

L-BV

Data sheet 2BV5 121

Liquid ring vacuum pump



General information

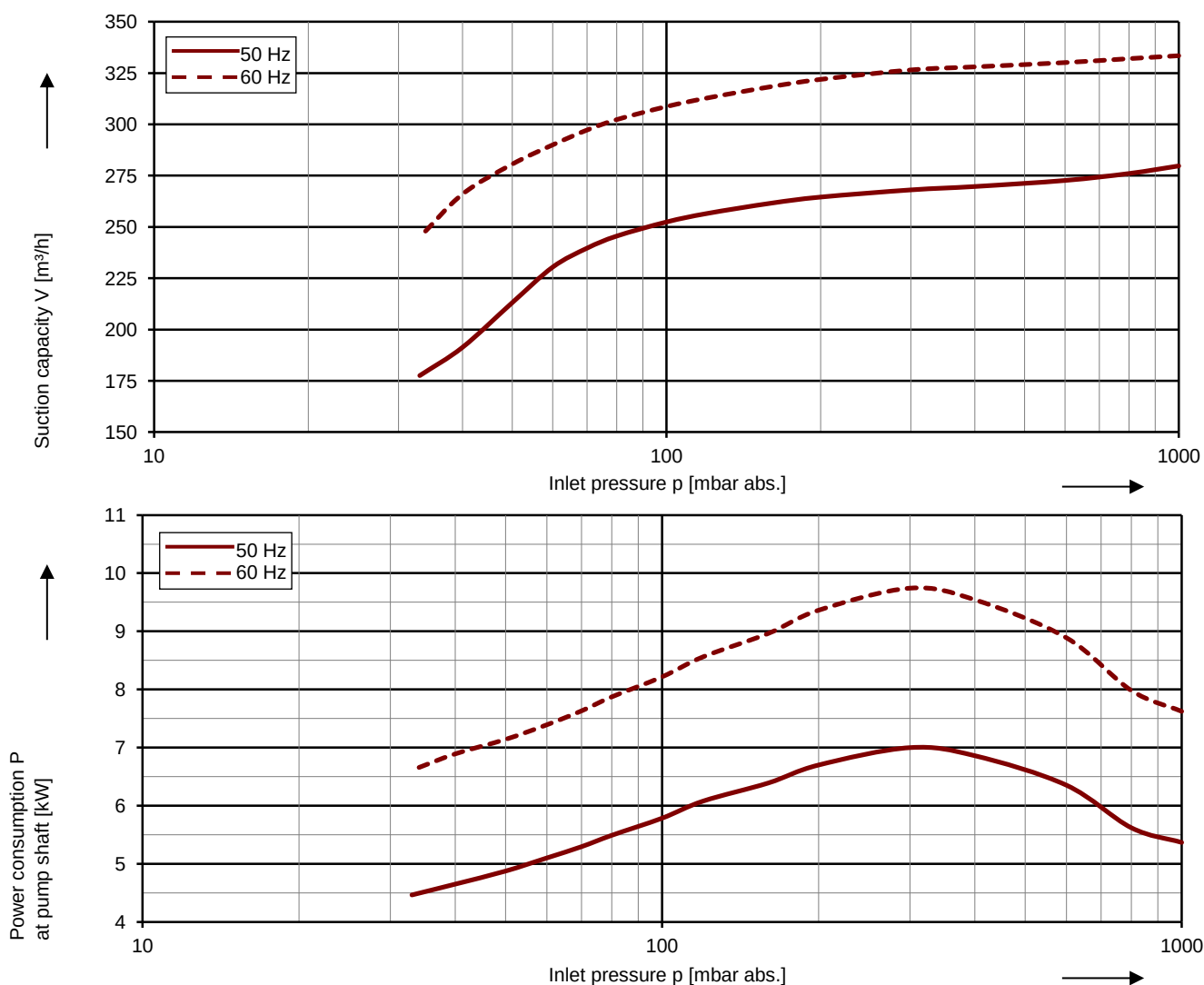
Elmo Rietschle vacuum pumps of the model range L-BV5 are suitable for evacuating gases and wet vapours down to inlet pressures of 33 mbar abs. (97 % vacuum). All these vacuum pumps are equipped with built-in cavitation protection. They work cavitation free down to 80 mbar abs. For operation at lower inlet pressures the integrated cavitation protection should be connected for protecting the vacuum pump (no external pipes necessary).

The vacuum pumps are particularly space-saving, reliable and robust in their monoblock design. The reinforced stainless steel shaft, the permanently lubricated bearings and the ceramic internal coating of the pump housings prevent wear, corrosion and calcification.



Performance curves

Vacuum operation



The characteristic curves are based on the evacuation of 100 % saturated air and an intake temperature of 20 °C. At a suction pressure of 1013 mbar abs. and a temperature of the operating liquid of 15 °C (water as operating liquid) the characteristic curves will be achieved. The tolerance is $\pm 10\%$.

The motors are supplied as standard for the input voltage ranges of 50 and 60 Hz and for the protection category IP55 as well as approbated for UL and CSA. Vacuum ATEX-pumps with 2006/42 EG for category 2G are available, too.