

## Warn Winches

*As the photos you see on these pages testify, there's hardly a strip of land on this planet that can't be accessed by vehicles that go prepared. Swamps. Boulder fields. Volcanoes. You name it, Warn winches have helped off-roaders escape it.*

*If there is a cutting edge in off-road recovery products, Warn continuously finds itself there. It's a reputation we've worked hard to cultivate. And one which is upheld*

*again this year. With a stunning array of ultra-dependable, high quality, high speed winches.*

*Quite simply, when a better winch is to be built, Warn will build it. Period. We make it a point to listen to what people are saying in the field, and address their needs in our products. It pretty much boils down to fast line speed on take up and retrieval. And reliability. After all, who wants to be the last one to head for home without a Warn Winch?*

### HS9500i Self-Recovery Winch

The High Speed 9500i is a hit after its first year. This special planetary gear train design achieves the perfect balance of speed and efficiency. You get fast retrieval across the full work range. Optimum torque. A brute of a winch.

47550 (12V DC), 475502 (12V DC, CE)



**INTEGRATED CONTROL PACK**  
The Warn i series features an all metal housing, which protects the winch's electrical components the way a roll cage protects you.

**REMOTE CONTROL**  
Allows operation from a safe distance.

### XD9000i Self-Recovery Winch

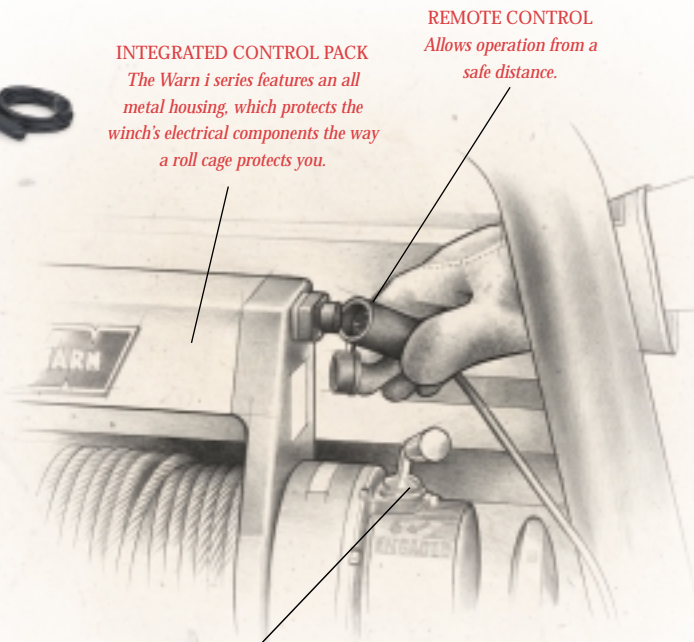
You'll probably see more XD9000i winches on trail rigs than any other winch. No load line speed of 38-feet per minute and three-stage planetary gearing are just a few reasons why. It's also a terrific fit in a hidden mounting system.

PN 27550 (12V DC)  
275502 (12V DC, CE)  
274022 (24V DC, CE)

### X8000i Self-Recovery Winch

Little brother of the XD9000i, with many of the same features. With its 4.8 hp Series Wound™ motor and our proven three-stage planetary gearing, it delivers a no-load line retrieval speed of 42 feet per minute. The full-load pull rate is over 8 ft. per minute. Plus its integrated control pack and direct drive cone braking system are reliable and quiet.

PN 28401 (12V DC), 284012 (12V DC, CE)



**CLUTCH LEVER**  
Simple operation. Select engaged or free spool.



### M12000 Self-Recovery Winch

For heavy-duty winching needs, this winch is a champion work-horse. Big torque, power and quick no-load retrieval speed is 30 feet per minute. Its design is low profile, so it'll fit where you want. And it's powered by the 4.6 hp Series Wound™ motor and our proven three-stage planetary gear train. With 125 ft. of 3/8" wire rope, the M12000 can solve most any pulling problem.

PN 17801 (12V DC),

PN 178012 (12V DC, CE), PN 265072 (24V DC, CE)



### HS9500 Self-Recovery Winch

The same performance characteristics as the HS9500i in a low profile. The 4.6-hp series wound electric motor takes up the wire rope at a no load speed of 62 feet per minute to get you back on the trail fast.

PN 48500 (12V DC), 485002 (12V DC, CE)



### XD9000 Self-Recovery Winch

A long-time best seller, the XD9000's compact body and separate control pack lets it work effectively in very tight spaces. It uses the 4.6 hp Series Wound™ motor and three-stage planetary gearing offered on most of our winches, so torque and line speed are outstanding. A quiet, double-durable winch, pure and simple.

PN 28500 (12V DC),

285002 (12V DC, CE), 265012 (24V DC, CE)

**DIRECT DRIVE CONE BRAKE**  
*Reduced noise and automatic rated load holding capability.*

**3-STAGE PLANETARY GEAR TRAIN**  
*Proven to be the most reliable, efficient and durable design under the worst conditions in the world.*

**CLUTCH LEVER**  
*Simple operation. Select engaged or free spool.*

**MADE IN THE U.S.A.**  
*Quality construction and engineering. A strong, durable and reliable product.*





CLAY PIT #573, SALT SPRINGS, FLORIDA, JUNE 4, 1:12 PM—

The precise moment when every driver changes his or her quote from “No sweat, we’ll make it” to “hand me that winch remote, will ya?”

FOSTER RESERVOIR MUD FLATS, OREGON, JANUARY 17, 10:10 AM—  
Going prepared is the difference between a rig that feels like home,  
and one that gets you home.



**CLUTCH T-HANDLE**  
Simple operation. Select engaged or free spool.

**AUTOMATIC DISK TYPE BRAKE**  
Delivers smooth, reliable operation with superior heat rejection.

**LONG LINE CAPACITY**  
Includes 150 feet of wire rope

**UNIQUE UPRIGHT DESIGN**  
Spur-gear drive train and upright design are totally rugged.

**REMOTE CONTROL**  
Allows operation from a safe distance

**M8274-50 Self-Recovery Winch**

Loved by off-roaders who compete for prizes, it's our fastest winch. No load retrieval speed for the M8274-50 is 73.4-feet per minute, and that's not all. At 150 ft. of 5/16" cable, it also has a very long line capacity. Its unique spur-gear drive train and upright design are totally rugged. Its braking system delivers smooth operation with superior heat rejection. Roller fairlead, remote control on 12-ft. lead, free spool clutch and battery cables are included.

- PN 38631 (12V DC),
- 386312 (12V DC, CE), 375832 (24V DC, CE)



**M8000 Self-Recovery Winch**

Compact. Tough. An outstanding value. Available with a roller or hawse fairlead. Pulls a fast 8 ft. per minute at rated load.

