION mm/in : (DV-6 Std. drum/6s)



(DV-6 Long drum)

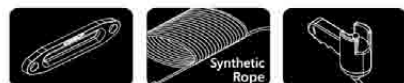


DV-6s carry on *Portable Winch*



PN 854765 (12V)

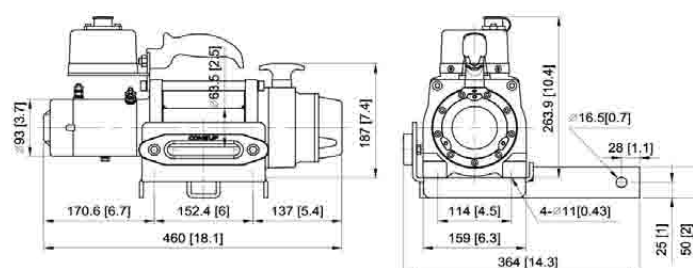
Note: Hawse fairlead does not mount to winch



SPECIFICATIONS :

- **Rated line pull** : 2,722 kg (6,000 lb) single line
- **Motor** : 2,390 w / 3.2 hp 12V series wound
- **Gear ratio** : 3-stage planetary 216:1
- **Clutch (freespooling)** : Rotating ring gear
- **Brake (outside the drum)** : Automatic, full load CBS (Cone Brake Structure)
- **Winch construction** : Aluminum die cast housings and strong steel drum
- **Drum size** : 63.5 x 125.5 mm (2.5" x 4.9")
- **Control** : Waterproof remote w/5 m (17') cord
- **Rope type** : Synthetic rope SK-75
- **Rope size** : 8 mm x 24.4 m (5/16" x 80')
- **Recommended battery** : 650 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 6 gauge battery lead
- **Mounting bolts pattern** : 152.4 mm x 114 mm (6" x 4.5")
- **Winch weight (including rope)** : 22.8 kg / 50.3 lb
- **Gross weight** : 27.4 kg / 60.4 lb
- **Box dimension** : 515 x 285 x 345 mm (20.3" x 11.2" x 13.6")

DIMENSION mm/in :



- Standard Accessories
- Synthetic rope 8 mm x 24.4 m w/clevis hook
 - Remote control w/5 m (17') cord
 - Hawse fairlead
 - Mounting hardware
 - 2" hitch receiver
 - Control box w/ handle
 - Quick connector wiring kit

- Heavy duty series wound motor delivers superior torque output and faster line speed.
- Lightweight and compact design is easy for front of vehicle.
- 2" hitch receiver and quick connector wiring kits for rear of vehicle.
- Submersible sealed contactor handles high amps and allows higher duty cycle
- 12 strand construction synthetic rope, Dyneema SK-75, coated to improve abrasion resistance and to protect from the ingress of dirt and grit.
- The U.S Germany, U.K. France, etc patented automatic, full load cone brake structure outside the drum holds the full load without slippage..
- Meet international standards of CE Machinery Directive 2006/42/EC and CE Electromagnetic Compatibility Directive 2004/108/EC.

PERFORMANCE DATA :

Line Pull and Rope Capacity		
Layer of Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	2,722 / 6,000	3.5 / 11.3
2 nd	2,266 / 4,995	7.7 / 25.2
3 rd	1,941 / 4,279	12.6 / 41.5
4 th	1,697 / 3,742	18.4 / 60.3
5 th	1,508 / 3,325	24.4 / 80

Line Speed and Amp. Draw (1 st layer of rope on the drum)		
Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A 12V
No Load	8.1 / 26.5	60
907 / 2,000	5.3 / 17.3	150
1,814 / 4,000	3.1 / 10.3	240
2,722 / 6,000	2.0 / 6.6	300

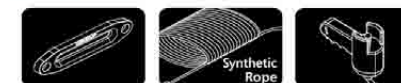


Cap 9.0s *Rock Sports Winch*



PN 859312 (12V)

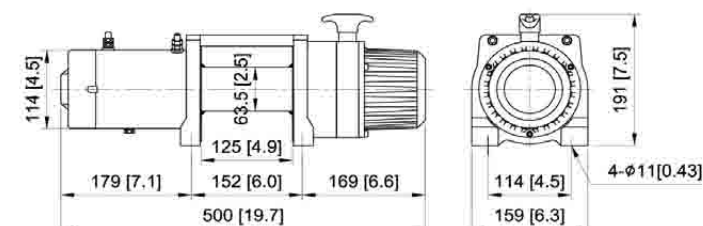
Note: Hawse fairlead does not mount to winch



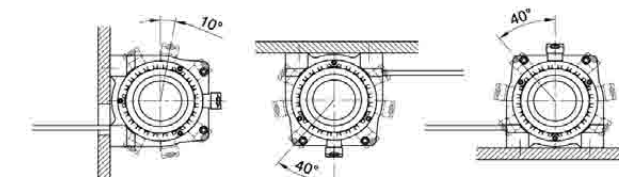
SPECIFICATIONS :

- **Rated line pull** : 4,082 kg (9,000 lb) single line
- **Motor** : 3,430 w / 4.6 hp 12V series wound w/thermal protection switch
- **Gear ratio** : 3-stage planetary 156:1
- **Clutch (freespooling)** : Rotating ring gear for manual rope unwinding
- **Brake (outside the drum)** : Automatic, full load CBS (Cone Brake Structure)
- **Winch construction** : Aluminum die cast housings with steel drum
- **Drum size** : 63.5 x 125 mm (2.5" x 4.9")
- **Control** : Waterproof remote with thermometric indicator LED w/5 m (17') cord
- **Rope type** : Synthetic rope SK-75
- **Rope size** : 10 mm x 15.2 m (3/8" x 50')
- **Recommended battery** : 650 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 2 gauge battery lead
- **Mounting bolts pattern** : 152 x 114 mm (6" x 4.5")
- **Winch weight (including rope)** : 24.5 kg / 54 lb
- **Gross weight** : 34.3 kg / 75.6 lb
- **Box dimension** : 550 x 195 x 425 mm (21.7" x 7.7" x 16.7")

DIMENSION mm/in :



- 9 equally positioned pin holes ensure seamless clutch transmission and make it easily rotate by 40° increments.



- Low-profile, compact, lightweight and fast line speed 9,000 lb of pulling power w/Dyneema Sk-75 synthetic rope for rock sports.
- 3,430 w / 4.6 hp 12V series wound motor delivers superior torque output.
- Silicone sealed at all motor and gear housing joint for waterproof construction.
- Submersible sealed contactor.
- 9 equally positioned pin holes with a stainless steel ergonomic T-handle make it possible to reposition in 40° increments.
- 12 strand construction synthetic rope, Dyneema SK-75, coated to improve abrasion resistance and to protect from the ingress of dirt and grit.
- Water-proof remote control with thermometric LED indicator alerts when motor overheating.
- U.S. Germany, U.K. France, etc patented mechanical cone brake holds the full load without slipping..
- Meet international standards of CE Machinery Directive 2006/42/EC and CE Electromagnetic Compatibility Directive 2004/108/EC.

PERFORMANCE DATA :

Line Pull and Rope Capacity		
Layer of Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	4,082 / 9,000	2.9 / 9.5
2 nd	3,270 / 7,209	6.6 / 21.7
3 rd	2,728 / 6,014	11 / 36.1
4 th	2,340 / 5,158	15.2 / 50

Line Speed and Amp. Draw (1 st layer of rope on the drum)		
Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A 12V
No Load	13.7 / 45	55
907 / 2,000	4.7 / 15	110
1,814 / 4,000	3.5 / 11.5	200
2,722 / 6,000	2.7 / 9	230
3,629 / 8,000	2.4 / 7.8	260
4,082 / 9,000	2.1 / 6.8	350



UTILITY DUTY WINCH

The Utility Duty winch series are designed to be a flexible tool for loading trailers or moving various vehicles or even boats into position. COMEUP winch provide line pull of 2,500 - 4,500 lb rating with power-out device for rapid wire rope payout. They are dexterous, easy-to-install and high torque permanent magnet motor delivers high line pull at lower amp draw. Dual brakes of automatic load-holding mechanical brake and motor dynamic brake features strength and reliability.

- Power in and Power out.
- High torque permanent magnet motor delivers high line pull at lower amp and slip-free dynamic brake.
- 3-stage planetary gearbox delivers the most reliable and durable performance of winch under the most rugged conditions.
- Sliding pin and ring gear clutch for rapid wire rope payout.
- Automatic load-holding mechanical brake and motor dynamic brake ensure holding the load without slippage.
- Compact and light weight allows a wide range of application on trailers and boats.
- Circuit breakers shut off winch to prevent overheating of motor.
- Integrated solenoid pack for better protection of wirings.
- Standard Compliance:

CE Machinery Directive 2006/42/EC

CE Electromagnetic Compatibility Directive 2004/108/EC



DV-4500i / 3500i / 2500i

Utility Duty Winch

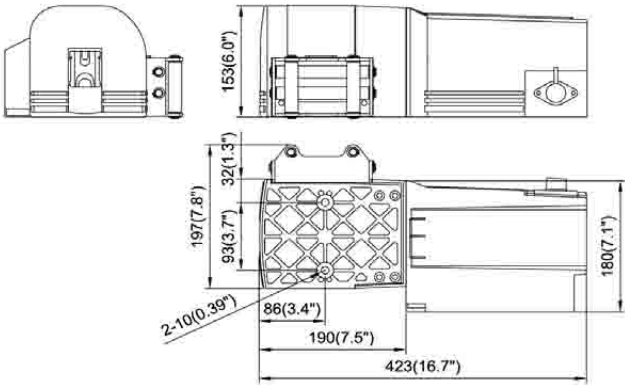


DV-4500i : **PN 641656** (12V) | **PN 642037** (24V)

DV-3500i : **PN 641101** (12V) | **PN 641371** (24V)

DV-2500i : **PN 640333** (12V) | **PN 640614** (24V)

DIMENSION mm/in : (DV-4500i/3500i/2500i)



PERFORMANCE DATA : (DV-4500i/3500i/2500i)

Line Pull and Rope Capacity							
Model Number	DV-4500i		DV-3500i		DV-2500i		
	Layer of Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
	1 st	2,041 / 4,500	2.4 / 7.9	1,588 / 3,500	2.7 / 8.9	1,134 / 2,500	3.1 / 10.2
	2 nd	1,688 / 3,722	5.3 / 17.4	1,340 / 2,954	6.0 / 19.6	975 / 2,149	6.7 / 22.0
	3 rd	1,440 / 3,174	8.7 / 28.6	1,159 / 2,555	9.7 / 31.8	855 / 1,885	10.8 / 35.5
	4 th	1,255 / 2,766	12.6 / 41.4	1,021 / 2,251	13.9 / 45.7	761 / 1,678	15.2 / 50
	5 th	1,112 / 2,451	15.2 / 50	913 / 2,012	15.2 / 50	-	-
Line Speed and Amp. Draw (1" layer of rope on the drum)							
Model Number	DV-4500i		DV-3500i		DV-2500i		
	Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A 12V 24V	Line Speed mpm / fpm	Amp. Draw, A 12V 24V	Line Speed mpm / fpm	Amp. Draw, A 12V 24V
	No Load	6.5 / 21.3	25 10	6.5 / 21.3	25 10	5.0 / 16.4	30 10
	454 / 1,000	5.0 / 16.4	110 55	5.0 / 16.4	110 55	3.5 / 11.0	80 55
	907 / 2,000	3.6 / 11.8	210 95	3.6 / 11.8	200 100	2.3 / 7.5	150 115
	1,134 / 2,500	3.2 / 10.5	240 110	3.2 / 10.5	230 115	1.3 / 4.2	200 140
	1,361 / 3,000	2.5 / 8.2	270 120	2.5 / 8.2	260 140	-	- -
	1,588 / 3,500	1.8 / 5.9	290 140	1.8 / 5.9	300 180	-	- -
	1,814 / 4,000	1.4 / 4.6	310 155	-	- -	-	- -
	2,041 / 4,500	0.4 / 1.3	330 170	-	- -	-	- -

Wireless Remote Control Accessories

PN 881262 RF-24C for automotive winches with a 6-pin plug

PN 880609 RF-24A for automotive winches with a 3-pin plug

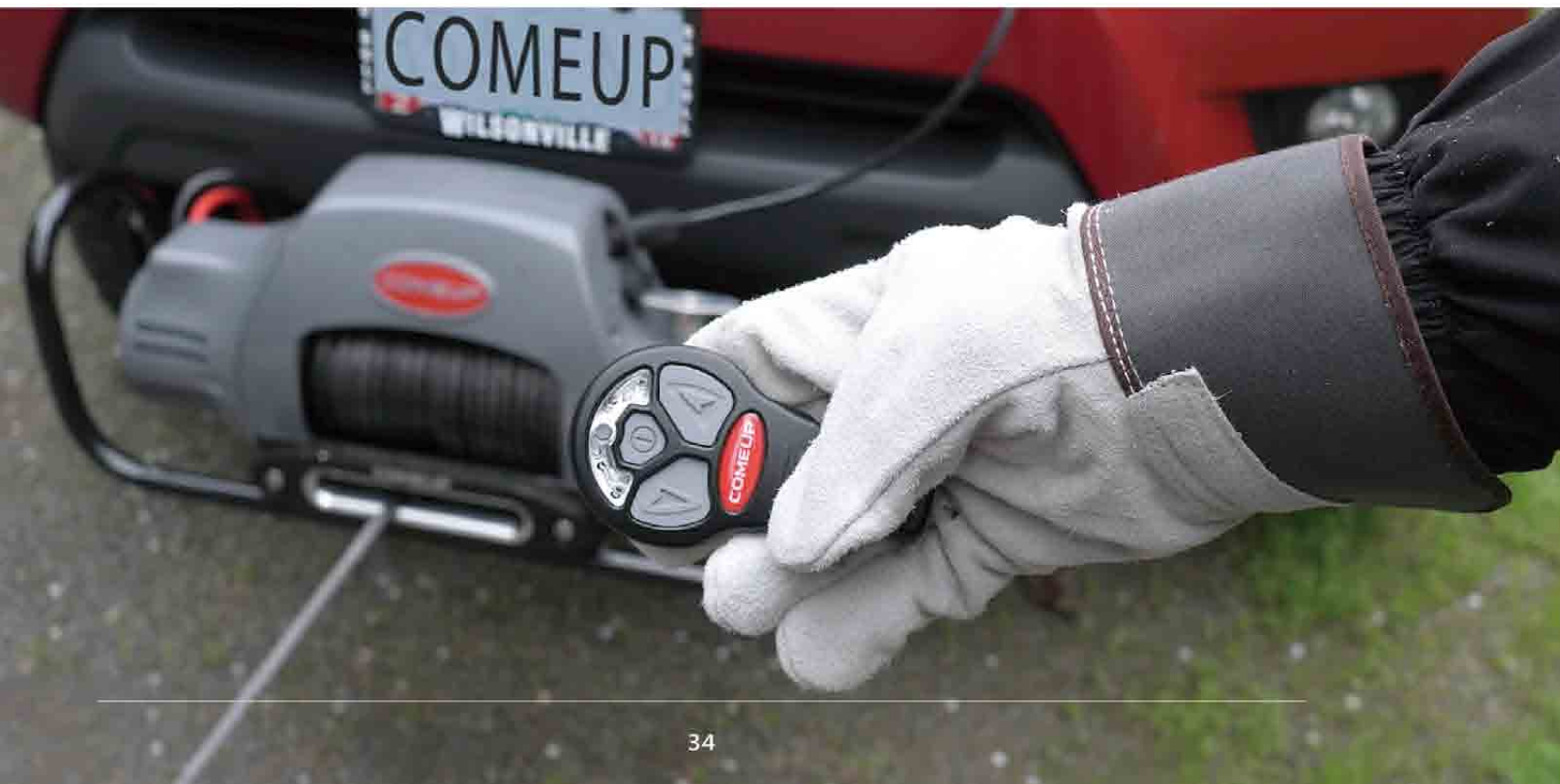
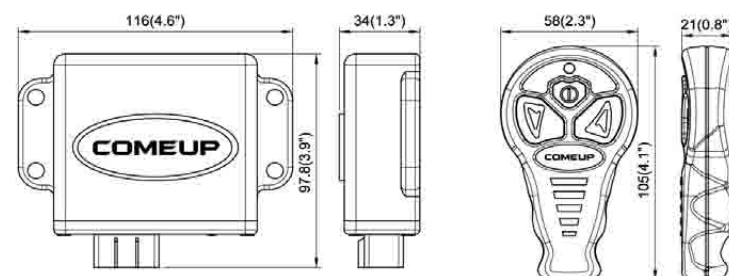
COMEUP wireless remote control communicates by a 2.4GHz digital transmission frequency. It delivers a reliable connection covering up to 27m (90') radius without interference. Users will experience virtually no interference and no time-lag operation when multiple devices are used in the same working area. The two-way communications provides feedback on signal receiving and it requires no manual configuration. It's easy to install. By simple plug-and-play, it starts working within seconds. Each pairing transmitter links up and stays linked automatically. You never have to worry about anyone having the same frequency. The sooner they are installed, the faster they work.

