

DEFENSE & SECURITY WINCH

EXTREME PERFORMANCE

Incredible, Submersible, Sealed, Waterproof, Defense & Security Winches

COMEUP premium quality winches have been to the North Pole, the South Pole and nearly everywhere in between. Defense & Security winches feature corrosion resistance exceeding 720 hrs. and the contactor & motor are potted providing complete protection. Double lip and spring seal at drum housings and rubber seals at motor and gear housing joints for an IP68 waterproof and dustproof rating. With line pull capacities up to 22,000 lb and a limited lifetime warranty the Walrus Series from COMEUP will exceed your performance and durability expectations.

▶ Walrus Series 18,000 - 22,000 lb



- ▶ Limited Lifetime Warranty for Mechanical Components.
- ▶ Three (3) Years Warranty for Electrical Components.

WALRUS SERIES

18,000 - 22,000 lb pulling capacity



- 1 Fully Sealed Contactor & Motor**
Potted contactor and motor provide complete protection from water penetration and allow dependable operation in up to 1.8 meters of water.
- 2 Military Connector**
Industrial duty remote control with twist-on connector to provide total protection from water.
- 3 Aluminum Alloy Housings**
Tough aluminum alloy die cast housings can withstand forces greater than 2 times the winch's rated capacity.
- 4 Double Lip and Spring Seal at Drum Housings**
Rubber seals at motor and gear housing joints for superior water protection.
- 5 Rapid Wire Rope Payout & Clutch Reposition**
An ergonomic T-handle positively engages the free spool clutch through multiple evenly spaced locking holes. Clutch handle can be repositioned at 90 degree increments to allow easy access in various winch mounting positions.
- 6 Hardened Steel 3-stage Planetary Gear Train**
Rugged and quiet planetary gears for maximum mechanical efficiency.
- 7 Automatic, Full Load Cone Brake Structure (CBS)**
U.S. Germany, U.K. France, etc patented mechanical cone brake mounted outside the drum expedites heat dispersion and holds the full load without slippage.
- 8 Standard Accessories**
Comes with cable tensioner and roller fairlead as standard.
- 9 Protective Thermal Sensor LED**
Waterproof remote control with thermometric LED indicator to alert the operator if the motor begins to overheat, protecting the winch from damage.

Corrosion resistance 720 hrs Qualified IP 68 (Ingress Protection Rating)

- Walrus winches comply with the requirement and acceptance condition of IEC 60529 Edition 2.1:2001 ingress of protection provided by Enclosure-IP68.
- Meets international standards of CE Machinery Directive 2006/42/EC, CE Electromagnetic Compatibility Directive 2014/30/EU, and SAE J706 surface vehicle standard 2003-08 rev.



Walrus 22.0

22,000 LB Defense & Security Winch

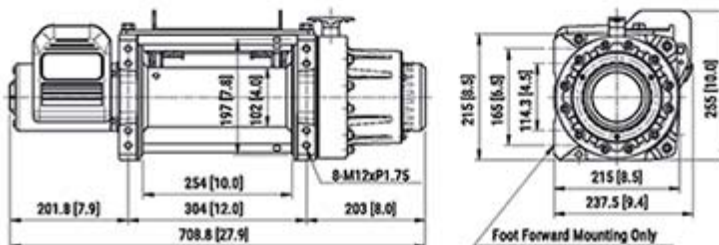
PN 282210 24V (with wire rope, roller fairlead, cable tensioner, remote control)



SPECIFICATIONS :

- Rated line pull :** 9,980 kg (22,000 lb) single line
 - Motor :** 5,220 w / 7.0 hp, 24V series wound w/thermal protection switch
 - Gear train & ratio :** 3-stage planetary 343:1
 - Clutch (freespooling) :** Rotating ring gear
 - Brake (outside the drum) :** Automatic, full load CBS (Cone Brake Structure)
 - Winch construction :** Aluminum die cast housings with steel drum
 - Drum size :** 102 x 254 mm (4" x 10")
 - Control :** Waterproof remote with thermometric indicator LED w/ 5 m (17') cord
 - Rope :** 6 x 29 – IWRC (Breaking strength 126.4 kN), 12.7 mm x 25 m (1/2" x 82')
 - Recommended battery :** 650 CCA minimum for winching
 - Battery lead :** 1.8 m (6') 2 gauge battery lead
 - Mounting bolt pattern :** 304 x 114.3 mm (12" x 4.5"); 304 x 165 mm (12" x 6.5")
 - Mounting :** Foot forward mounting only
 - Winch weight (including rope) :** 80 kg / 176.4 lb
 - Gross weight :** 86.1 kg / 189.8 lb
 - Box dimension, (L x D x H) :** 745 x 275 x 430 mm (29.3" x 10.8" x 16.9")
- *Remark: Only foot forward mounting can meet SAE J706

