## Weritson F. de O. Alves - 96708 - ELE 492

(4.9) corga: Desequiblicada, (Y), sem neutro, Za:10, Z8=15(30°, Zc:10/-30° Fante: \$ 1: 208 V IL=?, V==?, P=?, Q=?

Fante! VAM = 120.1200 , VAS = 208 (300 V Von = 120,1 (-1200 , Voc = 208/-900 V Von = 120,1 /130° 1 Von = 208/150° V

Corgo: YA = 0.1, YA = 0.07 (-30°, Yc = 0.1 (30°) 1 Vmm' = - Ya Van + Y8 Van + Yc Van - 99(M) 100 100 100 (-137.) A YA +YA + Yc +Ym = 23.21 2-24.5 V

In = VAM +Vmn' = 14, 14 (-3.3° A 10= 10,2 /140,4° A

10001 <-100.01 <-100.00 1 VCN' = 102.00 (110.910 V

VANI = IA ZA = 141.45/-3.90 V Pus 5 = VANIX ÎA + VONIX Î + VCNI ÎC = 3733.6/-0.61° VA P=3733.6 (Bo(-0.61)=3733.4=3.73KW 0 = 3733.6 Dan(-0.61) = -39.75 = -0.04 KVAF

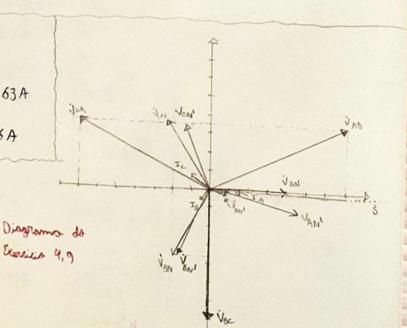
(4.10) Unidose trifoses : 1.5KW, FP=1 Motor: 5HP, 7 = 0.8, FP= 0.85 Fonte: 1/2:2081, 3 pios I=? , FP = ? 5+= 5m+ 5 = 5483/3177°+1500/0 = = 6804, 11 /25,12° VA

1. Unidade de aquicimento S= P = 1.5K = 1.5KVA = SUA Motor: 5HP = 3.73KW 7 = Ps + PE = 4660.63W 5 = PE = 5483.09 VA + 5 = 5483.09/31.79° VA

5, = VLIL V3 = 15,1 =7 IL = 18.89 A

FP = coo(25.12°) = 0.91 unsuliva

(9,11) Transformoson: 15 KVA, 13,8 KV/220V Ip = ? , Is = ? 5, = 5, = (i) 5= 4 Ip 13 + Ip = 15K = 0.63 A (ii) 5, = V, t, 13 = T t, = 15k = 39.36 A



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