

QS1 SERIES

ELECTROMECHANICAL ENCLOSURES FOR DRAINAGE AND SEWER PUMPS, SURFACE AND SUBMERSIBLE

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

TECHNICAL DATA

- Power supply 3~ 50/60Hz 400V ±10%
- Master power switch with door interlock
- Transformer for control circuit power
- Contactors
- Adjustable star/delta switching timer (0.1 - 600 s)
- 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
 - 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) up to 20.5A, metal (M) for larger sizes 20.5 - 170A



ELECTRICAL DATA TABLE

Model	V~50/60Hz	Nominal current [A]	kW	Weight [kg]	Dimensions [mm]		
					A	B	C
ENCLOSURE QTSE 10/9A-T-AR -1*	3~400	6.5-9	3	7.5	460	385	160
ENCLOSURE QTSE 10/12A-T-AR -1*	3~400	9-12	4	7.5	460	385	160
ENCLOSURE QTSE 10/16A-T-AR -1*	3~400	12-15.5	5.5	8.5	460	385	160
ENCLOSURE QTSE 10/21A-T-AR -1*	3~400	15.5-20.5	7.5	8.5	460	385	160
ENCLOSURE QTSE 10/25A-T-AR -1*	3~400	20.5-25	9	21	500	400	240
ENCLOSURE QTSE 10/31A-T-AR -1*	3~400	25-31	11	21	500	400	240
ENCLOSURE QTSE 10/37A-T-AR -1*	3~400	31-37	15	21	500	400	240
ENCLOSURE QTSE 10/45A-T-AR -1*	3~400	37-45	18.5	21	500	400	240
ENCLOSURE QTSE 10/55A-T-AR -1*	3~400	45-55	22	36	700	500	240
ENCLOSURE QTSE 10/73A-T-AR -1*	3~400	56-73	30	36	700	500	240
ENCLOSURE QTSE 10/83A-T-AR -1*	3~400	69-83	37	36	700	500	240
ENCLOSURE QTSE 10/105A-T-AR-1*	3~400	90-105	45	-	-	-	-
ENCLOSURE QTSE 10/135A-T-AR-1*	3~400	120-135	55	-	-	-	-
ENCLOSURE QTSE 10/170A-T-AR-1*	3~400	130-170	70	-	-	-	-

* Star/delta starting