$$\frac{(2\pi)^J}{J!} \le \frac{\varepsilon_4}{632 \, A(\sigma)}, \qquad \frac{(2\pi)^J}{J!} \le \frac{\epsilon_4}{632 \, A(\sigma)} \frac{1}{M} \left(\frac{\pi^2 B_1 a \sqrt{3}^2}{M^2}\right)^{(M-1)/3}.$$