

EXPLOSION-PROOF ELECTRIC UNIVERSAL MOTOR

JP-460

230 VOLT, 50/60 HZ, 640 WATT, IP 55, II 2G EX DB IIC T6 GB

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 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, slightly 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-stationary and stationary 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.



Motor without pump tube		
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

VR: Low voltage release

Operating data JP-460	
low rate (with hose and oval gear meter)	Ø 41 mm up to 93 l/min* (Rotor) Ø 41 mm up to 74 l/min* (Impeller)
lead	Ø 41 mm up to 11 m* (Rotor) Ø 41 mm up to 26 m* (Impeller)
viscosity	up to 600 mPas*
density	up to 1,5*

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

