

## JP-120 Electric universal motor

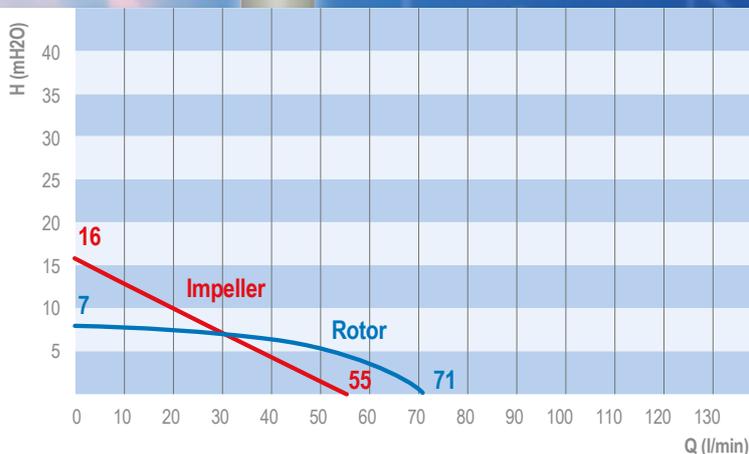
230 Volt, 50/60 Hz, 250 Watt, IP 24, alternatively 115 Volt, 60 Hz



### Description

- The drive JP-120 is a compactly built, not explosion-proof, internally ventilated universal motor.
- The lightweight, handy and powerful device can be used as drive for the pump tubes of the laboratory and drum pumps and is useful in this combination for many thin fluid, neutral, aggressive and non-flammable media. Its sophisticated, technically clear structure ensures an efficient and safe use when transferring a variety of water-like liquids.
- The drum pump motor is characterized not only by its lightweight (2 kg) but also by its elegant design and ease of use. The non-stationarily and stationarily usable drive is particularly suitable for intermittent operation. As internally ventilated motor, it has an optimal air cooling, low noise level and ensures high operational safety and long time life.

- The motor housing made of Polypropylene ensures high chemical resistance in case of aggressive vapours of acids and alkalies.
- 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. By the presence of a thermal protection the life of the engine is significantly increased.
- The flow rate of the media that will be pumped can be adjusted by the optionally available speed control that is mounted laterally in the motor housing and therefore adapted to the needs of the user.
- The maximum density of the media is for the JP-120 universal motor 1,2, the maximum viscosity 200 mPas.



JP-120, 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-120

230 Volt, 50/60 Hz, 250 Watt, IP 24, double insulation protection class II, over load protection switch with integrated low voltage release. Thermal protection, 5 m cable with plug.

Speed control as option.

### Operating data JP-120

<b>Flow rate</b> (with hose and oval gear meter):	up to 71 l/min (Rotor)* up to 55 l/min (Impeller)*
<b>Head:</b>	up to 7 m (Rotor)* up to 16 m (Impeller)*
<b>Viscosity:</b>	up to 200 mPas*
<b>Density:</b>	up to 1,2*

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

\* All specified values are real measured maximum values. Test media water 20 °C, pressure pipe 1", oval gear meter 1", measured values: ± 5%

### JP-120



Version	Voltage	Order No.
without LVR	230 V 1~, 50/60 Hz, 250 W	1120 2300
	115 V 1~, 60 Hz, 250 W	1120 1150
with LVR	230 V 1~, 50/60 Hz, 250 W	1120 2301
	115 V 1~, 60 Hz, 250 W	1120 1151
without LVR, with SC	230 V 1~, 50/60 Hz, 250 W	1120 2302
	115 V 1~, 60 Hz, 250 W	1120 1152
with LVR + SC	230 V 1~, 50/60 Hz, 250 W	1120 2303
	115 V 1~, 60 Hz, 250 W	1120 1153

LVR: Low voltage release  
SC: Speed control

### Electronic speed control

The speed of the drum pump motor JP-120 can be controlled via a knob on the side of the motor housing electronically. This enables an adjustment of the flow rate. The electronic speed control is available as an option.



