

Automatic intermittent gear pump

AMZ- III [CE]

Lightweight and compact pump unit without controller.
Conforms to European Safety Standard. Oil level and pressure switches are standard equipment.

Model Reference

AMZ - III - - -

Voltage

1	AC100Vφ1
2	AC200Vφ1
23	AC230Vφ1

Reservoir Mounting Poition

Blank	Resin
F	Foot Mount
B	Wall Mount

*Metal reservoir only

Reservoir capacity

Blank	1.8l Resin reservoirs
3	3l Resin reservoirs
30	3l Metal reservoirs
40	4l Metal reservoirs
80	8l Metal reservoirs

*Pump is installed on the right side, if a metal reservoir is selected.

Model

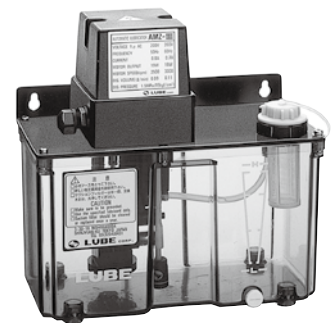
Model	Part Number
AMZ-III-1	285017
AMZ-III-1-3	285024
AMZ-III-2	285016
AMZ-III-2-3	285023
AMZ-III-23	285433

Low viscosity oil pump (On the page of AMZ-III)

No	Model	Part No.	Voltage	Tank capacity	Working viscosity range
1	AMZ-3-100SL-18LP	285224	100V	1.8L	22~800mm ² /S
2	AMZ-3-100SL-18LP	285426	200V	1.8L	22~800mm ² /S



[1.8l]



[3l]

Specifications

Pump	Discharge volume	90ml/min (50Hz), 110ml/min (60Hz)
	Discharge pressure	1.5MPa/217.5psi (safety valve set pressure)
Motor	Voltage / current	AC100Vφ1/1.5A, AC200Vφ1/0.8A (50Hz) AC100Vφ1/1.3A, AC200Vφ1/0.7A (60Hz)
	Output	19W (50Hz), 18W (60Hz) Shading motor
Emergency detection	Oil level switch	Contact type (NO) ON at low level Contact capacity 0.5A, AC DC200V/30W smaller
	Pressure switch	Contact type (NO) Operating pressure: 1.3M ON Reset pressure: 0.9MPa OFF Contact capacity AC DC250V/2A
Operation	Max. discharge time: 1 min. Min.interval time: 3 min.	
Working viscosity range	50-1300mm ² /S (50Hz)	
Reservoir capacity	1.8l, 3l (plastic) 3l, 4l, 8l (sheet metal)	
Weight	1.8l: 2.7kg 3l: 3.6kg	
External fuse	100V/2.0A, 200V/1.0A	

* Should the pump malfunction, contact LUBE for consultation.

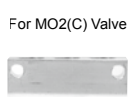
Directions for use

- This pump unit requires a separate control circuit to operate.
- Do not remove the oil fill strainer in order to keep the pump clear of foreign matter.
- Replace the suction filter at least once a year.
- Oil viscosity varies with oil temperature. Be sure to use oil within the working viscosity range. Refer to the viscosity table. (P.237)
- Do not use any special additive-contained oil, water soluble oil, or solvent.
- Periodically check the oil in the reservoir for impurities. Replace it, if necessary, with fresh oil immediately. Be sure to clean the reservoir before replacing oil.
- Make sure that proper voltage is applied.
- Do not over tighten the discharge joint.
- Refer to the torque table. (P. 251)
- Low-oil viscosity versions are available. Contact us for information.

