

ABSTRACT

The application discloses a power head and a rotary drilling rig. The power head includes: an installation box, and an installation cavity is provided inside; the installation box is also provided with an opening communicating with the installation cavity; input shaft, arranged in the installation cavity; the first end of the input shaft is connected with the installation cavity through the first bearing, and the second end of the input shaft extends outward from the opening; reducer, arranged in the installation on the box body and coaxial with the input shaft; the output end of the reducer is sleeved on the second end of the input shaft, and the output end of the reducer meshes with the second end of the input shaft. With this arrangement, the length of the entire power head in the vertical direction can be reduced, thereby reducing the overall volume of the power head. Therefore, it is not easy to be affected by various factors of the external environment, and it is not easily to be bumped by the construction materials on the construction site, so that the construction efficiency can be improved.

Figure 1