- PN 20910 (12V DC),
- 265022 (12V DC, CE), 265032 (24V DC, CE)



**M6000 Self-Recovery Winch**

This is our medium-to-light-duty winch. But it's no weakling. Designed to be compact, its 4.8 hp Series Wound™ motor can still pull 6,000 lbs., making it ideal for smaller vehicles with big ideas.

- PN 45880 (12V DC), 465052 (24V DC, CE),
- 37960 (12V DC, CE Short Drum)



**WARNING:** To prevent serious injury: Do not use winches as hoists. Do not use winches to move people. Keep hands clear of wire rope and fairlead opening during operation and when spooling.



RAIN FOREST, MALAY PENINSULA. NOVEMBER 4, 4:42 PM—

Defining moment for the sport of four-wheeling. Where teamwork is men and their machines against nature. And victory is measured by staying ahead of the leeches.



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**PORTABLE WINCHES**


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*Shown at left:  
XD9000i Multi-Mount Kit.  
PN 37441*

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**XD9000i Multi-Mount Winch**


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All the power and reliability of the XD9000i in a portable package. Plugs into any standard Class III receiver hitch and gives you the ability to move a winch from the front or back of your rig. The Multi-Mount comes complete with winch, carrier, power leads, remote, fairlead and 6' quick disconnect.

**PN 37441** XD9000i Multi-Mount Kit. Includes winch, remote, carrier, power leads for front of vehicle, hawse fairlead and 6' quick disconnect. Front receiver and rear power cables sold separately. (See page 29 for more details. See mounting systems chart for front receiver applications).

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**X8000i Multi-Mount Winch**


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All the features of the 9000 lbs Multi-Mount in a slightly smaller package. Perfect for compact trucks or SUVs. Bring the Multi-Mount along for security when travelling off-road and leave it at home when driving around town. The perfect companion for any rig used for off-road, hunting, fishing or skiing.

**PN 31875** X8000i Multi-Mount Kit. Includes winch, remote, carrier, power leads for front of vehicle, hawse fairlead and 6' quick disconnect. Front receiver and rear power cables sold separately. (See page 29 for more details. See mounting systems chart for front receiver applications).




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**M6000 SDP Short Drum Portable Winch**


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A short-drum portable winch for small sport utility vehicles, the 4.8 hp M6000 SDP provides plenty of pulling power, can be mounted single-handedly, and stores in a snap. Line retrieval speeds have increased – up 27% at no-load, 233% at full pull. This compact winch comes complete with handle/ mounting system for a Class III 2" receiver, hawse fairlead, remote control with 3.7m lead, free spool clutch and battery cable.

**PN 39116** Includes winch with built in carrier, remote, power leads for front of vehicle, hawse fairlead and 6' quick disconnect. Front receiver and rear power cables sold separately. (See page 29 for more details. See mounting systems chart for front receiver applications).

TIERRA DEL FUEGO, ARGENTINA. SEPT. 9, 11:05 AM—

The captain of this ship's probably glad he had a Warn winch on board. When charting a course where no man has gone before, make sure you have a way back.





## Specialty Application Winches

Front mounted self-recovery winches are only one facet of the vast capabilities Warn winches can provide. With a growing number of drivers wanting to maintain a vehicle's factory appearance, but still wanting the added security a winch provides, Warn's product development team devised several ingenious solutions known as specialty application winches.



### U2500 Specialty Application Winch

Requests for a light-duty utility winch that could be mounted almost anywhere resulted in the development of the U2500. A versatile mounting plate allows for mounting on a wide variety of surfaces, from farm equipment, to lawn tractors. It can tackle an endless list of hauling and pulling chores. The same 3-stage planetary gear design means a lifetime of dependable pulling power, and it comes complete with mounting plate, combination fairlead and battery cables.

**PN 22000** (12V DC w/clutch),  
**PN 21321** (12V DC w/out clutch),  
**PN 239772** (12V DC, CE w/brake),  
**PN 239782** (24V DC, CE w/brake)



### Z3500 Trailer Winch

The Z3500 is a prime example of the versatile nature of Warn winches. After all, why stop at just self-recovery when a Warn winch can help simplify hundreds of other tasks. The Z3500 trailer winch makes loading and unloading trailers a breeze. With a 3500 lbs. capacity, it can do in minutes what manpower will never do. It's ideal for careful, controlled loading of race cars, show vehicles, farm equipment, ATVs, lawnmowers, and more. The package includes 60' of 7/32" galvanized aircraft wire rope, clutch, hawse or roller fairlead, extra long battery leads and remote control.

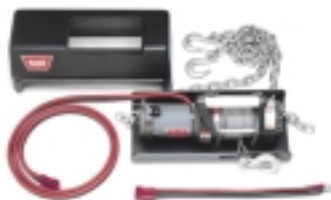
**PN 29255** (12V DC), **29260** (12V DC)



### T2500 Trailer Winch

The T2500 is a smaller version of the Z3500 trailer winch designed for applications under 2500 lbs. It includes a combination mounting plate/fairlead, 50' of 3/16", galvanized aircraft cable with hook, 12' remote control, solenoid pack and mounting bracket and heavy-duty 120" battery leads.

**PN 26361** (12V DC)



### P2500 Specialty Application Winch

The P2500 utilizes high test anchor chain to affix to practically any stable object, like a vehicle frame, tree trunk, boulder or pole. This portable, lightweight 2500 lbs winch features a free-spooling clutch, 50' of 3/16" diameter cable and a rugged carrying case.

**PN 30490**



### Pull Pak Specialty Application Winch

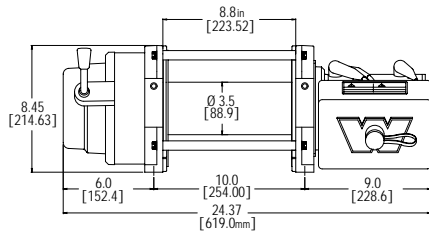
The Pull Pak is a prime example of the innovative thinking for which Warn is famous. It combines a 3500 lbs. winch and all the required electrical components into a compact Armour Guard plastic alloy case you store inside the vehicle. When you need to use it, simply insert the sleeve into any 2" Class III receiver hitch, hook the Quick Connect Power lead to your battery, and winch away. It's a must for ski trips, camping, exploring or anywhere you run the risk of getting stuck. **PN 30500**



**ARMOUR GUARD™  
CASE**  
Tough ABS co-laminate case secures and protects winch while in storage.



**POWER INTERRUPT  
SWITCH**  
The Pull Pak includes a dash mounted power switch which adds extra safety during winch operation.



