

# PARAMETRI MOTORE ASINCRONO LABORATORIO AZIONAMENTI

$$R_s = 1.95 \Omega \text{ (PROVA VOLT-AMPEROMETRICA)}$$

$$L_s = 243 \text{ mH (PROVA A VUOTO } I_0 = 2.85 \text{ A)}$$

$$\delta L_s = 21 \text{ mH (PROVA A ROTORE RILASCIATO)}$$

$$\frac{L_M^2}{L_r} = L_s - \delta L_s = 222 \text{ mH}$$

$$L_{\delta s} = 10.5 \text{ mH}$$

$$L_{\delta r} = 11.0 \text{ mH}$$

$$L_M = 233 \text{ mH}$$

$$L_r = 244 \text{ mH}$$

$$R_r = 1.68 \Omega \text{ (VISTA DAL ROTORE)}$$

$$J = 0.0086 \text{ Kg m}^2$$

## DATI DI TARGA

$$V_N = 380 \text{ V (A STELLA)}$$

$$I_N = 7.3 \text{ A}$$

$$P_N = 3 \text{ kW}$$

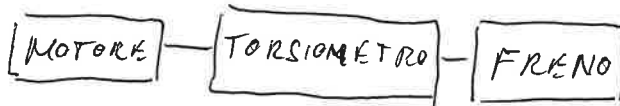
$$f_N = 50 \text{ Hz}$$

$$n_N = 1400 \text{ giri/min (P=2)}$$

$$\eta_N = 96\%$$

$$\text{F.P.} = 0.82$$

PROVA SOTTO CARICO



$$I = 7.32 \text{ A} \quad n = 1412 \text{ giri/min} \quad C = 23.3 \text{ Nm} \quad S = 0.059$$

$$\varphi = 34.2^\circ = 0.597 \text{ rad} \quad \begin{cases} \cos \varphi = 0.827 \\ \sin \varphi = 0.562 \end{cases}$$

~~POTENZA APPARENTE ASSORBITA~~