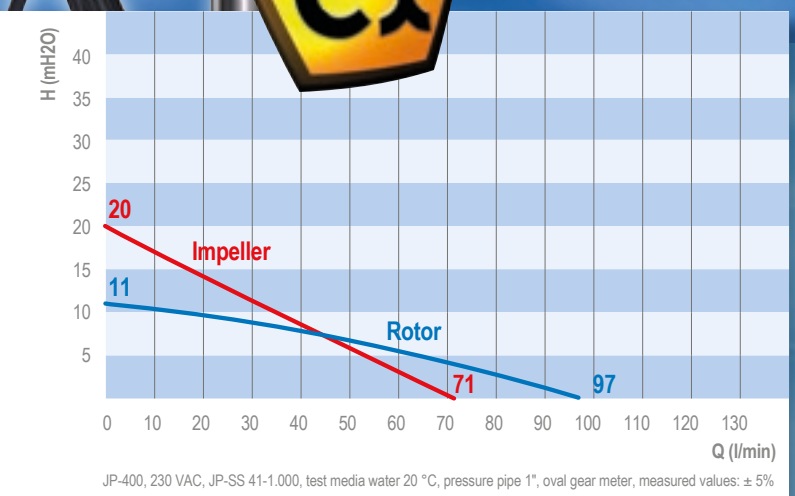
JESSBERGER pumps and systems

JP-400 Explosion-proof electric universal motor

230 Volt, 50/60 Hz, 550 Watt, IP 54, Ex de II A T6

Description

- The drive JP-400 is a compactly built, robust explosion-proof universal motor that is built and approved in accordance with the latest explosion protection guidelines (ATEX 2014/34/EC). The collector motor is explosion-proof according to II 2G Ex de IIA T6 and has an EC-type examination certificate ZELM 09 ATEX 0425 X. The electric motor Ex-JP-400 offers in addition to the air operated motors maximum protection when pumping flammable media or for use in hazardous environments. At such applications separate authorizations for the drive motor and the pump tube acc. directives ATEX 2014/34/EC are required.
- The handy and powerful device can be used as a drive for the ATEX certified sealless pump tubes made of Stainless steel (Ø 41 mm), the mixing pump tubes in Stainless steel, the pump tubes in Stainless steel with mechanical seal or complete drum emptying function and the eccentric screw pump tubes series JP-700 SR PTFE ATEX. In this combination the drive is suitable for many thin liquid to viscous, neutral, lightly aggressive and easily flammable media with a flash point below 55 °C. Its sophisticated, technically clear structure ensures an efficient and safe use when transferring the wide range of media.
- The drum pump motor is characterized in addition to its robustness 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 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. Thus guarantees maximum safety.
- The maximum density of the media is for the JP-400 universal motor 1,5, the maximum viscosity 600 mPas.



JP-400, 230 VAC, JP-SS 41-1.000, test media water 20 °C, pressure pipe 1", oval gear meter, measured values: ± 5%

Electric universal motor JP-400

230 Volt, 50/60 Hz, 550 Watt, protection II 2G Ex de IIA T6, IP54, double insulated protection class II, with integrated low voltage release. 5 m cable without plug.

Operating data JP-400

Flow rate (with hose and oval gear meter):	up to 97 l/min (Rotor)*
	up to 71 l/min (Impeller)*
Head:	up to 11 m (Rotor)*
	up to 20 m (Impeller)*
Viscosity:	up to 600 mPas*
Density:	up to 1,5*

