

25 An electric kettle has the following label:

power : 2100 to 2500 W

voltage : 220 to 240 V

frequency : 50 to 60 Hz

Which of the following is a probable expression that describes the current flowing through the kettle when it is operational?

A $I = 10.4 \sin(300t)$

B $I = 14.1 \sin(300t)$

C $I = 10.4 \sin(375t)$

D $I = 14.1 \sin(375t)$