

## QTL/A 3 ST FT Control panel for 3 pumps with three-phase motor, Y/Δ starting



Code	Type	Motor Power kW	400V - 3~	Dimensions HxBxP mm
			Current A	
14055030000	QTL/A 3 ST 5,5 FT	5,5	11 - 15	700x500x200
14055040000	QTL/A 3 ST 7,5 FT	7,5	12 - 17	700x500x200
14055050000	QTL/A 3 ST 11 FT	9,2 - 11	16 - 24	800x600x250
14055060000	QTL/A 3 ST 15 FT	15	23 - 31	800x600x250
14055070000	QTL/A 3 ST 18,5 FT	18,5	30 - 39	1000x600x250
14055080000	QTL/A 3 ST 22 FT	22	35 - 43	1100x700x250
14055090000	QTL/A 3 ST 30B FT	30	42 - 55	1200x800x300
14055100000	QTL/A 3 ST 30A FT	30	55 - 65	1200x800x300
14055110000	QTL/A 3 ST 37 FT	37	61 - 84	1400x800x400
14055120000	QTL/A 3 ST 45 FT	45	80 - 105	1400x800x400

### Construction

Control panel for 3 pumps with three-phase motor, Y/Δ starting, for pressure booster sets, with working time-measuring system that stops the pump in case of lack of air cushion in the pressure vessel.

Pump operation cascade mode controlled by an electronic board type MPS 3000 with microprocessor which allows different operation modes: standard, emergency and timed.

Dry-running protection with float switch or level control probes.

### Components

- Metal case. - Door lock master switch. - Fuses for power line.
- Fuses for auxiliary circuit. - Starting contactors.
- Thermal relay. - Y/Δ timers. - Transformer.
- Electronic board type MPS 3000 with microprocessor.
- Terminals for pressure trasducer / level probes.
- Connection terminals for thermal protector.
- Connection terminals for the RA 100 - RA 100A type.
- Terminals for pumps connection.
- Terminals for pressure switch connection.
- Terminals for float switch or flow switch connection against dry-running.
- Terminals for remote signals - Cable glands.

### Technical data

- Mains 400V ±10% 50/60 Hz (other voltages on request).
- Ambient temperature from -5 °C to +40 °C.
- Protection IP 55.

### ON REQUEST:

- Volt free contact control panel Q-MSP 13M.
- RA 100 - RA 100A control panel for remote alarm.
- Voltmeter. - Ammeter.

## QTL/A 3 ST FT-RH Electric control panel for 3 drainage pumps with three-phase motor, Y/Δ starting



Code	Type	Motor Power kW	400V - 3~	Dimensions HxBxP mm
			Current A	
14055130000	QTL/A 3 ST 4 FT-RH	4	7 - 11	700x500x200
14055140000	QTL/A 3 ST 5,5 FT-RH	5,5	11 - 15	700x500x200
14055150000	QTL/A 3 ST 7,5 FT-RH	7,5	12 - 17	700x500x200
14055160000	QTL/A 3 ST 11 FT-RH	9,2 - 11	16 - 24	800x600x250
14055170000	QTL/A 3 ST 15 FT-RH	15	23 - 31	800x600x250
14055180000	QTL/A 3 ST 18,5 FT-RH	18,5	30 - 39	1000x600x250
14055190000	QTL/A 3 ST 22 FT-RH	22	35 - 43	1100x700x250
14055200000	QTL/A 3 ST 30B FT-RH	30	42 - 55	1200x800x300
14055210000	QTL/A 3 ST 30A FT-RH	30	55 - 65	1200x800x300
14055220000	QTL/A 3 ST 37 FT-RH	37	61 - 84	1400x800x400
14055230000	QTL/A 3 ST 45 FT-RH	45	80 - 105	1400x800x400
14055240000	QTL/A 3 ST 55 FT-RH	55	100 - 125	1600x800x400
14055250000	QTL/A 3 ST 75 FT-RH	75	120 - 150	1600x1000x400
14055260000	QTL/A 3 ST 92 FT-RH	92	155 - 255	1600x1000x400

### Construction

Control panel with protection for 3 submersible drainage pumps with three-phase motor, Y/Δ starting.

Operation managed by the MPS 3000 electronic circuit board that incorporates the following functions:

- changes pumps at every pump start.
- changes working pumps after 30 minutes of uninterrupted operation.
- automatic functioning test of each individual pump every set hours of inactivity (with pumps in the automatic functioning mode).

- Pump control with signals coming from:

- **4 float switches:** for starting-up and stopping pump, for the alarm (maximum level is optional).
- **5 float switches:** for starting-up pump, for stopping the pumps and for the alarm (maximum level is optional).

### Technical data

- Mains 400V 3 ~ ±10% 50/60 Hz (other voltages on request).
- Ambient temperature from -5 °C to +40 °C. - Protection IP 55.

### Components

- Metal case.
- Line selector switch with door-locking device.
- Power line fuses. - Auxiliary circuit fuses.
- Contactors. - Y/Δ timers.
- Electronic board type MPS 3000 with microprocessor.
- Terminals for pressure trasducer / level probes.
- Connection terminals for thermal protector.
- Connection terminals for the RA 100 - RA 100A type.
- Connection terminals for float switches.
- Connection terminals for water seepages probe.
- Cable glands.

### ON REQUEST:

- Volt free contact control panel Q-MSP 13M.
- RA 100 - RA 100A control panel for remote alarm .
- Voltmeter. - Ammeter.