Proted = 4-kW = 4000W 8, = 1.4050, 82 = 1.335 sz, V_ = Vrated = 400 V Given: -Nooted = 1430 pm , f = 50Hz , P = 4 Ns= 120+ = 1500xpm 1500-1430 - 4.67% -0.04664 (rooted) (x; +jx,) + (jxx2/s xxm) × m+ j x2x2/s =) IL = 9.804 2-0.786 (rad) -) I = 3.804 A & exp pf = 0.7067 lag

Exaded = 4.44 fooder moded