# JP-140 Electric universal motor

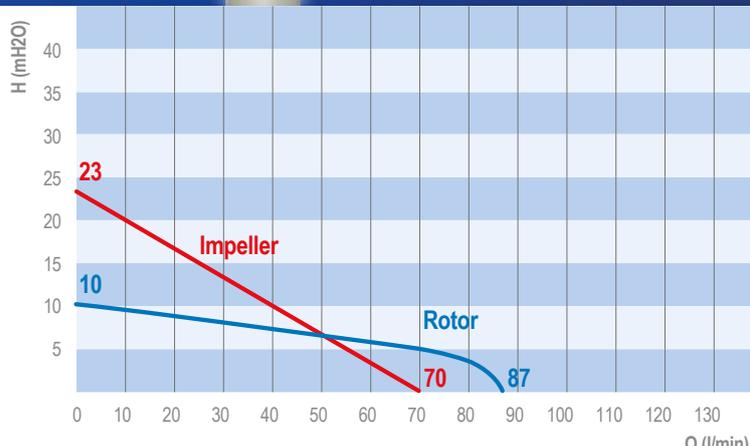
230 Volt, 50/60 Hz, 450 Watt, IP 24, alternatively 115 Volt, 60 Hz



## Description

- The drive JP-140 is a compactly built, not explosion-proof, internally ventilated universal motor.
- The lightweight, handy and powerful device can be used as drive for the pump tubes of the laboratory and drum pumps and is useful in this combination for many thin fluid, neutral, aggressive and non-flammable media. Its sophisticated, technically clear structure ensures an efficient and safe use when transferring a variety of water-like liquids.
- The drum pump motor is characterized not only by its lightweight (2,3 kg) but also by its elegant design and ease of use. The non-stationarily and stationarily usable drive is particularly suitable for intermittent operation. As internally ventilated motor it has an optimal air cooling, low noise level and ensures high operational safety and long lifetime.

- The motor housing made of Polypropylene ensures high chemical resistance in case of aggressive vapours of acids and alkalis.
- 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. By the presence of a thermal protection the life of the engine is significantly increased.
- The flow rate of the media that will be pumped can be adjusted by the optionally available speed control that is mounted laterally in the motor housing and therefore adapted to the needs of the user.
- The maximum density of the media is for the JP-140 universal motor 1,3, the maximum viscosity 400 mPas.



JP-140, 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-140

230 Volt, 50/60 Hz, 450 Watt, IP 24, double insulation protection class II, over load protection switch with integrated low voltage release. Thermal protection, 5 m cable with plug.

Speed control as option.

## Operating data JP-140

<b>Flow rate</b> (with hose and oval gear meter):	up to 87 l/min (Rotor)* up to 70 l/min (Impeller)*
<b>Head:</b>	up to 10 m (Rotor)* up to 23 m (Impeller)*
<b>Viscosity:</b>	up to 400 mPas*
<b>Density:</b>	up to 1,3*

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

\* All specified values are real measured maximum values. Test media water 20 °C, pressure pipe 1", oval gear meter 1", measured values: ± 5%

### JP-140



Version	Voltage	Order No.
without LVR	230 V 1~, 50/60 Hz, 450 W	1140 2300
	115 V 1~, 60 Hz, 450 W	1140 1150
with LVR	230 V 1~, 50/60 Hz, 450 W	1140 2301
	115 V 1~, 60 Hz, 450 W	1140 1151
without LVR, with SC	230 V 1~, 50/60 Hz, 450 W	1140 2302
	115 V 1~, 60 Hz, 450 W	1140 1152
with LVR + SC	230 V 1~, 50/60 Hz, 450 W	1140 2303
	115 V 1~, 60 Hz, 450 W	1140 1153

LVR: Low voltage release  
SC: Speed control

## Electronic speed control

The speed of the drum pump motor JP-140 can be controlled via a knob on the side of the motor housing electronically. This enables an adjustment of the flow rate. The electronic speed control is available as an option.