- Works with any 12 or 24 volt contact-switched automotive winches.
- 2.4 GHz wireless technology works within 27m (90') radius and the anti-interference function lets you move around an obstacle for winching.
- Stylish and ergonomic design fits comfortably with your hand.
- Power is switched on after a 5-second continuous press for safety.
- Power is cut after 5-minutes of inactivity for safety and conserving battery live.
- The transmitter can be self-coded, simplifying installation and replacement.
- Meet international standards of CE Electromagnetic Compatibility Directive 2004/108/EC.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

SPECIFICATIONS :

- **Frequency** : 2.4 GHz
- **Remote range** : up to 27 m (90')
- **LED indication** : Green light for power on.
Red light for winching.
Blinking green light for low battery life.
Blinking red light for poor signal received.
- **Transmitter** : 3V lithium battery, weight: 60 g / 2.1 oz
- **Receiver** : DC 8-24V rated 7.5A, weight: 150 g / 5.3 oz
- **WARRANTY** : Each new wireless remote control is guaranteed against defects in workmanship and material defects for period of one (1) year from date of purchase.

DIMENSION mm/in :



Winch Accessory Kit Accessories

Medium Duty Kit

Part Number : **PN 881662** for DV-6/6s, DV-6s carry on, DV-9/9s/9i/9si Seal Gen2 9.5/9.5s/9.5rs/9.5i/9.5si/9.5rsi

Designed for winch single line capacity up to 4,309 kg / 9,500 lb
Includes:

- 10,000 kg / 22,000 lb maximum capacity snatch block, **PN 881079**
- 100 mm x 2.4 m (4" x 8') tree trunk protector strap, **PN 881091**
- 75 mm x 9 m (3" x 30') recovery strap rated to 9,800 / 21,600 lb, **PN 881090**
- Bow shackle, 20 mm (3/4") pin diameter, **PN 881092**
- Recovery damper, **PN 881557**
- Leather gloves, **PN 881558**
- Duffel bag, **PN 881661**



DC Solenoid

PN 881077 (12V) / **PN 881078** (24V)
for DV-2500i/3500i/4500i



Sealed Contactor

PN 881355 (12V) / **PN 881356** (24V)
400A, for DV-9/9s/9i/9si/12 light/12s light/12/15/18, Seal Gen2 9.5/9.5s/9.5rs/9.5i/9.5si/9.5rsi/12.5/12.5s/12.5rs, Walrus 16.5/20.0, Cap 9.0s
PN 881357 (12V) 250A, for DV-6/6s/6s carry on



Remote Control

PN 880295 for DV-2500i/3500i/4500i
PN 880025 for DV-6/6s/6s carry on
PN 880126 for Seal Gen2 9.5/9.5s/9.5rs/9.5i/9.5si/9.5rsi/12.5/12.5s/12.5rs, DV-9/9s/9i/9si/12 light/12s light/12/15/18, Cap 9.0s (coming with protective thermal sensor LED)
PN 881671 for Walrus 16.5/20.0 (coming with protective thermal sensor LED & military quick connector)



Heavy Duty Kit

Part Number : **PN 882068** for DV-15/12/12 light/12s light, Seal Gen2 12.5/12.5s/12.5rs

Designed for winch single line capacity to 6,803 kg / 15,000 lb
Includes:

- 13,610 kg / 30,000 lb maximum capacity snatch block, **PN 881082**
- 100 mm x 2.4 m (4" x 8') tree trunk protector strap, **PN 881091**
- 75 mm x 9 m (3" x 30') recovery strap rated to 9,800 kg / 21,600 lb, **PN 881090**
- Bow shackle, 20 mm (3/4") pin diameter, **PN 881092**
- 3 m of 8 mm (10' of 5/16") grade 70 choker chain with hooks, **PN 881096**
- Recovery damper, **PN 881557**
- Leather gloves, **PN 881558**
- Duffel bag, **PN 881661**



Snatch Block

PN 881079 Max. load 10,000 kg / 22,000 lb for DV-6/6s/6s carry on, DV-9/9s/9i/9si, Seal Gen2 9.5/9.5s/9.5rs/9.5i/9.5si/9.5rsi Cap 9.0s
PN 881080 Max. load 5,000 kg / 11,000 lb for DV-2500i/3500i/4500i
PN 881082 Max. load 13,610 kg / 30,000 lb for DV-12 light/12s light/12/15, Seal Gen2 12.5/12.5s/12.5rs



Mounting Channel

PN 881083 Front mounting channel for DV-6 Long drum, DV-9/9s/9i/9si, Seal Gen2 9.5/9.5s/9.5rs/9.5i/9.5si/9.5rsi



PN 881085 Front mounting channel for DV-12/15



PN 881084 Multi-purpose mounting channel for DV-6 Long drum, DV-9/9s/9i/9si, Seal Gen2 9.5/9.5s/9.5rs/9.5i/9.5si/9.5rsi

PN 882264 2" hitch receiver for DV-6s carry on



Synthetic Rope

- The new synthetic fiber rope is made from Dyneema SK-75 specifically designed to replace steel wire ropes.
- Lightweight, high strength and no water absorption.
- A 12 strand construction rope coated to improve abrasion resistance and to protect the rope from the ingress of dirt and grit.



- PN 882025** w/o hook for Seal Gen2 9.5s/9.5rs/9.5si/9.5rsi, DV-9s/9si
- 30.5 m (100') of 10 mm (3/8") diameter synthetic rope designs for off-road winches application with line pull of 4,309 kg (9,500 lb) or less.
- PN 881649** w/o hook for Seal Gen2 12.5s/12.5rs, DV-12s light
- 25 m (82') of 11 mm (7/16") diameter synthetic rope designs for off-road winches application with line pull of 5,670 kg (12,500 lb) or less.
- PN 882271** w/o hook for Cap 9.0s
- 15.2 m (50') of 10 mm (3/8") diameter synthetic rope designs for off-road winch application with line pull of 4,082 kg (9,000 lb) or less.
- PN 882058** w/o hook for DV-6s/6s carry on
- 24.4 m (80') of 8 mm (5/16") diameter synthetic rope designs for portable winch application with line pull of 2,722 kg (6,000 lb) or less.

Wire Rope with Safety Hook

- PN 881246** 11.1 mm x 27.1 m (7/16" x 89') for DV-15
- PN 880052** 9.5 mm x 38.1 m (3/8" x 125') for DV-12
- PN 881522** 9.5 mm x 25 m (3/8" x 82') for DV-12 light, Seal Gen2 12.5
- PN 880112** 8.7 mm x 30.5 m (11/32" x 100') for Seal Gen2 9.5/9.5i
- PN 880010** 8.3 mm x 30.5 m (21/64" x 100') for DV-9/9i
- PN 882329** 7.1 mm x 24.4 m (9/32" x 80') for DV-6 Std. drum
- PN 882330** 7.1 mm x 30.5 m (9/32" x 100') for DV-6 Long drum
- PN 880305** 6.3 mm x 15.2 m (1/4" x 50') for DV-4500i
- PN 880298** 5.5 mm x 15.2 m (3/16" x 50') for DV-3500i
- PN 880288** 4.8 mm x 15.2 m (3/16" x 50') for DV-2500i



Wire Rope

- PN 881929** 12.7 mm x 25 m (1/2" x 82') for DV-18, Walrus 20.0
- PN 882027** 11.1 mm x 27.1 m (7/16" x 89') for Walrus



Hook

- PN 882477** sling hook for Seal Gen2 9.5s/9.5rs/9.5si/9.5rsi/12.5s/12.5rs, DV-9s/9si/12s light, Cap 9.0s
- PN 881996** 1/2" clevis hook for DV-18, Walrus 16.5/20.0
- PN 881995** 3/8" clevis hook for DV-6s/6s carry on



Recovery Damper

A recovery damper is a safety device designed to help eliminate the possibility of injury or property damage in the event of a wire rope failure. **PN 881557**



Leather Gloves

Always use leather gloves when handling the wire/synthetic rope to protect your hands. **PN 881558**

Bow Shackles

20 mm (3/4") pin diameter, **PN 881092**



Detachable Control Box

- PN 881164** (12V) for DV-9/9s/12 light/12s light/12/15/18, Seal Gen2 9.5/9.5s/12.5/12.5s, Cap 9.0s
- PN 881165** (24V) for DV-9/9s/12 light/12s light/12/15/18
- PN 881168** (12V) for Seal Gen2 9.5rs/12.5rs, w/built-in wireless receiver
- PN 882242** (12V) with handle for DV-6s carry on
- PN 882265** (12V) with handle for DV-6 Std. drum, DV-6s
- PN 882398** (12V) for DV-6 Long drum



Bridge Control Box

- PN 881160** (12V) / **PN 881161** (24V) for DV-9i /9si
- PN 882681** (12V) for Seal Gen2 9.5i/9.5si
- PN 882685** (12V) for Seal Gen2 9.5rsi



Roller Fairlead

- PN 880289** 63 mm throat for DV-2500i/3500i/4500i
- PN 880066** 179 mm throat for DV-12/15/18, Walrus 16.5
- PN 880096** 109 mm throat for DV-6 Std. drum
- PN 880023** 210 mm throat for DV-6 Long drum, DV-9/9i/12 ligh, Seal Gen2 9.5/9.5i/12.5
- PN 882218** 229 mm throat for Walrus 20.0



Hawse Fairlead

- PN 881061** 184 mm throat for Seal Gen2 9.5s/9.5rs/9.5si/9.5rsi/12.5s/12.5rs, DV-9s/9si/12s light
- PN 882152** 112 mm throat for Cap 9.0s, DV-6s/6s carry on



Cable Tensioner

- PN 881087** 204 mm for DV-12/15
- PN 882039** 204 mm for Walrus 16.5
- PN 882219** 254 mm for Walrus 20.0
- PN 882038** 184 mm for DV-18



Recovery Strap

- Use a recovery strap to snatch or pull out a stuck vehicle.
- 9,800 kg / 21,600 lb recovery strap 75 mm x 9 m (3" x 30') , **PN 881090**



Tree Trunk Protector Strap

- This tree trunk protector strap is useful for connecting a winch wire rope to almost any anchor point, but is primarily designed to prevent damage to a live tree trunk.
- 13,610 kg / 30,000 lb tree trunk protector 100 mm x 2.4 m (4" x 8') , **PN 881091**



Emergency Stop Switch,

PN 881668 400A



Battery Isolation Switch **PN 881097**

2 Position Off-On 12V 500 Amp for Walrus/Seal Gen2/DV/Cap Series Winch

Automotive Winch Accessories Chart
Walrus & Seal Gen2 & Cap Series

Model Number		Walrus 20.0	Walrus 16.5	Seal Gen2 12.5	Seal Gen2 12.5s	Seal Gen2 12.5rs	Seal Gen2 9.5	Seal Gen2 9.5s	Seal Gen2 9.5rs	Seal Gen2 9.5i	Seal Gen2 9.5si	Seal Gen2 9.5rsi	Cap 9.0s
Rated line pull	kg	9,070	7,484	5,670	5,670	5,670	4,309	4,309	4,309	4,309	4,309	4,309	4,082
	lb	20,000	16,500	12,500	12,500	12,500	9,500	9,500	9,500	9,500	9,500	9,500	9,000
Remote control		●	●	●	●	●	●	●	●	●	●	●	●
Control box	12V	-	●	●	●	●	●	●	●	●	●	●	●
	24V	●	●	-	-	-	-	-	-	-	-	-	-
Wire rope w/hook		●	●	●	-	-	●	-	-	●	-	-	-
Synthetic rope w/hook		-	-	-	●	●	-	●	●	-	●	●	●
Roller fairlead		●	●	●	-	-	●	-	-	●	-	-	-
Hawse fairlead		-	-	-	●	●	-	●	●	-	●	●	●
Circuit breaker		⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Battery lead		●	●	●	●	●	●	●	●	●	●	●	●
Handsaver strap		●	●	●	●	●	●	●	●	●	●	●	●
Cable tensioner		●	●	-	-	-	-	-	-	-	-	-	-
Snatch block		-	-	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Mounting channel		-	-	-	-	-	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Winch accessory kit		-	-	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Wireless remote control		-	-	⊙	⊙	Built-in	⊙	⊙	Built-in	⊙	⊙	Built-in	⊙
Recovery damper		⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Gloves		⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

DV Series

Model Number		DV-18	DV-15	DV-12	DV-12 light	DV-12s light	DV-9	DV-9s	DV-9i	DV-9si	DV-6	DV-6s	DV-6s carry on	DV-4500i	DV-3500i	DV-2500i
Rated line pull	kg	8,181	6,803	5,443	5,443	5,443	4,082	4,082	4,082	4,082	2,722	2,722	2,722	2,041	1,588	1,134
	lb	18,000	15,000	12,000	12,000	12,000	9,000	9,000	9,000	9,000	6,000	6,000	6,000	4,500	3,500	2,500
Remote control		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Control box	12V	-	●	●	●	●	●	●	●	●	●	●	●	Built-in	Built-in	Built-in
	24V	●	●	●	●	●	●	●	●	●	-	-	-	Built-in	Built-in	Built-in
Wire rope w/hook		●	●	●	●	-	●	-	●	-	●	-	-	●	●	●
Synthetic rope w/hook		-	-	-	-	●	-	●	-	●	-	●	●	-	-	-
Roller fairlead		●	●	●	●	-	●	-	●	-	●	-	-	●	●	●
Hawse fairlead		-	-	-	-	●	-	●	-	●	-	●	●	-	-	-
Circuit breaker		⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	●	●	●
Battery lead		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Handsaver strap		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Cable tensioner		⊙	⊙	⊙	-	-	-	-	-	-	-	-	-	-	-	-
Snatch block		-	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Mounting channel		-	⊙	⊙	-	-	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Winch accessory kit		-	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Wireless remote control		⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Recovery damper		⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Gloves		⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

● Means as a standard accessory / ⊙ Means as an option accessory

POWERSPORTS WINCH

CUB SERIES

2,500 - 4,000 lb pulling capacities



- 1 High efficient, low amp. draw and sealed permanent magnet motor
- 2 Mechanical load holding and dynamic brake for 100% braking
- 3 Full metal 3-stage planetary gear train for greater pulling force
- 4 Sliding pin and ring gear clutch device for rapid rope payout
- 5 Submersible sealed contactor handles high amps and allows higher duty cycle

COMEUP manufactures a complete line of powersports winches. COMEUP winches are always the best choice for a rider who needs help out of the mud, snow, ice or whatever obstacle stands in the way. Cub series winches are designed for endurance and reliability with features like a precision 3-stage planetary gear, center drum design, weather-sealed contactor, mechanical load holding, and easy-to-use handlebar rocker switch. If you are looking for a powerful Powersports winch to add versatility and dependability to your vehicle, we are confident we have what you want.

