

Liquid ring vacuum pump is made with the possibility of connection to electric motor with a power of at least 630 kW; it comprises cylinder equipped with end caps at both ends, which are connected to it via flange and collar, and inside contains rotor comprising shaft and impeller mounted on it, on which blades are arranged symmetrically relative to one another, and also includes foundation plate on which pump is mounted, wherein the mounting dimension L1 along the length on foundation plate for installation on foundation bolts is 2,370 mm, and the mounting dimension B1 across the width on foundation plate for installation on foundation bolts is 1,560 mm. In addition, vacuum pump is made with the possibility of installation at pump installation site with a flow rate of 300 m³/min; pump's length L2 is 3,123 mm, the installation length L3 of pump for mounting on foundation plate is 2,000 mm, and the installation width B2 of pump for mounting on foundation plate is 1,600 mm. Cylinder has a length L4 of 1,686 mm, an inner diameter D1 of 1,914 mm, and an outer diameter D2 of 1,978 mm. The length L5 of impeller is 1,710 mm; the length L6 of working part of impeller is 1,650 mm, with a blade diameter D3 of 1,650 mm. Side covers have a length L7 of 340 mm and a height H of 2,413 mm, and rotor's transverse axis is offset relative to cylinder's transverse axis by an eccentricity A of 125.5-126.5 mm.