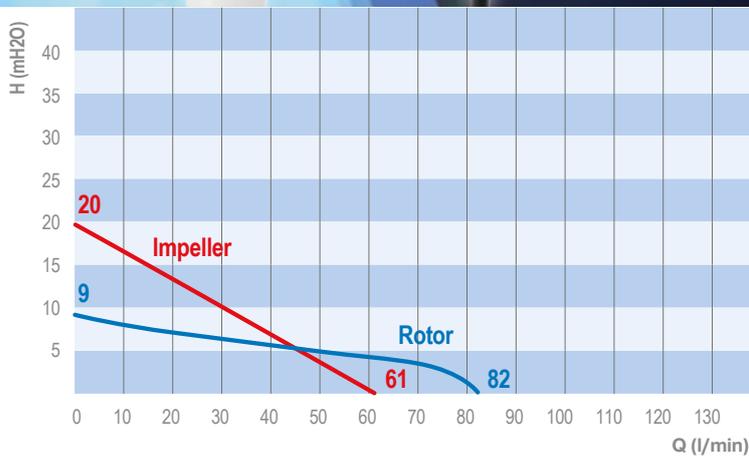
# JP-160 Electric universal motor

230 Volt, 50/60 Hz, 460 Watt, IP 24

## Description

- The drive JP-160 is a compactly built, not explosion-proof, internally ventilated universal motor that has proven itself in very large numbers for low viscous media such as the urea solution AdBlue.
- 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 fluid and lightly viscous, neutral, aggressive and non-flammable liquids (max. 400 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 lightweight (2,9 kg) but also by its elegant design and ease of use. The non-stationarily and stationarily 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 high chemical resistance in case of aggressive vapours of acids and alkalis.
- 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-160 universal motor 1,3, the maximum viscosity 400 mPas.



JP-160, 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-160

230 Volt, 50/60 Hz, 460 Watt, IP 24, double insulation protection class II, over load protection switch with integrated low voltage release. 5 m cable with plug.

Speed control as option.

## Operating data JP-160

**Flow rate** (with hose and oval gear meter): up to 82 l/min (Rotor)\*  
 up to 61 l/min (Impeller)\*

**Head:** up to 9 m (Rotor)\*  
 up to 20 m (Impeller)\*

**Viscosity:** up to 400 mPas\*

**Density:** up to 1,3\*

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

\* All specified values are real measured maximum values.  
 Test media water 20 °C, pressure pipe 1", oval gear meter 1", measured values: ± 5%

## JP-160

Version	Voltage	Order No.
without LVR	230 V 1~, 50/60 Hz, 460 W	1160 2300
with LVR	230 V 1~, 50/60 Hz, 460 W	1160 2301
without LVR, with SC	230 V 1~, 50/60 Hz, 460 W	1160 2302
with LVR + SC	230 V 1~, 50/60 Hz, 460 W	1160 2303

LVR: Low voltage release  
 SC: Speed control



## Electronic speed control

The speed of the drum pump motor JP-160 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.



# JP-164 Electric universal motor

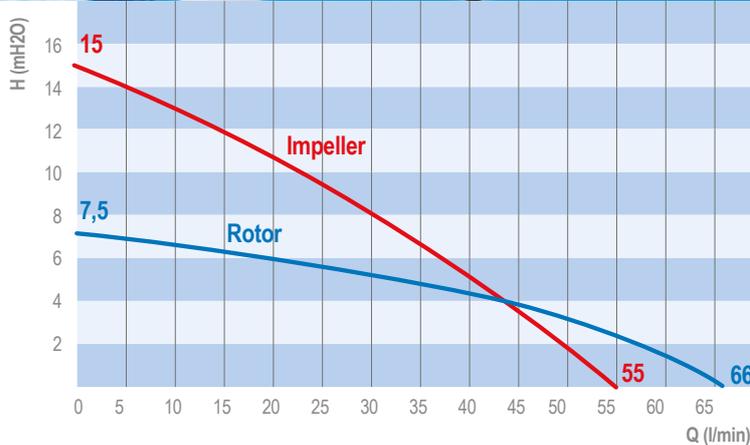
24 Volt, DC, 400 Watt, IP 24

## Description

- The drum pump motor JP-164 is a compactly built, not explosion-proof, internally ventilated universal motor, that has proven itself for lightly viscous media as diesel in agricultural field and at fire brigades foaming agents.
- This handy, very robust and powerful engine can be used as a 24 Volt engine for the suction tubes of drum pumps and is in this combination suitable for many thin fluid and lightly viscous, neutral, aggressive and non-flammable liquids (max. 300 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 lightweight (2,9 kg) but also by its elegant design and ease of use. The non-stationarily and stationarily 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.

