

Pump Power: The motors ME II



ME II



Explosionproof in compliance with II 2 G Ex de IIC T 5 or T6. Double-pole ON/OFF switch, splash water protected in keeping with IP 54, double-pole thermal overcurrent release. 5 m connection cable with safety plug (not explosionproof), optionally available with explosionproof plug.

- ✓ Explosionproof in compliance with Atex and IEC Ex
- ✓ Low voltage release by default
- ✓ Optionally available without low voltage release
- ✓ Double isolation with protective conductor connection
- ✓ Optimised cooling air conduction
- ✓ Externally cooled
- ✓ Double wall housing
- ✓ Available in four power ratings

These motors aren't taken aback easily. The ME II explosionproof universal motor is the answer (German Patent DE 38 15427 C2) for pumping a large variety of thin-bodied, easily inflammable and combustible liquids..

Double walls provide optimum protection

The inner part of the double wall housing is made of aluminium, the outer part is made of special acidproof, non-conducting plastic. This prevents aggressive and corrosive vapours from intruding into the inner part of the motor. The air flow for cooling the motor is conducted between the two walls of the housing.

Tested quality and safety

Complies with the European Standards EN/IEC 60 079-0, EN/IEC 60 079-1 and EN/IEC 60 079-7, explosionproof in compliance with II 2 G Ex de IIC T5 or T6 and built and approved in keeping with the explosion protection Atex Directive 94/9/EC and IEC Ex.

Who is afraid of voltages?

A low voltage release prevents uncontrolled starting of the motor. All the motors of the ME II series feature a protective conductor connection. There is double insulation between the live parts and the outer surface of the motor that can be touched as well as between the live parts and the pump tube. This guarantees protection against spark discharge during potential equalisation, specially in explosive areas.

German Patent:

DE 38 15427 C2

Type	Voltage V	Frequency Hz	Output W	Weight kg	Order No. (with low-voltage release)	Order No. (without low-voltage release)
ME II 3	220-230	50	430-460	5.5	0050-000	0050-016
	100-120	50	380-440	5.5	0050-003	-
	110-120	60	400-460	5.5	0050-006	0050-009
ME II 5	220-230	50	540-580	6.3	0050-001	0050-017
	220-230	60	475-515	6.3	0050-034	0050-035
	24	=	400	6.3	0050-013	0050-015
ME II 7	220-230	50	750-795	7.5	0050-002	0050-018
ME II 8	220-230	50	880-930	8.0	0050-042	0050-041



Some like it hot

Lutz explosionproof drum pumps

Power

Our extensive range of motors comprises explosionproof compressed air and electric motors. Both the motor and the pump tube are approved as explosionproof in keeping with Atex Directive 94/9/EC, since the motor and the pump tube form an integral assembly.

Handy and convenient

In the case of explosionproof pumps, the motor and the pump tube are also connected and disconnected in no time at all via the hand wheel. The hand wheel is also used as a carrying handle.

Safety benefits from experience

For more than 50 years, explosion protection has played a major role in the philosophy of our company. This stands for experience that you - as a planner and operator - can trust. In 1963, Physikalisch-Technische Bundesanstalt (PTB) granted Lutz the first approval for an explosion-proof drum pump. Today, motors and pump tubes are subject to Atex Directive 94/9/EC. The motors and pump tubes are each awarded their own certificate. Lutz - as the manufacturer, certifies this through the EC Declaration of Conformity.



Explosion protection is a matter of public concern!

The manufacturer is not the only one responsible for ensuring that all the requirements of the explosion protection directive are met. The plant operator is equally responsible. The commissioning regulations depend on the intended use of the pump. Apart from this, every country has its national regulations with which the plant operator must comply in everyday practice - for his own safety and the safety of his employees.