DIMENSION mm/in :



PERFORMANCE DATA :

Line Pull and Rope Capacity

Layer of Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	9,980 / 22,000	7.0 / 23
2 nd	8,171 / 18,014	15.5 / 50.9
3 rd	6,917 / 15,249	25 / 82

Line Speed and Amp. Draw (1st layer of rope on the drum)

Line Pull kg / lb	Line Speed, mpm / fpm	Amp. Draw, A 24V
No Load	9.0 / 29.5	30
2,268 / 5,000	3.2 / 10.5	100
4,536 / 10,000	2.5 / 8.2	160
6,804 / 15,000	2.0 / 6.6	240
9,980 / 22,000	1.4 / 4.6	330

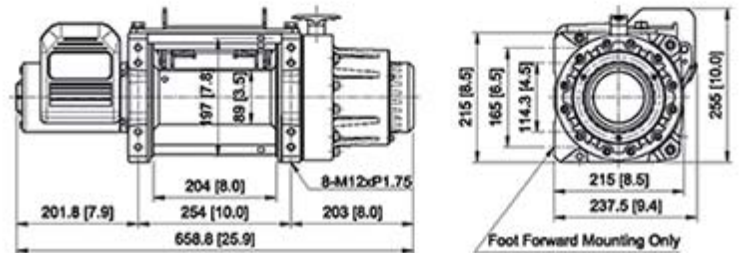




SPECIFICATIONS :

- Rated line pull : 8,165 kg (18,000 lb) single line
 - Motor : 5,220 w / 7.0 hp, 12V series wound w/thermal protection switch
4,474 w / 6.0 hp, 24V series wound w/thermal protection switch
 - Gear train & ratio : 3-stage planetary 343:1
 - Clutch (freespooling) : Rotating ring gear
 - Brake (outside the drum) : Automatic, full load CBS (Cone Brake Structure)
 - Winch construction : Aluminum die cast housings with steel drum
 - Drum size : 89 x 204 mm (3.5" x 8")
 - Control : Waterproof remote with thermometric indicator LED w/ 5 m (17') cord
 - Rope : 6 x 29 - IWRC (Breaking strength 100.7 kN), 11.1 mm x 27 m (7/16" x 89')
 - Recommended battery : 650 CCA minimum for winching
 - Battery lead : 1.8 m (6') 2 gauge battery lead
 - Mounting bolt pattern : 254 x 114.3 mm (10" x 4.5"); 254 x 165 mm (10" x 6.5")
 - Mounting : Foot forward mounting only
 - Winch weight (including rope) : 72 kg / 158.7 lb
 - Gross weight : 78 kg / 172 lb
 - Box dimension, (L x D x H) : 690 x 270 x 405 mm (27.2" x 10.6" x 15.9")
- *Remark: Only foot forward mounting can meet SAE J706

DIMENSION mm/in :



PERFORMANCE DATA :

Line Pull and Rope Capacity

Layer of Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft
1 st	8,165 / 18,000	5.6 / 18.3
2 nd	6,683 / 14,733	12.4 / 40.6
3 rd	5,656 / 12,469	20.4 / 67
4 th	4,903 / 10,809	27 / 89

Line Speed and Amp. Draw (1st layer of rope on the drum)

Line Pull kg / lb	Line Speed, mpm / fpm		Amp. Draw, A	
	12V	24V	12V	24V
No Load	5.2 / 17.1	7.0 / 23	45	35
2,268 / 5,000	2.5 / 8.2	3.5 / 11.5	110	90
4,536 / 10,000	1.6 / 5.2	2.6 / 8.5	190	120
6,804 / 15,000	1.2 / 3.9	2.2 / 7.2	240	170
8,165 / 18,000	0.8 / 2.6	1.7 / 5.6	320	210