- An overload circuit breaker prevents overloading of the drum pump motor.
- The motor is supplied at the end of the 5 meter cable as standard with two battery poles. For use by firefighters, police or army a 2-pole plug in screw connection according to DIN 14690 can be mounted alternatively.
- The motor housing made of Polypropylene ensures high chemical resistance in case of aggressive vapours of acids and alkalis.
- The maximum density of the media is for the JP-164 universal motor 1,3, the maximum viscosity 300 mPas.



JP-164, 24VDC, max. 15A, JP-PP(HC)41-1.000, test media water 20 °C, pressure pipe 1", oval gear meter, measured values: ± 5%

## Electric universal motor JP-164

24 volts DC, 400 Watt, IP 24, double insulated protection class II, overload protection, 5 m cable with battery clamps.

## Operating data JP-164

<b>Flow rate</b> (with hose and oval gear meter):	up to 66 l/min (Rotor)* up to 55 l/min (Impeller)*
<b>Head:</b>	up to 7,5 m (Rotor)* up to 15 m (Impeller)*
<b>Viscosity:</b>	up to 300 mPas*
<b>Density:</b>	up to 1,3*

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

\* All specified values are real measured maximum values. Test media water 20 °C, pressure pipe 1", oval gear meter 1", measured values: ± 5%

**JP-164**

**Voltage**

**Order No.**

24 V DC, 400 W

**1164 0240**



# JP-180 Electric universal motor

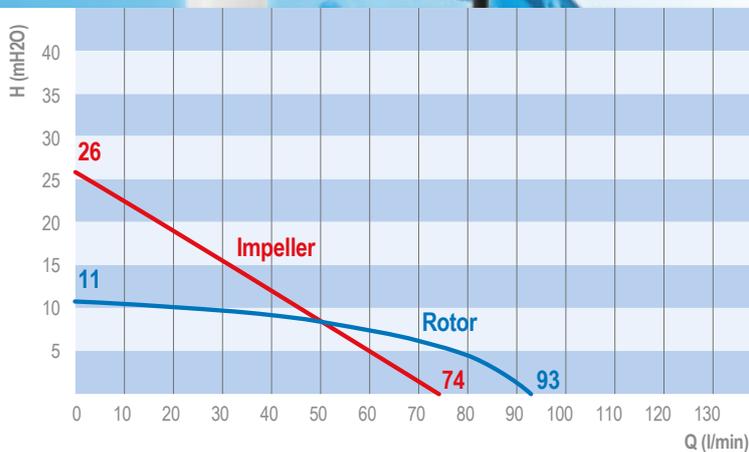
230 Volt, 50/60 Hz, 640 Watt, IP 24, alternatively 115 Volt, 60 Hz

## 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 lightly 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 lightweight (3,6 kg) but also by its elegant design and ease of use. The non-stationarily and stationarily 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 high chemical resistance in case of aggressive vapours of acids and alkalies.
- 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, 50/60 Hz, 640 Watt, IP 24, double insulation protection class II, over load protection switch with integrated low voltage release. 5 m cable with plug.

Speed control as option.

## Operating data JP-180

<b>Flow rate</b> (with hose and oval gear meter):	up to 93 l/min (Rotor)*
	up to 74 l/min (Impeller)*
<b>Head:</b>	up to 11 m (Rotor)*
	up to 26 m (Impeller)*
<b>Viscosity:</b>	up to 600 mPas*
<b>Density:</b>	up to 1,5*

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

\* All specified values are real measured maximum values. Test media water 20 °C, pressure pipe 1", oval gear meter 1", measured values: ± 5%

## JP-180

Version	Voltage	Order No.
without LVR	230 V 1~, 50/60 Hz, 640 W	1180 2300
	115 V 1~, 60 Hz, 640 W	1180 1150
with LVR	230 V 1~, 50/60 Hz, 640 W	1180 2301
	115 V 1~, 60 Hz, 640 W	1180 1151
without LVR, with SC	230 V 1~, 50/60 Hz, 640 W	1180 2302
	115 V 1~, 60 Hz, 640 W	1180 1152
with LVR + SC	230 V 1~, 50/60 Hz, 640 W	1180 2303
	115 V 1~, 60 Hz, 640 W	1180 1153