Standard Compliance:

CE Machinery Directive 2006/42/CE

CE Electromagnetic Compatibility Directive 2004/108/EC



COMEUP
LIMITED
LIFETIME
WARRANTY

Limited Lifetime Warranty for Mechanical Components

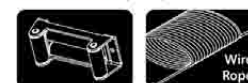
Limited One (1) Year Warranty for Electrical Components

Cub 4 Powersports Winch



Note: Roller fairlead does not mount to winch

PN 123920 (12V)



SPECIFICATIONS : (Cub 4/4s)

- **Rated line pull** : 1,814 kg (4,000 lb) single line
- **Motor** : 800 w / 1.0 hp 12V permanent magnet
- **Gear ratio** : 3-stage planetary 191:1
- **Clutch (freespooling)** : Sliding pin and ring gear
- **Brake** : Mechanical spring applied and permanent magnet motor dynamic brakes together
- **Winch construction** : Aluminum die cast housings and drum
- **Drum size** : 55 x 119 mm (2.2" x 4.7")
- **Control** : Handlebar rocker switch
- **Rope type** :
 - Cub 4 : Galvanized aircraft A7 x 19
 - Cub 4s : Synthetic rope SK-75
- **Rope size** : 5.5 mm x 15.2 m (7/32" x 50')
- **Recommended battery** : 550 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 6 gauge battery lead
- **Mounting bolts pattern** : 76 x 168 mm (3" x 6.6")
- **Winch weight (including rope)** :
 - Cub 4 : 8.9 kg / 19.6 lb
 - Cub 4s : 8 kg / 17.6 lb
- **Gross weight** :
 - Cub 4 : 13.1 kg / 28.9 lb
 - Cub 4s : 12 kg / 26.4 lb
- **Box dimension** : 380 x 362 x 144 mm (15" x 14.3" x 5.7")

Color Box for Cub 4/4s

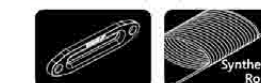


Cub 4s Powersports Winch



Note: Hawse fairlead does not mount to winch

PN 129410 (12V)



PERFORMANCE DATA : (Cub 4/4s)

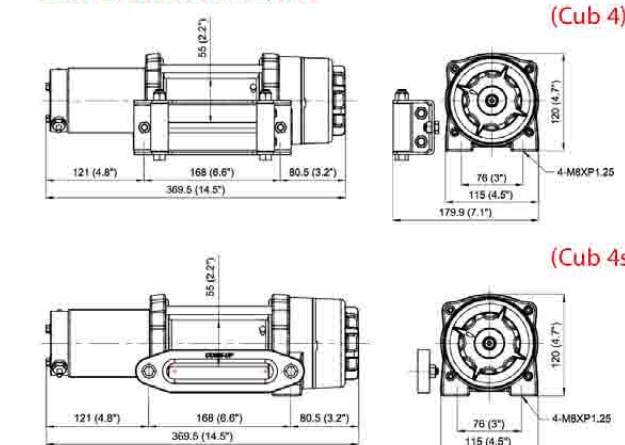
Line Pull and Rope Capacity

Layer of Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	1,814 / 4,000	4.0 / 13.2
2 nd	1,535 / 3,385	8.8 / 28.8
3 rd	1,331 / 2,933	14.2 / 46.7
4 th	1,174 / 2,588	15.2 / 50

Line Speed and Amp. Draw (1st layer of rope on the drum)

Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A 12V
No Load	6.0 / 19.7	15
227 / 500	3.9 / 12.8	45
454 / 1,000	3.4 / 11.2	70
680 / 1,500	3.1 / 10.2	90
907 / 2,000	2.9 / 9.5	120
1,134 / 2,500	2.7 / 8.9	150
1,361 / 3,000	2.4 / 7.9	180
1,588 / 3,500	2.2 / 7.2	210
1,814 / 4,000	2.0 / 6.6	230

DIMENSION mm/in :



Cub 3 Powersports Winch



PN 123561 (12V)

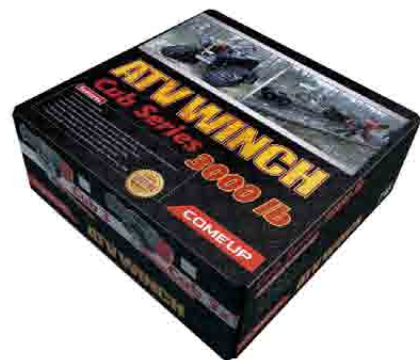
Note: Roller fairlead does not mount to winch



SPECIFICATIONS : (Cub 3/3s)

- **Rated line pull** : 1,361 kg (3,000 lb) single line
- **Motor** : 800 w / 1.0 hp 12V permanent magnet
- **Gear ratio** : 3-stage planetary 138.5:1
- **Clutch (freespooling)** : Sliding pin and ring gear
- **Brake** : Mechanical spring applied and permanent magnet motor dynamic brakes together
- **Winch construction** : Aluminum die cast housings and drum
- **Drum size** : 55 x 75 mm (2.2" x 3")
- **Control** : Handlebar rocker switch
- **Rope type** :
 - Cub 3 : Galvanized aircraft A7 x 19
 - Cub 3s : Synthetic rope SK-75
- **Rope size** : 4.8 mm x 15.2 m (3/16" x 50')
- **Recommended battery** : 550 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 6 gauge battery lead
- **Mounting bolts pattern** : 76 x 124 mm (3" x 4.9")
- **Winch weight (including rope)** :
 - Cub 3 : 8.2 kg / 18 lb
 - Cub 3s : 7.2 kg / 15.9 lb
- **Gross weight** :
 - Cub 3 : 12.5 kg / 27.6 lb
 - Cub 3s : 11.5 kg / 25.3 lb
- **Box dimension** : 349 x 331 x 144 mm (13.7" x 13" x 5.7")

Color Box for Cub 3/3s



Cub 3s Powersports Winch



PN 129300 (12V)

Note: Hawse fairlead does not mount to winch



PERFORMANCE DATA : (Cub 3/3s)

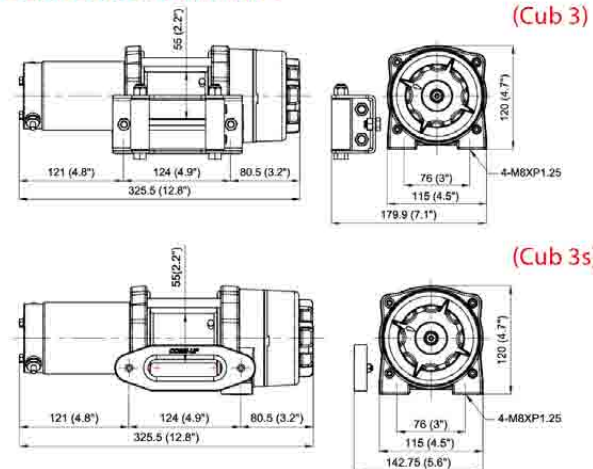
Line Pull and Rope Capacity

Layer of Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	1,361 / 3,000	2.8 / 9.3
2 nd	1,173 / 2,585	6.1 / 20.1
3 rd	1,030 / 2,271	9.9 / 32.5
4 th	918 / 2,025	14.1 / 46.3
5 th	829 / 1,827	15.2 / 50

Line Speed and Amp. Draw (1st layer of rope on the drum)

Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A 12V
No Load	6.8 / 22.2	25
227 / 500	5.7 / 18.7	45
454 / 1,000	4.8 / 15.6	75
680 / 1,500	3.8 / 12.5	105
907 / 2,000	3.0 / 9.8	140
1,134 / 2,500	2.5 / 8.0	180
1,361 / 3,000	2.0 / 6.7	230

DIMENSION mm/in :

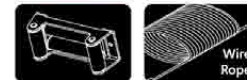


Cub 2 Powersports Winch



Note: Roller fairlead does not mount to winch

PN 122012 (12V)



SPECIFICATIONS : (Cub 2/2s)

- **Rated line pull** : 907 kg (2,000 lb) single line
- **Motor** : 600 w / 0.8 hp 12V permanent magnet
- **Gear ratio** : 3-stage planetary 103:1
- **Clutch (freespooling)** : Cam activated
- **Brake** : Mechanical spring applied and permanent magnet motor dynamic brakes together
- **Winch construction** : Aluminum die cast drum and steel plate housings
- **Drum size** : 38 x 75 mm (1.5" x 3.0")
- **Control** : Handlebar rocker switch
- **Rope type** :
 - Cub 2 : Galvanized aircraft A7 x 19
 - Cub 2s : Synthetic rope SK-75
- **Rope size** : 4 mm x 15.2 m (5/32" x 50')
- **Recommended battery** : 550 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 6 gauge battery lead
- **Mounting bolts pattern** : 76 x 124 mm (3" x 4.9")
- **Winch weight (including rope)** :
 - Cub 2 : 6.5 kg / 14.3 lb
 - Cub 2s : 6 kg / 13.2 lb
- **Gross weight** :
 - Cub 2 : 10 kg / 22 lb
 - Cub 2s : 9 kg / 19.8 lb
- **Box dimension** : 296 x 223 x 140 mm (11.7" x 8.8" x 5.5")

Color Box for Cub 2/2s



Cub 2s Powersports Winch



Note: Hawse fairlead does not mount to winch

PN 122112 (12V)



PERFORMANCE DATA : (Cub 2/2s)

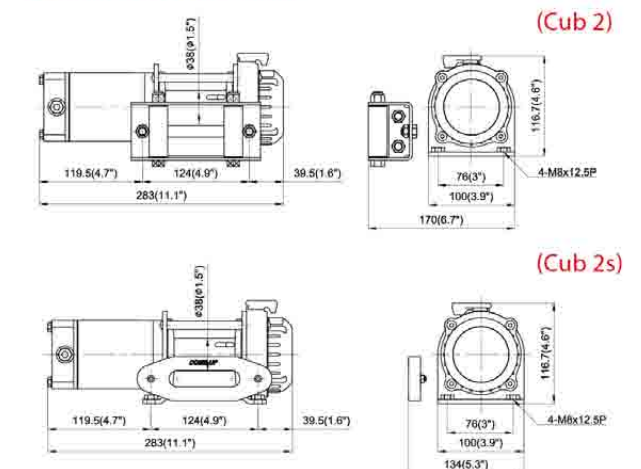
Line Pull and Rope Capacity

Layer of Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	907 / 2,000	2.4 / 7.9
2 nd	762 / 1,680	5.3 / 17.4
3 rd	657 / 1,448	8.6 / 28.2
4 th	577 / 1,272	12.4 / 40.7
5 th	515 / 1,135	15.2 / 50

Line Speed and Amp. Draw (1st layer of rope on the drum)

Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A 12V
No Load	6.1 / 20.0	20
302 / 666	4.6 / 15.1	50
605 / 1,334	3.1 / 10.2	100
907 / 2,000	2.0 / 6.6	150

DIMENSION mm/in :

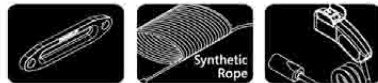


Cub 4s carry on *Portable Winch*



Note: Hawse fairlead does not mount to winch.

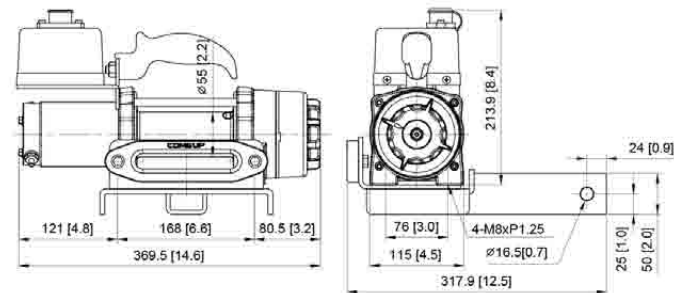
PN 123930 (12V)



SPECIFICATIONS :

- **Rated line pull** : 1,814 kg (4,000 lb) single line
- **Motor** : 800 w / 1.0 hp 12V permanent magnet
- **Gear ratio** : 3-stage planetary 191:1
- **Clutch (freespooling)** : Sliding pin and ring gear
- **Brake** : Mechanical spring applied and permanent magnet motor dynamic brakes together
- **Winch construction** : Aluminum die cast housings and drum
- **Drum size** : 55 x 119 mm (2.2" x 4.7")
- **Control** : Remote control w/3 m cord
- **Rope type** : Synthetic rope SK-75
- **Rope size** : 5.5 mm x 15.2 m (7/32" x 50')
- **Recommended battery** : 550 CCA minimum for winching
- **Battery lead** : 1.8 m (6') 6 gauge battery lead
- **Mounting bolts pattern** : 76 x 168 mm (3" x 6.6")
- **Winch weight (including rope)** : 12.2 kg / 26.9 lb
- **Gross weight** : 19.1 kg / 42.1 lb
- **Box dimension** : 410 x 200 x 345 mm (16.1" x 7.9" x 13.6")

DIMENSION mm/in :



- High efficient low amp. draw and sealed permanent magnet motor.
- Lightweight and compact design is easy for front of vehicle.
- 2" hitch receiver and quick connector wiring kits for rear of vehicle.
- Winch drum centered avoids tire interference of rope and provides streamlined appearance.
- Mechanical load holding and dynamic brakes for 100% braking.
- Cam activated clutch device for rapid wire rope payout.
- 12 strand construction synthetic rope, Dyneema SK-75, coated to improve abrasion resistance and to protect from the ingress of dirt and grit.
- Submersible sealed contactor handles high amps and allows higher duty cycle.
- Meet international standards of CE Machinery Directive 2006/42/EC and CE Electromagnetic Compatibility Directive 2004/108/EC.

PERFORMANCE DATA :

Line Pull and Rope Capacity		
Layer of Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	1,814 / 4,000	4.0 / 13.2
2 nd	1,535 / 3,385	8.8 / 28.8
3 rd	1,331 / 2,933	14.2 / 46.7
4 th	1,174 / 2,588	15.2 / 50

Line Speed and Amp. Draw (1 st layer of rope on the drum)		
Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A 12V
No Load	6.0 / 19.7	15
454 / 1,000	3.4 / 11.2	70
907 / 2,000	2.9 / 9.5	120
1,361 / 3,000	2.4 / 7.9	180
1,814 / 4,000	2.0 / 6.6	230



- Standard Accessories
 - Synthetic rope 5.5 mm x 15.2 m w/clevis hook
 - Remote control w/3 m cord
 - Hawse fairlead
 - Mounting hardware
 - Control box w/handle, **PN 882240**
 - 2" hitch receiver, **PN 882241**
 - Quick connector wiring kit

Wireless Remote Control

PN 881286 2.4 Ghz with 27 m (90'), RF-24D for Cub 2/2s/3/3s/4/4s/4s carry on

Roller Fairlead

PN 880231 65 mm throat for Cub 2/3

PN 880132 109 mm throat for Cub 4

Hawse Fairlead

PN 881071 82 mm throat for Cub 2s/3s

PN 881072 108 mm throat for Cub 4s/4s carry on

Remote Control + Remote Socket

PN 881305 + PN 881004 for Cub 2/2s/3/3s/4/4s

PN 881305 for Cub 4s carry on



Contactor w/lead

PN 881385 250A, 12V for Cub 2/2s/3/3s/4/4s/4s carry on

Handlebar Switch Kit

PN 881003 Rocker switch with cord for Cub 2/2s/3/3s/4/4s

Quick Connector

PN 881075 50A, for Cub 2/2s/3/3s/4/4s/4s carry on

Contactor Pack

PN 881037 12V,

Detachable contactor pack for Cub 2/2s/3/3s/4/4s

Snatch Block

PN 881080 Max. load 5,000 kg /

11,000 lb for Cub 4/4s/4s carry on

PN 881081 Max. load 2,700 kg / 6,000

lb for Cub 2/2s/3/3s

Powersports Winch Accessories Chart

Model Number	Cub 2	Cub 2s	Cub 3	Cub 3s	Cub 4	Cub 4s	Cub 4s carry on
Rated linepull kg	9,07	9,07	1,361	1,361	1,814	1,814	1,814
Rated linepull lb	2,000	2,000	3,000	3,000	4,000	4,000	4,000
Handlebar Switch Kit	●	●	●	●	●	●	-
Contactor Pack	●	●	●	●	●	●	-
Wire Rope w/Hook	●	-	●	-	●	-	-
Synthetic Rope w/Hook	-	●	-	●	-	●	●
Roller Fairlead	●	-	●	-	●	-	-
Hawse Fairlead	-	●	-	●	-	●	●
Handlebar Hardware	●	●	●	●	●	●	-
Mounting Hardware	●	●	●	●	●	●	●
Base Plate Kit	⊙	⊙	⊙	⊙	⊙	⊙	●
Handsaver Strap	●	●	●	●	●	●	●
Wireless Remote Control	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Remote Control	⊙	⊙	⊙	⊙	⊙	⊙	●
Snatch Block	⊙	⊙	⊙	⊙	⊙	⊙	⊙

● Means as a standard accessory / ⊙ Means as an option accessory

Wire Rope with Hook

PN 881954 4.8 mm x 15.2 m (3/16" x 50') w/ stopper for Cub 3

PN 880257 4 mm x 15.2 m (5/32" x 50') w/ stopper for Cub 2

PN 881955 5.5 mm x 15.2 m (7/32" x 50') w/ stopper for Cub 4

Synthetic Rope with Hook

PN 881952 w/hook for Cub 3s

- 15.2 m (50') of 4.8 mm (3/16") diameter synthetic rope (SK-75) design for powersports winch application with line pull of 1,361 kg (3,000 lb) or less

PN 881953 w/hook for Cub 4s

PN 881993 w/hook for Cub 4s carry on

- 15.2 m (50') of 5.5 mm (7/32") diameter synthetic rope (SK-75) design for powersports winch application with line pull of 1,814 kg (4,000 lb) or less

PN 881065 w/hook for Cub 2s

- 15.2 m (50') of 4 mm (5/32") diameter synthetic rope (SK-75) design for powersports winch application with line pull of 907 kg (2,000 lb) or less

Transmitter holder for Cub Series



Press here to loose the transmitter from

Transmitter Holder, **PN 881861**

Wireless Remote Control with Transmitter Holder
PN 881776 2.4 Ghz with 27 m (90'), RF-24E for Cub 2/2s/3/3s/4/4s/4s carry on

Hook

PN 881997 5/16" clevis hook for Cub 4s carry on





INDUSTRIAL WINCH

▲ Limited One (1) year Warranty.

Hydraulic Recovery Winch

Powered by a PTO (power take off) unit driven pump, COMEUP Hydraulic Recovery Winches feature a professional hydraulic system for "Working" applications at cost effective, extremely powerful, reliable, light weight and variable line speed for high work rate. They come with a drag brake and over-center valve providing complete braking without slip. The efficient and constant operating high torque motor supports professional applications in tough situations. All COMEUP hydraulic recovery winches are for particular applications such as rescuing and recovering vehicles, cargo trucks, vehicle recovery and many other commercial vehicles.

