Stand for testing and evaluating the energy efficiency level of pumps comprises an electric motor equipped with a frequency regulator, and a hydraulic system consisting of a reservoir, a pump, suction and pressure pipelines, a filter, a water meter, a pressure gauge, and a hydraulic system control panel. The stand comprises a power and control cabinet, a monitoring, identification, and parameter calculation unit; the hydraulic system is additionally equipped with suction and pressure manifolds which are equipped with pressure gauges and gate valves installed at the connection points of the suction and pressure pipelines to the reservoir, wherein the suction manifold is equipped with a thermometer. An output of the pressure manifold is connected to the pressure pipeline, and an input of the suction manifold is connected to the suction pipeline of the hydraulic system; cavities of the suction and pressure manifolds are connected by at least two parallel hydraulic branches, each of which comprises a pressure sensor, a hydraulic branch gate valve, a check valve, a flow meter, and a pump with a possibility of mechanical connection thereto of the electric motor, which is equipped with the frequency regulator and a network analyzer, and a torque sensor with a tachogenerator.