Hw 6. 8=3 d=38.1 n l=10 W=50 pm. 27 25.1 mh
1 pm 658
25.23 ms/s WAR = 1.67 HE. 17 Wa = 1.42 HZ IT M- 816. E = 1 ( W2 - W2 - 22) a. C: 28 28+3 = (1.922 - 1672 - 5.232) - 0.3 e = 2(0.3) = 5.16 b. I = \frac{1}{3} M\_3 R2 (1-e)3 = \frac{1}{3} (898 K5) (38:1)2 (1-0.160)3 I= 6,4.104 Ky m2 C. Kp = Wer Ip = (0.617.20)2 (6.4.100)) = Kg - 6.98.106 kg m2/52 -> N-m U. = 8 m/s Stoge of were = 2T 1= 1/3 0p= 1.8° A=1.125 3/m3 B. = B. B, = y (4 1 - 0p) Y= Pa ( K" = (1.225) ( 48) ( 1 m) ( 38.4 )4 V= 67 15.819 B, - 15.8 - (4 (8(1-1/3)) - 1.8.2m B, = 4,52°

