

68 ST E2

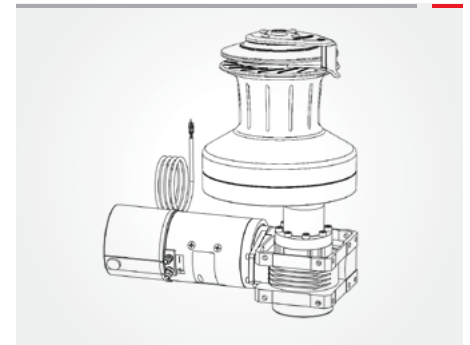
2 speed manual, 2 speed electric, 24VDC

Andersen Powered Winch: RA2068011800

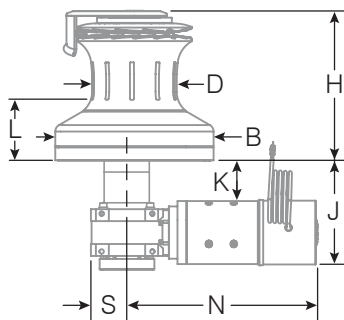
68 ST E2 - Self tailing, E2 electric motor,
2 speed manual, 2 speed electric, 24VDC

Product Information:

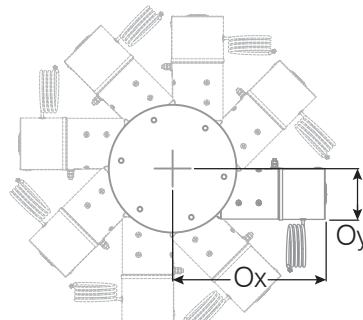
Power Ratio	1st speed = 20.7:1, 2nd speed = 67.1:1
Gear Ratio	1st speed = 5.8:1, 2nd speed = 18.8:1
Maximum Working Load	2000kg (4400lb)
Maximum Pulling Load (when electrically operated)	1900kg (4190lb)



Physical Dimensions:



Rope Size 10-18mm (3/8 - 5/8")
 Drum Ø D 140mm (5 1/2")
 Base Ø B 280mm (11")
 Height H 285mm (11 7/32")
 Line Entry L 130mm (5 1/8")
 Max Deck K 75mm (2 15/16")*
 Gear Length S 73mm (2 7/8")
 Motor Depth J 240mm (9 7/16")
 Motor Length N 382mm (15")
 Weight 43.1kg (95lb)

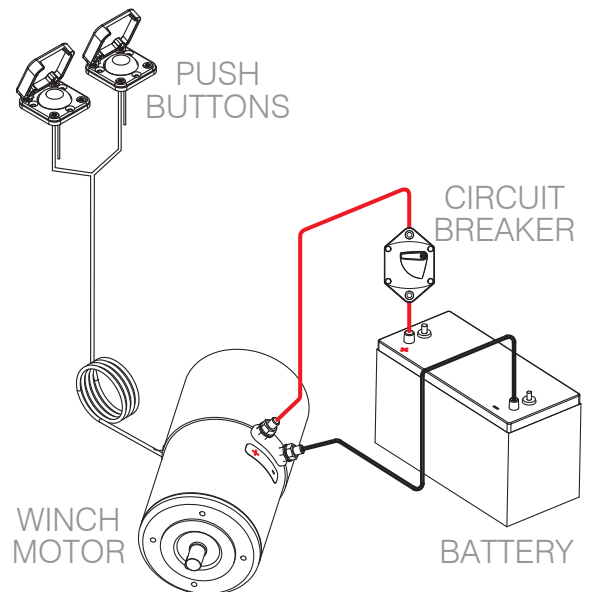


MOTOR OFFSET
 Minimum Oy 130mm (5 1/8")
 Ox 382mm (15")

* Custom 'Max Deck / K measurement' is available upon request.

Full installation dimensions can be found in the Product Manuals - available to download at www.andersenwinches.com.

Wiring Diagram:



Supplied with installation manual, 2 x push buttons and cable terminals. Circuit breaker available separately. See motor unit product manual for push button to motor unit cable connection details.

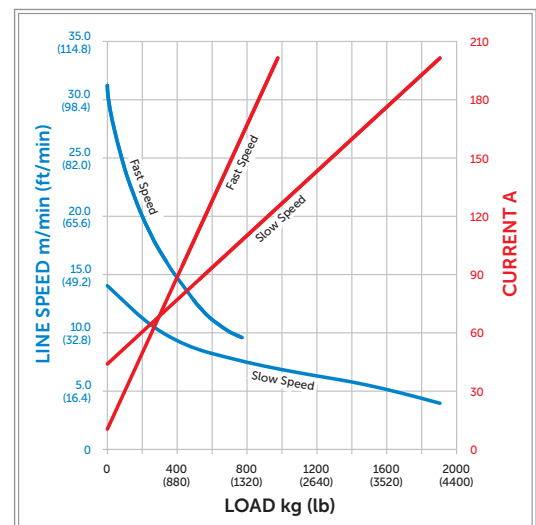
Electrical Installation:

WIRE LENGTH ¹	WIRE SIZE	FUSE or CIRCUIT BREAKER ²	START-UP MOTOR CURRENT ³	ADDITIONAL BATTERY CAPACITY PER WINCH ⁴	MINIMUM BATTERY BANK CAPACITY ⁵
0-3m (0-10ft)	35mm ²	150A	350A	125Ah	200Ah
3-8m (10-26ft)	50mm ²				
8-12m (26-39ft)	70mm ²				
12-16m (39-52ft)	95mm ²				
16-20m (52-66ft)	120mm ²				

- Wire length = length from battery to control box + length from control box to motor.
- Must be a 'slow blow' or 'long delay' type to allow for start-up current spike. Suitable circuit breakers available separately.
- The current "spike" generated at motor start-up, for a period of no more than 0.1 seconds.
- This is the minimum additional Ah (Ampere hours) battery capacity that will be required to run one winch. Assuming a single winch, used for of 15 minutes (0.25hr) per day at a load of 1/2 MWL = 165A. This equates to an Ah figure of 41Ah.

- The number of Ah for all other electrical equipment must be added to this figure to determine the Ah requirement of the total battery bank capacity. A good rule of thumb is to use 3 x this total Ah figure as the minimum additional battery capacity for your battery bank. We recommend you contact a qualified marine electrician for advice.
- This is the minimum recommended battery bank capacity to ensure minimum 21V is maintained in 24V systems at start up current. Based upon battery CCA value at -18C and assuming fully charged batteries and no losses in wiring and connections.

Performance:



The motor will cut-out at pre-determined current and temperature limits.