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*Joule's losses due to eddy currents in a ferromagnetic core.* For the same applied time-harmonic magnetic field, the time-average power of Joule's losses,  $(P_J)_{\text{ave}}$ , due to eddy currents in the two cores in Fig.Q6.11 is greater for

- (A) case (a).
- (B) case (b).
- (C) No noticeable difference between the two cases.

*Solution:* (B)

*Answer:* (B)