## M12000

**Part Number** .....17801 (12V DC), 178012 (12V DC, CE), 265072 (24V DC, CE)  
**Rated line pull** .....12000 lbs. (5440 kgs.) single-line  
**Motor** .....12V 4.6 hp, Series Wound™  
 .....24V 2.5 hp, Series Wound™  
**Remote Control** .....Remote switch, 12' (3.7m) lead  
**Geartrain** .....3-Stage Planetary  
**Gear ratio** .....261:1  
**Lubrication** .....Aeroshell #17  
**Clutch (freespooling)** .....Rotating Ring Gear  
**Brake** .....Automatic Direct Drive Cone  
**Drum diameter/Length** .....3.5"/8.2" (9cm/21cm)  
**Weight** .....136 lbs. (62 kgs.)  
**Wire rope** .....125', 3/8" diameter (38m, 9.5mm diameter)  
**Replacement wire rope** .....PN 15712, PN 38423 (CE)  
**Fairlead** .....Roller  
**Recommended Battery** .....650 CCA minimum for winching  
**Battery leads** .....2 gauge, 72" (1.83m)  
**Finish** .....Argent Powder Coat  
**Nuts/bolts** .....PN 39572  
**CE winches include** .....CE labels, Manuals, Power Interrupt Kit, Safety Hook and Thimble.

### 12V DC PERFORMANCE SPECS:

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	30 (9.14)	67 amps	1/12000 (5443)
2000 (910)	14 (4.27)	140 amps	2/11120 (5044)
4000 (1810)	8.62 (2.63)	210 amps	3/10340 (4690)
6000 (2720)	6.92 (2.11)	250 amps	4/9770 (4432)
8000 (3630)	5.80 (1.77)	320 amps	5/9250 (4196)
10000 (4540)	4.39 (1.34)	370 amps	
12000 (5440)	3.86 (1.18)	440 amps	

Above performance specs are based on first layer of drum

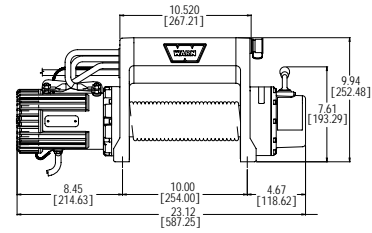
### 24V DC PERFORMANCE SPECS:

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	31.4 (9.57)	24 amps	1/12000 (5443)
2000 (910)	11.7 (3.57)	105 amps	2/11120 (5044)
4000 (1810)	9.5 (2.90)	129 amps	3/10340 (4690)
6000 (2720)	8.5 (2.59)	152 amps	4/9770 (4432)
8000 (3630)	7.5 (2.29)	175 amps	5/9250 (4196)
10000 (4540)	6.5 (1.98)	198 amps	
12000 (5440)	6.0 (1.83)	221 amps	

Above performance specs are based on first layer of drum

**Winch Dimensions** .....25" L. x 8.5" D. x 11" H.  
 (556mm L. x 215mm D. x 279mm H.)

**Mounting Bolt Pattern** .....10.0" x 4.5" (254mm x 114.3mm)



## HS9500i

**Part Number** .....47550 (12V DC), 475502 (12V DC, CE)  
**Rated line pull** .....9500 lbs. (4310 kgs.) single-line  
**Motor** .....4.6 hp, Series Wound™  
**Remote Control** .....Remote switch, 12' (3.7m) lead  
**Gear train** .....3-Stage Planetary  
**Gear ratio** .....156:1  
**Lubrication** .....Aeroshell #17  
**Clutch (freespooling)** .....Sliding Ring Gear  
**Brake** .....Automatic Direct Drive Cone  
**Drum diameter/Length** .....2.5"/9.0" (6.4cm/23cm)  
**Weight** .....86 lbs. (39 kgs.)  
**Wire rope** .....125', 5/16" diameter (38m, 8mm diameter)  
**Replacement wire rope** .....PN 25987  
**Fairlead** .....Roller  
**Recommended Battery** .....650 CCA minimum for winching  
**Battery leads** .....2 gauge, 72" (1.83m)  
**Finish** .....Argent Powder Coat  
**Nuts/bolts** .....PN 39625  
**CE winches include** .....CE labels, Manuals, Power Interrupt Kit, Safety Hook and Thimble.

### 12V DC PERFORMANCE SPECS:

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	PULL BY LAYER: layer/Lbs (Kgs.)
0	62 (18.9)	47 amps	9500 (1/4313)
2000 (910)	16.3 (4.97)	160 amps	8650 (2/3927)
4000 (1810)	11.8 (3.60)	230 amps	7920 (3/3595)
6000 (2720)	9.31 (2.84)	305 amps	7400 (4/3359)
8000 (3630)	7.59 (2.31)	370 amps	6940 (5/3150)
9500 (4310)	6.67 (2.03)	425 amps	

Above performance specs are based on first layer of drum

**Winch Dimensions** .....23.12" L. x 6.3" D. x 9.94" H.  
 (587.25mm L. x 160mm D. x 252.48mm H.)

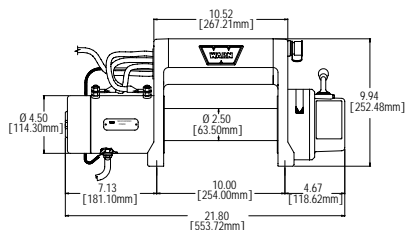
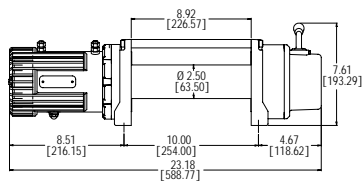
**Mounting Bolt Pattern** .....10.0" x 4.5" (254mm x 114.3mm)

### HOW TO CHOOSE A WINCH:

Take the gross weight of the vehicle\* and multiply by 1.5 – this is the minimum size winch for the vehicle.

\* Note: Gross weight of vehicle is located on the driver's door, on the inside panel.





### HS9500

**Part Number** .....48500 (12V DC), 485002 (12V DC, CE)  
**Rated line pull** .....9500 lbs. (4310 kgs.) single-line  
**Motor** .....4.6 hp, Series Wound™  
**Remote Control** .....Remote switch, 12' (3.7m) lead  
**Gear train** .....3-Stage Planetary  
**Gear ratio** .....156:1  
**Lubrication** .....Aeroshell #17  
**Clutch (freespooling)** .....Sliding Ring Gear  
**Brake** .....Automatic Direct Drive Cone  
**Drum diameter/Length** .....2.5"/9.0" (6.4cm/23cm)  
**Weight** .....80 lbs. (36.3 kgs.)  
**Wire rope** .....100', 5/16" diameter (30m, 8mm diameter)  
**Replacement wire rope** .....PN 27110  
**Fairlead** .....Roller  
**Recommended Battery** .....650 CCA minimum for winching  
**Battery leads** .....2 gauge, 72" (1.83m)  
**Finish** .....Argent Powder Coat  
**Nuts/bolts** .....PN 39625  
**CE winches include** .....CE labels, Manuals, Power Interrupt Kit, Safety Hook and Thimble.

