

# 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 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



## 4,500 - 3,500 - 2,500 LB 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)

### SPECIFICATIONS :

#### 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 train & ratio :** 3-stage planetary 170:1

**Clutch (freespooling) :** Sliding ramping

**Brake :** Mechanical spring applied and permanent magnet motor dynamic brakes together

**Drum size :** 54 x 83 mm (2.1" x 3.3")

**Control :** Handheld pendant switch remote control

#### Rope :

DV-4500i : Galvanized aircraft A7 x 19, 6.3 mm x 15.2 m (1/4" x 50')  
DV-3500i : Galvanized aircraft A7 x 19, 5.5 mm x 15.2 m (7/32" x 50')  
DV-2500i : Galvanized aircraft A7 x 19, 4.8 mm x 15.2 m (3/16" x 50')

**Recommended battery :** 650 CCA minimum for winching

**Battery lead :** 1.5 m (5') 6 gauge battery lead

**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 :** 470 x 280 x 200 (18.5" x 11" x 7.9")

### PERFORMANCE DATA :

#### Line Pull and Rope Capacity

Model Number	DV-4500i		DV-3500i		DV-2500i	
	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 <sup>st</sup>	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 <sup>nd</sup>	1,688 / 3,722	5.3 / 17.4	1,340 / 2,954	6.0 / 19.6	975 / 2,149	6.7 / 22.0
3 <sup>rd</sup>	1,440 / 3,174	8.7 / 28.6	1,159 / 2,555	9.7 / 31.8	855 / 1,885	10.8 / 35.5
4 <sup>th</sup>	1,255 / 2,786	12.6 / 41.4	1,021 / 2,251	13.9 / 45.7	761 / 1,678	15.2 / 50
5 <sup>th</sup>	1,112 / 2,451	15.2 / 50	913 / 2,012	15.2 / 50	-	-

#### Line Speed and Amp. Draw ( 1<sup>st</sup> 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
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	-	-	-	-

#### DIMENSION mm/in :