▲ Bison Series 20,000 - 50,000 lb

▲ HV Series 8,000 - 15,000

Features:

- Powered by an onboard hydraulic pump or PTO
- Fast and variable recovery speeds for high speed working
- Efficient and constant operating high torque motor
- 2-stage planetary gear train for greater pulling force
- Turn clutch by ergonomic T-handle for rapid wire rope payout
- Drag brake and over-center valve providing complete braking
- EN 14492-1 supported, 10:1 D/d ratio and 2.1 wire rope strength allow severe duty vehicles and commercial recovery
- Meet SAE J706 revised AUG 2003, CE Machinery Directive 2006/42/EC, and EN 14492-1:2006 Power Driven Winches (Except Bison 30/50)

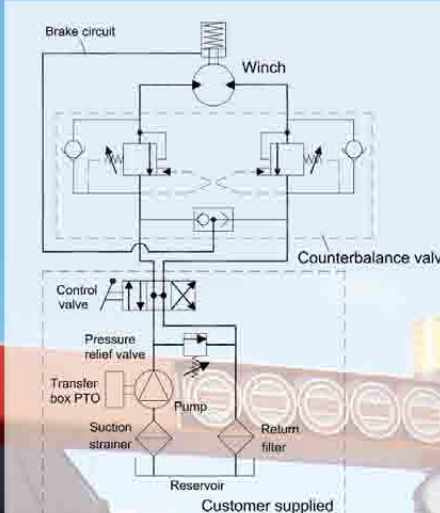
BISON SERIES

20,000 - 50,000 lb pulling capacities



- 1 Powered by a PTO (power take off unit) driven pump with variable recovery speeds for high working.
- 2 Highly efficient and constant operating torque motor.
- 3 The Multi Disc Brake (MDB) patented for holding full load
- 4 Hardened 2-stage planetary gear train provides faster line.
- 5 Built-in air clutch for rapid wire rope payout

Remark: Low pressure motor or EN Version available upon request



(Powered by PTO / power take off unit driven pump)
The installation of the counterbalance valve supplied is required for 100% braking



Bison 50 *Hydraulic Recovery Winch*

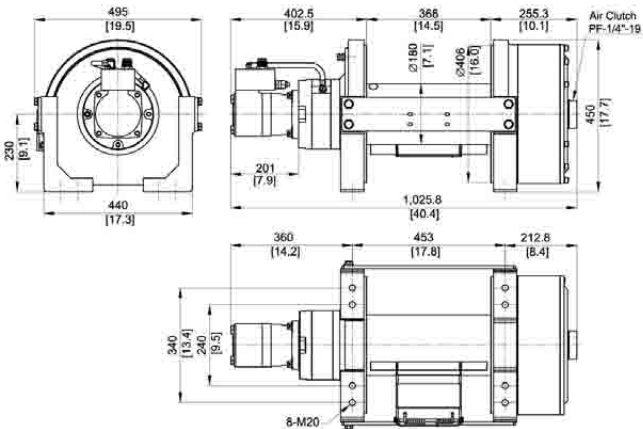


PN 685010 Std. drum

SPECIFICATIONS :

- **Rated line pull** : 22,680 kg (50,000 lb) SAE J706 ratings
- **Line speed (at 1st layer of rope)** : 5.7 mpm at 100 l/min (19 fpm at 26.5 g/min)
- **Operation pressure** : 200 bar / 2,900 psi
- **Max oil flow** : 100 l/min (26.5 g/min)
- **Hydraulic motor** : 251.8 cm³ / rev (15.4 in³ / rev)
- **Gear ratio** : 2-stage planetary gear 44:1
- **Winch construction** : Cast housings with steel drum
- **Clutch (Freespooling)** : Output shaft disengaged
- **Brake** : Multi-Disc Brake (MDB) patented and counterbalance valve supplied
- **Rotation of winch** : Wire rope shall be under-wound orientation only
- **Drum barrel diameter** : 180 mm (7.1")
- **Drum flange diameter** : 406 mm (16")
- **Distance between flanges** : 368 mm (14.5")
- **Mounting bolts pattern** :
240 x 453 mm (9.5" x 17.8"); 340 x 453 mm (13.4" x 17.8")
- **Wire rope recommended** : 22.4 mm x 48 m (7/8" x 157')
1,770 N/mm² breaking strength of 305 kN required for SAE J706 ratings.
- **Winch weight** : 394 kg / 869 lb
- **Gross weight** : 445 kg / 981 lb
- **Box dimension** : 1,260 x 790 x 630 mm (496" x 311" x 248")

DIMENSION mm/in :



- Powered by a PTO (power take off unit) driven pump with variable recovery speeds for high working rate
- 251.8 cm³/rev highly efficient and constant operating torque motor with 22,680 kg / 50,000 lb capacity
- Hardened 2 stage planetary gear train with 44:1 gear ratio provides faster line speed
- Built-in air clutch for rapid wire rope payout
- The Multi-Disc Brake (MDB) patented and counterbalance valve for holding full load
- Great for severe duty trailers, roll-back carriers, and commercial recovery application
- Roller fairlead, cable tensioner and two ways counterbalance valve supplied
- Meet SAE J706 revised AUG 2003 and CE machinery directive 2006/42/EC

PERFORMANCE DATA :

Line Pull and Rope Capacity		Line Speed	
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	at 100 l/min (26.5 g/min), mpm / fpm
1 st	22,680 / 50,000	10 / 33	5.7 / 19
2 nd	18,570 / 40,940	22 / 72	7.0 / 23
3 rd	15,720 / 34,660	36 / 118	8.3 / 27
4 th	13,630 / 30,050	48 / 157	9.6 / 31



Bison 30 *Hydraulic Recovery Winch*



PN 683030 Std. drum | PN 683352 Long drum

SPECIFICATIONS :

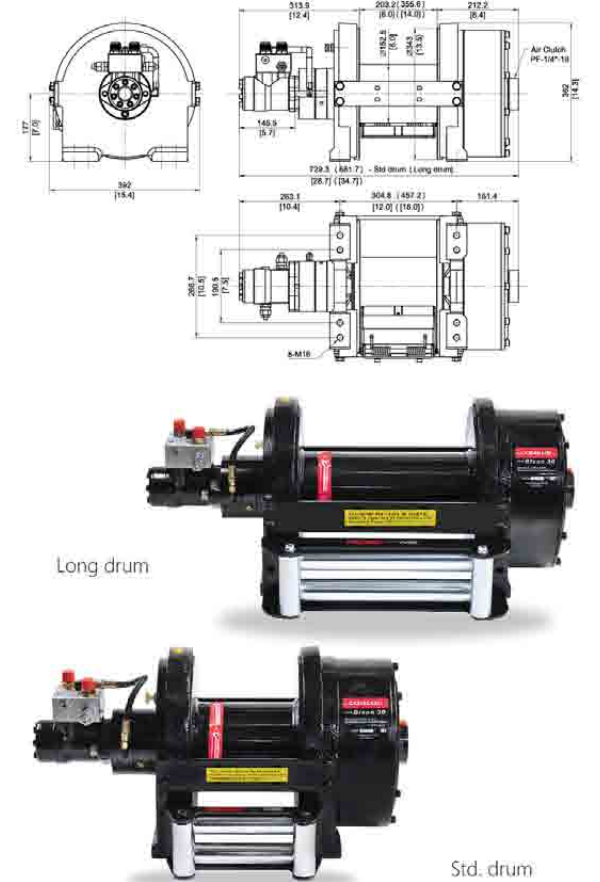
- **Rated line pull** : 13,600 kg (30,000 lb) SAE J706 ratings
- **Line speed (at 1st layer of rope)** : 5.0 mpm at 60 l/min (16 fpm at 15.9 g/min)
- **Operation pressure** : 175 bar / 2,540 psi
- **Max oil flow** : 60 l/min (15.9 g/min)
- **Hydraulic motor** : 155.7 cm³ / rev (9.5 in³ / rev)
- **Gear ratio** : 2-stage planetary gear 41.1
- **Winch construction** : Cast housings with steel drum
- **Clutch (Freespooling)** : Output shaft disengaged
- **Brake** : Multi-Disc Brake (MDB) patented and counterbalance valve supplied
- **Rotation of winch** : Wire rope shall be under-wound orientation only
- **Drum barrel diameter** : 152.5 mm (6")
- **Drum flange diameter** : 343 mm (13.5")
- **Distance between flanges** : 203.2 mm (8") - Std. drum
355.6 mm (14") - Long drum
- **Mounting bolts pattern** :
Std. drum - 190.5 x 304.8 mm (7.5" x 12"); 266.7 x 304.8 mm (10.5" x 12")
Long drum - 190.5 x 457.2 mm (7.5" x 18"); 266.7 x 457.2 mm (10.5" x 18")
- **Wire rope recommended** : 16 mm x 43 m (5/8" x 141') for Std. drum and 75 m (246') for Long drum, 1,960 N/mm² (EIPS) grade with a minimum breaking strength of 179 kN (40,167 lbf) required for SAE J706 ratings.
- **Winch weight** : 175 kg / 386 lb (Std. drum)
197 kg / 434 lb (Long drum)
- **Gross weight** : 198 kg / 437 lb (Std. drum)
235 kg / 518 lb (Long drum)
- **Box dimension** : 900 x 510 x 530 mm (35.4" x 20.1" x 20.9") - Std. drum
1,040 x 620 x 510 mm (40.9" x 24.4" x 20.1") - Long drum

PERFORMANCE DATA :

Line Pull and Rope Capacity			Line Speed	
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	at 60 l/min (15.9 g/min), mpm / fpm	
		Std. drum	Long drum	
1 st	13,600 / 30,000	6 / 20	11 / 36	5.0 / 16
2 nd	11,438 / 25,216	14 / 44	25 / 82	5.9 / 19
3 rd	9,864 / 21,745	22 / 73	40 / 131	6.9 / 23
4 th	8,670 / 19,115	32 / 104	58 / 190	7.8 / 26
5 th	7,735 / 17,052	43 / 141	75 / 246	8.8 / 29

- Powered by a PTO (power take off unit) driven pump with variable recovery speeds for high working rate
- 155.7 cm³/rev highly efficient and constant operating torque motor with 13,600 kg / 30,000 lb capacity
- Hardened 2 stage planetary gear train with 41:1 gear ratio provides faster line speed
- Built-in air clutch for rapid wire rope payout
- The Multi-Disc Brake (MDB) patented and counterbalance valve for holding full load
- Great for severe duty trailers, roll-back carriers, and commercial recovery application
- Roller fairlead, cable tensioner and two ways counterbalance valve supplied
- Meet SAE J706 revised AUG 2003 and CE machinery directive 2006/42/EC

DIMENSION mm/in :



Bison 20 *Hydraulic Recovery Winch*



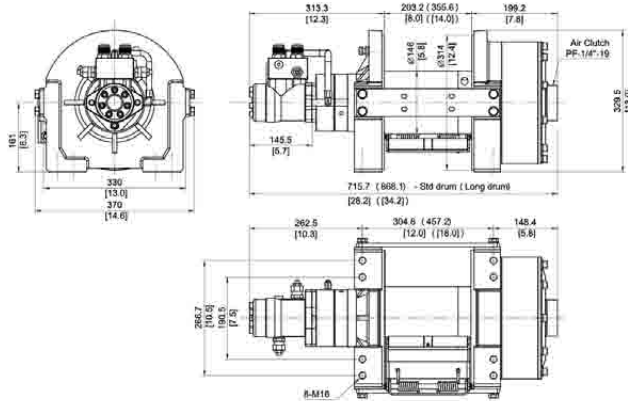
PN 682030 Std. drum | PN 682169 Long drum

SPECIFICATIONS :

- **Rated line pull** : 9,070 kg (20,000 lb) EN 14492-1 rating & SAE J706 rating
- **Line speed (at 1st layer of rope)** : 7.1 mpm at 60 l/min (23 fpm at 15.9 g/min)
- **Operation pressure** : 175 bar / 2,540 psi
- **Max oil flow** : 60 l/min (15.9 g/min)
- **Hydraulic motor** : 155.7 cm³ / rev (9.5 in³ / rev)
- **Gear ratio** : 2-stage planetary gear 30:1
- **Winch construction** : Cast housings with steel drum
- **Clutch (Freespooling)** : Output shaft disengaged
- **Brake** : Multi-Disc Brake (MDB) patented and counterbalance valve supplied
- **Rotation of winch** : Wire rope shall be under-wound orientation only
- **Drum barrel diameter** : 146 mm (5.8")
- **Drum flange diameter** : 314 mm (12.4")
- **Distance between flanges** : 203.2 mm (8") - Std. drum
355.6 mm (14") - Long drum
- **Mounting bolts pattern** :
Std. drum - 190.5 x 304.8 mm (7.5" x 12"); 266.7 x 304.8 mm (10.5" x 12")
Long drum - 190.5 x 457.2 mm (7.5" x 18"); 266.7 x 457.2 mm (10.5" x 18")
- **Wire rope recommended** :
*14 mm x 43 m (9/16" x 141') for Std. drum and 80 m (262') for Long drum, 1,960 N/mm² (EIPS) grade with a minimum breaking strength of 137 kN (30742 lbf) required for SAE J706 rating.
*16 mm x 30 m (5/8" x 98') for Std. drum and 55 m (180') for Long drum, 1,960 N/mm² (EIPS) grade with a minimum breaking strength of 179 kN (40,167 lbf) required for EN 14492-1 rating.
- **Winch weight** : 135 kg / 298 lb (Std. drum)
150 kg / 331 lb (Long drum)
- **Gross weight** : 165 kg / 364 lb (Std. drum)
195 kg / 430 lb (Long drum)
- **Box dimension** : 870 x 500 x 510 mm (34.3" x 19.7" x 20.1") - Std. drum
1,025 x 500 x 510 mm (40.4" x 19.7" x 20.1") - Long drum

- Powered by a PTO (power take off unit) driven pump with variable recovery speeds for high working rate
- 155.7 cm³/rev highly efficient and constant operating torque motor with 9,070 kg / 20,000 lb capacity
- Hardened 2 stage planetary gear train with 30:1 gear ratio provides faster line speed
- Built-in air clutch for rapid wire rope payout
- The Multi-Disc Brake (MDB) patented for holding full load
- Great for severe duty trailers, roll-back carriers, and commercial recovery application
- Roller fairlead, cable tensioner and two ways counterbalance valve supplied
- Meet SAE J706, CE machinery directive 2006/42/EC and EN 14492-1:2006 Power Driven Winches

DIMENSION mm/in :



PERFORMANCE DATA :

Line Pull and Rope Capacity					Line Speed	
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft				at 60 l/min (15.9 g/min), mpm / fpm
		Std. drum 14 mm rope	16 mm rope	Long drum 14 mm rope 16 mm rope		
1 st	9,070 / 20,000	7 / 23	6 / 20	12 / 39	11 / 36	7.1 / 23
2 nd	7,719 / 17,017	15 / 49	13 / 43	27 / 89	24 / 79	8.3 / 27
3 rd	6,719 / 14,813	24 / 79	21 / 69	43 / 141	39 / 128	9.5 / 31
4 th	5,948 / 13,113	34 / 112	30 / 98	62 / 203	55 / 180	10.8 / 35
5 th	5,335 / 11,762	43 / 141	-	80 / 262	-	12 / 39



HV SERIES

8,000 - 15,000 lb pulling capacities



• Meet SAE J706 revised AUG2003, CE Machinery Directive 2006/42/EC, and EN 14492-1:2006 Power Driven Winches.

1 Powered by a PTO Device

Adjustable oil flow and pressure allow variable line pull and speed.

2 Extreme Motor

Highly efficient and constant operating torque output.

3 Doubled Failsafe Brakes

Mechanical drag brake and over-center valve provided for holding full load.

4 Outstanding and Elegant Design

Aluminum die cast housings with steel drum.

5 2-stage Planetary Gear Train

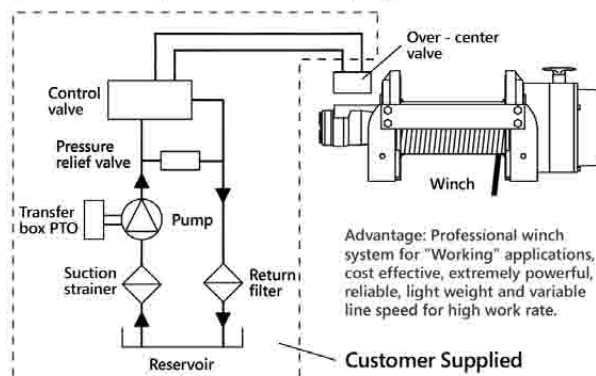
Less gear reduction ratio for maximum rated line speed.

