

# QS2 SERIES

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

Three phase electromechanical enclosure for two electric pumps.  
Drainage/Sewer - Surface - Submersible.

### TECHNICAL DATA

- Power supply 3~ 50/60Hz 400V ±10%
- Master power switch with door interlock
- Transformer for control circuit power
- Contactor for each motor
- Adjustable star/delta switching timer (0.1 - 600 s) for each motor
- Heat exchanger
- Protection rating IP55

### INPUTS

- 6 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 and 2 (e.g.: control float switch)
  - max level alarm SL/SP MAX
  - motor stopped by thermal cutout

### COMMANDS AND SIGNALS

- AUTOMATIC-OFF-MANUAL switch for each motor
- 5 warning lamps:
  - Power on
  - Electric pump 1 or 2 running
  - Motor protection 1 or 2 tripped

### ALARMS AND PROTECTION DEVICES

- Thermal relay sensitive to phase loss, internal re-arm, per motor
- Motor fuses for each motor
- 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 The operating current and power values given in the table refer to a single motor
- Metal housing (M) up to 45A



### ELECTRICAL DATA TABLE

Model	V~50/60Hz	Nominal current [A]	kW	Weight [kg]	Dimensions [mm]		
					A	B	C
ENCLOSURE QTSE20/9A-T-AR -1	3~400	6.5-9	3	31	700	500	240
ENCLOSURE QTSE20/12A-T-AR -1	3~400	9-12	4	31	700	500	240
ENCLOSURE QTSE20/16A-T-AR -1	3~400	12-15.5	5.5	33	700	500	240
ENCLOSURE QTSE20/21A-T-AR -1	3~400	15.5-20.5	7.5	33	700	500	240
ENCLOSURE QTSE20/25A-T-AR -1	3~400	20.5-25	9	42	800	600	290
ENCLOSURE QTSE20/31A-T-AR -1	3~400	25-31	11	42	800	600	290
ENCLOSURE QTSE20/37A-T-AR -1	3~400	31-37	15	42	800	600	290
ENCLOSURE QTSE20/45A-T-AR -1	3~400	37-45	18.5	42	800	600	290
ENCLOSURE QTSE20/55A-T-AR -1	3~400	45-55	22	-	-	-	-
ENCLOSURE QTSE20/73A-T-AR -1	3~400	56-73	30	-	-	-	-
ENCLOSURE QTSE20/83A-T-AR -1	3~400	69-83	37	-	-	-	-
ENCLOSURE QTSE20/105A-T-AR -1	3~400	90-105	45	-	-	-	-
ENCLOSURE QTSE20/135A-T-AR -1	3~400	120-135	55	-	-	-	-
ENCLOSURE QTSE20/170A-T-AR -1	3~400	130-170	70	-	-	-	-