

# WINCH MACHINE

## (With Electric Wire Rope)



### SALIENT FEATURES

- "ABM" Power Driven Winch Machines are designed as per IS : 9507 - 1979 and are suitable for Heavy Duty applications.
- Speeds other than given in Technical Data can also be available.
- Generally, Winches with Right Hand Operation are manufactured, however the same can be supplied with outer side operation also as per requirement

### BASE FRAME

- Fabricated with Rolled Steel Sections / Plates properly ribbed, floored with Chequered plate for working area, Lifting lugs, Anchoring Holes for foundation, provided.

### REDUCER

- 1st stage reduction with Worm Reduction Gear Box of reputed make & other reduction with open Spur Gears & Pinions.

### ROPE DRUM

- Steel Fabricated Drum duly machined, with flanges at both ends, winding capacity 100 mtr. of Wire Rope.
- Drums with larger winding capacity is also available.

### WIRE ROPE

- 6 x 19, IWRC construction, best plough steel conforming to IS - 2266 is supplied with Winch machine at extra cost.

### MOTORS

- High Starting Torque, class 'B' Insulation, 150 Starts / Hr, 415 V, 50 Hz, 3 Phase, A.C. Insulation, Squirrel Cage / Slipring Motors conforming to IS-325 of reputed make like NGEF / AEI / SIMENS etc.

### CONTROL & CONTROL PANEL

- The winch is operated by Push Button Station / controller at 110 V, fixed on machine.
- The Control equipments like Tripple Pole Reversible Contactors, H.R.C. fuses, Pilot Lamp etc. of reputed make like EE / BCH / LT are housed in dust & Vermin Proof Steel Sheet Panel Box.
- One step down transformer is also provided for safety of operating Personnel.
- Overload Relay with single Phasing protection is provided at extra cost.

### BRAKE

- Electromagnetic / Electro Hydraulic Thruster, DOuble Shoe Type Brake and / or Hand Operated brake provided as per requirement.

### LIMIT SWITCH

- Rotary Gear Type Switch is provided to prevent over Hoisting / Traveling at extra cost, if required.

### TEST

- All machines are tested at 25% overload.

### SPECIFICATION

Item Code No.	Rope Tension in Kg. Capacity	Rope Speed in Mtr / Min	Rope Dia. in mm	Motor Power in H.P.
ABM-FM-6220	1000	7	10	3
ABM-FM-6221	1000	10	10	5
ABM-FM-6222	2000	7	13	5
ABM-FM-6223	2000	10	13	7.5
ABM-FM-6224	3000	7	16	7.5
ABM-FM-6225	3000	10	16	10
ABM-FM-6226	5000	6	22	10
ABM-FM-6227	5000	9	22	15
ABM-FM-6228	8000	7	28	15
ABM-FM-6229	8000	7.5	28	20
ABM-FM-6230	10000	4.5	32	15
ABM-FM-6231	10000	6	32	20
ABM-FM-6232	12500	3.6	36	15
ABM-FM-6233	12500	6	36	25
ABM-FM-6234	15000	4	40	20
ABM-FM-6235	15000	6	40	30
ABM-FM-6236	20000	3	50	30
ABM-FM-6237	20000	7.5	50	50

All Specifications are subject to change towards improvements without any prior notice.

**Manufactured by ABM Fasteners (India) and Export Marketing by ABM Tools**