

DV-18

18,000 lb Heavy-Duty Winch



PN 851823 12V
PN 851824 24V

Features Include

- Robust and Reliable electric winch for commercial applications.
- Manual free spool clutch with Stainless Steel T bar handle can be rotated to suit various mounting arrangements
- 12V 5,220W or 24V 4,474W series wound motor.
- Hardened steel, 3-stage planetary gear train for efficient and reliable operation.
- Water-proof remote control with thermometric LED indicator alerts when the motor is over-heated.
- Mechanical cone brake holds the full load without slipping.
- Submersible sealed contactor handles high amps and allows higher duty cycle.
- Meets international standards SAE J706, CE Machinery Directive 2006/42/EC and CE EMC directive 2004/108/EC

Specifications

- Rated line pull: 8181 kg single line.
- Line speed (1st layer):
 - 12 v 8.6m/m 40 A @ no load
 - 24 v 8.6m/m 35 A @ no load
 - 12 v 1.0m/m 350 A @ full load
 - 24 v 1.0m/m 320amps at full load
- Motor:
 - 12 v 5 220 w / 7.0 hp series wound
 - 24 v 4 474 w / 6.0 hp series wound
- Gear ratio: 3-stage planetary 315:1
- Clutch (free-spooling): Rotating ring gear.
- Brake (outside the drum): Automatic, full load cone brake.
- Winch construction: Aluminum die-cast housings with steel drum.
- Drum size: 89 x 192 mm
- Control: Weather proof 5m remote with thermometric indicator LED
- Wire Rope: 6 x 29 WRC
- Size: 12.7 mm x 25 m
- Mounting bolts pattern: 254 x 114 mm and 254 x 165 mm
- Mounting: Foot forward mounting only.

Line Pull and Rope Capacity

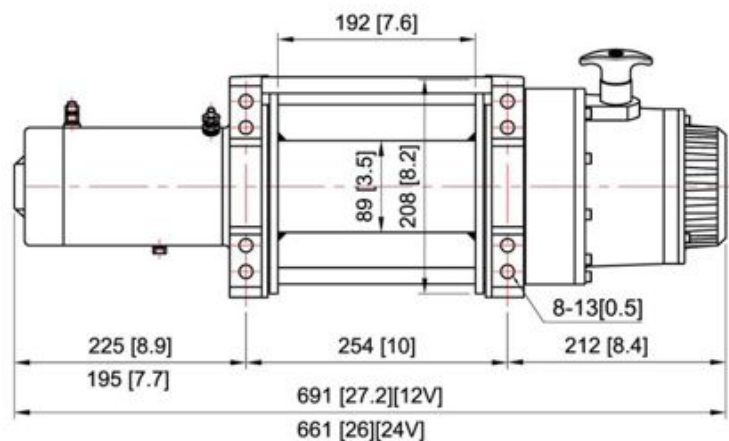
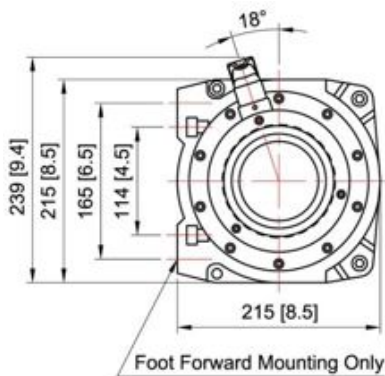
ROPE LAYER	PULL BY LAYER (KG / LB)	TOTAL ROPE ON DRUM (M)
1	8 181 / 18 000	5.4
2	6 546 / 14 431	12.2
3	5 456 / 12 028	20.5
4	4 677 / 10 311	25.0

LINE SPEED AND AMP DRAW

(1st Layer of Wire Rope on the Drum)

LINE PULL	LINE SPEED	AMP DRAW	
KG / LB	MPM	12V	24V
No Load	8.6	35	40
1 814 / 4 000	4.0	115	70
3 629 / 8 000	3.6	200	140
4 536 / 10 000	3.2	230	180
5 443 / 12 000	2.8	260	210
6 804 / 15 000	2.3	320	260
8 181 / 18 000	1.0	350	320

Dimensions mm/inch



NB: Neither the roller fairlead nor the solenoid enclosure mount to the winch.

Packaging

- Winch Weight: 59 kg
- Gross Weight: 71 kg
- Box Dimensions: 695 x 265 x 420 mm

Accessories

- Roller fairlead
- Remote control 5 m cord
- Detachable control box
- 1.8 m 2-gauge battery lead
- Wire rope w safety hook
- Hand-saver strap
- Cable tensioner (OPTIONAL)
- Winch accessory kit (OPTIONAL)

WARNING!

- Do not use winch to transport, lift or otherwise move personnel.
- The rated line pull shown is based on the first layer of wire rope on the drum.
- The wire rope must remain on the drum at all times with at least 5 wraps.

Warranty

Limited lifetime warranty for mechanical components and one(1) year warranty for electrical components from date of purchase. Wire/Synthetic ropes are not included under warranty.