Related parts



MO2(C) Metering valve: P.115



JVPA Junction : P.116



MO Metering valve: P.117



PV Junction : P.118



MOS Metering valve : P.119



PVS Junction : P.121



MB Metering valve : P.123



MIX-S Metering valve : P.127



F-3D Filter : P.181



Pressure gauge : P.186



Tubing : P.203



Compression parts : P.201



Adapters : P.207

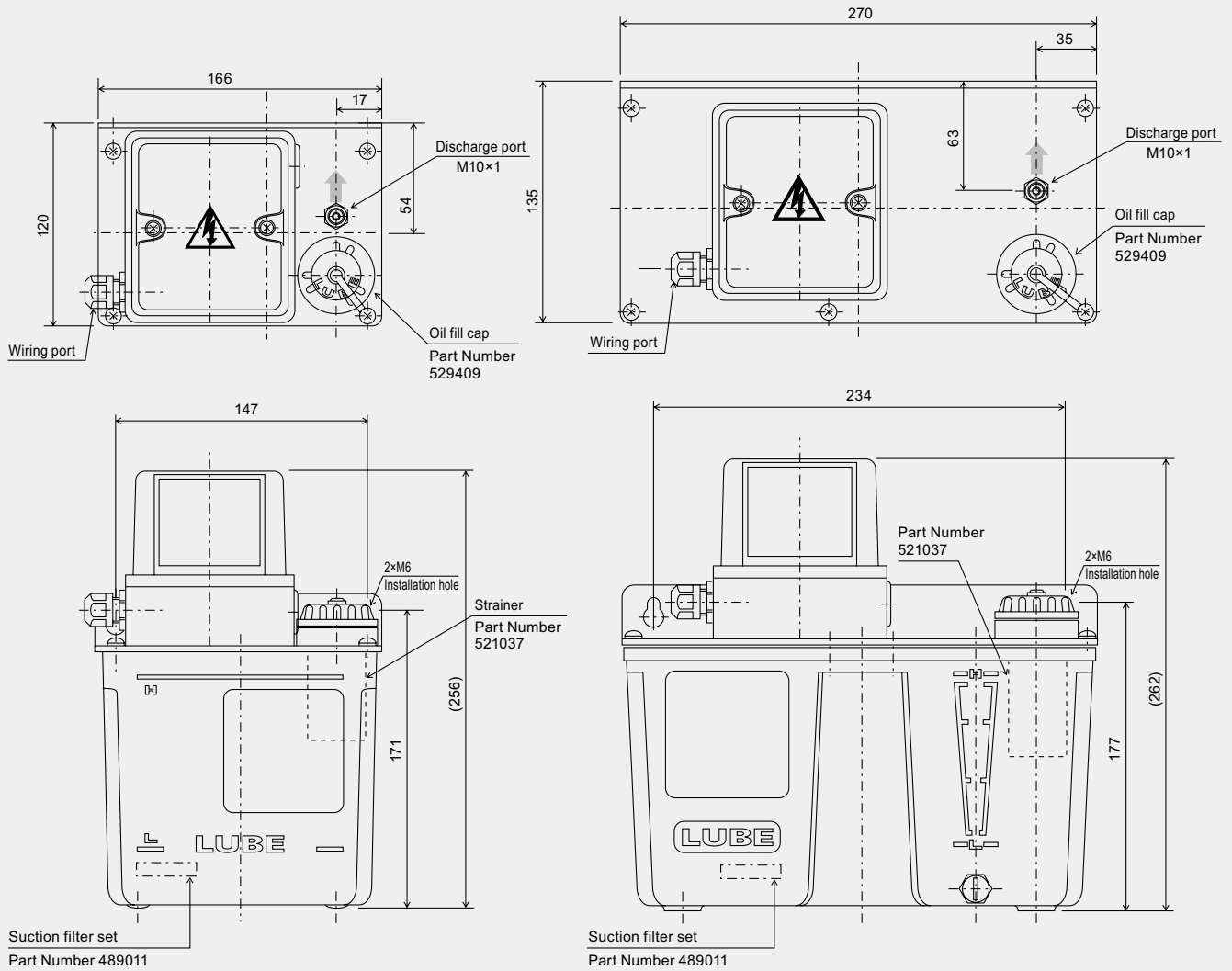


Reservoirs : P.171



Flexible pipe nozzle with metering valve: P.195

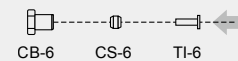
Dimensional drawing



[1.8l]

[3l]

Parts for connecting to the discharge port



Improper handling can result in a death or serious injury

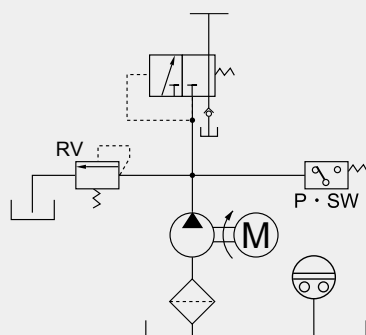


Electrical shock may be received under certain conditions



Be sure to ground.

Hydraulic circuit drawing



Wiring diagram

