

# 70MPa Electric Pump

## EMP-5 series

### Features

- Furnished substantial improvement in MP-5 has favorable reception for long time, performance of detail features enhanced.
- Maximum pressure at low pressure working is 5MPa, improved by 2MPa from conventional MP-5. Moreover, discharge volume at low pressure working improved by 200% than our conventional pump.
- After achievement of continuation use 800 hours at 70MPa, half million times repetition test of pressurization and decompression from 0 to 70MPa was cleared safety. Superior quality exerts even in the severe working environment.
- Various pump series for single-acting cylinder and double-acting cylinder are available as well as MP-5 series.



### Specification

Motor		Pump		Oil tank
Insulation type, Output	Number of phase, Voltage of power supply, Frequency	Low pressure	High pressure	
Type E, Totally-enclosed fan-cooled type 0.75kW	3 phase (4P) AC200V 50/60Hz AC220V 60Hz	Maximum operating pressure 5 MPa Discharge volume (50Hz) 4.0 L/min Discharge volume (60Hz) 4.8 L/min	Maximum operating pressure 70 MPa Discharge volume (50Hz) 0.40 L/min Discharge volume (60Hz) 0.48 L/min	Tank oil level 9.0L Effective oil level 4.5L

★ Some of voltages other than standard 200V/220V are available, consult RIKEN or RIKEN's authorized agents to enquire.

### Pump variety and explanation of function

Type	Main purpose of use	Approximate weight
EMP-5B	Manual directional valve equipped, can be maintained pressure. Mainly, use with a single-acting cylinder.	49kg
EMP-5C	Manual directional valve equipped, can be maintained pressure. Mainly, use with a double-acting cylinder.	50kg
EMP-5SW	Solenoid directional valve and pilot-operation check valve equipped, can be maintained pressure. Mainly, use with a double-acting cylinder. <small>*The wiring for magnet switch (contactor) is not installed.</small>	52kg
EMP-5TK	No operation valve mounted, outlet port and return port are equipped. Select this type when the remote installation operation valve used.	48kg

※These specifications are subject to change without notice.

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