

PERFECT COMPONENTS.
PERFECT SYSTEMS.

A MEMBER OF  HTI GROUP

OMNIA VS vacuumsystem

Application

This new system, which has a minimum width for easier placement between extrusion lines, is characterized by a very short return on investment. Based on 3 frequency controlled vacuum pumps and 2 frequency controlled water pumps energy savings of up to 80 % can be achieved in comparison to conventional calibration tables. Customization of the new vacuum system is possible because of its modular system. The user can set the vacuum reference value on the screen in mbar and the pumps run only with the speed which is required for production of the necessary vacuum.

As High Tech Extrusion only uses standard components, there is no need for specially designed pumps and specially designed sensible proportional valves; therefore spare parts are easily available world wide. Production safety is assured due to the usage of more pumps. This new OMNIA vacuum unit is compatible with all existing tools.

Standard

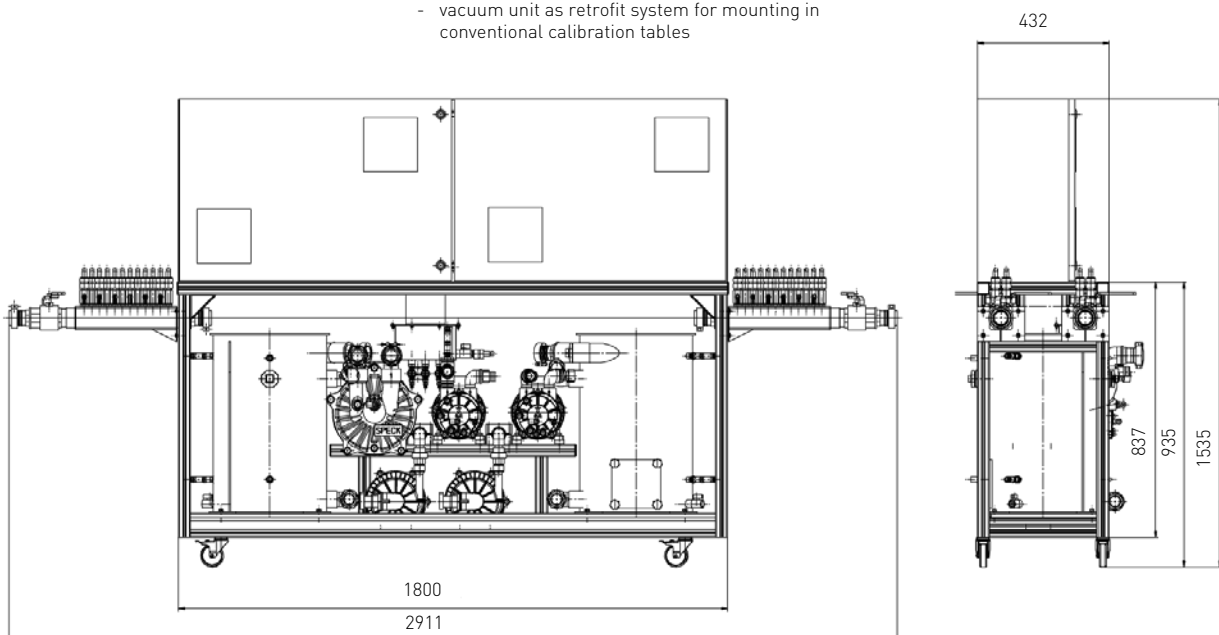
- 2 pc. vacuum pumps each 2,8 kW (at 50 Hz)
- 1 pc. vacuum pump each 3,0 kW (at 50 Hz)
- 2 pc. water pumps each 0,5 kW (at 50 Hz)
- Design as stand-alone unit
- controlling through mobile control element

Options

- additional vacuum pump(s), capacity depending on size
- bigger water pump(s) each 1,1 kW (at 50 Hz)
- sidechannel blower instead of vacuum pump 1,5 kW (at 50 Hz)
- cover for stand-alone unit
- vacuum unit as retrofit system for mounting in conventional calibration tables