6 Turn Clutch by Ergonomic T-handle for Rapid Wire Rope Payout

Easy to turn the T-handle for rapid wire rope payout and workable for left or right side location.

Compliant with EN 14492-1 requirements for recovery winch:
* The working coefficient for the first rope layer on the drum shall be at least 2.
* The D/d ratio to the center of the rope shall be at least 10 for the drum.
* Drum freeboard shall be at least 1.5 x rope diameter.

Hydraulic System Installation
(Powered by a PTO/power take off unit driven pump)



HV-15 Hydraulic Recovery Winch



PN 686732 Std. drum

PN 687548 Std. drum (Clutch in left side)

* Meet SAE J706 revised AUG2003, CE Machinery Directive 2006/42/EC and EN 14492-1:2006 Power Driven Winches

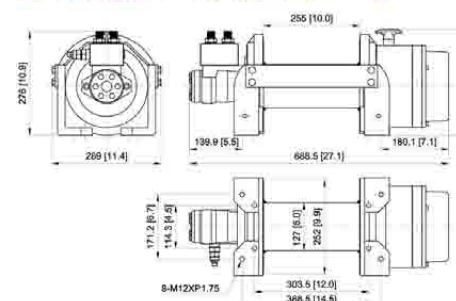
SPECIFICATIONS :

- **Rated line pull** : 6,800 kg (15,000 lb) EN 14492-1 rating & SAE J706 rating
- **Line speed (at 1st layer of rope)** : 9 mpm at 60 l/min (30 fpm at 15.9 g/min)
- **Operation pressure** : 150 bar / 2,175 psi
- **Max oil flow** : 60 l/min (15.9 g/min)
- **Hydraulic motor** : 156 cm³ / rev (9.5 in³ / rev)
- **Gear ratio** : 2-stage planetary gear 19.4:1
- **Winch construction** : Aluminum die cast housings with steel drum
- **Clutch (Freespooling)** : Rotating ring gear
- **Brake** : Spring applied drag brake together with over-center valve supplied
- **Rotation of winch** : Wire rope shall be under-wound orientation only
- **Drum barrel diameter** : 127 mm (5.0")
- **Drum flange diameter** : 252 mm (9.9")
- **Distance between flanges** : 255 mm (10.0")
- **Mounting bolts pattern** : 303.5 x 114.3 mm (12.0" x 4.5")
368.5 x 171.2 mm (14.5" x 6.7")
- **Wire rope recommended** : 14 mm x 27 m (9/16" x 89'), 1,960 N/mm² (EIPS) grade with a minimum breaking strength of 137 kN (30,742 lbf) required for SAE J706 and EN 14492-1 ratings.
- **Winch weight** : 72 kg / 158.7 lb
- **Gross weight** : 88 kg / 194 lb
- **Box dimension** : 715 x 415 x 311 mm (28.1" x 16.3" x 12.2")

PERFORMANCE DATA :

Line Pull and Rope Capacity		Line Speed	
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	at 60 l/min (15.9 g/min), mpm / fpm
1 st	6,800 / 15,000	7.8 / 25.6	9.0 / 30.0
2 nd	5,673 / 12,507	17.3 / 56.8	10.5 / 34.4
3 rd	4,867 / 10,730	27.0 / 89.0	12.3 / 40.4

DIMENSION mm/in : (HV-15)



HV-12 Hydraulic Recovery Winch



PN 684311 Std. drum

PN 685433 Std. drum (Clutch in left side)

* Meet SAE J706 revised AUG2003, CE Machinery Directive 2006/42/EC and EN 14492-1:2006 Power Driven Winches

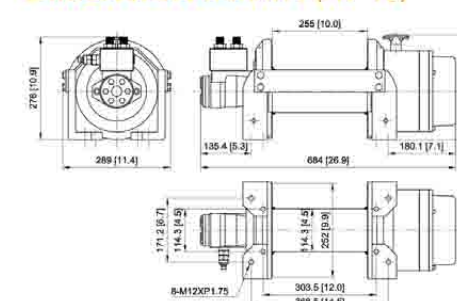
SPECIFICATIONS :

- **Rated line pull** : 5,440 kg (12,000 lb) SAE J706 rating
5,100 kg EN 14492-1 rating
- **Line speed (at 1st layer of rope)** : 10 mpm at 60 l/min (33 fpm at 15.9 g/min)
- **Operation pressure** : 150 bar / 2,175 psi
- **Max oil flow** : 60 l/min (15.9 g/min)
- **Hydraulic motor** : 125 cm³ / rev (7.6 in³ / rev)
- **Gear ratio** : 2-stage planetary gear 19.4:1
- **Winch construction** : Aluminum die cast housings with steel drum
- **Clutch (Freespooling)** : Rotating ring gear
- **Brake** : Spring applied drag brake together with over-center valve supplied
- **Rotation of winch** : Wire rope shall be under-wound orientation only
- **Drum barrel diameter** : 114.3 mm (4.5")
- **Drum flange diameter** : 252 mm (9.9")
- **Distance between flanges** : 255 mm (10.0")
- **Mounting bolts pattern** : 303.5 x 114.3 mm (12.0" x 4.5")
368.5 x 171.2 mm (14.5" x 6.7")
- **Wire rope recommended** : 12 mm x 39 m (1/2" x 128'), 1,960 N/mm² (EIPS) grade with a minimum breaking strength of 100.5 kN (22,552 lbf) required for SAE J706 and EN 14492-1 ratings.
- **Winch weight** : 71 kg / 156.5 lb
- **Gross weight** : 87 kg / 191.8 lb
- **Box dimension** : 715 x 415 x 311 mm (28.1" x 16.3" x 12.2")

PERFORMANCE DATA :

Line Pull and Rope Capacity		Line Speed	
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	at 60 l/min (15.9 g/min), mpm / fpm
1 st	5,440 / 12,000	8.2 / 26.9	10.0 / 33.0
2 nd	4,570 / 10,075	18.0 / 59.1	11.6 / 38.1
3 rd	3,939 / 8,684	29.3 / 96.1	13.5 / 44.3
4 th	3,462 / 7,632	39.0 / 128.0	15.4 / 50.5

DIMENSION mm/in : (HV-12)



HV-10 Hydraulic Recovery Winch



PN 682546 Std. drum

PN 683129 Std. drum (Clutch in left side)

* Meet SAE J706 revised AUG2003, CE Machinery Directive 2006/42/EC and EN 14492-1:2006 Power Driven Winches

SPECIFICATIONS :

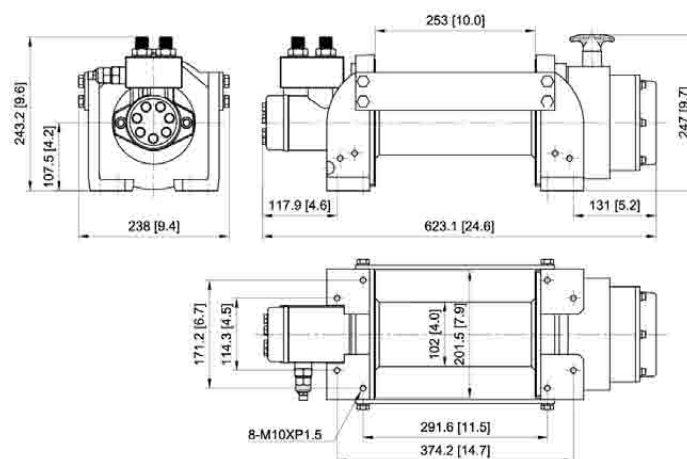
- **Rated line pull** : 4,535 kg (10,000 lb) SAE J706 rating
4,300 kg EN 14492-1 rating
- **Line speed (at 1st layer of rope)** : 14 mpm at 60 l/min (46 fpm at 15.9 g/min)
- **Operation pressure** : 150 bar / 2,175 psi
- **Max oil flow** : 60 l/min (15.9 g/min)
- **Hydraulic motor** : 97.3 cm³ / rev (5.9 in³ / rev)
- **Gear ratio** : 2-stage planetary gear 16:1
- **Winch construction** : Aluminum die cast housings with steel drum
- **Clutch (Freespooling)** : Rotating ring gear
- **Brake** : Spring applied drag brake together with over-center valve supplied
- **Rotation of winch** : Wire rope shall be under-wound orientation only
- **Drum barrel diameter** : 102 mm (4.0")
- **Drum flange diameter** : 201.5 mm (7.9")
- **Distance between flanges** : 253 mm (10")
- **Mounting bolts pattern** : 291.6 x 171.2 mm (11.5" x 6.7")
374.2 x 114.3 mm (14.7" x 4.5")
- **Wire rope recommended** : 11 mm x 27 m (7/16" x 89'), 1,960 N/mm² (EIPS) grade with a minimum breaking strength of 84.4 kN (18,939 lbf) required for SAE J706 and EN 14492-1 ratings.
- **Winch weight** : 37 kg / 81.4 lb
- **Gross weight** : 46.6 kg / 102.5 lb
- **Box dimension** : 665 x 370 x 285 mm (26.2" x 14.6" x 11.2")

PERFORMANCE DATA :

Line Pull and Rope Capacity			Line Speed
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	at 60 l/min (15.9 g/min), mpm / fpm
1 st	4,535 / 10,000	8.0 / 26.2	14.0 / 46.0
2 nd	3,796 / 8,369	17.5 / 57.4	16.3 / 53.5
3 rd	3,264 / 7,196	27.0 / 89.0	19.0 / 62.3



DIMENSION mm/in :



HV-8 Hydraulic Recovery Winch



PN 680816 Std. drum | PN 681091 Long drum

PN 681123 Std. drum (Clutch in left side)

PN 681347 Long drum (Clutch in left side)

* Meet SAE J706 revised AUG2003, CE Machinery Directive 2006/42/EC and EN 14492-1:2006 Power Driven Winches

SPECIFICATIONS :

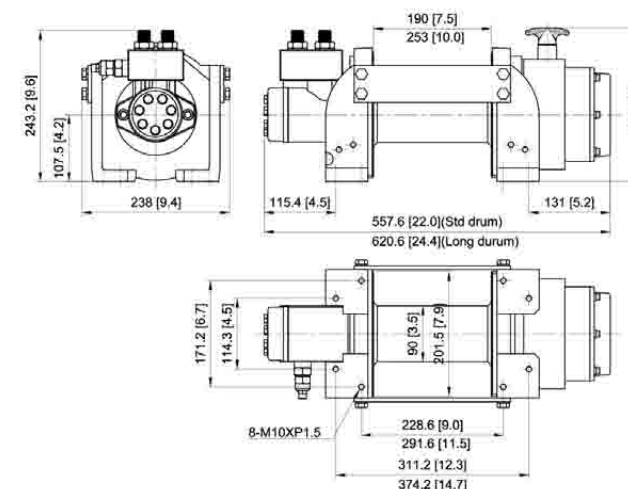
- **Rated line pull** : 3,630 kg (8,000 lb) SAE J706 rating
3,560 kg EN 14492-1 rating
- **Line speed (at 1st layer of rope)** : 15 mpm at 60 l/min (49 fpm at 15.9 g/min)
- **Operation pressure** : 150 bar / 2,175 psi
- **Max oil flow** : 60 l/min (15.9 g/min)
- **Hydraulic motor** : 77.8 cm³ / rev (4.7 in³ / rev)
- **Gear ratio** : 2-stage planetary gear 16:1
- **Winch construction** : Aluminum die cast housings with steel drum
- **Clutch (Freespooling)** : Rotating ring gear
- **Brake** : Spring applied drag brake together with over-center valve supplied
- **Rotation of winch** : Wire rope shall be under-wound orientation only
- **Drum barrel diameter** : 90 mm (3.5")
- **Drum flange diameter** : 201.5 mm (7.9")
- **Distance between flanges** : 190 mm (7.5") - Std. drum / 253 mm (10") - Long drum
- **Mounting bolts pattern** :
Std. drum - 228.6 x 171.2 mm (9.0" x 6.7") ; 311.2 x 114.3 mm (12.3" x 4.5")
Long drum - 291.6 x 171.2 mm (11.5" x 6.7") ; 374.2 x 114.3 mm (14.7" x 4.5")
- **Wire rope recommended** : 10 mm x 30 m (3/8" x 98') for Std. drum and 40 m (131') for long drum, 1,960 N/mm² (EIPS) grade with a minimum breaking strength of 69.8 kN (15,663 lbf) required for SAE J706 and EN 14492-1 ratings.
- **Winch weight** : 35.5 kg / 78.1 lb (Std. drum) ; 37.5 kg / 82.7 lb (Long drum)
- **Gross weight** : 43.3 kg / 95.3 lb (Std. drum) ; 45.3 kg / 99.9 lb (Long drum)
- **Box dimension** : 600 x 370 x 285 mm (23.6" x 14.6" x 11.2") - Std. drum; 665 x 370 x 285 mm (26.2" x 14.6" x 11.2") - Long drum

PERFORMANCE DATA :

Line Pull and Rope Capacity			Line Speed
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	at 60 l/min (15.9 g/min), mpm / fpm
1 st	3,630 / 8,000	5.8 / 19.0	15.0 / 49.0
2 nd	3,025 / 6,669	12.8 / 42.0	17.1 / 56.1
3 rd	2,593 / 5,717	20.9 / 68.6	21.2 / 69.6
4 th	2,269 / 5,002	30 / 98	24.2 / 79.4



DIMENSION mm/in :



YAK SERIES

5,000 - 70,000 lb pulling capacities

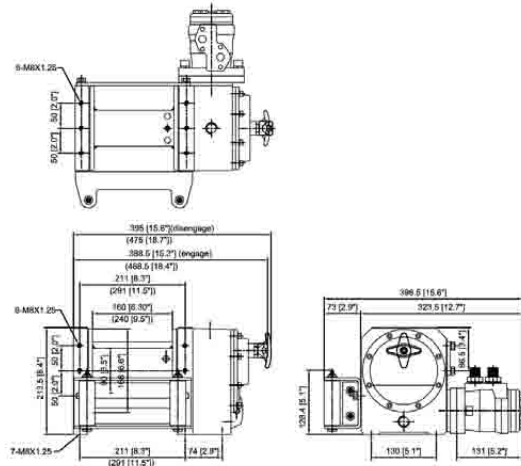
- Powered by an onboard hydraulic pump or PTO
- Fast and variable recovery speeds for high working rate
- High efficient and constant-operating torque motor
- Irreversible single stage worm gear provides instant braking and slip free operation
- An ergonomic T-handle for rapid wire rope payout
- Heavy duty roller fairlead with grease zerk fittings
- EN 14492-1 supported: 10:1 D/d ratio, 2:1 wire rope strength and 1.5d freeboard for severe duty car and commercial recovery
- Standard Compliance : SAE J706, CE Machinery Directive 2006/42/EC, and EN 14492-1:2006 Power Driven Winches.



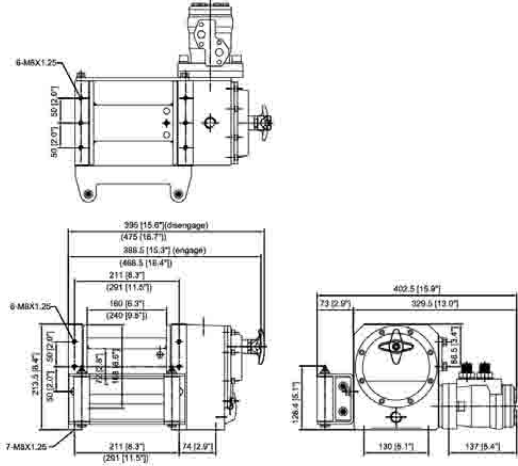
Compliant with EN 14492-1 requirements for recovery winch:

- * The working coefficient for the first rope layer on the drum shall be at least 2,
- * The D/d ratio to the center of the rope shall be at least 10 for the drum.
- * Drum freeboard shall be at least 1.5 x rope diameter.

