

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.
- Standard Compliance:
CE Machinery Directive 2006/42/EC
CE Electromagnetic Compatibility Directive 2004/108/EC

• DV Series / 2,500 ~ 4,500 lb



DV-4500i Utility Duty Winch

- Rated Line Pull: **2,041 kg / 4,500 lb**
- Part Number: **PN 641656** 12V DC motor
PN 642037 24V DC motor

DV-3500i Utility Duty Winch

- Rated Line Pull: **1,588 kg / 3,500 lb**
- Part Number: **PN 641101** 12V DC motor
PN 641371 24V DC motor

DV-2500i Utility Duty Winch

- Rated Line Pull: **1,134 kg / 2,500 lb**
- Part Number: **PN 640333** 12V DC motor
PN 640614 24V DC motor



- 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

SPECIFICATIONS : (DV-4500i/3500i/2500i)

- **Rated line pull :**
DV-4500i : 2,041 kg (4,500 lb) single line
DV-3500i : 1,588 kg (3,500 lb) single line
DV-2500i : 1,134 kg (2,500 lb) single line
- **Motor :**
DV-4500i : 1,200 w / 1.6 hp, 12V / 24V permanent magnet
DV-3500i : 900 w / 1.2 hp, 12V / 24V permanent magnet
DV-2500i : 600 w / 0.8 hp, 12V / 24V permanent magnet
- **Gear ratio :** 3-stage planetary 170:1
- **Clutch (freespooling) :** Sliding ramping
- **Brake :** Automatic load-holding mechanical brake
- **Drum size :** 54 x 83 mm (2.1" x 3.3")
- **Control :** Handheld pendant switch remote control
- **Rope type :** Galvanized aircraft A7 x 19
- **Rope size :**
DV-4500i : 6.3 mm x 15.2 m (1/4" x 50')
DV-3500i : 5.5 mm x 15.2 m (7/32" x 50')
DV-2500i : 4.8 mm x 15.2 m (3/16" x 50')
- **Mounting bolts pattern :** 86 x 93 mm (3.4" x 3.7")
- **Winch weight (including rope) :**
DV-4500i : 14.2 kg / 31.2 lb
DV-3500i : 13.9 kg / 30.6 lb
DV-2500i : 13.5 kg / 29.7 lb
- **Gross weight :**
DV-4500i : 18.2 kg / 40 lb
DV-3500i : 17.9 kg / 39.4 lb
DV-2500i : 17.5 kg / 38.5 lb
- **Box dimension :** 462 x 271 x 185 mm (18.2" x 10.7" x 7.3")

PERFORMANCE DATA (DV-4500i)

Line Pull and Rope Capacity		
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	2,041 / 4,500	2.4 / 7.9
2 nd	1,688 / 3,722	5.3 / 17.4
3 rd	1,440 / 3,174	8.7 / 28.6
4 th	1,255 / 2,766	12.6 / 41.4
5 th	1,112 / 2,451	15.2 / 50

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	6.5 / 21.3	25	10
454 / 1,000	5 / 16.4	110	55
907 / 2,000	3.6 / 11.8	210	95
1,134 / 2,500	3.2 / 10.5	240	110
1,361 / 3,000	2.5 / 8.2	270	120
1,588 / 3,500	1.8 / 5.9	290	140
1,814 / 4,000	1.4 / 4.6	310	155
2,041 / 4,500	0.4 / 1.3	330	170

PERFORMANCE DATA (DV-3500i)

Line Pull and Rope Capacity		
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	1,588 / 3,500	2.7 / 8.9
2 nd	1,340 / 2,954	6 / 19.6
3 rd	1,159 / 2,555	9.7 / 31.8
4 th	1,021 / 2,251	13.9 / 45.7
5 th	913 / 2,012	15.2 / 50

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	6.5 / 21.3	25	10
454 / 1,000	5 / 16.4	110	55
907 / 2,000	3.6 / 11.8	200	100
1,134 / 2,500	3.2 / 10.5	230	115
1,361 / 3,000	2.5 / 8.2	260	140
1,588 / 3,500	1.8 / 5.9	300	180

PERFORMANCE DATA (DV-2500i)

Line Pull and Rope Capacity		
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	1,134 / 2,500	3.1 / 10.2
2 nd	975 / 2,149	6.7 / 22
3 rd	855 / 1,885	10.8 / 35.5
4 th	761 / 1,678	15.2 / 50

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	5 / 16.4	30	10
454 / 1,000	3.5 / 11	80	55
907 / 2,000	2.3 / 7.5	150	115
1,134 / 2,500	1.3 / 4.2	200	140

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

