Motor

Motor or Electric motor 2000 electro-mechanical energy divici & sit electrical energy and mechanical energy it convert that & I at device it principle of produce and & at the deviction motor states that force is experienced in the deviction perpendicular to the magnetic field and the current when field and current when field and current wie made to inflerent with each other.

Motor Motor Special Motor Special Motor Synchronous Motor Induction molor Justin Single phase 3 phase rushless Brushed

Evins 8 nunt compound Removent vound wound wound magnet

Induction molocus -Induction motor at asynchronous motor of their & I san induction motor it, toleque and produce and to fare 3/1921 noton the elicteric current staton working to redating magnitic filed at electeromagnetic induction of their the भारत होता है। Syncheronous speed 27 notory machine of magnetic field on restation on speed &, 3112 218 machine on seeguency 31/2 mo of poles of interpretation motors EHRIT 31471 synchronous speed A onthe spud 42 undi Él stator A 3041190 ples notating magnetic field noton A feux : येवा वर्षमा विस्ते सर्वाव ट्यूमता है। हेर्वावस À plux current 31/2 stator à plux avoint के बॉप lag के कारण, Rolor कमी भी अपनी notating magnetic field des rei 45-1 48-11 - Mosses in Induction motor :-There are two types of losses occur in includion molor: @ constant or fixed losses O Vacuable losses O constant or fixed losses:
constant losses à loss à loss à loss de losse induction molère à normal working range OR constant deal Hin did El 3 phase induction motor 42 no load test करके fixed losses आसानी में प्राप्त किया जा atthat & !

These losses are further classified as: -D'ion ou core losses @ mechnical losses 3 Brush feriction losses 1 Euron ou cour losses: guon ou come losses and function at quant aict it stand & - tysteresis and eddy current losses. Core TR lamination of 3421101 à eddy circums losses on out 199211 of strail & 1 come of laminate and it, area cital & site resistance वद्या है, जिसके परिणामस्वरूप eddy current में कामी 31101 El High Grade selicon Steel 911 3421101 one tysteresis loss of AH 19741 det & The come losses dipond upon ferguercy of the leepply vollage. 2 Michanical d Brush efection hosses: Mechanical losses occur at the bearing and brush quiction hoss occur in wound holor induction motor. It losses 85% At zero orien & site speed it indease in 21121 27 cosses ore ord \$1 3 phase induction motor of speed constant 26% & STIME IT loss motter constant REAT E

variable hosses:
variable losses and copper loss all and the

variable losses and leador winding it about

years of arrul state the part of wood gardens

years of arrul state the part of wood gardens होता कार विवास अपने हैं आहे हमारिए में नुकसान भी वदल जाते हैं। इसावर य eosses ant variable losses met entat et ! 15th 1160 1160 27/4/20 1160 001 xxx - (25) boothisil Feature & characteristis of energy efficient Motor: Motor 8120 :- Motor and size set yank and set for के बील ही । Motor विशाल होने पर इसकी परिचालन प्रमा कम हो जारी हैं। mistor के अचिक कड़े अमार के कारण उट्य निवेश लाहात, उट्य जालन लाहात, 324 मिवम भियर लागत, उटम अनुरसण कव १. ह की असम्मा अत्पन्त होती है। a) operating speed: - High speed motor and agreed:

At 31121 45 941 El 3) tigh moust current: - energy efficient motor motor की जुलमा में अट्य धारा धंपारीत करती है। इस उट्य धारा की अवाधी बहुत कम होती

होती हैं जिससे थान्त्रिक रक्षण अन्त्र १६५ हो जीते र्थ। अतः क energy efficient motor में magnetic - Estimation of motor hoading: 1) By measuring Enpit Power: - असे क्यात करने के लिए विस्ता प्राप्ता किया जाता है। hoad (%) = P1 x 100 where, P, - 2 mout energy in KW on Pe - Input energy in KW on Rated Full load By measuring him current:

The method motor of 75%.

The method motor of 75%. ac and El (%) = Palace PIR airi x100
Motor STRA (%) = Palace Paulka airi Motor FIRA (1.) - [Alace

3) By slip method :

motor Inter (1.) = Slip × 100

(Ns-Nt)

NS - symphomores speed (2pm)

Nr - Rotor speed (2pm)

Variation in efficiency and Power factor with Electric motor of 50%. It 100%. Rated Good पर यलाने के लिए duign किया क्षेत्रा है। या है अधिकतम Gendi 3/14/01/2 UR Rated Road in 75 % in पास होता है। इस प्रकार 1041 meter में इसे 10 मार श्रीमा हाता है। पीक 971d1 7-5 HP & 1 (afficincy)) 60%. 20% 20% 904, 60%, 80%. (hoad) -> असे-असे efficiency बढता है वैसे-वैसे Power factor AT OF SION PF Include on the of लों स्मिल्लालय भी उसके आय में बल्ला है। Tips you enugy sewing in motou:-Electric motor Hi 1744 methods on 3427/31 onzan envegey consoure 190211 et 219701 & :-ा विद्युत अंचरण हानियों की कम करके 2) Electric motor an vivor an ager an @ अंचरण अणाला में यंन्त्रिक hoss की पराकर @ Emergey efficient motor on Hillet ands

motor of realing 31/2 8112 to Bruch Front of अयोग करके। 6) High Power factor at maintain 124 The mount to file wi 29/4/20 has and 18 missile missile Missile 1 1 3 9H 2-1 145P (bood) which were the fib to that warrings the fit \$ 15 INGO MANDER PF 1900 OF 150 PF 1 % मार्ग कि उसके हमार के बहुत कि The year enright someth in wegen; Electric motion it that methods our sending of the conserve form all alless & केम्ल सक कि किया अपने के का कि (2) रहाद्वितंह गणनावस् की वर्षाण के वर्षा प्र 1312 to April

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