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

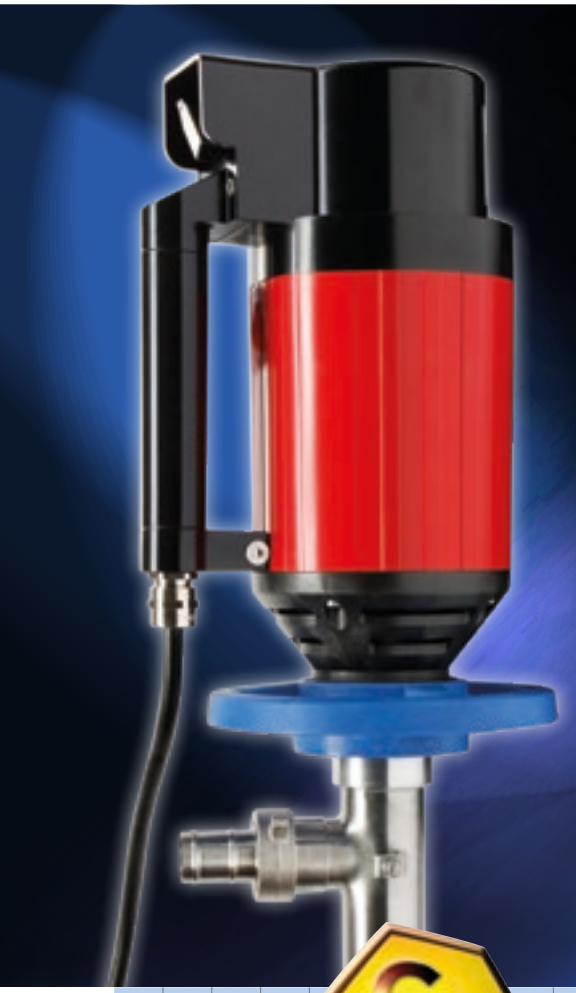
* All specified values are real measured maximum values. Test media water 20 °C, pressure pipe 1", oval gear meter 1", measured values: ± 5%

JP-400	Version	Voltage	Order No.
	without LVR	230 V 1~, 50/60 Hz, 550 W	1400 2300
	with LVR	230 V 1~, 50/60 Hz, 550 W	1400 2301

LVR: Low voltage release

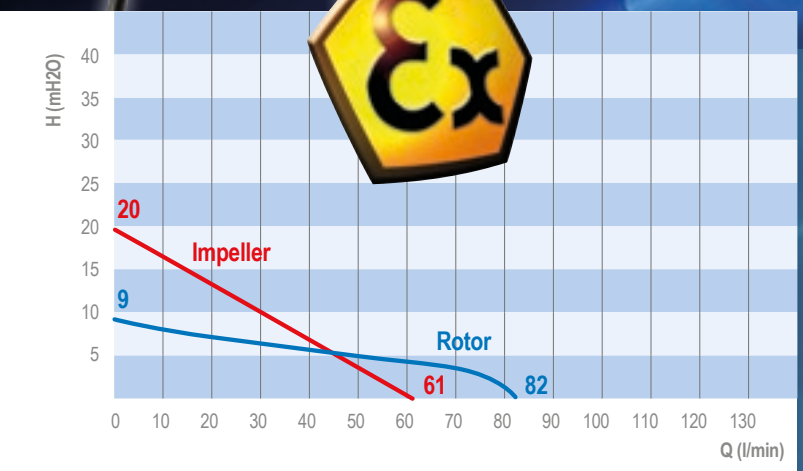
JP-440 Explosion-proof electric universal motor

230 Volt, 50/60 Hz, 400 Watt, IP 55, II 2G Ex db IIC T6 Gb



Description

- The drive JP-440 is a compactly built, robust explosion-proof universal motor that is built and approved in accordance with the latest explosion protection guidelines (ATEX 2014/34/EC) and IECEx. The collector motor is explosion-proof according to II 2G Ex db IIC T6 Gb and has an EC-type examination certificate BUREAU VERITAS 17 ATEX 1 088 X and IECEx EPS 17.0045 X. The electric motor Ex-JP-440 offers in addition to the air operated motors maximum protection when pumping flammable media or for use in hazardous environments. At such applications, separate authorizations for the drive motor and the pump tube acc. directives ATEX 2014/34/EC are required.
- The handy and powerful device (5,5 kg) can be used as a drive for the ATEX certified sealless pump tubes made of Stainless steel (Ø 41 mm), the mixing pump tubes of Stainless steel, the pump tubes of Stainless steel with mechanical seal or complete drum emptying function and the eccentric screw pump tubes series JP-700 SR PTFE ATEX. In this combination, the drive is suitable for many thin liquid to viscous, neutral, lightly aggressive and easily flammable media with a flash point below 55 °C. Its sophisticated, technically clear structure ensures an efficient and safe use when transferring the wide range of media.
- The motor is characterized in addition to its robustness 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 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. Thus guarantees maximum safety.
- The maximum density of the media is for the JP-440 universal motor 1,3, the maximum viscosity 400 mPas.



