

# QM1 SERIES

## ELECTROMECHANICAL ENCLOSURES FOR DRAINAGE AND SEWER PUMPS, SURFACE AND SUBMERSIBLE



Single phase electromechanical enclosure for an electric pump.  
Drainage/Sewer - Surface - Submersible.

### TECHNICAL DATA

- Power supply 1~ 50/60Hz 230V  $\pm 10\%$
- Master power switch with door interlock
- Transformer for control circuit power
- Contactor
- Protection rating IP55

### INPUTS

- 4 very low voltage inputs for:
  - emergency stop SL/SP STOP (e.g.: float switch to protect against dry running) active in both AUTOMATIC and MANUAL modes
  - functional start/stop SL/SP 1 (e.g.: control float switch)
  - max level alarm SL/SP MAX
  - motor stopped by thermal cutout

### COMMANDS AND SIGNALS

- AUTOMATIC-OFF-MANUAL switch
- 3 warning lamps:
  - Power on
  - Pump running
  - Protection device tripped

### ALARMS AND PROTECTION DEVICES

- Thermal relay sensitive to phase loss, internal re-arm
- Motor fuses
- Control circuit fuses
- 24V AC alarm output, excited when overload or max level protection trips
- Motor stopped by thermal cutout

### CONDITIONS OF SERVICE

- Ambient temperature -5 / +40 °C
- Relative humidity 50% with max temp. 40°C

### NOTES

- The power rating is approximate; or a correct selection of the enclosure check that the motor's power draw (amps) is within the enclosure's operating current range
- Thermoplastic housing (P)
- Configured for starting capacitor

### ELECTRICAL DATA TABLE

Model	V~50/60Hz	Nominal current [A]	kW	Weight [kg]	Dimensions [mm]		
					A	B	C
ENCLOSURE QMDE10/4A-T-AR -1	1~230	2.8-3.8	0.25	4.5	385	305	160
ENCLOSURE QMDE10/5A-T-AR -1	1~230	3.8-5.2	0.37	4.5	385	305	160
ENCLOSURE QMDE10/7A-T-AR -1	1~230	5.2-6.9	0.55	4.5	385	305	160
ENCLOSURE QMDE10/9A-T-AR -1	1~230	6.9-9.1	0.75	4.5	385	305	160
ENCLOSURE QMDE10/12A-T-AR -1	1~230	9.1-12	1.1	4.5	385	305	160
ENCLOSURE QMDE10/15A-T-AR -1	1~230	12-14.5	1.5	4.5	385	305	160
ENCLOSURE QMDE10/18A-T-AR -1	1~230	14.5-18	2.2	4.5	385	305	160