#### 12V DC PERFORMANCE SPECS:

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	62 (18.9)	47 amps	1/9500 (4313)
2000 (910)	16.3 (4.97)	160 amps	2/38650 (927)
4000 (1810)	11.8 (3.60)	230 amps	3/7920 (3595)
6000 (2720)	9.31 (2.84)	305 amps	4/7400 (3359)
8000 (3630)	7.59 (2.31)	370 amps	5/6940 (3150)
9500 (4310)	6.67 (2.03)	425 amps	

Above performance specs are based on first layer of drum

**Winch Dimensions** .....23.2" L. x 6.3" D. x 7.6" H.  
 (588.7mm L. x 160mm D. x 193.3mm H.)

**Mounting Bolt Pattern** .....10.0" x 4.5" (254mm x 114.3mm)

### XD9000i

**Part Number** .....27550 (12V DC), 275502 (12V DC, CE),  
 274022 (24V DC, CE)  
**Rated line pull** .....9000 lbs. (4080 kgs.) single-line  
**Motor** .....12V 4.6 hp, Series Wound™  
 .....24V 2.5 hp, Series Wound™  
**Remote Control** .....Remote switch, 12' (3.7m) lead  
**Geartrain** .....3-Stage Planetary  
**Gear ratio** .....156:1  
**Lubrication** .....Aeroshell #17  
**Clutch (freespooling)** .....Sliding Ring Gear  
**Brake** .....Automatic Direct Drive Cone  
**Drum diameter/Length** .....2.5"/9.0" (6.4cm/23cm)  
**Weight** .....85 lbs. (38.5 kgs.)  
**Wire rope** .....125', 5/16" diameter (38m, 8mm diameter)  
**Replacement wire rope** .....PN 25987, PN 38312 (CE)  
**Fairlead** .....Roller  
**Recommended Battery** .....650 CCA minimum for winching  
**Battery leads** .....2 gauge, 72" (1.83m)  
**Finish** .....Argent Powder Coat  
**Nuts/bolts** .....PN 39625  
**CE winches include** .....CE labels, Manuals, Power Interrupt Kit, Safety Hook and Thimble.

#### 12V DC PERFORMANCE SPECS:

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	38 (11.6)	70 amps	1/9000 (4082)
2000 (910)	14.4 (4.39)	180 amps	2/8190 (3715)
4000 (1810)	11 (3.35)	255 amps	3/7500 (3402)
6000 (2720)	8.67 (2.64)	330 amps	4/7010 (3180)
8000 (3630)	6.88 (2.10)	415 amps	5/6570 (2980)
9000 (4080)	6.38 (1.94)	460 amps	

Above performance specs are based on first layer of drum

#### 24V DC PERFORMANCE SPECS:

Line Pull (Lbs.) Kgs.	Line Speed (Ft./min.) M/min.	Motor Current	Pull by layer: layer/(Lbs) Kgs.
0	27.2 (8.29)	44 amps	1/9000 (4082)
2000 (910)	21 (6.40)	96 amps	2/ 8190 (3715)
4000 (1810)	17 (5.18)	149 amps	3/7500 (3402)
6000 (2720)	16 (4.88)	180 amps	4/7010 (3180)
8000 (3630)	9 (2.74)	230 amps	5/6570 (2980)
9000 (4080)	5.2 (1.58)	270 amps	

Above performance specs are based on first layer of drum

**Winch Dimensions** .....21.8" L. x 6.3" D. x 9.94" H.  
 (553mm L. x 160mm D. x 252mm H.)

**Mounting Bolt Pattern** .....10.0" x 4.5" (254mm x 114.3mm)

#### WARNING:

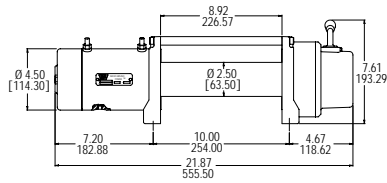
To prevent serious injury:

- Do not use winches as hoists.
- Do not use winches to move people.
- Keep hands clear of wire rope and fairlead opening during operation and when spooling.
- Not intended for commercial use.

#### NOTE:

- Fairlead is not mounted to winch.
- Do not submerge winch.





## XD9000

Part Number	28500 (12V DC), 285002 (12V DC, CE), 265012 (24V DC, CE)
Rated line pull	9000 lbs. (4080 kgs.) single-line
Motor	12V 4.6 hp, Series Wound™ 24V 2.5 hp, Series Wound™
Remote Control	Remote switch, 12' (3.7m) lead
Gear train	3-Stage Planetary
Gear ratio	156:1
Lubrication	Aeroshell #17
Clutch (freespooling)	Sliding Ring Gear
Brake	Automatic Direct Drive Cone
Drum diameter/Length	2.5"/9.0" (6.4cm/23cm)
Weight	78 lbs. (35 kgs.)
Wire rope	100', 5/16" diameter (30m, 8mm diameter)
Replacement wire rope	PN 27110, PN38314 (CE)
Fairlead	Roller
Recommended Battery	650 CCA minimum for winching
Battery leads	.2 gauge, 72" (1.83m)
Finish	Argent Powder Coat
Nuts/bolts	PN 39625
CE winches include	CE labels, Manuals, Power Interrupt Kit, Safety Hook and Thimble.

