

# JP-180 Electric universal motor

230 Volt, 50 Hz, 600 Watt, IP 24, alternatively 115 Volt, 60 Hz

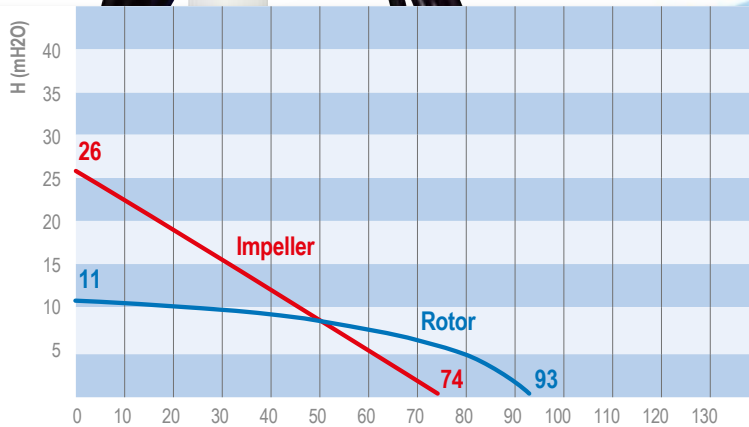


## Description

- The drive JP-180 is a compactly built, not explosion-proof, internally ventilated universal motor that is our top seller for aggressive media in the chemical and the galvanic industry beside JP-280.
- This handy, very robust and powerful motor can be used to drive the suction tubes of drum pumps. In this combination it is suitable for many thin liquid and slightly viscous, neutral, aggressive and non-flammable liquids (max. 600 mPas). Its sophisticated, technically clear structure ensures an efficient and safe use when transferring a wide range of media.
- The drum pump motor is characterized not only by its light weight (3,6 kg) but also by its elegant design and ease of use. The non-stationary and stationary usable drive is particularly suitable for intermittent operation. As internally ventilated motor it has an optimal air

cooling, low noise and ensures high operational safety and long lifetime.

- The motor housing made of polypropylene ensures a high chemical resistance when aggressive vapours of acids and alkalis are present.
- The standard in the on/off switch integrated low voltage release is intended to prevent an uncontrolled start of the drum pump motor after a power failure or voltage drop and thus guarantees maximum safety.
- The flow rate of the media to be pumped can be regulated by an optionally available speed control that is integrated in the motor handle. Therefore the flow rate can be adjusted to the needs of the user.
- The maximum density of the media is for the JP-180 universal motor 1.5, the maximum viscosity 600 mPas.



JP-180, 230 VAC, JP-PP(HC)41-1,000, test media water 20°C, pressure pipe 1", oval gear meter, measured values: ± 5%

## Electric universal motor JP-180

230 Volt, 50 Hz, 600 Watt, IP 24, double insulation protection class II, over load protection switch with integrated low voltage release. 5 m cable with plug. Also available in 115 volts, 60 Hz.

Speed control as option.

## Operating data JP-180

**Flow rate** (with hose and oval gear meter): up to 93 l/min (Rotor)\*  
up to 74 l/min (Impeller)\*

**Head:** up to 11 m (Rotor)\*  
up to 26 m (Impeller)\*

**Viscosity:** up to 600 mPas\*

**Density:** up to 1,5\*

\*Data obtained with a 1" pipe are indicated in the performance curve

\*Test media water 20 ° C, pressure pipe 1", oval gear meter, measured values: ± 5%

## Order No.:

**JP-180 1180 2300**

230 V 1-, 50 Hz, 600 W  
without low voltage release

**JP-180 1180 2301**

230 V 1-, 50 Hz, 600 W  
with low voltage release

**JP-180 1180 2302**

230 V 1-, 50 Hz, 600 W  
with speed control  
without low voltage release

**JP-180 1180 2303**

230 V 1-, 50 Hz, 600 W  
with speed control  
with low voltage release

**JP-180 1180 1150**

115 V 1-, 60 Hz, 600 W  
without low voltage release

**JP-180 1180 1151**

115 V 1-, 60 Hz, 600 W  
with low voltage release

**JP-180 1180 1152**

115 V 1-, 60 Hz, 600 W  
with speed control  
without low voltage release

**JP-180 1180 1153**

115 V 1-, 60 Hz, 600 W  
with speed control  
with low voltage release



## Electronic speed control

The speed of the drum pump motor JP-180 can be controlled electronically via a knob on the handle. This enables an adjustment of the flow rate.

The electronic speed control is available as an option.