

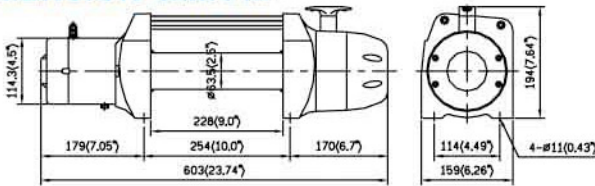


SELF-RECOVERY WINCH

DS-9.5

- Extreme durable motor**
 Heavy duty series wound motor delivers superior torque output and faster line speed
- Aluminum alloy housing**
 Tough aluminum alloy die cast housing provides massive structural durability
- Durable 3 stage planetary gear train**
 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- Automatic, full load cone brake**
 The U.S. Germany, UK, France, etc patents of automatic full load cone brake holds full loads.
- Sealed solenoid**
 Heavy duty sealed solenoid gives better water resistance and lower amp. draw
- Rapid wire rope payout**
 8 equally spaced pin holes have free-spool positioned actually for a rapid payout of wire rope with ease.
- Protective thermal sensor LED**
 Motor mounted thermal control detecting temperature information shows signal on the remote switch

DIMENSION mm / in



SPECIFICATION

Line Pull	4,309 kg / 9,500 lb
Motor 12V	3,730 w / 5 hp
24V	2,088 w / 2.8 hp
Gear Train.....	3 stage planetary gears
Gear Ratio	159 : 1
Free-spool	rotating ring gear
Brake	automatic, full load cone brake
Wire Rope Size.....	ø8.7 mm x 30 m (ø11/32" x 100')
Wire Rope Type.....	galvanized aircraft A7 x 19
Drum Size.....	ø63.5 mm x 228 mm (ø2.5" x 9")
Mounting bolts pattern.....	254 mm x 114 mm (10" x 4.49")
※ Limited Lifetime Warranty	

PACKAGE

Winch Weight	34.5 kg / 76 lb
Gross Weight.....	48.5 kg / 107 lb
Box Dimension	660 x 208 x 436 mm (26" x 8.2" x 17.2")

STANDARD ACCESSORIES

- Detachable solenoid pack WA-0811
- Remote control WA-0313
- Wire rope with hook
- Roller fairlead WA-0510
- 1.8 m (6') 2 gauge battery lead
- Handsaver strap

OPTION ACCESSORIES

- Mounting channel WA-0701 / 0702
- Snatch block WA-0401
- Winch accessory kit WA-1101

Extreme durable motor
Heavy duty series wound motor delivers superior torque output and faster line speed

Aluminum alloy housing
Tough aluminum alloy die cast housing provides massive structural durability

Protective thermal sensor LED
Motor mounted thermal control detecting temperature information shows signal

Sealed solenoid
Heavy duty sealed solenoid gives better water resistance and lower amp. draw

Rapid wire rope payout
8 equally spaced pin holes have free-spool positioned actually for a rapid payout of wire rope with ease.

Automatic, full load cone brake
The U.S. Germany, UK, France patents of automatic full load cone brake holds full loads. The greater the load on the wire rope, the greater amount of brake that is applied by the mechanism.

Durable 3 stage planetary gear train
3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.

Note:
Roller fairlead does not mount to winch

LINE PULL AND ROPE CAPACITY

Layer of wire rope	Line Pull kg / lb	Total Rope on the Drum m/ft
1st Layer	4,309 / 9,500	6.1 / 20
2nd Layer	3,521 / 7,750	13.5 / 44.3
3rd Layer	2,977 / 6,550	22.3 / 73.2
4th Layer	2,578 / 5,700	32.4 / 106.3

LINE SPEED AND AMP. DRAW

(1st layer of wire rope on the drum)

Line Pull kg / lb	Line Speed mpm / fpm	Amp. Draw	
		12V	24V
No Load	19 / 62	60	35
907 / 2,000	4.7 / 15.4	115	70
1,814 / 4,000	3.5 / 11.5	210	110
2,722 / 6,000	2.8 / 9.2	245	145
3,629 / 8,000	2.3 / 7.6	280	190
4,309 / 9,500	2.1 / 6.8	380	250