### 12V DC PERFORMANCE SPECS:

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	38 (11.6)	70 amps	1/9000 (4082)
2000 (910)	14.4 (4.39)	180 amps	2/8190 (3715)
4000 (1810)	11 (3.35)	255 amps	3/7500 (3402)
6000 (2720)	8.67 (2.64)	330 amps	4/7010 (3180)
8000 (3630)	6.88 (2.10)	415 amps	
9000 (4080)	6.38 (1.94)	460 amps	

Above performance specs are based on first layer of drum

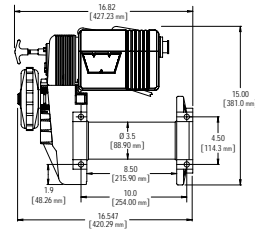
### 24V DC PERFORMANCE SPECS:

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	27.2 (8.29)	44 amps	1/9000 (4082)
2000 (910)	21 (6.40)	96 amps	2/8190 (3715)
4000 (1810)	17 (5.18)	149 amps	3/7500 (3402)
6000 (2720)	16 (4.88)	180 amps	4/7010 (3180)
8000 (3630)	9 (2.74)	230 amps	5/6570 (2980)
9000 (4080)	5.2 (1.58)	270 amps	

Above performance specs are based on first layer of drum

**Winch Dimensions**.....21.8" L. x 6.3" D. x 7.6" H.  
(555mm L. x 160mm D. x 193mm H.)

**Mounting Bolt Pattern**.....10.0" x 4.5" (254mm x 114.3mm)



## M8274-50

Part Number	38631 (12V DC), 386312 (12V DC, CE), 375832 (24V DC, CE)
Rated line pull	8000 lbs. (3630 kgs.) single-line
Motor	12V 4.6 hp/3.43kw, Series Wound™ 24V 2.5 hp/3.43kw, Series Wound™
Remote Control	Remote switch, 12' (3.7m) lead
Geartrain	Spur Gear
Gear ratio	134:1
Lubrication	.6 oz. SAE 30 (non-detergent)
Clutch (freespooling)	Sliding Motor Pinion Gear
Brake	Automatic, disc type
Drum diameter/Length	3.5"/8.5" (9cm/22cm)
Weight	110 lbs. (50 kgs.)
Wire rope	150', 5/16" diameter (46m, 8mm diameter)
Replacement wire rope	PN 26749, PN 38311 (CE)
Fairlead	Roller
Recommended Battery	650 CCA for winching
Battery leads	.2 gauge, 72" (1.83m)
Finish	Argent Powder Coat with Clear Coat
Nuts/bolts	Nut: PN 7616, L/W: PN 2146, Bolt: PN 7165
CE winches include	CE labels, Manuals, Power Interrupt Kit, Safety Hook and Thimble.

### 12V DC PERFORMANCE SPECS:

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	73.4 (22.4)	55 amps	1/8000 (3629)
2000 (910)	22 (6.71)	190 amps	2/7460 (3384)
4000 (1810)	12 (3.66)	275 amps	3/6980 (3166)
6000 (2720)	9.50 (2.90)	350 amps	4/6620 (3003)
8000 (3630)	6.10 (1.86)	450 amps	5/6290 (2853)

Above performance specs are based on first layer of drum

### 24V DC PERFORMANCE SPECS:

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	65 (19.8)	24 amps	1/8000 (3629)
2000(910)	23 (7.01)	96 amps	2/7460 (3386)
4000(1810)	17 (5.18)	149 amps	3/6980 (3168)
6000(2720)	13 (3.96)	203 amps	4/6620 (3005)
8000(3630)	7.9 (2.41)	273 amps	5/6290 (2855)

Above performance specs are based on first layer of drum

**Dimensions**.....16.3" L. x 8.5" D. x 15" H.  
(420mm L. x 220mm D. x 381mm H.)

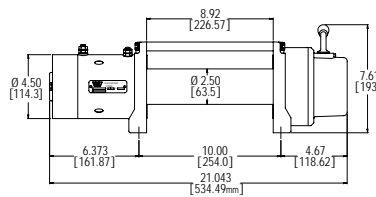
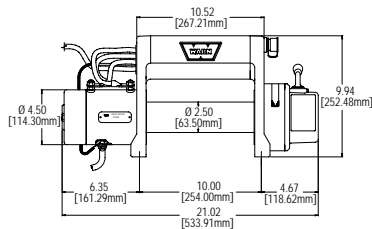
**Mounting Bolt Pattern**.....10.0" x 4.5" (254mm x 114.3mm)

### HOW TO CHOOSE A WINCH:

Take the gross weight of the vehicle\* and multiply by 1.5 – this is the minimum size winch for the vehicle.

\* Note: Gross weight of vehicle is located on the driver's door, on the inside panel.





**X8000i**

**Part Number** .....28401 (12V DC), 284012 (12V DC, CE)  
**Rated line pull** .....8000 lbs. (3630 kgs.) single-line  
**Motor** .....4.8 hp, Series Wound™  
**Remote Control** .....Remote switch, 12' (3.7m) lead  
**Gear train** .....3-Stage Planetary  
**Gear ratio** .....216:1  
**Lubrication** .....Aeroshell #17  
**Clutch (freespooling)** .....Sliding Ring Gear  
**Brake** .....Automatic Direct Drive Cone  
**Drum diameter/Length** .....2.5"/9.0" (6.4cm/23cm)  
**Weight** .....74 lbs. (34 kgs.)  
**Wire rope** .....100', 5/16" diameter (30m, 8mm diameter)  
**Replacement wire rope** .....PN 27110 (38314 CE)  
**Fairlead** .....Roller  
**Recommended Battery** .....650 CCA minimum for winching  
**Battery leads** .....2 gauge, 72" (1.83m)  
**Finish** .....Argent Powder Coat  
**Nuts/bolts** .....PN 39625  
**CE winches include** .....CE labels, Manuals, Power Interrupt Kit, Safety Hook and Thimble.

**12V DC PERFORMANCE SPECS:**

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	42 (12.8)	80 amps	1/8000 (3629)
2000 (910)	16 (4.88)	200 amps	2/7280 (3302)
4000 (1810)	11.9 (3.63)	285 amps	3/6670 (3026)
6000 (2720)	9.79 (2.98)	350 amps	4/6230 (2826)
8000 (3630)	8.01 (2.44)	435 amps	

Above performance specs are based on first layer of drum

**Winch Dimensions** .....21.02" L. x 6.3" D. x 9.94" H.  
 (534mm L. x 160m D. x 252mm H.)

**Mounting Bolt Pattern** .....10.0" x 4.5" (254mm x 114.3mm)

**M8000**

**Part Number** .....20910 (12V DC), 26502 (12V DC)  
 265022 (12V DC, CE), 265032 (24V DC, CE)  
**Rated line pull** .....8000 lbs. (3630 kgs.) single-line  
**Motor** .....12V 4.8 hp, Series Wound™  
 .....24V 2.1 hp, Series Wound™  
**Remote Control** .....Remote switch, 12' (3.7m) lead  
**Geartrain** .....3-Stage Planetary  
**Gear ratio** .....216:1  
**Lubrication** .....Aeroshell #17  
**Clutch (freespooling)** .....Sliding Ring Gear  
**Brake** .....Automatic Direct Drive Cone  
**Drum diameter/Length** .....2.5"/9.0" (6.4cm/23cm)  
**Weight** .....74 lbs. (34 kgs.)  
**Wire rope for PN20910** .....80', 5/16" diam. (24m, 8mm diameter)  
**Wire rope for**  
**PN26502, 26503, 265022, 265032** ..100', 5/16"diam. (30m, 8mm diameter)  
**Replacement wire rope for PN 20910** .....15276  
**Replacement wire rope for PN 26502, 26503** .....27110  
**Replacement wire rope for PN 265022, 265032** .....38314 (CE)  
**Fairlead for PN 20910** .....Hawse  
**Fairlead for PN26502, 26503, 265022, 265032** .....Roller  
**Recommended Battery** .....650 CCA minimum for winching  
**Battery leads** .....2 gauge, 72" (1.83m)  
**Finish** .....Argent Powder Coat  
**Nuts/bolts** .....PN 39625  
**CE winches include** .....CE labels, Manuals, Power Interrupt Kit, Safety Hook and Thimble.

