03)
$$n_h = \frac{120.f}{p} = \frac{120.60}{6} = 1200 RPm$$

b)
$$S = \frac{mS - mR}{mS} = \frac{1200 - 1140}{1200} = 0,0500$$

C) Il campagamento será de 100%, Pois está trabalhando a plena carga.

Canney =
$$\frac{10,0000}{10,0000} \times 100 = 100,0000\%$$

$$(3) = \frac{7350}{140 \cdot 200}$$

$$S = \frac{N5 - NR}{N5} = \frac{1200 - 4198}{1200} = 0,0017$$

$$0 = \frac{7350}{4140 \cdot 200}$$

$$0 = \frac{7350}{4140 \cdot 200}$$

04)
$$\frac{40.F}{NS} = \frac{120.50}{8} = 750 RPm$$
 $NR = (1 - 5). NS$
 $NR = (1 - 0.0500).750$
 $NR = 712,5000 RPm$

C)
$$\sigma_{0} = \frac{7460}{712,5000 \cdot \frac{20}{60}}$$
 $\sigma_{0} = 99,9828 \text{ Nm}$

* Encontrando a Potência de entra-

$$Pin = \frac{74600}{0,9125} = 81753, 4247 W$$

* Encontrando a comente nomi.

$$NS = \frac{120.60}{8} \qquad NR = (1-5). NS$$

$$NR = (1-0.0300). 900$$

$$NS = 900 RPm \qquad NR = 873 RPm//$$

$$C)$$
 $= \frac{74600}{873 \cdot \frac{20}{60}}$

d) Spantida =
$$\frac{900 - 0}{900} = 1$$

5 nominal = 0,0300

07)

$$\alpha \mid \sigma p = 250 \cdot \left(\frac{230}{380}\right)$$

 $\sigma p = 83,7950 \text{ Nm}$
b) $500 = \frac{380}{Z_{1N}}$ heye' $I = \frac{220}{0.76}$
 $2!_{N} = 0.76 - 2$ $I = 289,4337 \text{ A}$

hogo:
$$150 = \frac{V^2 \cdot 230}{440^2} - 0 V^2 = \frac{440^2 \cdot 220}{150} - 0 V^2 = 43592000$$

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08) Ws=	120,60
	a

NS = 3600RPm

hogo:
$$5 \text{ tmáx} = \frac{3600 - 3500}{3600}$$

STMÁX = 0, 0222

XBL = 0,3 -> 513,5135 1/

fnoton = 0,0aaa. 60

fnoton = 1,3333 HZ//

Lo 13,5033 L 88,7270°-1

CON (88, 7270°) = 0, 0222

Snom = 0,0500

Xa= 0,0500. 13,5000-0 Jo,6750.2

hogo:

ZIN= 0,3+ JO, 6750

Lo 0,7387 LG6,0375°

CON (66, 0375°) = 0,4061

(09) (1)
$$NS = \frac{120.f}{p} = \frac{120.50}{10}$$

NS = 600 RPm

b)
$$5 = \frac{600 - 550}{600} = 0,0833$$

$$S = \frac{3}{60} = 0,0500$$

$$N_5 = \frac{120.60}{4} = 1800 RPm$$