LVR: Low voltage release  
SC: Speed control



## 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.



# JP-280 Electric universal motor

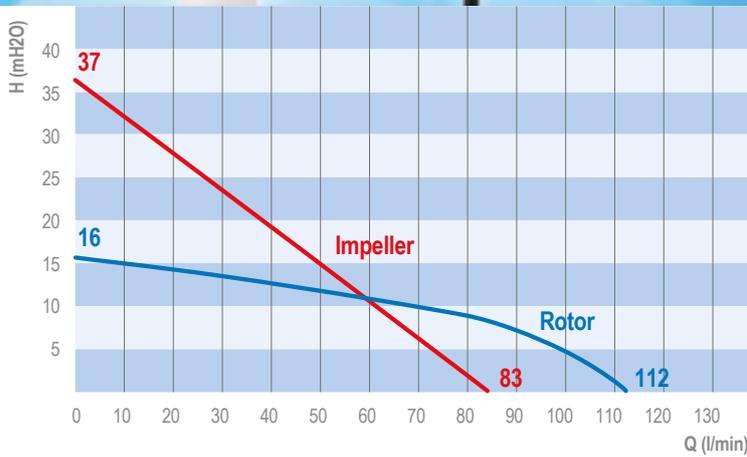
230 Volt, 50/60 Hz, 825 Watt, IP 24, alternatively 115 Volt, 60 Hz



## Description

- The drive JP-280 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-180.
- 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 lightly viscous, neutral, aggressive and non-flammable liquids (max 1.000 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 lightweight (3,8 kg) but also by its elegant design and ease of use. The non-stationarily and stationarily 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 high chemical resistance in case of aggressive vapours of acids and alkalis.
- 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-280 universal motor 1,9, the maximum viscosity 1.000 mPas.



JP-280, 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-280

230 Volt, 50/60 Hz, 825 Watt, IP 24, double insulation protection class II, over load protection switch with integrated low voltage release. 5 m cable with plug.

Speed control as option.

## Operating data JP-280

<b>Flow rate</b> (with hose and oval gear meter):	up to 112 l/min (Rotor)* up to 83 l/min (Impeller)*
<b>Head:</b>	up to 16 m (Rotor)* up to 37 m (Impeller)*
<b>Viscosity:</b>	up to 1.000 mPas*
<b>Density:</b>	up to 1,9*

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

\* All specified values are real measured maximum values. Test media water 20 °C, pressure pipe 1", oval gear meter 1", measured values: ± 5%

## JP-280

Version	Voltage	Order No.
without LVR	230 V 1~, 50/60 Hz, 825 W	1280 2300
	115 V 1~, 60 Hz, 825 W	1280 1150
with LVR	230 V 1~, 50/60 Hz, 825 W	1280 2301
	115 V 1~, 60 Hz, 825 W	1280 1151
without LVR, with SC	230 V 1~, 50/60 Hz, 825 W	1280 2302
	115 V 1~, 60 Hz, 825 W	1280 1152
with LVR + SC	230 V 1~, 50/60 Hz, 825 W	1280 2303
	115 V 1~, 60 Hz, 825 W	1280 1153

LVR: Low voltage release  
SC: Speed control

## Electronic speed control

The speed of the drum pump motor JP-280 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.



## JP-360 Electric universal motor

230 Volt, 50/60 Hz, 640 Watt, IP 55



### Description

- The drive JP-360 is a compactly built, not explosion-proof, externally ventilated universal motor.
- 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 lightly 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 lightweight (5,5 kg) but also by its elegant design and ease of use. The non-stationarily and stationarily usable drive is particularly suitable for intermittent operation. As externally ventilated motor it has an optimal air cooling, low noise and ensures high operational safety and long lifetime.
- The coated motor housing made of Aluminium ensures a high chemical resistance in case of aggressive vapours of acids and alkalies.
- The standard 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 a speed control that is integrated in a keyboard at the top of the motor handle. By means of four speed steps flow rates of 50, 60, 80 and 100 percent can be selected. Therefore the flow rate can be adjusted to the needs of the user.
- The maximum density of the media is for the JP-360 universal motor 1,5, the maximum viscosity 600 mPas.



JP-360, 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-360

230 Volt, 50/60 Hz, 640 Watt, IP 55, with integrated low voltage release and integrated speed control.  
5 m cable with plug.

