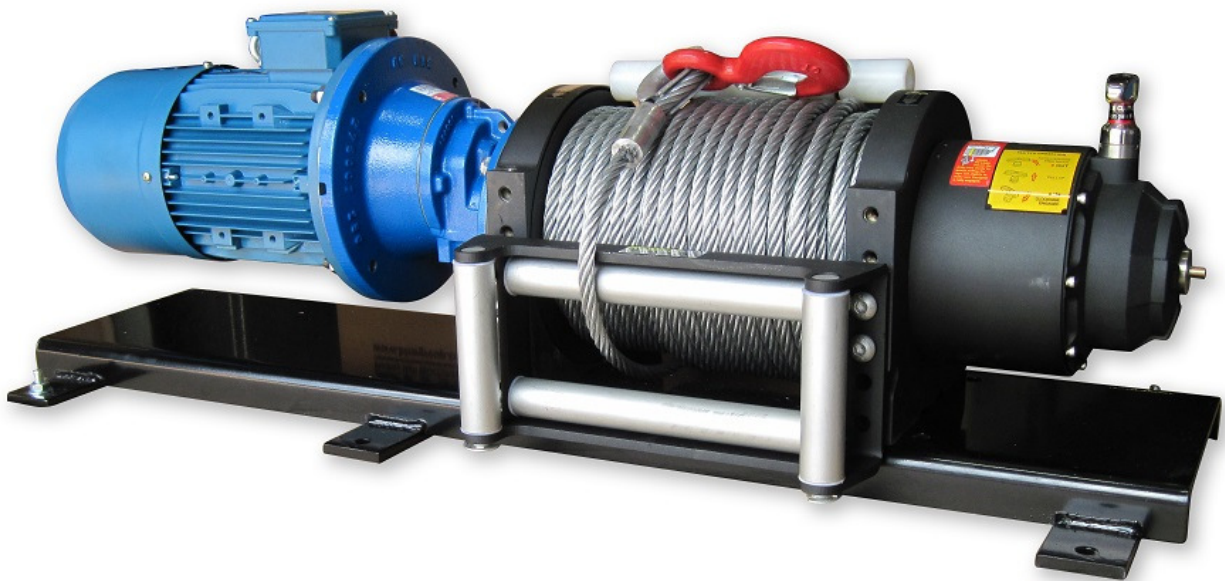


## AC2000 Mk4 HEAVY DUTY 240v x 1ph / 415v x 3ph AC WINCH

2000kg (19.6kN) Line Pull

TYPICAL USES: Plant Moving, Slipways, Machine Movement

*Compliant with BS EN14492-1 Power Driven Winches*



### AC2000 KIT

*Bushey Hall Winchmaster  
Heavy Duty Electric Winch, Low Voltage Controls  
with 3m Wanderlead and Load Limiter*

### OPTIONS

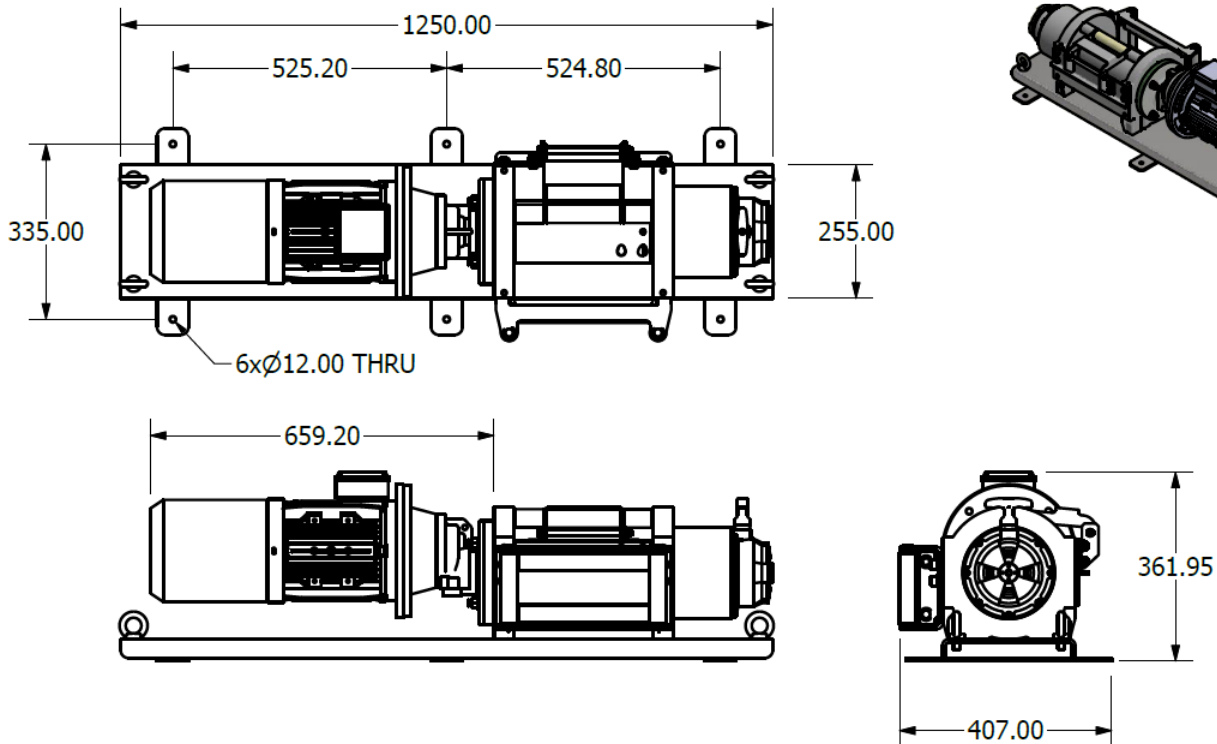
*Mounting plate, Roller Guide, Tension Roller,  
Wireless IN-OUT Control, Wire rope.*

