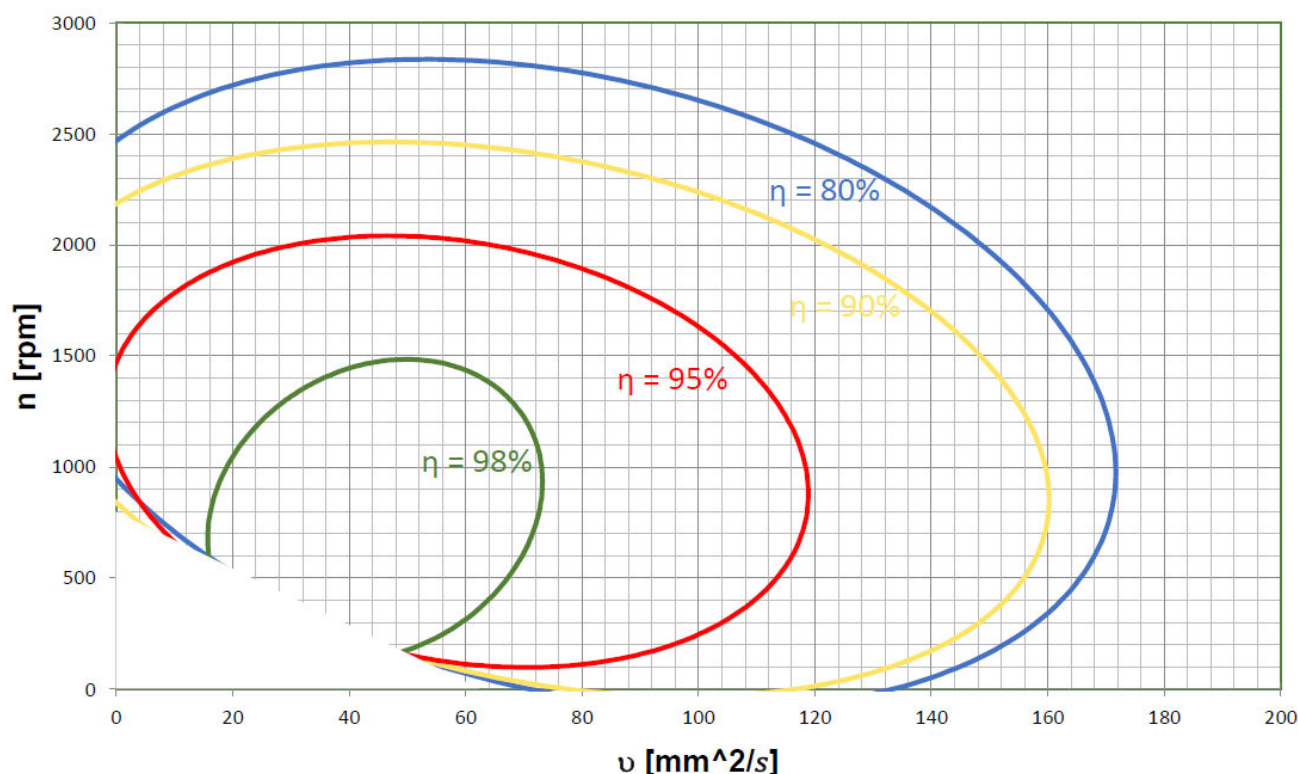


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Kinematic viscosity x RPM



The Wimmer radial piston pumps have a varying efficiency, depending on the rotation speed and the kinematic viscosity of the oil. An efficiency of 98% is achieved at speeds between 250- and 1500 rpm if oils with a kinematic viscosity of 20- to 70 mm^2/s are used.

The efficiency will decrease with increasing rotation speeds and viscosity values. The graph above shows the change in efficiency depending on the rotation speed and the kinematic viscosity. In practice, a compromise can be made between the operating speed and the oil used to achieve a certain efficiency.