**12V DC PERFORMANCE SPECS:**

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	42 (12.8)	80 amps	1/8000 (3629)
2000 (910)	16 (4.88)	200 amps	2/7280 (3302)
4000 (1810)	11.9 (3.63)	285 amps	3/6670 (3026)
6000 (2720)	9.79 (2.98)	350 amps	4/6230 (2826)
8000 (3630)	8.01 (2.44)	435 amps	

Above performance specs are based on first layer of drum

**24V DC PERFORMANCE SPECS:**

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	52.2 (15.9)	24 amps	1/8000 (3629)
2000 (910)	46 (14)	97 amps	2/7460 (3384)
4000 (1810)	31 (9.45)	150 amps	3/6980 (3166)
6000 (2720)	17 (5.18)	202 amps	4/6620 (3003)
8000 (3630)	3.0 (.91)	254 amps	

Above performance specs are based on first layer of drum

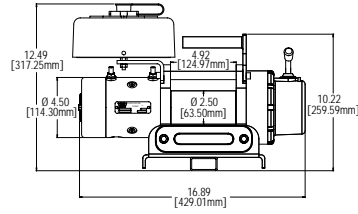
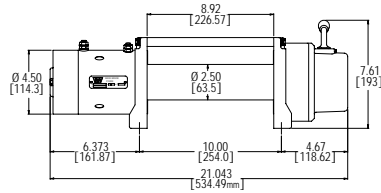
**Winch Dimensions** .....21.04" L. x 6.3" D. x 7.6" H.  
 (534mm L. x 160m D. x 193mm H.)

**Mounting Bolt Pattern** .....10.0" x 4.5" (254mm x 114.3mm)

- WARNING:**  
 To prevent serious injury:
- Do not use winches as hoists.
  - Do not use winches to move people.
  - Keep hands clear of wire rope and fairlead opening during operation and when spooling.
  - Not intended for commercial use.

- NOTE:**
- Fairlead is not mounted to winch.
  - Do not submerge winch.





## M 6 0 0 0

Part Number .....	45880 (12V DC), 465052 (24V DC, CE), 37960 (12V, DC, CE Short Drum)
Rated line pull .....	6000 lbs. (2720 kgs) single-line
Motor .....	12V 4.8hp, Series Wound™ 24V 1.7hp, Series Wound™
Remote Control .....	Remote switch, 12' (3.7m.) lead
Gear train .....	3-Stage Planetary
Gear ratio .....	156:1
Lubrication .....	Aeroshell #17
Clutch (freespooling) .....	Sliding Ring Gear
Brake .....	Automatic Direct Drive Cone
Drum diameter/Length .....	2.5"/9.0" (6.4cm/23cm)
Weight .....	74 lbs. (34 kgs.)
Wire rope for PN 45880, 465052 .....	80', 5/16" diameter (24m, 8mm diameter)
Wire rope for PN 37960 .....	50', 5/16" diameter (15m, 8mm diameter)
Replacement wire rope for PN 45880 .....	PN 15276
Replacement wire rope for PN 465052 .....	PN 38310
Replacement wire rope for PN 37960 .....	PN 38309
Fairlead for PN 45880, 26505 .....	Roller
Fairlead for PN 37960 .....	Hawse
Recommended Battery .....	650 CCA minimum for winching
Battery leads .....	.2 gauge, 72" (1.83m)
Finish .....	Argent Powder Coat
Nuts/bolts .....	PN 39625

### 12 V DC PERFORMANCE SPECS:

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	48.5 (14.8)	85 amps	1/6000 (2722)
2000 (910)	23.7 (7.22)	175 amps	2/5460 (2477)
4000 (1810)	12.9 (3.93)	360 amps	3/5000 (2268)
6000 (2720)	10.0 (3.05)	465 amps	4/4670 (2118)

Above performance specs are based on first layer of drum

### 24 V DC PERFORMANCE SPECS:

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	41.2 (12.6)	52 amps	1/6000 (2722)
2000 (910)	12 (3.66)	127 amps	2/5460 (2477)
4000 (1810)	8.92 (2.72)	201 amps	3/5000 (2268)
6000 (2720)	5.83 (1.78)	275 amps	4/4670 (2118)

Above performance specs are based on first layer of drum

Winch Dimensions .....21.04" L. x 6.3" D. x 7.61" H  
(534mm L. x 160mm D. x 193mm H.)

Mounting Bolt Pattern .....10.0" x 4.5" (254mm x 114.3mm)

## M 6 0 0 0 SDP

PN .....	39116 12V DC
Rated line pull .....	6000 lbs. (2722 kgs) single-line
Motor .....	4.8 hp, Series Wound™
Remote Control .....	Remote switch, 12' (3.7m) lead
Gear train .....	3-Stage Planetary
Gear ratio .....	156:1
Lubrication .....	Aeroshell #17
Clutch (freespooling) .....	Sliding Ring Gear
Brake .....	Automatic Direct Drive Cone
Drum diameter/Length .....	2.5"/5.0" (26.4cm/13cm)
Weight .....	66 lbs. (30 kgs.)
Wire rope .....	.50", 5/16" diameter (15m, 8mm diameter)
Replacement wire rope .....	61346
Fairlead .....	Hawse
Recommended Battery .....	650 CCA minimum for winching
Battery leads .....	.2 gauge, 72" (1.83m) w/quick disconnects
Finish .....	Argent Powder Coat
Nuts/bolts .....	PN 39625
Warranty .....	Limited Lifetime

### 12 V DC PERFORMANCE SPECS:

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	48.5 (14.78)	85 amps	1/2722 (6000)
2000 (907)	23.7 (7.22)	175 amps	2/2477 (5460)
4000 (1814)	12.9 (3.93)	360 amps	3/2268 (5000)
6000 (2722)	10.0 (3.05)	465 amps	4/2118 (4670)

Above performance specs are based on first layer of drum

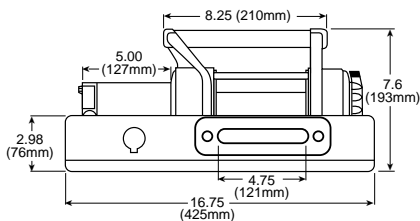
Winch Dimensions .....16.89" L. x 6.3" D. x 12.49" H.  
(429mm L. x 160mm D. x 317mm H.)

