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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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## 3 TON ELECTRIC WINCHES



## POWERTEK ELECTRIC WINCHES TECHNICAL DATA

<b>MODEL</b>	<b>3 TON ELECTRIC WINCH MACHINE</b>
<b>BASE FRAME</b>	Fabricated with rolled steel section/plates properly ribbed floored with plate for working area with lifting lugs provided. Weight=1000 KG Frame Size = 1800mm x 1524mm IS MB Size = 150mm x 75mm.
<b>ROPE DRUM</b>	Drum fabricated with seamless pipe duly machined with flange at both and with roller bearing on both flange. DRUM CAPACITY:- 300/450 meters, WIRE ROPE :-14mm/ 16mm
<b>REDUCER</b>	1 <sup>st</sup> Stage Worm Reduction gears box of NU-Series PEC make 2 <sup>nd</sup> Stage Reduction with spur gear and pinion (Size of Gear Box) = NU 6. Ratio = 1:40
<b>MOTOR</b>	TEFC SQ. Cage 5H.P/7.5H.P Crane Duty Motor 400/415V, 50Hz, 3PH. Class of insulation F, IP- 55 Protection, S4Duty, CDF 40%. No of Start Stop150 per hour
<b>DRUM &amp; PINION SHAFT</b>	Make of EN8 forged steel material.
<b>ROPE SPEED</b>	4 - 6 Meters / minutes OR 6-8 meters/min. even more
<b>COUPLING</b>	Star coupled on motor shaft and input shaft gear box flexible pin bush coupling on out shaft of gear box and input shaft of pinion.
<b>BRAKE</b>	Electro hydraulically Double shoe thruster brake. (Dia of brake:-200mm of Reputed Make)
<b>CONTROL</b>	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.
<b>CONTROL PANEL</b>	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.
<b>PAINTING</b>	Two coats of red oxide and enamel Paint.
<b>SAFETY FEATURES</b>	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.