JP-440, 230 VAC, JP-SS 41-1000, test media water 20 °C, pressure pipe 1", oval gear meter, measured values: ± 5%

Electric universal motor JP-440

230 Volt, 50/60 Hz, 400 Watt, protection class II 2G Ex db IIC T6 Gb, IP 55, with integrated low voltage release. 5 m cable **without plug.** Optional with Ex-plug.

Operating data JP-440

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-440	Version	Voltage	Order No.
	without LVR	230 V 1 ~, 50/60 Hz, 400 W	1440 2300
		115 V 1 ~, 60 Hz, 400 W	1440 1150
	with LVR	230 V 1 ~, 50/60 Hz, 400 W	1440 2301
		115 V 1 ~, 60 Hz, 400 W	1440 1151

LVR: Low voltage release

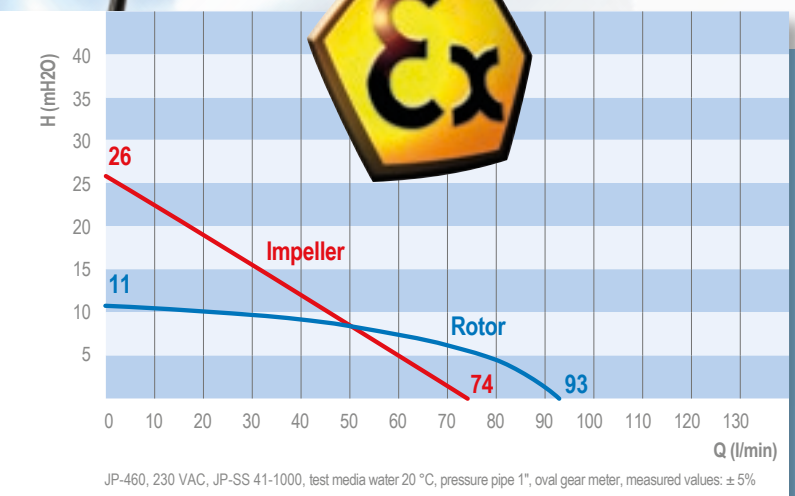
JESSBERGER pumps and systems

JP-460 Explosion-proof electric universal motor

230 Volt, 50/60 Hz, 640 Watt, IP 55, II 2G Ex db IIC T6 Gb

Description

- The drive JP-460 is a compactly built, robust explosion-proof universal motor that is built and approved in accordance with the latest explosion protection guidelines (ATEX 2014/34/EC) and IECEx . The collector motor is explosion-proof according to II 2G Ex db IIC T6 Gb and has an EC-type examination certificate BUREAU VERITAS 17 ATEX 1 088 X and IECEx EPS 17.0045 X. The electric motor Ex-JP-460 offers in addition to the air operated motors maximum protection when pumping flammable media or for use in hazardous environments. At such applications, separate authorizations for the drive motor and the pump tube acc. directives ATEX 2014/34/EC are required.
- The handy and powerful device (6 kg) can be used as a drive for the ATEX certified sealless pump tubes made of Stainless steel (Ø 41 mm), the mixing pump tubes of Stainless steel, the pump tubes of Stainless steel with mechanical seal or complete drum emptying function and the eccentric screw pump tubes series JP-700 SR PTFE ATEX. In this combination, the drive is suitable for many thin liquid to viscous, neutral, lightly aggressive and easily flammable media with a flash point below 55 °C. Its sophisticated, technically clear structure ensures an efficient and safe use when transferring the wide range of media.
- The motor is characterized in addition to its robustness 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 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. Thus guarantees maximum safety.
- The maximum density of the media is for the JP-460 universal motor 1,5, the maximum viscosity 600 mPas.



JP-460, 230 VAC, JP-SS 41-1000, test media water 20 °C, pressure pipe 1", oval gear meter, measured values: ± 5%

Electric universal motor JP-460

230 Volt, 50/60 Hz, 640 Watt, protection class II 2G Ex db IIC T6 Gb, IP 55, with integrated low voltage release, 5 m cable without plug. Optional with Ex-plug.

Operating data JP-460

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.

