Mobile centrifugal pump

3 kW · example configuration

For product transfer or CIP return, with an integrated variable-speed drive and local or externally controlled operation.



Illustrated motor power	3 kW
Assembly power supply	400 V three-phase
Variable-speed drive	Schneider Electric ATV320U30N4W · 3 kW
Maximum liquid temperature	120 °C · pump with EPDM seals
Flow at the duty point	4.5 m^3/h · 4 500 L/h
Differential pressure at the duty point	3.2 bar
Reference speed	2 910 min^{-1}
Motor frequency	50 Hz
Motor voltage Δ / Y	220-240 V Δ / 380-415 V Y

These values describe the duty point of the 3 kW example, not the limits of the range. Reference curves use water at 5 °C, relative density 1 and viscosity 1 cP.

Ambient temperature

ATV320U30N4W drive: -10 to +40 °C without derating. +40 to +60 °C with derating, subject to installation conditions and Schneider curves. This ambient temperature is separate from the pumped liquid temperature.

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Equipment photos



Pump and mobile trolley



Variable-speed drive and control potentiometer

Metal parts in contact with the product	316L (1.4404)
Impeller diameter	165 mm
Pump connections (inlet / outlet)	SMS / ISO 2037 · DN/OD 63.5 / 38 mm
Mechanical seal and elastomers	C / SiC · EPDM
Maximum pump inlet pressure	4 bar

Local or external control

The integrated drive allows manual operation using the potentiometer on the pump, or control by the installation. The external control method and connection are defined for your project. 4-20 mA setpoint or Modbus; other interfaces on request.

Product transfer / CIP return

A trolley-mounted pump that can be moved between transfer points in your winery or brewery. The pump and connections are selected for the product and circuit. The pump can also return cleaning solutions to the CIP station. Sizing takes account of the return circuit and the operating conditions of the installation.

Discuss this configuration

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