DIMENSION mm/in : (Yak 7)



DIMENSION mm/in : (Yak 5)



**HYDRAULIC
WORM GEAR WINCH**

Yak 7 Hydraulic Worm Gear Winch



PN 681260 Std. drum | **PN 681266** Long drum

* Meet SAE J706 revised AUG2003, CE Machinery Directive 2006/42/EC and EN 14492-1:2006 Power Driven Winches

SPECIFICATIONS :

- **Rated line pull** : 3,175 kg (7,000 lb) SAE J706 rating
3,200 kg EN 14492-rating
- **Line speed (at 1st layer of rope)** : 5.2 mpm at 40 l/min (17.1 fpm at 10.6 g/min)
- **Operation pressure** : 110 bar / 1,595 psi
- **Max oil flow** : 40 l/min (10.6 g/min)
- **Hydraulic motor** : 48.6 cm³ / rev (3.0 in³ / rev)
- **Gear ratio** : 1-stage worm gear 50:1
- **Winch construction** : Aluminum die cast housings with steel drum
- **Clutch (Freespooling)** : Worm gear disengaged
- **Brake** : Irreversible worm gear
- **Rotation of winch** : Wire rope shall be under-wound orientation only
- **Drum barrel diameter** : 90 mm (3.5")
- **Drum flange diameter** : 168 mm (6.6")
- **Distance between flanges** : 160 mm (6.3") - Std. drum / 240 mm (9.5") - Long drum
- **Mounting bolts pattern** : 130 x 211 mm (5.1" x 8.3") - Std. drum
130 x 291 mm (5.1" x 11.5") - Long drum
- **Wire rope recommended** :
* 10 mm x 10.7m for Std. drum and 16.2 m for Long drum, 1,960N/mm² grade with a minimum breaking strength of 69.8 kN required for EN 14492-1 rating
* 3/8" x 57.4' for Std. drum and 87.3' for Long drum, EIPS grade with a minimum breaking strength of 15,663 lbf required for SAE J706 rating
- **Winch weight** : 29 kg / 63.9 lb (Std. drum) ; 33 kg / 72.8 lb (Long drum)
- **Gross weight** : 33 kg / 72.8 lb (Std. drum) ; 37 kg / 81.6 lb (Long drum)
- **Box dimension** : 431 x 386 x 256 mm (17" x 15.2" x 10.1") - Std. drum
511 x 386 x 256 mm (20.1" x 15.2" x 10.1") - Long drum

PERFORMANCE DATA :

Layer of Wire Rope	Line Pull and Rope Capacity		Line Speed	
	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	at 40 l/min (10.6 g/min),mpm / fpm	
		Std. drum	Long drum	
1 st	3,175 / 7,000	4.9 / 16.1	7.4 / 24.3	5.2 / 17.1
2 nd	2,646 / 5,833	10.7 / 35.1	16.2 / 53.1	6.2 / 20.3
3 rd	2,268 / 5,000	17.5 / 57.4	26.6 / 87.3	7.2 / 23.6

Yak 5 Hydraulic Worm Gear Winch



PN 681330 Std. drum | **PN 681350** Long drum

* Meet SAE J706 revised AUG2003, CE Machinery Directive 2006/42/EC and EN 14492-1:2006 Power Driven Winches

SPECIFICATIONS :

- **Rated line pull** : 2,268 kg (5,000 lb) SAE J706 rating
2,200 kg EN 14492-1 rating
- **Line speed (at 1st layer of rope)** : 4.4 mpm at 45 l/min (14.4 fpm at 11.9 g/min)
- **Operation pressure** : 60 bar / 870 psi
- **Max oil flow** : 45 l/min (11.9 g/min)
- **Hydraulic motor** : 51.7 cm³ / rev (3.2 in³ / rev)
- **Gear ratio** : 1-stage worm gear 50:1
- **Winch construction** : Aluminum die cast housings with steel drum
- **Clutch (Freespooling)** : Worm gear disengaged
- **Brake** : Irreversible worm gear
- **Rotation of winch** : Wire rope shall be under-wound orientation only
- **Drum barrel diameter** : 72 mm (2.8")
- **Drum flange diameter** : 168 mm (6.6")
- **Distance between flanges** : 160 mm (6.3") - Std. drum / 240 mm (9.5") - Long drum
- **Mounting bolts pattern** : 130 x 211 mm (5.1" x 8.3") - Std. drum
130 x 291 mm (5.1" x 11.5") - Long drum
- **Wire rope recommended** :
* 8 mm x 25.5m for Std. drum and 38.6 m for Long drum, 1,960N/mm² grade with a minimum breaking strength of 44.7 kN required for EN 14492-1 rating
* 5/16" x 112.5' for Std. drum and 170.3' for Long drum, EIPS grade with a minimum breaking strength of 10,030 lbf required for SAE J706 rating
- **Winch weight** : 26 kg / 59.3 lb (Std. drum) ; 29 kg / 63.9 lb (Long drum)
- **Gross weight** : 30 kg / 66.1 lb (Std. drum) ; 33 kg / 72.8 lb (Long drum)
- **Box dimension** : 431 x 386 x 256 mm (17" x 15.2" x 10.1") - Std. drum
511 x 386 x 256 mm (20.1" x 15.2" x 10.1") - Long drum

PERFORMANCE DATA :

Layer of Wire Rope	Line Pull and Rope Capacity		Line Speed	
	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	at 45 l/min (11.9 g/min),mpm / fpm	
		Std. drum	Long drum	
1 st	2,268 / 5,000	4.9 / 16.1	7.4 / 24.3	4.4 / 14.4
2 nd	1,890 / 4,167	10.8 / 35.4	16.2 / 53.5	5.3 / 17.4
3 rd	1,620 / 3,571	17.6 / 57.7	26.7 / 87.6	6.1 / 20.0
4 th	1,418 / 3,126	25.5 / 83.7	38.6 / 126.6	7.0 / 23.0
5 th	1,260 / 2,778	34.3 / 112.5	51.9 / 170.3	7.9 / 25.9

ELECTRIC RECOVERY WINCH

COMEUP, as an international brand of winch manufacturer, is aiming to provide a superior product that is inherently safe to operate in all conditions by all users. COMEUP further assures that its industrial winches comply with all European Standards and Directives including but not limited to EN 14492-1. The Machinery Safety regulations and all current Health and Safety regulations. COMEUP Rhino Series winch is designed to comply the above regulation requirements that ensures maximum performance in the toughest environment and is ideal for commercial, industrial and severe duty application.

- ▶ Rhino Series 8,000 ~ 12,000 lb
- ▶ Wolf Series 8,500 ~ 12,000 lb



RHINO SERIES

8,000 - 12,000 lb pulling capacities

- Reliable electric winch for commercial, industrial and severe duty applications
- 10 equally positioned pin holes with a ergonomic T-handle make end housing may be rotated in 36 degree increments
- Hardened steel, 3-stage planetary gear train for efficient and reliable operation
- Waterproof remote control with thermometric LED indicator alerts when the motor is over-heated
- U.S. Germany, U.K. France, etc patented mechanical cone brake holds full load
- Over-load protector build-in the control box prevents the overloading of the winch
- Submersible sealed contactor handles high amps and allows higher duty cycle
- Standard Compliance: CE Machinery Directive 2006/42/EC, CE Electromagnetic Compatibility Directive 2004/108/EC, EN 14492-1:2006 Power Driven Winches and SAE J706

▶ OLP (Over-Load Protector) function

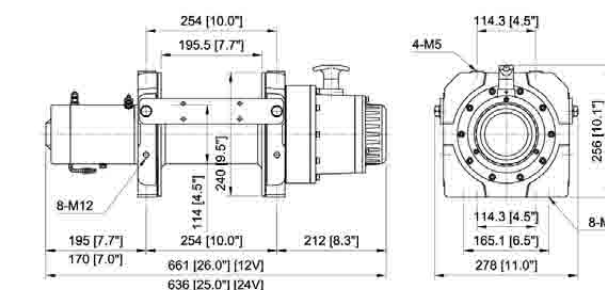
The over-load protector built-in the control box designs to prevent overloading of the winch



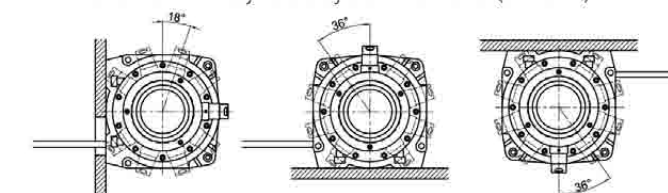
- ▶ Compliant with EN 14492-1 requirements for recovery winch ;
- The working coefficient for the first rope layer on the drum shall be at least 2
- The D/d ratio to the center of the rope shall be at least 10 for the drum.
- Drum freeboard shall be at least 1.5 x rope diameter



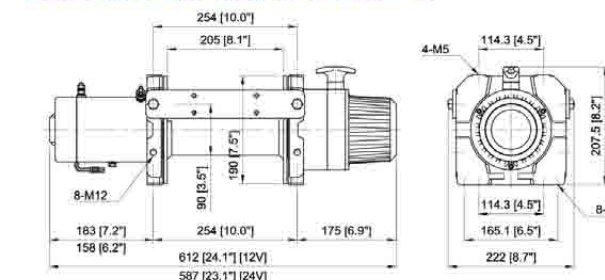
DIMENSION mm/in : (Rhino 12)



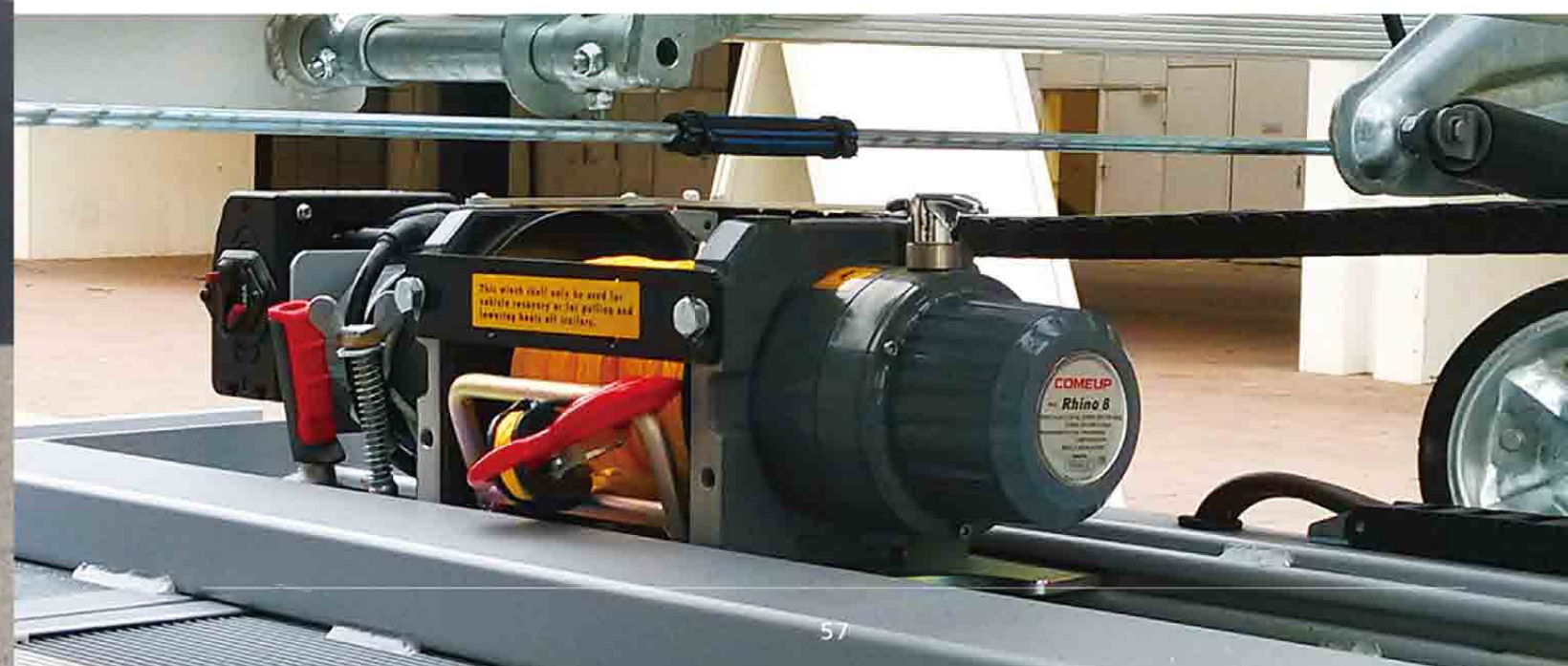
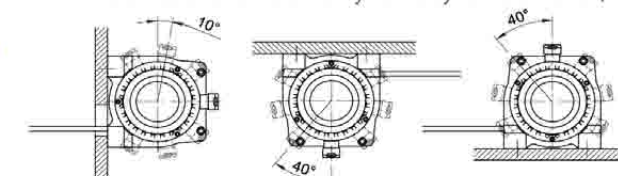
- ▶ 10 equally positioned pin holes ensure seamless clutch transmission and make it easily rotate by 36° Increments. (Rhino 12)



DIMENSION mm/in : (Rhino 8)



- ▶ 9 equally positioned pin holes ensure seamless clutch transmission and make it easy rotate by 40° Increments. (Rhino 8)



Rhino 12 *Electric Recovery Winch*



PN 851212 (12V) | PN 851224 (24V)

* Meet CE Machinery Directive 2006/42/EC, CE Electromagnetic Compatibility Directive 2004/108/EC, EN 14492-1:2006 Power Driven Winches and SAE J706

SPECIFICATIONS :

- **Rated line pull** : 5,440 kg (12,000 lb) SAE J706 rating
5,100 kg EN 14492-1 rating
- **Motor** : 4,180 w / 5.6 hp 12V series wound
2,690 w / 3.6 hp 24V series wound
- **Gear ratio** : 3-stage planetary 315:1
- **Clutch (freespooling)** : Rotating ring gear
- **Brake (outside the drum)** : Automatic, full load CBS (Cone Brake Structure)
- **Winch construction** : Aluminum die cast housings with steel drum
- **Drum size** : 114 x 195.5 mm (4.5" x 7.7")
- **Rotation of winch** : Wire rope shall be under-wound orientation only
- **Control** : Waterproof remote with thermometric indicator LED and 5 m (17') cord
- **Mounting bolts pattern** : 254 x 114 mm (10" x 4.5")
254 x 165 mm (10" x 6.5")
- **Wire rope recommended** :
* 12 mm x 21.4m, 1,960N/mm² grade with a minimum breaking strength of 100.5 kN required for EN 14492-1 rating
* 1/2" x 100', EIPS grade with a minimum breaking strength of 22,552 lbf required for SAE J706 rating
- **Winch weight** : 47 kg / 104 lb
- **Gross weight** : 61 kg / 134 lb
- **Box dimension** : 693 x 313 x 473 mm (27.3" x 12.3" x 18.6")

PERFORMANCE DATA :

Line Pull and Rope Capacity		
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	5,440 / 12,000	5.9 / 19.4
2 nd	4,534 / 9,996	13 / 42.7
3 rd	3,885 / 8,565	21.4 / 70
4 th	3,399 / 7,494	30.5 / 100

Line Speed and Amp. Draw (1 st layer of wire rope on the drum)			
Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A	
		12V	24V
No Load	10 / 32.8	40	35
1,814 / 4,000	4.4 / 14.4	140	110
3,630 / 8,000	3.5 / 11.5	280	210
5,535 / 10,000	1.5 / 5.0	350	260
5,440 / 12,000	1.3 / 4.3	420	310

Rhino 8 *Electric Recovery Winch*



PN 850812 (12V) | PN 850824 (24V)

* Meet CE Machinery Directive 2006/42/EC, CE Electromagnetic Compatibility Directive 2004/108/EC, EN 14492-1:2006 Power Driven Winches and SAE J706

SPECIFICATIONS :

- **Rated line pull** : 3,630 kg (8,000 lb) SAE J706 rating
3,560 kg EN 14492-1 rating
- **Motor** : 3,430 w / 4.6 hp 12V series wound
1,940 w / 2.6 hp 24V series wound
- **Gear ratio** : 3-stage planetary 211:1
- **Clutch (freespooling)** : Rotating ring gear
- **Brake (outside the drum)** : Automatic, full load CBS (Cone Brake Structure)
- **Winch construction** : Aluminum die cast housings with steel drum
- **Drum size** : 90 x 205 mm (3.5" x 8.1")
- **Rotation of winch** : Wire rope shall be under-wound orientation only
- **Control** : Waterproof remote with thermometric indicator LED and 5 m (17') cord
- **Mounting bolts pattern** : 254 x 114 mm (10" x 4.5")
254 x 165 mm (10" x 6.5")
- **Wire rope recommended** :
* 10 mm x 22.6 m, 1,960N/mm² grade with a minimum breaking strength of 69.8 kN required for EN 14492-1 rating
* 3/8" x 100', EIPS grade with a minimum breaking strength of 15,663 lbf required for SAE J706 rating
- **Winch weight** : 31 kg / 68.3 lb
- **Gross weight** : 47 kg / 104 lb
- **Box dimension** : 650 x 260 x 440 mm (25.6" x 10.2" x 17.3")

PERFORMANCE DATA :

Line Pull and Rope Capacity		
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	3,630 / 8,000	6.3 / 20.7
2 nd	3,025 / 6,669	13.8 / 45.3
3 rd	2,593 / 5,717	22.6 / 74
4 th	2,269 / 5,002	30.5 / 100

Line Speed and Amp. Draw (1 st layer of wire rope on the drum)			
Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A	
		12V	24V
No Load	9.0 / 29.5	45	30
907 / 2,000	3.0 / 10	90	30
1,814 / 4,000	1.5 / 5.0	180	120
2,722 / 6,000	1.0 / 3.3	260	180
3,630 / 8,000	0.7 / 2.3	340	230

