

72 ST E2

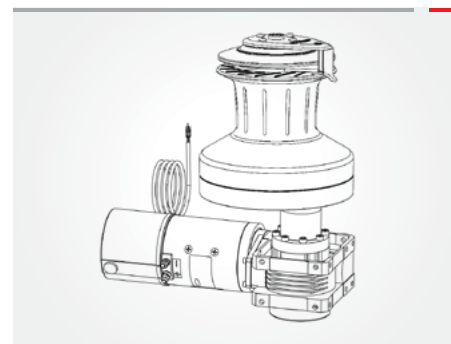
2 speed manual, 2 speed electric, 24VDC

Andersen Powered Winch: RA2072011800

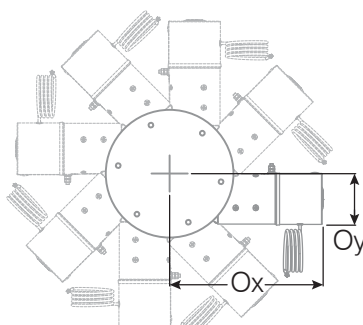
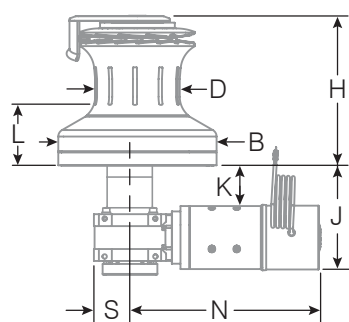
72 ST E2 - Self tailing, E2 electric motor,
2 speed manual, 2 speed electric, 24VDC

Product Information:

Power Ratio	1st speed = 20.7:1, 2nd speed = 72.6:1
Gear Ratio	1st speed = 5.8:1, 2nd speed = 20.3:1
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)

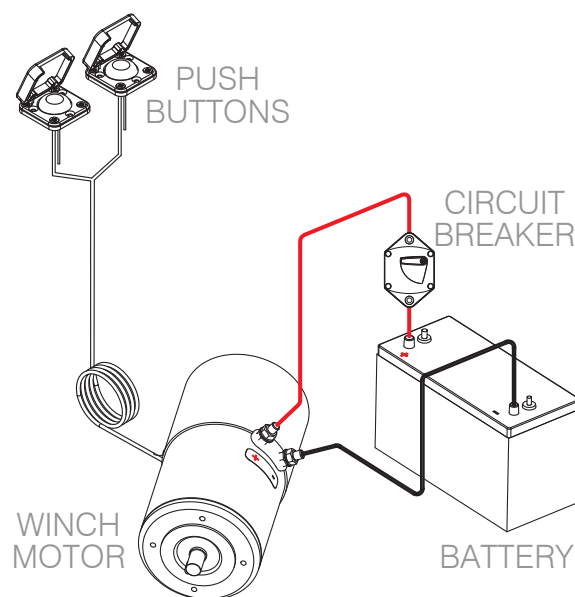
MOTOR OFFSET

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:

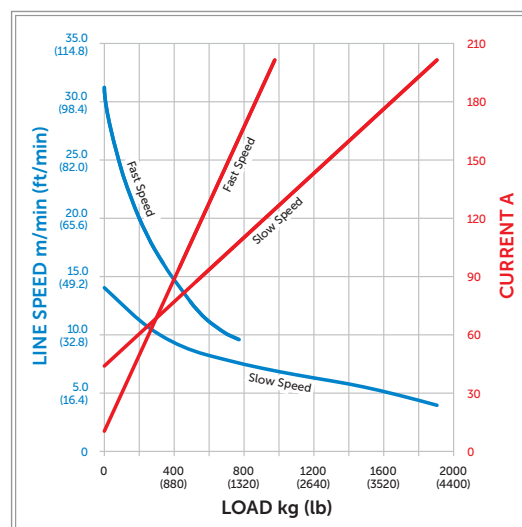
WIRE LENGTH ¹	WIRE SIZE	FUSE or CIRCUIT BREAKER ²	START-UP MOTOR CURRENT ³	ADDITIONAL BATTERY CAPACITY PER WINCH ⁴	MINIMUM BATTERY BANK CAPACITY ⁵
0-3m (0-10ft)	35mm ²	150A	350A	125Ah	200Ah
3-8m (10-26ft)	50mm ²				
8-12m (26-39ft)	70mm ²				
12-16m (39-52ft)	95mm ²				
16-20m (52-66ft)	120mm ²				

- 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.