CONV2, PARCIAI #3. MS.

 $MS: 45HP, 208V, pf = 0.8(+), "\Delta", 60H2$ $X_s = 0.65 pu, RA = 0$ PF8V = 1.5 kW, Pc = 1.0 kW.

@ PLI POUT = 45 HPX 746 W

PIN= POUT + Pelict + PFRV + Pe; SIN= PIN
12 7-BASE = 3 VLN = VLL PARA "".

Xs = ZBOSE X XS, Pu

a) @ POUT = 25 HP & pf = 0.80): IA, IL, EA?

IL= PIN 3 IA= IL/V3

EALE = Volo - jxs Idle; = cos pf

b) @ Pout = 45 HP & pf = 0.8(+) : EN (C) LOS CALCO-LOS Y EN (b) Diagrama Fasorial.

C)

PIN = 3VO EA Sen 8'; EA = EA ya que IF = Coust.

X5

X5 PIN

S' = Sen' (X5 PIN); IA= VOLO - EALS'

TAS YAS

Enganged on Component

EA LS' > VA = EA COSS > VA

SUMINISTRA Q, opera sobre-excitado,

d) Ea Sens" = (%) Ea Sens'

8" = Sen" [(%) Sens']

IA LA" = VALO - Ea LS"

EA LS" = VALO - j'XS IALO"

Ea Sens" < VA

BASOESTE Q

