

36.51 A pump is driven by a 4-pole synchronous motor. What is the nominal rotational speed? Ignore slip.

A. $1200rpm$

B. $1800rpm$

C. $2400rpm$

D. $3600rpm$

The number of poles of a **Synchronous Speed Motor** determines the speed in rpm . Read directly from the table for 4 poles.

$$N = 1800rpm$$

Answer B