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POWERTEK EQUIPMENT CO.

AN ISO 9001:2008 CERTIFIED COMPANY

MFG & Exporter of Geared Motor Gear Boxes & Electric Winches .

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5 TON ELECTRIC WINCH MACHINE



POWERTEK ELECTRIC WINCHES TECHNICAL DATA

MODEL	5 TON ELECTRIC WINCH MACHINE
BASE FRAME	Fabricated with rolled steel section/plates properly ribbed floored with plate for working area with lifting lugs provided. Weight=1500 KG, Frame Size = 2082 mm x 1727 mm IS MB Size = 200mm x 75mm.
ROPE DRUM	Drum fabricated with seamless pipe duly machined with flange at both and with roller bearing on both flange. DRUM CAPACITY:- 300/500 meters, WIRE ROPE :- 16mm/19 mm dia
REDUCER	1 st Stage helical Reduction gears box . 2 nd Stage Reduction with spur gear and pinion (GEAR BOX SIZE HC 500)
MOTOR	TEFC SQ. Cage 10H.P / 15H.P Crane Duty Motor 400/415V, 50Hz, 3PH. Class of insulation F, IP- 55 Protection, S4Duty, CDF 40%. No of Start Stop150 per hour
DRUM & PINION SHAFT	Make of EN8 forged steel material.
ROPE SPEED	4 - 6 Meters / minutes or 6-8 meters/min at last layer
COUPLING	Brake drum coupled on motor shaft and input shaft of gear box pinion on out shaft of gear box.
BRAKE	Electro hydraulically operated Double shoe thruster brake. (Dia of brake:-200mm of Reputed Make)
CONTROL	The winch is operated by master control with four Steps forward and reverses in slip ring motor. In squirrel cage motor is operated by reverse forward pendent push button station.
CONTROL PANEL	Control panel suitable for motor provided with contactor, overload relay, amp/volt meter, Push Button for on and off, lamp for incoming supply, HRC fused & Step Down Transformer and control panel is weather proof.
PAINTING	Two coats of red oxide and enamel Paint.
SAFETY FEATURES	Hand operated brake for emergency stop provided. Overload tripping system for motor. HRC fuse, Miniature <i>Circuit Breaker</i> & Step Down Transformer for safety of the operating personal and control panel is weather proof.

Note: Resistance box and master controller is applicable only in slip ring motor.