### HOW TO CHOOSE A WINCH:

Take the gross weight of the vehicle\* and multiply by 1.5 – this is the minimum size winch for the vehicle.

\* Note: Gross weight of vehicle is located on the driver's door, on the inside panel.





**PULL PAK**

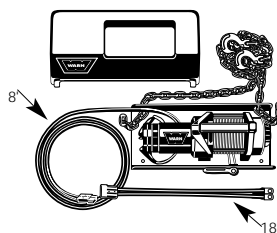
PN ..... **30500** 12V DC, Hawse fairlead  
**Rated line pull** ..... 3500 lbs. (1600 kgs.) single-line  
**Motor** ..... 1.5 hp, Permanent Magnet  
**Control** ..... Remote switch, 12' (3.7m) lead  
**Gear train** ..... 3-Stage Planetary  
**Gear ratio** ..... 136:1  
**Lubrication** ..... Aeroshell #17  
**Clutch (freespooling)** ..... Cam Activated  
**Brake** ..... Automatic, Inline  
**Drum diameter/Length** ..... 2.0"/4.75" (5cm/12cm)  
**Weight** ..... 40 lbs. (18 kgs.)  
**Wire rope** ..... 60', 7/32" diameter (18m, 5.5mm diameter)  
**Replacement wire rope** ..... 31098  
**Fairlead** ..... Hawse  
**Remote control** ..... Included  
**Recommended Battery** ..... 500 CCA minimum for winching  
**Finish** ..... Argent  
**Power Interrupt Switch** ..... PN 32959  
**Warranty** ..... 12 months

**12V DC PERFORMANCE SPECS:**

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	25 (7.6)	27 amps	1/3500 (1587.5)
1000 (455)	22 (6.7)	100 amps	2/3150 (1428.8)
2500 (1134)	11 (3.4)	195 amps	3/2835 (1285.9)
3500 (1600)	4 (1.2)	320 amps	4/2551 (1157.1)

Above performance specs are based on first layer of drum

**Winch Dimensions** ..... 16.75" L. x 10.25" D. x 7.6" H.  
 (425mm L. x 260mm D. x 193mm H.)



**P2500**

PN ..... **30490** 12V DC  
**Rated line pull** ..... 2500 lbs (1134 kgs.) single-line  
**Motor** ..... 0.9 hp, Permanent Magnet  
**Control** ..... Manual, motor mounted  
**Gear train** ..... 3-Stage Planetary  
**Gear ratio** ..... 136:1  
**Lubrication** ..... Aeroshell #17  
**Clutch (freespooling)** ..... Cam Activated  
**Brake** ..... Optional (PN 22142)  
**Drum diameter/Length** ..... 2.0"/3.15" (5cm/3cm)  
**Weight** ..... 33lbs. (15 kgs.)  
**Wire rope** ..... 50', 3/16" diameter (15m, 5mm diameter)  
**Replacement wire rope (steel drum)** ..... 15236  
**Replacement wire rope (aluminum drum)** ..... 60076  
**Fairlead** ..... Built-in  
**Remote control** ..... Not included  
**Recommended Battery** ..... 500 CCA minimum for winching  
**Battery leads** ..... 8'/2.4m and 18"/46cm  
**Finish** ..... Argent Powder Coat  
**Warranty** ..... 12 months

**12V DC PERFORMANCE SPECS:**

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	23 (7.1)	15 amps	1/2500 (1133)
500 (227)	20 (6.1)	43 amps	2/2250 (1020)
1000 (455)	16 (4.9)	70 amps	3/2025 (918)
1500 (682)	11 (3.4)	102 amps	4/1822 (826)
2000 (907)	7 (2.1)	145 amps	
2500 (1134)	4 (1.2)	188 amps	

Above performance specs are based on first layer of drum

**Winch Dimensions** ..... 13.5" L. x 6.5" D. x 5.0" H.  
 (342mm L. x 165mm D. x 127mm H.)

**WARNING:**

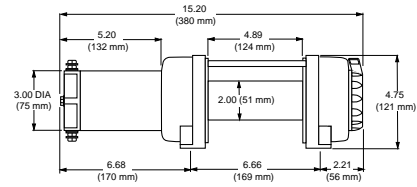
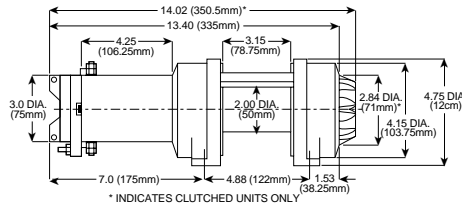
To prevent serious injury:

- Do not use winches as hoists.
- Do not use winches to move people.
- Keep hands clear of wire rope and fairlead opening during operation and when spooling.
- Not intended for commercial use.

**NOTE:**

- Do not submerge winch.





## U 2500

- PN.....22000 (12V DC w/clutch),  
 21321 (12V DC w/out clutch), 239782 (24V DC, CE w/clutch),  
 220002 (12V DC, CE), 224182 (24V DC, CE),  
 239772 (12V DC, CE w/brake), 239782 (24V DC, CE w/brake)
- Rated line pull .....2500 lbs. (1134 kgs.) single-line  
 Motor .....0.9 hp, Permanent Magnet  
 Control.....Manual, motor mounted  
 Gear train .....3-Stage Planetary  
 Gear ratio .....136:1  
 Lubrication.....Aeroshell #17  
 Clutch (freespooling) .....Cam Activated  
 Brake .....Optional (PN 22142)  
 Drum diameter/Length .....2.0"/3.15" (5cm/8cm)  
 Weight .....23 lbs. (11 kgs.)  
 Wire rope .....50', 3/16" diameter (15m, 5mm diameter)  
 Replacement wire rope (steel drum) .....15236  
 Replacement wire rope (aluminum drum) .....60076  
 Fairlead .....Hawse  
 Remote control .....Not included  
 Recommended Battery .....500 CCA minimum for winching  
 Battery leads.....120" (3m)  
 Finish.....Argent Powder Coat  
 Warranty.....12 months  
 CE winches include .....CE labels, Manuals, Power Interrupt Kit,  
 Safety Hook and Thimble.