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

JP-460	Version	Voltage	Order No.
	without LVR	230 V 1 ~, 50/60 Hz, 640 W	1460 2300
		115 V 1 ~, 60 Hz, 640 W	1460 1150
	with LVR	230 V 1 ~, 50/60 Hz, 640 W	1460 2301
		115 V 1 ~, 60 Hz, 640 W	1460 1151

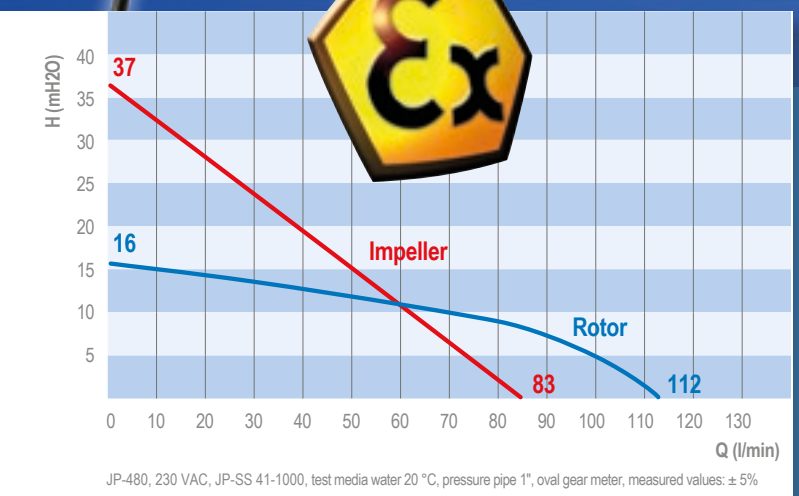
LVR: Low voltage release

JP-480 Explosion-proof electric universal motor

230 Volt, 50/60 Hz, 825 Watt, IP 55, II 2G Ex db IIC T6 Gb

Description

- The drive JP-480 is a compactly built, robust explosion-proof universal motor that is built and approved in accordance with the latest explosion protection guidelines (ATEX 2014/34/EC) and IECEx. The collector motor is explosion-proof according to II 2G Ex db IIC T6 Gb and has an EC-type examination certificate BUREAU VERITAS 17 ATEX 1 088 X and IECEx EPS 17.0045 X. The electric motor Ex-JP-480 offers in addition to the air operated motors maximum protection when pumping flammable media or for use in hazardous environments. At such applications separate authorizations for the drive motor and the pump tube acc. directives ATEX 2014/34/EC are required.
- The handy and powerful device (6,5 kg) can be used as a drive for the ATEX certified sealless pump tubes made of Stainless steel (Ø 41 mm), the mixing pump tubes of Stainless steel, the pump tubes of Stainless steel with mechanical seal or complete drum emptying function and the eccentric screw pump tubes series JP-700 SR PTFE ATEX. In this combination the drive is suitable for many thin liquid to viscous, neutral, lightly aggressive and easily flammable media with a flash point below 55 °C. Its sophisticated, technically clear structure ensures an efficient and safe use when transferring the wide range of media.
- The motor is characterized in addition to its robustness 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 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. Thus guarantees maximum safety.
- The maximum density of the media is for the JP-480 universal motor 1,9, the maximum viscosity 1000 mPas.



JP-480, 230 VAC, JP-SS 41-1000, test media water 20 °C, pressure pipe 1", oval gear meter, measured values: ± 5%

Electric universal motor JP-480

230 Volt, 50/60 Hz, 825 Watt, protection class II 2G Ex db IIC T6 Gb, IP 55, with integrated low voltage release, 5 m cable without plug. Optional with Ex-plug.

Operating data JP-480

Flow rate (with hose and oval gear meter):	up to 112 l/min (Rotor)*
	up to 83 l/min (Impeller)*
Head:	up to 16 m (Rotor)*
	up to 37 m (Impeller)*
Viscosity:	up to 1.000 mPas*
Density:	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-480	Version	Voltage	Order No.
	without LVR	230 V 1~, 50/60 Hz, 825 W	1480 2300
		115 V 1~, 60 Hz, 825 W	1480 1150
	with LVR	230 V 1~, 50/60 Hz, 825 W	1480 2301
		115 V 1~, 60 Hz, 825 W	1480 1151

LVR: Low voltage release