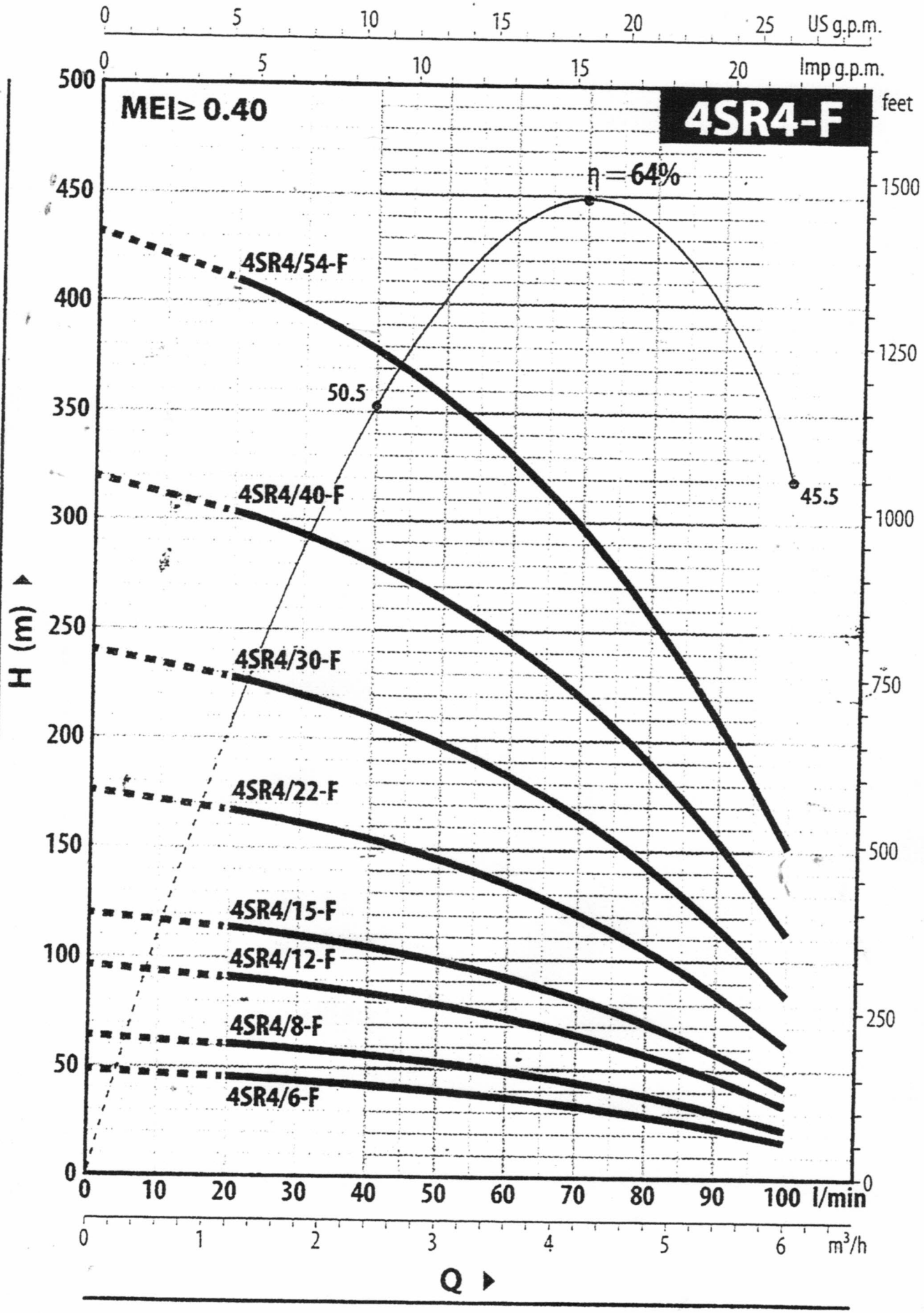50 Hz n= 2900 min^{-1}