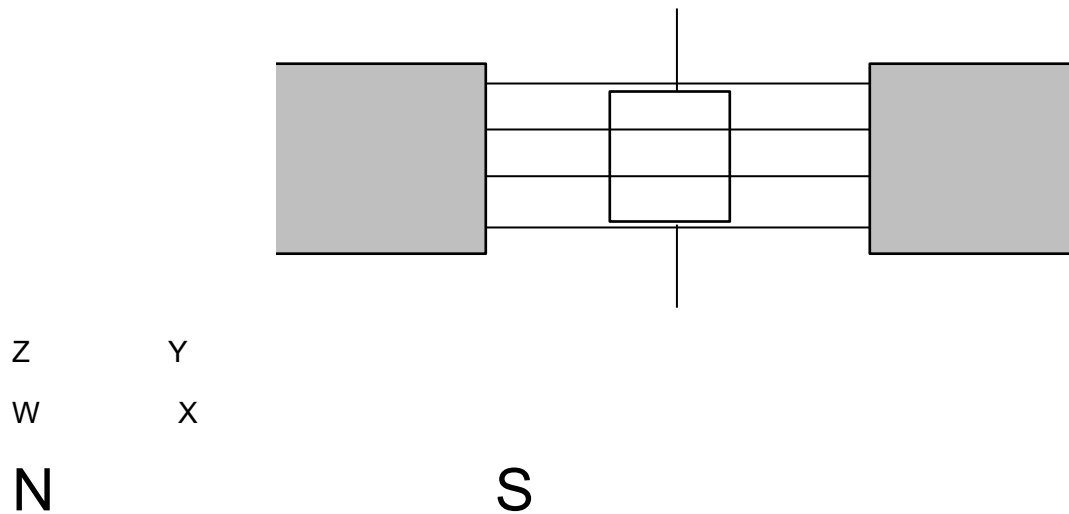23 In an electric motor, a rectangular coil WXYZ carrying current has 20 turns and is in a uniform magnetic field of flux density 0.80 T.

Z　　Y

W　　X

N　　　　　　　　　S

The lengths of sides XY and ZW are 0.17 m and of sides WX and YZ are 0.11 m. The maximum torque provided by the motor is 1.35 N m.

What is the current in the rectangular coil?

A　　4.5 A　**B**　　9.0 A　**C**　　45 A　**D**　　90 A