Wolf 12.0 *Electric Worm Gear Winch*



PN 782478 (12V) | PN 783415 (24V)

SPECIFICATIONS :

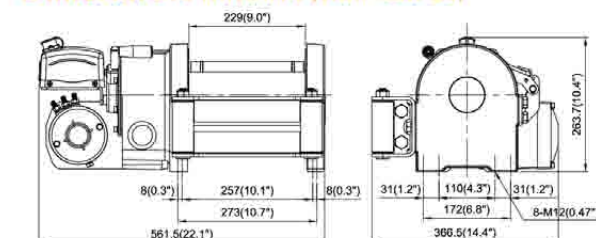
- **Rated line pull** : 5,443 kg (12,000 lb)
- **Motor** : 3,430 w / 4.6 hp 12V series wound
2,240 w / 3.0 hp 24V series wound
- **Gear ratio** : 2-stage spur gear PLUS worm gear 424:1
- **Clutch (freespooling)** : Mechanism lever
- **Brake** : Irreversible worm gear brake PLUS mechanism ratchets wheel brake
- **Drum size** : 89 x 229 mm (3.5" x 9")
- **Control** : Waterproof remote w/5 m (17') cord
- **Rope type** : Galvanized aircraft A7 x 19
- **Rope size** : 9.5 mm x 30.5 m (3/8" x 100')
- **Mounting bolts pattern** : 273 x 110 mm (10.7" x 4.3")
257 x 172 mm (10.1" x 6.8")
- **Winch weight** : 41 kg / 90.4 lb
- **Gross weight** : 51 kg / 112.5 lb
- **Box dimension** : 610 x 427 x 350 mm (24" x 16.8" x 13.8")

PERFORMANCE DATA :

Line Pull and Rope Capacity		
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	5,443 / 12,000	7.3 / 24.0
2 nd	4,563 / 10,060	16.0 / 52.6
3 rd	3,928 / 8,659	26.1 / 85.8
4 th	3,448 / 7,601	30.5 / 100

Line Speed and Amp. Draw (1 st layer of wire rope on the drum)			
Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A	
		12V	24V
No Load	6.3 / 20.3	70	40
2,722 / 6,000	2.7 / 8.9	180	85
3,630 / 8,000	1.7 / 5.6	270	120
4,535 / 10,000	1.4 / 4.6	310	150
5,443 / 12,000	1.0 / 3.3	350	190

DIMENSION mm/in : (Wolf 12.0/8.5)



Wolf 8.5 *Electric Worm Gear Winch*



PN 780254 (12V) | PN 780988 (24V)

SPECIFICATIONS :

- **Rated line pull** : 3,856 kg (8,500 lb)
- **Motor** : 3,430 w / 4.6 hp 12V series wound
1,940 w / 2.6 hp 24V series wound
- **Gear ratio** : 2-stage spur gear PLUS worm gear 228.9:1
- **Clutch (freespooling)** : Mechanism lever
- **Brake** : Irreversible worm gear brake PLUS mechanism ratchets wheel brake
- **Drum size** : 82 x 229 mm (3.2" x 9")
- **Control** : Waterproof remote w/5 m (17') cord
- **Rope type** : Galvanized aircraft A7 x 19
- **Rope size** : 8.0 mm x 45 m (5/16" x 150')
- **Mounting bolts pattern** : 273 x 110 mm (10.7" x 4.3")
257 x 172 mm (10.1" x 6.8")
- **Winch weight** : 40 kg / 88.2 lb
- **Gross weight** : 51 kg / 112.5 lb
- **Box dimension** : 610 x 427 x 350 mm (24" x 16.8" x 13.8")

PERFORMANCE DATA :

Line Pull and Rope Capacity		
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	3,856 / 8,500	8.0 / 26.4
2 nd	3,279 / 7,229	17.5 / 57.4
3 rd	2,853 / 6,289	28.4 / 93.1
4 th	2,524 / 5,566	40.7 / 133.4
5 th	2,264 / 4,991	45.0 / 150.0

Line Speed and Amp. Draw (1 st layer of wire rope on the drum)			
Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw, A	
		12V	24V
No Load	10.6 / 34.8	55	40
907 / 2,000	4.3 / 14.1	120	70
1,814 / 4,000	3.0 / 9.8	200	100
2,722 / 6,000	2.4 / 7.9	255	130
3,630 / 8,000	2.0 / 6.6	320	160
3,856 / 8,500	1.8 / 5.9	350	170

- Wolf Series meet SAE J706, CE Machinery Directive 2006/42/EC, CE Electromagnetic Compatibility Directive 2001/108/EC

HEAVY DUTY HOIST

GTD Series

- Provides an answer to the health and safety recommendations for manual lifting
- High efficient low amp. draw and sealed permanent magnet motor
- Lightweight and compact design is ideal for easy installation
- Waterproof industrial remote control with 5 m lead
- Full metal 3 stage planetary gear train for greater pulling force
- Submersible sealed contactor handles high amps and allows higher duty cycle
- In compliance with standard of ANSI B30.5 for D/d ≥ 18 and rope safety factor ≥ 3.5
- Meet CE Machinery Directive 2006/42/EC, CE EMC Directive 2004/108/EC and ANSI B30.5



GTD-2800 Heavy Duty Hoist



PN 753022 (12V) | PN 753033 (24V)
PN 753002 (12V) w/o controls and rope assembly
PN 753003 (24V) w/o controls and rope assembly

SPECIFICATIONS :

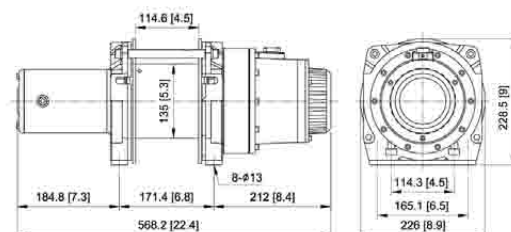
- **Rated line lift** : 1,270 kg (2,800 lb)
- **Line speed (at 1st layer of rope)** :
12V : 4.6 mpm / 15.1 fpm 25 A at no load
3.0 mpm / 9.8 fpm 140 A at full load
24V : 6.0 mpm / 19.7 fpm 22 A at no load
4.4 mpm / 14.4 fpm 100 A at full load
- **Motor** : 2,830 w / 3.8 hp 12V permanent magnet
1,940 w / 2.6 hp 24V permanent magnet
- **Gear ratio** : 3-stage planetary 261:1
- **Brake (outside the drum)** : Mechanical cone brake and permanent motor dynamic brakes together
- **Winch construction** : Aluminum die cast housings and steel drum
- **Drum size** : 135 x 114.6 mm (5.3" x 4.5")
- **Control** : Remote control with 5 m (17') lead
- **Rope type** : Galvanized aircraft A7 x 19
- **Rope size** : 7.9 mm x 28 m (5/16" x 92')
- **Mounting bolts pattern** : 114.3 x 171.4 mm (4.5" x 6.8")
165.1 x 171.4 mm (6.5" x 6.8")
- **Hoist weight (including rope)** : 48.1 kg / 106 lb
- **Gross weight** : 54.8 kg / 120.8 lb
- **Box dimension** : 620 x 360 x 260 mm (24.4" x 14.2" x 10.2")

PERFORMANCE DATA :

Line Lift and Rope Capacity					
Layer of Wire Rope	Load by Layer, kg / lb	Line Speed mpm / fpm		Total Rope on the Drum, m / ft	
		12V	24V		
1 st	1,270 / 2,800	3.0 / 9.8	4.4 / 14.4	6.3 / 20.7	
2 nd	1,144 / 2,522	3.1 / 10.2	4.9 / 16.1	13.3 / 43.6	
3 rd	1,040 / 2,292	3.4 / 11.2	5.4 / 17.7	21 / 68.6	
4 th	954 / 2,103	3.7 / 12.1	5.8 / 19.0	28 / 92	

Line Speed and Amp. Draw (1 st layer of wire rope on the drum)							
Line Lift kg / lb	Line Speed mpm / fpm		Amp. Draw, Percentage Duty Cycle		Min / 10 min		
	12V	24V	12V	24V	12V	24V	
No Load	4.6 / 15.1	6.0 / 19.7	25	22	Cont.	Cont.	
227 / 500	4.2 / 13.8	5.7 / 18.7	40	30	9.0	7.0	
454 / 1,000	3.9 / 12.8	5.5 / 18.0	65	45	7.0	4.5	
680 / 1,500	3.6 / 11.8	5.3 / 17.4	85	60	5.0	3.0	
907 / 2,000	3.3 / 10.8	4.6 / 15.1	100	80	3.5	2.5	
1,270 / 2,800	3.0 / 9.8	4.4 / 14.4	140	100	2.5	2.0	

DIMENSION mm/in



GTD-2200 Heavy Duty Hoist



PN 752103 (12V) | PN 752104 (24V)
PN 752003 (12V) w/o controls and rope assembly
PN 752004 (24V) w/o controls and rope assembly

SPECIFICATIONS :

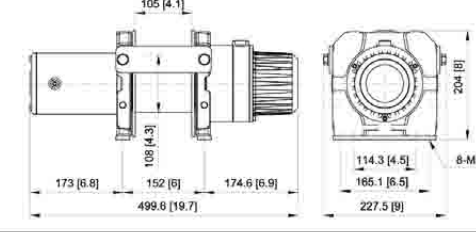
- **Rated line lift** : 998 kg (2,200 lb)
907 kg (2,000 lb) ANSI B30.5 rating
- **Line speed (at 1st layer of rope)** :
12V : 4.5 mpm / 14.8 fpm 25 A at no load
3.5 mpm / 11.5 fpm 120 A at full load
24V : 5.8 mpm / 19 fpm 18 A at no load
5.0 mpm / 16.4 fpm 90 A at full load
- **Motor** : 2,830 w / 3.8 hp 12V permanent magnet
1,940 w / 2.6 hp 24V permanent magnet
- **Gear ratio** : 3-stage planetary 211:1
- **Brake (outside the drum)** : Mechanical cone brake and permanent motor dynamic brakes together
- **Winch construction** : Aluminum die cast housings and steel drum
- **Drum size** : 108 x 105 mm (4.3" x 4.1")
- **Control** : Remote control with 5 m (17') lead
- **Rope type** : Galvanized aircraft A7 x 19
- **Rope size** : 6.3 mm x 30 m (1/4" x 100')
- **Mounting bolts pattern** : 114.3 x 152 mm (4.5" x 6")
165.1 x 152 mm (6.5" x 6")
- **Hoist weight (including rope)** : 33.9 kg / 74.7 lb
- **Gross weight** : 39.5 kg / 87.1 lb
- **Box dimension** : 518 x 341 x 240 mm (20.4" x 13.4" x 9.4")

PERFORMANCE DATA :

Line Lift and Rope Capacity					
Layer of Wire Rope	Load by Layer, kg / lb	Line Speed mpm / fpm		Total Rope on the Drum, m / ft	
		12V	24V		
1 st	998 / 2,200	3.5 / 11.5	5.0 / 16.4	5.6 / 18.4	
2 nd	898 / 1,980	3.8 / 12.5	5.5 / 18.0	11.8 / 38.7	
3 rd	816 / 1,799	4.2 / 13.8	6.1 / 20.0	18.7 / 61.4	
4 th	747 / 1,647	4.6 / 15.1	6.6 / 21.6	26.2 / 86	
5 th	689 / 1,519	5.0 / 16.4	7.2 / 23.6	30 / 100	

Line Speed and Amp. Draw (1 st layer of wire rope on the drum)							
Line Lift kg / lb	Line Speed mpm / fpm		Amp. Draw, Percentage Duty Cycle		Min / 10 min		
	12V	24V	12V	24V	12V	24V	
No Load	4.5 / 14.8	5.8 / 19.0	25	18	Cont.	Cont.	
181 / 400	4.2 / 13.8	5.7 / 18.7	40	25	Cont.	8.0	
362 / 800	4.0 / 13.1	5.6 / 18.4	60	35	8.0	6.0	
544 / 1,200	3.8 / 12.5	5.5 / 18	75	55	6.0	4.0	
771 / 1,700	3.6 / 11.8	5.3 / 17.4	90	70	4.5	3.0	
998 / 2,200	3.5 / 11.5	5.0 / 16.4	120	90	3.0	2.0	

DIMENSION mm/in



GTD-1200 Heavy Duty Hoist



PN 751321 (12V) | PN 751375 (24V)
PN 751220 (12V) w/o controls and rope assembly
PN 751265 (24V) w/o controls and rope assembly

SPECIFICATIONS :

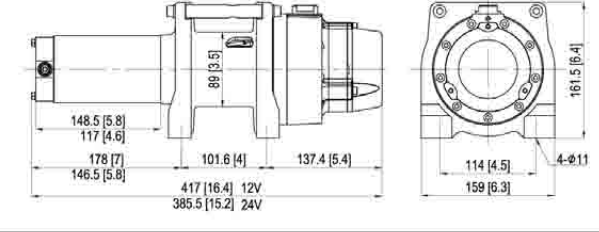
- **Rated line lift** : 544 kg (1,200 lb)
- **Line speed (at 1st layer of rope)** :
12V : 7.4 mpm / 24.3 fpm 30 A at no load
5.5 mpm / 18.0 fpm 130 A at full load
24V : 5.9 mpm / 19.4 fpm 15 A at no load
5.0 mpm / 16.4 fpm 50 A at full load
- **Motor** : 900 w / 1.2 hp 12/24V permanent magnet
- **Gear ratio** : 3-stage planetary 216:1
- **Brake (outside the drum)** : Mechanical cone brake and permanent motor dynamic brakes together
- **Winch construction** : Aluminum die cast housing with cast iron drum
- **Drum size** : 89 x 73 mm (3.5" x 2.9")
- **Control** : Remote control with 5 m (17') lead
- **Rope type** : Galvanized aircraft A7 x 19
- **Rope size** : 4.8 mm x 18.3 m (3/16" x 60')
- **Mounting bolts pattern** : 114 x 101.6 mm (4.5" x 4")
- **Hoist weight (including rope)** : 15.3 kg / 33.7 lb
- **Gross weight** : 20.2 kg / 44.5 lb
- **Box dimension** : 504 x 214 x 363 mm (19.8" x 8.4" x 14.3")

PERFORMANCE DATA :

Line Lift and Rope Capacity				
Layer of Wire Rope	Load by Layer, kg / lb	Line Speed mpm / fpm	Total Rope on the Drum, m / ft	
1 st	544 / 1,200	5.5 / 18	4.2 / 13.8	
2 nd	494 / 1,089	6.1 / 19.9	8.8 / 28.9	
3 rd	452 / 996	6.6 / 21.7	13.8 / 45.3	
4 th	416 / 917	7.2 / 23.6	18.3 / 60	

Line Speed and Amp. Draw (1 st layer of wire rope on the drum)					
Line Lift kg / lb	Line Speed mpm / fpm		Amp. Draw, Percentage Duty Cycle		Min / 10 min
	12V	24V	12V	24V	
No Load	7.4 / 24.3	5.9 / 19.4	30	15	2.5
136 / 300	6.9 / 22.6	5.7 / 18.7	55	19	2.3
272 / 600	6.4 / 21.0	5.5 / 18.0	75	25	2.0
408 / 900	5.9 / 19.4	5.2 / 17.1	95	36	1.8
544 / 1,200	5.5 / 18.0	5.0 / 16.4	130	50	1.5

DIMENSION mm/in



GTD-800 Heavy Duty Hoist



PN 750925 (12V) | PN 750955 (24V)
PN 750888 (12V) w/o controls and rope assembly
PN 750898 (24V) w/o controls and rope assembly

SPECIFICATIONS :

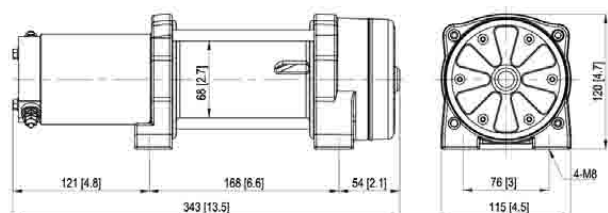
- **Rated line lift :** 362 kg (800 lb)
- **Line speed (at 1st layer of rope) :**
12V : 3.6 mpm / 11.8 fpm 20 A at no load
3.2 mpm / 10.5 fpm 55 A at full load
24V : 4.2 mpm / 13.8 fpm 15 A at no load
4.0 mpm / 13.1 fpm 35 A at full load
- **Motor :** 800 w / 1.0 hp 12/24V permanent magnet
- **Gear ratio :** 3-stage planetary 191:1
- **Brake :** Mechanical spring applied and permanent motor dynamic brakes together
- **Winch construction :** Aluminum die cast housings and drum
- **Drum size :** 68 x 119 mm (2.7" x 4.7")
- **Control :** Remote control with 5 m (17') lead
- **Rope type :** Galvanized aircraft A7 x 19
- **Rope size :** 4.0 mm x 18.3 m (5/32" x 60')
- **Mounting bolts pattern :** 168 x 76 mm (6.6" x 3")
- **Hoist weight (including rope) :** 8.3 kg / 18.3 lb
- **Gross weight :** 12.2 kg / 26.9 lb
- **Box dimension :** 430 x 170 x 300 mm (16.9" x 6.7" x 11.8")