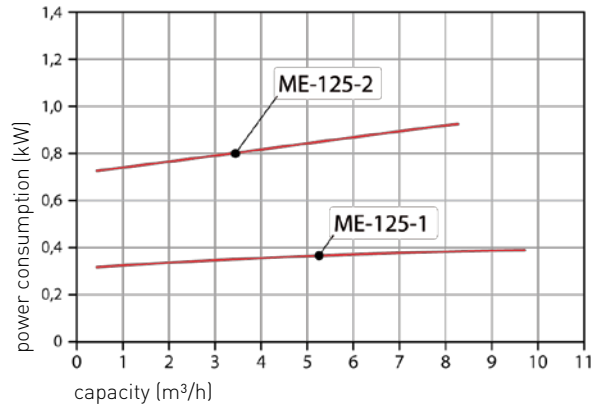
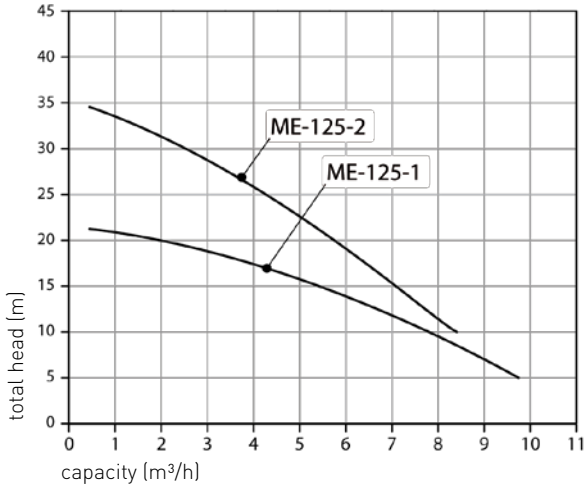
Connections

- 3 x 400 V n+P 50 Hz max. 17 kVA 32A recommended cable dimension for power supply 5 x 6 mm²
- 1/2" ABA-cuppling water supply
- inner diameter ø25 mm hose sewage water
- 5 x inner diameter ø32 mm hose backflow in channel

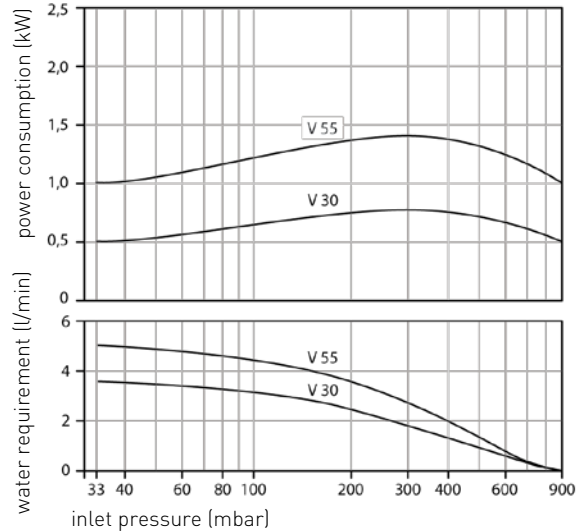
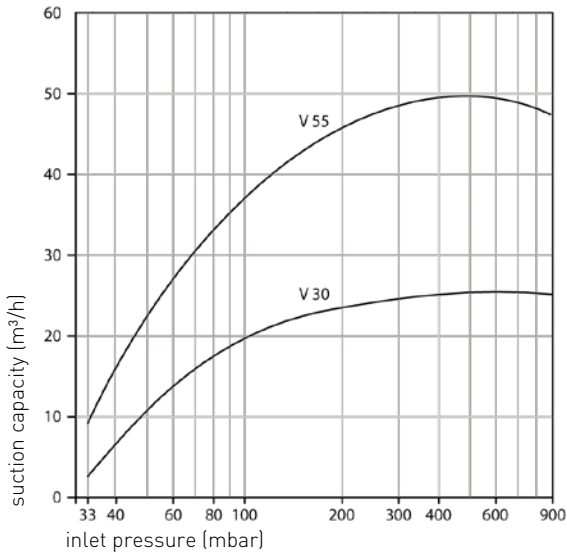


Performance characteristics at 50 Hz

ME-125-1/2 - radial impeller pumps single or double stage



V 30 / 55 - liquid ring vacuum pumps single stage - with valve flaps



VG 95 - liquid ring vacuum pumps single stage - without valves