### Operating data JP-360

<b>Flow rate</b> (with hose and oval gear meter):	up to 93 l/min (Rotor)* up to 74 l/min (Impeller)*
<b>Head:</b>	up to 11 m (Rotor)* up to 26 m (Impeller)*
<b>Viscosity:</b>	up to 600 mPas*
<b>Density:</b>	up to 1,5*

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

\* All specified values are real measured maximum values.  
Test media water 20 °C, pressure pipe 1", oval gear meter 1", measured values: ± 5%

### JP-360

Version	Voltage	Order No.
without LVR, with SC	230 V 1~, 50/60 Hz, 640 W	1360 2302
with LVR + SC	230 V 1~, 50/60 Hz, 640 W	1360 2303

LVR: Low voltage release  
SC: Speed control

### Integrated electronic speed control

The speed of the drum pump motor JP-360 can be controlled electronically via an integrated display on the handle. This enables an easy adjustment of the flow rate by the user.



# JP-380 Electric universal motor

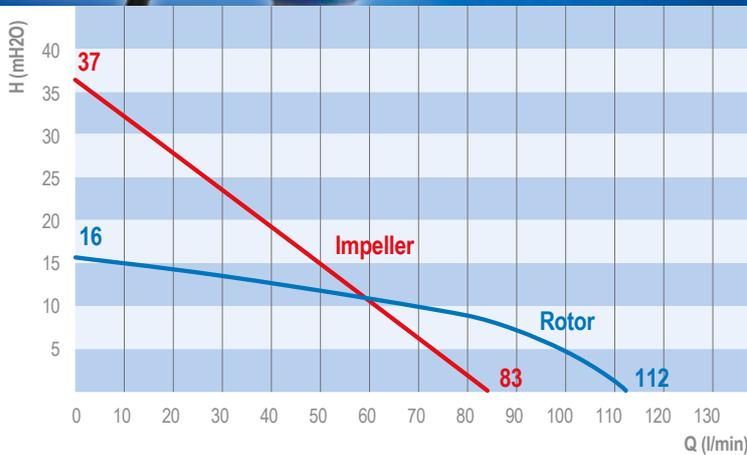
230 Volt, 50/60 Hz, 825 Watt, IP 55



## Description

- The drive JP-380 is a compactly built, not explosion-proof, externally ventilated universal motor.
- 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 lightly viscous, neutral, aggressive and non-flammable liquids (max. 1.000 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 lightweight (6 kg) but also by its elegant design and ease of use. The non-stationarily and stationarily usable drive is particularly suitable for intermittent operation. As externally ventilated motor it has an optimal air cooling, low noise and ensures high operational safety and long lifetime.

- The coated motor housing made of Aluminium ensures a high chemical resistance in case of aggressive vapours of acids and alkalis.
- The standard 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 a speed control that is integrated in a keyboard at the top of the motor handle. By means of four speed steps flow rates of 50, 60, 80 and 100 percent can be selected. Therefore the flow rate can be adjusted to the needs of the user.
- The maximum density of the media is for the JP-380 universal motor 1,9, the maximum viscosity 1.000 mPas.



JP-380, 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-380

230 Volt, 50/60 Hz, 825 Watt, IP 55, with integrated low voltage release and integrated speed control. 5 m cable with plug.

## Operating data JP-380

<b>Flow rate</b> (with hose and oval gear meter):	up to 112 l/min (Rotor)* up to 83 l/min (Impeller)*
<b>Head:</b>	up to 16 m (Rotor)* up to 37 m (Impeller)*
<b>Viscosity:</b>	up to 1.000 mPas*
<b>Density:</b>	up to 1,9*

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

\* All specified values are real measured maximum values. Test media water 20 °C, pressure pipe 1", oval gear meter 1", measured values: ± 5%

### JP-380

Version	Voltage	Order No.
without LVR, with SC	230 V 1~, 50/60 Hz, 825 W	1380 2302
with LVR + SC	230 V 1~, 50/60 Hz, 825 W	1380 2303

LVR: Low voltage release  
SC: Speed control

## Integrated electronic speed control

The speed of the drum pump motor JP-380 can be controlled electronically via an integrated display on the handle.

This enables an easy adjustment of the flow rate by the user.

