

Electric motors for our drum pumps

The JESSBERGER universal motors that can be combined with all pump tubes outside hazardous areas are light, handy and powerful devices for almost all thin to middle viscous liquid. The portable and for stationary use suitable drum pump motors are particularly designed for intermittent, short-term operation. The technical clear design of the drum pumps guarantees a rational and safe use. Several pump tubes for different media are easily interchangeable and can be operated with the same motor. Outside ex areas our motors can be combined also with the pump tubes of some of our competitors (and vice versa). Please ask us for details and convince yourself by our expert advice and optimal price performance ratio of our products.

The flow rate of a drum pump depends firstly on the speed of the motor and then the motor power. For flammable liquids or for use in hazardous areas ex proof drum pumps with appropriate accessories can be supplied. The electric and air-driven motors as well as the pump tubes made of conductive Stainless Steel need to have an ATEX approval for pumping flammable media. Further more it is absolutely necessary to set a potential equalization. For this purpose you can use our bonding ground set consisting of 4 copper cables with clamps.

An electronic speed control (as well as the low voltage release) is available as an option. The speed of the drum pump motors JP-160, JP-180, JP-200, JP-280 and JP-300 can be controlled at the speed control version via a knob at the motor handle and the flow rate adjusted conform to the application.

Our drum pump motors in overview

Electric universal motor JP-160, 230 Volt

50 Hz, 400 Watt, internally ventilated motor, splash protection according to IP 24, double insulation, category II, on/off switch as overload protection switch, 5 m cable with plug
 Low voltage release or speed control as an option

Weight: 3.1 kg
 Flow rate: 80 l / min *
 Head: 6 m (rotor), 16 m (impeller) *
 Medium temperature: depending on the pump tube
 Viscosity: 300 mPas, density: 1.3 *



Electric universal motor JP-180, 230 or 115 Volt Our top seller in last years

50 Hz, 600 Watt, internally ventilated motor, splash proofing according to IP 24, double insulation, category II, on/off switch as overload protection switch, 5 m cable with plug
 Low voltage release or speed control as an option

Weight: 3.6 kg
 Capacity: 150 l / min *
 Head: 8 m (rotor), 20 m (impeller) *
 Medium temperature: depending on the pump tube
 Viscosity: 600 mPas, density: 1.5 *



Electric universal motor JP-200, 230 or 115 Volt

50 Hz, 500 Watt, externally ventilated motor, splash proofing according to IP 54, double insulation, category II, on/off switch as overload protection switch, 5 m cable with plug
 Low voltage release or speed control as an option

Weight: 4.3 kg
 Capacity: 150 l / min *
 Head: 8 m (rotor), 21 m (impeller) *
 Medium temperature: depending on the pump tube
 Viscosity: 600 mPas, density: 1.5 *



Electric universal Motor JP-280, 230 or 115 Volt The ideal solution for nearly every application

50 Hz, 825 Watt, internally ventilated motor, splash proofing according to IP 24, double insulation, category II, on/off switch as overload protection switch, 5 m cable with plug
 Low voltage release or speed control as an option

Weight: 3.85 kg
 Capacity: 200 l / min *
 Head: 13 m (rotor), 30 m (impeller) *
 Medium temperature: depending on the pump tube
 Viscosity: 1000 mPas, density: 1.9 *





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References

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Weight: 5.0 kg
 Capacity: 200 l / min *
 Head: 14 m (rotor), 28 m (impeller) *
 Medium temperature: depending on the pump tube
 Viscosity: 800 mPas, density: 1.6 *

Electrical explosion proof universal motor JP-400, 230 Volt

50 Hz, 550 Watt, Ex de IIA T6, externally ventilated motor, splash proofing according to IP 54, on/off switch as a circuit breaker, 5 m cable without plug (in ex areas special ex plugs and sockets have to be used)

Type Examination Certificate Number
 ZELM 09 ATEX 0425 X

Weight: 10 kg
 Capacity: 100 l / min *
 Head: 8 m (rotor), 16 m (impeller) *
 Medium temperature: according to Ex-Approval
 Viscosity: 600 mPas, density: 1.5 *

Three-phase motor JP-500 SM, 0.37 or 0.55 kW,

speed multiplier, externally ventilated motor, 230/400 Volt, 50 Hz, splash proofing according to IP 54, with terminal box and planetary gear. Important: a drum pump is not for continuous use.

Weight: 7.2 kg
 Flow rate: 40 l / min *
 Head: 4 m (rotor), 8 m (impeller) *
 Medium temperature: depending on the pump tube
 Viscosity: 300 mPas, density: 1.3 *

