

ABSTRACT

Specifications of the impeller of a multiblade radial fan are determined so as to satisfy the correlation expressed by the formula $\nu \geq -0.857Z_1 + 1.009$ (in the
5 formula, $\nu = r_0/r_1$, $Z_1 = (r_1 - r_0)/[r_1 - nt/(2\pi)]$, r_0 : inside radius of the impeller, r_1 : outside radius of the impeller, n : number of radially directed blades, t : thickness of the radially directed blades).