### 12V DC PERFORMANCE SPECS:

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	23 (7.1)	15 amps	1/2500 (1133)
500 (227)	20 (6.1)	43 amps	2/2250 (1020)
1000 (455)	16 (4.9)	70 amps	3/2025 (918)
1500 (682)	11 (3.4)	102 amps	4/1822 (826)
2000 (907)	7 (2.1)	145 amps	
2500 (1134)	4 (1.2)	188 amps	

Above performance specs are based on first layer of drum

### 24V DC PERFORMANCE SPECS:

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	23 (7.1)	8 amps	1/1133 (2500)
500 (227)	20 (6.1)	22 amps	2/1020 (2250)
1000 (455)	16 (4.9)	35 amps	3/918 (2025)
1500 (682)	11 (3.4)	51 amps	4/826 (1822)
2000 (907)	7 (2.1)	73 amps	
2500 (1134)	4 (1.2)	94 amps	

Above performance specs are based on first layer of drum

Winch Dimensions.....14.02" L. x 4.5" D. x 4.75" H.  
 (350.5mm L. x 115mm D. x 12cm H.)

Mounting Bolt Pattern .....3.00" x 4.88" (76.2mm x 123.95mm)

## Z 3500

- PN.....29255 (12V DC), 29260 (12V DC)  
 Rated line pull .....3500 lbs. (1600 kgs.) single-line  
 Motor .....1.5 hp, Permanent Magnet  
 Control.....Remote switch, 12' (3.7m) lead  
 Gear train .....3-Stage Planetary  
 Gear ratio .....136:1  
 Lubrication.....Aeroshell #17  
 Clutch (freespooling) .....Cam Activated  
 Brake .....Automatic, Inline  
 Drum diameter/Length .....2.0"/4.75" (5cm/12cm)  
 Weight .....28 lbs. (13 kgs.)  
 Wire rope .....60', 7/32" diameter (18m, 5.5mm diameter)  
 Replacement wire rope .....31098  
 Fairlead for PN 29255 .....Hawse  
 Fairlead for PN 29260 .....Roller  
 Remote control.....Included  
 Recommended Battery .....500 CCA minimum for winching  
 Battery leads.....120" (3m)  
 Warranty.....12 months

### 12V DC PERFORMANCE SPECS:

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	25 (7.6)	27 amps	1/3500 (1587)
1000 (455)	22 (6.7)	100 amps	2/3150 (1428)
2500 (1130)	11 (3.4)	195 amps	3/2835 (1285)
3500 (1585)	4 (1.2)	320 amps	4/2551 (1157)

Above performance specs are based on first layer of drum

Winch Dimensions.....15.2" L. x 6.0" D. x 4.75" H.  
 (380mm L. x 152cm D. x 121mm H.)

Mounting Bolt Pattern .....3.0" x 6.66" (76.2mm x 169.1mm)

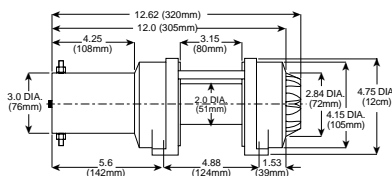
### HOW TO CHOOSE A WINCH:

Take the gross weight of the vehicle\* and multiply by 1.5 – this is the minimum size winch for the vehicle.

\* Note: Gross weight of vehicle is located on the driver's door, on the inside panel.







**T 2500**

- PN.....**26361** (12V DC)
- Rated line pull .....2500 lbs. (1134 kgs.) single-line
- Motor .....0.9 hp, Permanent Magnet
- Control .....Remote switch, 12' (3.7m) lead
- Gear train .....3-Stage Planetary
- Gear ratio .....136:1
- Lubrication .....Aeroshell #17
- Clutch (freespooling) .....Cam Activated
- Brake .....Automatic, Inline
- Drum diameter/Length .....2.0"/3.15" (5cm/8cm)
- Weight .....11.56 kgs. (25.5 lbs.)
- Wire rope ......50', 3/16" diameter (15m, 5mm diameter)
- Replacement wire rope (steel drum).....15236
- Replacement wire rope (aluminum drum) .....60076
- Fairlead .....Hawse
- Remote control.....Included
- Recommended Battery.....500 CCA minimum for winching
- Battery leads.....120" (3m)
- Finish.....Argent Powder Coat
- Warranty.....12 months

**12V DC PERFORMANCE SPECS:**

Line Pull Lbs. (Kgs.)	Line Speed Ft./min. (M/min.)	Motor Current	Pull by layer: layer/Lbs (Kgs.)
0	23 (7.1)	15 amps	1/2500 (1133)
500 (227)	20 (6.1)	43 amps	2/2250 (1020)
1000 (455)	16 (4.9)	70 amps	3/2025 (918)
1500 (682)	11 (3.4)	102 amps	4/1822 (826)
2000 (907)	7 (2.1)	145 amps	
2500 (1134)	4 (1.2)	188 amps	

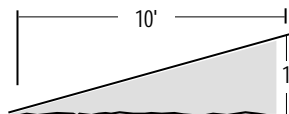
Above performance specs are based on first layer of drum

- Winch Dimensions.....12.62" L. x 4.5" D. x 4.75" H.  
(320mm L. x 115mm D. x 120mm H.)
- Mounting Bolt Pattern.....3.0" x 4.88" (76.2mm x 123.95mm)

**HOW TO CHOOSE THE RIGHT TRAILER WINCH**

Use the chart to determine the winch best suited for your rolling load application.

1. Determine the % of grade you will be rolling the load up. This is done by dividing the amount of rise of the ramp by the length of the ramp. Example of 10% grade:



2. Use the chart and find the column that matches your slope and run down until you find the weight of your car or the next higher number. Next go left on the chart to find the best winch suited for your application.
3. This is only a guide and based on the average rolling load of a vehicle. Some applications may require a larger winch than the chart calls out.

**ROLLING LOAD CAPACITIES:**

Winch	10% [3°]	20% [6°]	30% [11°]	50% [17°]	70% [35°]	100% [45°]
1000 lb.	5000 lb.	3400 lb.	2600 lb.	1900 lb.	1500 lb.	1300 lb.
2000 lb.	10000 lb.	6800 lb.	5200 lb.	3800 lb.	3000 lb.	2600 lb.
2500 lb.	12500 lb.	8500 lb.	6500 lb.	4750 lb.	3750 lb.	3250 lb.
3500 lb.	17500 lb.	11900 lb.	9100 lb.	6650 lb.	5250 lb.	4550 lb.

**WARNING:**

To prevent serious injury:

- Do not use winches as hoists.
- Do not use winches to move people.
- Keep hands clear of wire rope and fairlead opening during operation and when spooling.
- Not intended for commercial use.

**NOTE:**

- Do not submerge winch.