PERFORMANCE DATA :

Line Lift and Rope Capacity			
Layer of Wire Rope	Load by Layer, kg / lb	Line Speed mpm / fpm	Total Rope on the Drum, m / ft
1 st	362 / 800	3.2 / 10.5	6.6 / 21.7
2 nd	327 / 721	3.6 / 11.8	14.0 / 45.9
3 rd	297 / 655	3.9 / 12.8	18.3 / 60

Line Speed and Amp. Draw (3 rd layer of wire rope on the drum)					
Line Lift kg / lb	Line Speed mpm / fpm		Amp. Draw, A		Percentage Duty Cycle Min / 10 min
	12V	24V	12V	24V	
No Load	3.6 / 11.8	4.2 / 13.8	20	15	3.0
181 / 400	3.4 / 11.2	4.1 / 13.5	40	25	2.0
362 / 800	3.2 / 10.5	4.0 / 13.1	55	35	1.5

DIMENSION mm/in :



GTD-650 Heavy Duty Hoist



PN 750265 (12V) | PN 750280 (24V)
PN 750160 (12V) w/o controls and rope assembly
PN 750188 (24V) w/o controls and rope assembly

SPECIFICATIONS :

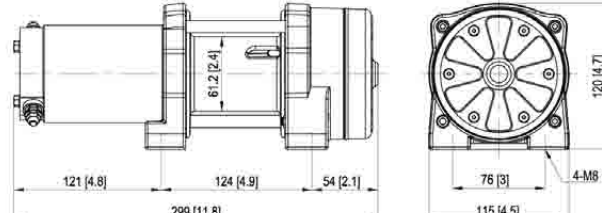
- **Rated line lift :** 295 kg (650 lb)
- **Line speed (at 1st layer of rope) :**
12V : 4.3 mpm / 14.1 fpm 25 A at no load
4.0 mpm / 13.1 fpm 55 A at full load
24V : 5.0 mpm / 16.4 fpm 15 A at no load
4.6 mpm / 15.1 fpm 30 A at full load
- **Motor :** 800 w / 1.0 hp 12/24V permanent magnet
- **Gear ratio :** 3-stage planetary 138.5:1
- **Brake :** Mechanical spring applied and permanent motor dynamic brakes together
- **Winch construction :** Aluminum die cast housings and drum
- **Drum size :** 61.2 x 75 mm (2.4" x 3.0")
- **Control :** Remote control with 5 m (17') lead
- **Rope type :** Galvanized aircraft A7 x 19
- **Rope size :** 3.6 mm x 18.3 m (9/64" x 60')
- **Mounting bolts pattern :** 124 x 76 mm (4.9" x 3")
- **Hoist weight (including rope) :** 7.7 kg / 17 lb
- **Gross weight :** 11.6 kg / 25.6 lb
- **Box dimension :** 390 x 170 x 300 mm (15.4" x 6.7" x 11.8")

PERFORMANCE DATA :

Line Lift and Rope Capacity			
Layer of Wire Rope	Load by Layer, kg / lb	Line Speed mpm / fpm	Total Rope on the Drum, m / ft
1 st	295 / 650	4.0 / 13.1	4.1 / 13.5
2 nd	266 / 586	4.5 / 14.8	8.7 / 28.5
3 rd	241 / 531	4.9 / 16	13.8 / 45.3
4 th	221 / 487	5.4 / 17.7	18.3 / 60

Line Speed and Amp. Draw (3 rd layer of wire rope on the drum)					
Line Lift kg / lb	Line Speed mpm / fpm		Amp. Draw, A		Percentage Duty Cycle Min / 10 min
	12V	24V	12V	24V	
No Load	4.3 / 14.1	5.0 / 16.4	25	15	3.0
147 / 320	4.2 / 13.8	4.8 / 15.7	45	22	2.0
295 / 650	4.0 / 13.1	4.6 / 15.1	55	30	1.5

DIMENSION mm/in :



Wireless Remote Control

2.4 GHz within 27 m (90'), complete set including wireless transmitter, wireless receiver, switch cord with plug, battery and handle strap

PN 880609 RF-24A w/3 ping plug for GTD-650/800/1200, Wolf 8.5/12.0
PN 881262 RF-24C w/6 pin plug for Rhino 8/12, GTD-2200/2800

Remote Control

PN 880025 for GTD-650/800/1200/2200/2800, Wolf 8.5/12.0
PN 880126 for Rhino 8/12 (coming with protective thermal sensor LED)

Sealed Contactor

PN 881357 (12V) / PN 881358 (24V)
250A, for GTD-650/800/1200
PN 881355 (12V) / PN 81356 (24V)
400 A, for Wolf 8.5/12.0, Rhino 8/12, GTD-2200/2800

Detachable Control Box

PN 881581 (12V) / PN 881582 (24V) for Rhino 8, w/built-in over-load protector
PN 881645 (12V) / PN 881646 (24V) for Rhino 12, w/built-in over-load protector
PN 880340 (12V) / PN 880341 (24V) for Wolf 8.5/12.0
PN 882313 (12V) / PN 882314 (24V) for GTD-650/800/1200
PN 882360 (12V) / PN 882361 (24V) for GTD-2200/2800

Roller Fairlead

PN 880160 179 mm throat for HV-8 Std. drum, Bison 20/30 Std. drum
PN 880180 245 mm throat for HV-8 Long drum, HV-10/12/15
PN 880023 210 mm throat for Wolf 8.5/12.0
PN 882481 179 mm throat for Rhino 8/12
PN 881479 149 mm throat for Yak 5/7 Std. drum
PN 881480 229 mm throat for Long drum
PN 882238 330 mm throat for Bison 20/30 Long drum

Snatch Block

PN 881079 Max. load 10,000 kg / 22,000 lb for Yak 5/7, GTD-650/800/1200/2200/2800
PN 881082 Max. load 13,610 kg / 30,000 lb for HV-8/10/12, Wolf 8.5/12.0, Rhino 8/12

Wire Rope with Hook

PN 881239 8.0 mm x 45 m (5/16" x 150') for Wolf 8.5
PN 880106 9.5 mm x 30.5 m (3/8" x 100') for Wolf 12.0
PN 882323 3.6 mm x 18.3 m (9/64" x 60') for GTD-650
PN 882321 4.0 mm x 18.3 m (5/32" x 60') for GTD-800
PN 881245 4.8 mm x 18.3 m (3/16" x 60') for GTD-1200
PN 881149 6.3 mm x 30.5 m (1/4" x 100') for GTD-2200
PN 882404 7.9 mm x 28 m (5/16" x 92') for GTD-2800

Battery Isolation Switch PN 881097

2 Position Off-On 12V 500 Amp for Rhino 8/12, Wolf 8.5/12.0, GTD-650/800/1200/2200/2800

Cable Tensioner

PN 881983 for Bison 20/30 Std. drum
PN 882195 for Bison 20/30 Long drum
PN 881238 for HV-8 Std. drum, Rhino 12
PN 880179 for HV-8 Long drum, HV-10/12/15
PN 881236 for Yak 5/7 Std. drum
PN 881237 for Yak 5/7 Long drum
PN 881667 for Rhino 8
PN 880358 for Wolf 8.5/12.0

Air Clutch

PN 880181 for HV-8/10
PN 882352 for HV-12/15

Extended Clutch Kit

PN 881314 for HV-8/10/12/15

Over Center Valve

PN 880145 70-210 bar setting for HV-8/10/12/15

Winch Accessory Kit

Heavy Duty Kit

Part Number: PN 882068 for Badger 8/10/12
Designed for winch single line capacity to 6,803 kg / 15,000 lb
Includes:
• 13,610 kg / 30,000 lb maximum capacity snatch block, PN 881082
• 100 mm x 2.4 m (4" x 8') tree trunk protector strap, PN 881091
• 75 mm x 9 m (3" x 30') recovery strap rated to 9,800 kg/21,600 lb, PN 881090
• Bow shackle, 20 mm (3/4") pin diameter, PN 881092
• 3 m of 8 mm (10' of 5/16") grade 70 choker chain with hooks, PN 881096
• Recovery damper, PN 881557
• Leather gloves, PN 881558
• Duffel bag, PN 881661



Emergency Stop Switch, PN 881668 400A

Industrial Winch Accessories Chart

Series		Hydraulic Recovery Winch							
Model Number		Bison 30	Bison 20	HV-15	HV-12	HV-10	HV-8	Yak 7	Yak 5
Gear train		Planetary gears						Worm gears	
Rated line pull	SAE J706 rating	13,600 kg / 30,000 lb	9,070 kg / 20,000 lb	6,800 kg / 15,000 lb	5,440 kg / 12,000 lb	4,535 kg / 10,000 lb	3,630 kg / 8,000 lb	3,175 kg / 7,000 lb	2,268 kg / 5,000 lb
	EN 14492-1rating	-	9,070 kg	6,800 kg	5,100 kg	4,300 kg	3,560 kg	3,200 kg	2,200 kg
Over/center valve		●	●	●	●	●	●	●	●
Roller fairlead	for Std. drum	●	●	●	●	●	●	●	●
	for Long drum	●	●	-	-	-	●	●	●
Cable tensioner	for Std. drum	●	●	⊙	⊙	⊙	⊙	⊙	⊙
	for Long drum	●	●	-	-	-	⊙	⊙	⊙
Air clutch		built-in	built-in	⊙	⊙	⊙	⊙	-	-
Snatch block		-	-	-	⊙	⊙	⊙	⊙	⊙

Series		Electric recovery Winch					Heavy Duty Hoist				
Model Number		Rhino 12	Rhino 8	Wolf 12.0	Wolf 8.5	GTD-2800	GTD 2200	GTD-1200	GTD-800	GTD-650	
Gear train		Planetary gears		Worm gears		Planetary gears					
Rated line pull or lift	SAE J706 rating	5,440 kg / 12,000 lb	3,630 kg / 8,000 lb	5,443 kg / 12,000 lb	3,856 kg / 8,500 lb	1,270 kg / 2,800 lb	998 kg / 2,200 lb	544 kg / 1,200 lb	362 kg / 800 lb	295 kg / 650 lb	
	EN 14492-1rating	5,100 kg	3,560 kg	-	-	-	-	-	-	-	
Remote control		●	●	●	●	●	●	●	●	●	
Control box	12V	●	●	●	●	●	●	●	●	●	
	24V	●	●	●	●	●	●	●	●	●	
Wire rope w/hook		⊙	⊙	●	●	●	●	●	●	●	
Roller fairlead		●	●	●	●	-	-	-	-	-	
Battery lead		●	●	●	●	●	●	●	●	●	
Cable tensioner		⊙	⊙	●	●	-	-	-	-	-	
Snatch block		⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	

● Means as a standard accessory / ⊙ Means as an option accessory



ENGINEERING DATA

Maximum Line Pull

This is the maximum dead-weight the winch could lift off the ground with a single line on the first layer of wire rope on the drum. They are not suitable for vertical lifting.

Winching Principles

You need a winch to be powerful enough to pull your vehicle while overcome the added resistance caused by the obstacle, moving water, mud, snow, sand or on a steep hill. As a general guide you need a winch with a maximum line pull of at least 1.5 times greater than the gross vehicle weight. There are three factors have influenced with the line pull effect required to recover the vehicle. The values and calculations in this section are approximate and are for reference only.

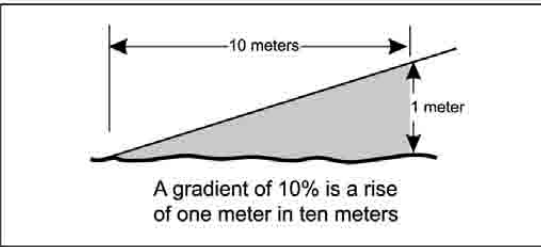
1. **Gross Vehicle Weight (Wt):** Contains the vehicle weight and the weight of the supplies and equipments carried.

2. **Surface Drag (S):** The characteristics of the terrains or surface to be traversed

Surface Type	Metal	Sand	Gravel	Soft Sand	Mud	Marsh	Clay
Surface Drag (S)	0.15	0.18	0.20	0.22	0.32	0.52	0.52

3. **Gradient Resistance:** The incline of grade or slope on which the vehicle is being moved.

Gradient	5%	10%	20%	30%	50%	70%	100%
Angle (ref.)	3°	6°	11°	17°	26°	35°	45°
Gradient (G)	0.06	0.11	0.2	0.3	0.44	0.58	0.71

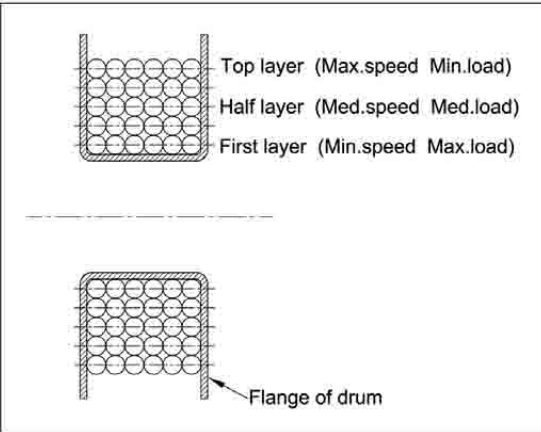


Rolling Pull Effect Required = (Wt x S) + (Wt x G)
For example, if a vehicle weighing 3,000 kg is winched up an incline by 100% on the marsh road, the above formula would be used as follows:
Where

Wt : 3,000 kg (gross vehicle weight)
S : 0.52 (co-efficient for marsh)
G : 0.71 (gradient value of 100%)
(Wt x S) + (Wt x G) = (3,000 kg x 0.52) + (3,000 kg x 0.71)
= 1,560 kg + 2,130 kg = 3,690 kg of effect required to recover the vehicle

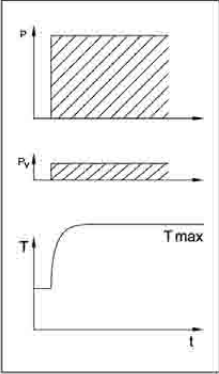
Load Rating

Load and speed varies according to how much wire rope is on the drum. The first layer of rope on the drum delivers the slowest speed and the maximum load. The top layer of rope on the drum delivers the maximum speed and the minimum load. For this reason, all AUTOMOTIVE, POWERSPORTS and INDUSTRIAL winches are rated at their first layer capacities.



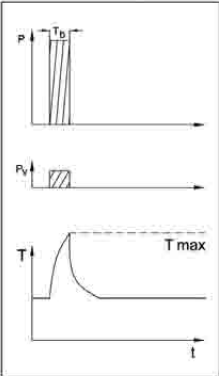
DUTY CYCLE RATINGS

S1 Continuous Duty



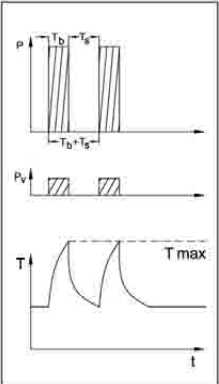
The motor works at a constant load for enough time to reach temperature equilibrium
P load
Pv electrical losses
T temperature

S2 Short Time Duty



The motor works at a constant load, but not long enough to reach temperature equilibrium, and the rest periods are long enough for the motor to reach ambient temperature
Examples: S2 – 60 min (The time means 60 minutes rating)
Tmax maximum temperature
Tb time of operation

S3 Intermittent Periodic Duty



Sequential, identical run and rest cycles with constant load. Temperature equilibrium is never reached. Starting current has little effect on temperature rise.
Example: S3 - 5% (The percent figure refers to the cyclic duration factor)
Tb time of operation
Ts time of rest

$$ED\% = \frac{T_b}{T_b + T_s} \times 100\%$$

Tb + Ts = approximately 1 to 10 minutes

For this reason, all Automotive, Industrial and Powersports winches are rated at S3 Intermittent periodic duty.

Warning

- Winches / Hoists are not to be used for the lifting or moving of persons.
- The rated line pull / lifting load shown is based on the first layer of rope on the drum.
- The rope winding on the drum shall remain 5 wraps of wire rope and 10 wraps of synthetic rope on the drum to support the rated load.

Warranty Statement

- Each new winch is guaranteed against defects in workmanship and material defects for a stipulated period from date of purchase.
- Automotive Winch : Limited lifetime warranty for mechanical components
One (1) year warranty for electrical components
Seal Gen2 Series Winch a three (3) years warranty for electrical components
- Powersports Winch : Limited lifetime warranty for mechanical components
One (1) year warranty for electrical components
- Industrial Winch : One (1) year warranty for any components

WIRE/SYNTHETIC ROPES ARE NOT INCLUDED UNDER WARRANTY.