### FEATURES INCLUDE

- **4 Stage Heavy Duty Machined Planetary Gearing** - Providing long life and high mechanical efficiency.
- **Induction braked Motor** – Provides instant, safe braking.
- **Electronic Load Limiter** - Supplied as standard.
- **Freespool Manual Clutch** – Supplied as standard.
- **Secure wire rope anchorage** - Providing full load holding.
- **Low voltage Controls** - With Low voltage in the handset – Includes Emergency stop and 3m cables pre-wired to the winch as standard

## AC2000 Mk4 HEAVY DUTY 240v x 1ph / 415v x 3ph AC WINCH

### WINCH DIMENSIONS



### LEGAL COMPLIANCE

The British Standard for pulling winches BN/EN14492-1, states that any winch sold in the UK or the EU must comply with the essential Health and Safety requirements. To achieve this the following conditions must be met:

The rope used must provide a minimum breaking force (MBF) of 3:1 compared to the Working Load Limit of the winch. Example - for a 2 Tonne rated winch the MBL of the rope must be at least 4 Tonne.

The maximum diameter of the wire rope that can be used must have a minimum ratio of 10:1 compared with the pitch circle diameter of the first layer of rope on the drum. Example - for a winch with drum diameter 90mm and rope 10mm the pitch circle is 100mm so the minimum permissible ratio is 10:1.

The maximum rope length wound on the drum that is permitted must provide a freeboard from the top layer to the edge of the drum flange of 1.5 x rope diameter. Example - a 10mm diameter wire rope would require a 15mm freeboard from the top layer.

All winches applying a force above 1000kg must be load limited.

## AC2000 Mk4 HEAVY DUTY 240v x 1ph / 415v x 3ph AC WINCH

### AC2000 Mk4 WINCH VARIANTS

No.	Voltage	Rated Load per Layer (kg / kN)				Line speed m/min				Wire rope			Rope Length m/layer				Motor Amps	Gear Ratio
		1st	2nd	3rd	4th	1st	2nd	3rd	4th	Ø mm	Length	6370kg	1st	2nd	3rd	4th		
20282	240v	2000/19.6	1732/17	1527/15	1365/13.4	3.7	4.3	4.9	5.5	10	50m	6370kg	10.2	21.6	32	47.3	10.8	304.2:1
20283	415v	2000/19.6	1732/17	1527/15	1365/13.4	3.6	4.3	4.9	5.2	10	50m	6370kg	10.2	21.6	32	47.3	4.8	164.4:1
20284	415v	2000/19.6	1732/17	1527/15	1365/13.4	7	8.1	9.2	10.4	10	50M	6370kg	10.2	21.6	32	47.3	7.8	164.4:1

### SPECIFICATIONS

**Rated Line Pull AC:** 2000kgf (19.6kN).

**Motor Gearbox:** Powerful Induction type braked motor IP54 rating.

**Brake:** 4 stage planetary machined gears to transfer high power and torque to the winch drum.

**Drum size:** Heavy duty automatic In- motor electronic fail-safe brake.

119mm diameter x 264mm length. Flange diameter 240mm.

**Wire Rope:** 10mm Ø galvanised 1960Nmm<sup>2</sup> tensile grade, 6 x 36 wire core construction, 6370kg (69.8kN) minimum braking strain. Maximum length 50 metres. This rope provides the 3:1 Working Load Limit (WLL) required by British standard BS EN14492-1. Rope to drum ratio 12.9:1.

**Freespool Clutch:** Spring-loaded sliding ring gear engaged and disengaged by rotating lever on gear housing.

**Load Limiting Device:** Electronic limiting device to provide 3:1 working load limit (WLL), for compliance with BS EN14492-1.

**Low voltage Controls:** Providing extended service life. They are pre-wired to accept optional wireless control saving significant installation time.

**Wanderlead Control:** 3m control lead supplied as standard. Other wanderlead / extensions options available on request.

**Wire Rope Tensioner:** **Optional.** Spring loaded roller tensioner to assist wrapping.

**Roller Guides:** **Optional.** Heavy duty 4-way commercial type

**Mounting Plate:** **Optional.** Ensures securing holes are all in alignment and not oversized.

**Winch Weight:** 110 kg approximate.

### WARRANTY

Each new winch is guaranteed against defects in workmanship and material defects for a period of twelve months from date of purchase. Wire ropes are not included under warranty.

### NOTES

Not be used for the movement of personnel. Five wraps of wire rope must be maintained on the drum at all times. Date shown is approximate and intended as a guide only.