LOWARA xylem

Technical brochure
Cod. 191007691 Rev. H Ed.06/2026

50/60 Hz







CONTROL PANELS

Range of panels for control and protection
of Lowara electric pumps

xylem

Lowara and Solver are trademarks or registered trademarks of Xylem Inc. or one of its subsidiaries.
All other trademarks or registered trademarks are property of their respective owners

CONTENTS

SINGLE-PHASE ELECTRIC PANEL

QPC, QPC/A Series 4

QPCS Series 5

QSC Series 6

QSC 60Hz Series 7

Q-SMART Series 8

Q1S Series 9

THREE-PHASE ELECTRIC PANEL

Q1D Series 10

Q3D Series 11

Q3Y Series 12

Q3I Series 13

Q3A Series 14

Q3SF Series 15

ELECTRICAL PANEL FOR DRAINAGE PUMPS THREE-PHASE

QDR Series 16

QDR2 Series 17

QYR Series 18

QYR2 Series 20

LEVEL CONTROL PANEL

QCL5 Series 22

QCL10 Series 23

ACCESSORIES 24

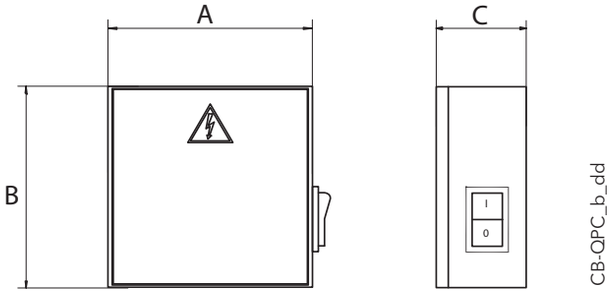
Single-phase
Electric Panel

APPLICATIONS
Protection and control of a single-phase submersible electric pump for 4” wells.

QPC, QPC/A Series



SPECIFICATIONS
- Main switch for manual control.
- Supply voltage: 1 x 230 V ±10%.
- Frequency: 50 Hz.
- Power: 0,37 to 2,2 kW.
- Direct motor start.
- Protection class: IP54.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted with fins.
- Plastic enclosure.
- Incorporated capacitor.
- Main switch with manual-reset thermal protection and power indicator light.



QPC Series

MODEL	RATED VOLTAGE (V)	RATED POWER		RATED CURRENT (A)	CAPACITOR (450 V) µF	DIMENSIONS (mm)			WEIGHT (KG)
		kW	HP			A	B	C	
QPC/03	1 x 230 ± 10%	0,37	0,5	4	16	170	170	75	1,1
QPC/05	1 x 230 ± 10%	0,55	0,75	5	20	170	170	75	1,1
QPC/07	1 x 230 ± 10%	0,75	1	6	30	170	170	75	1,1
QPC/11	1 x 230 ± 10%	1,1	1,5	9	40	170	170	75	1,1
QPC/15	1 x 230 ± 10%	1,5	2	11	50	170	170	75	1,1
QPC/22	1 x 230 ± 10%	2,2	3	16	70	170	170	127	1,2

CB-QPC-en_b_te

QPC/A Series

MODEL	RATED VOLTAGE (V)	RATED POWER		RATED CURRENT (A)	CAPACITOR (500 V) µF	DIMENSIONS (mm)			WEIGHT (KG)
		kW	HP			A	B	C	
QPC/03/A	1 x 230 ± 10%	0,37	0,5	4	16	170	170	75	1,1
QPC/05/A	1 x 230 ± 10%	0,55	0,75	5	20	170	170	75	1,1
QPC/07/A	1 x 230 ± 10%	0,75	1	6	30	170	170	75	1,1
QPC/11/A	1 x 230 ± 10%	1,1	1,5	9	40	170	170	75	1,1
QPC/15/A	1 x 230 ± 10%	1,5	2	11	50	170	170	127	1,2
QPC/22/A	1 x 230 ± 10%	2,2	3	16	70	170	170	127	1,2

CB-QPCA-en_a_te

Single-phase Electric Panel

QPCS Series

APPLICATIONS

Protection and control of a single-phase submersible electric pump for 4” wells.

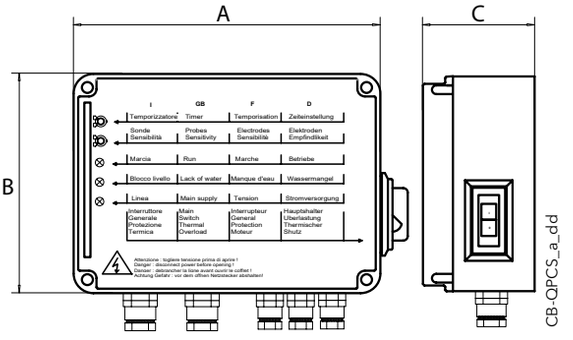


SPECIFICATIONS

- Automatic control through an external enable contact.
- Supply voltage: 1 x 230 V ±10%.
- Frequency: 50 Hz.
- Power: 0,37 to 2,2 kW.
- 12 VAC low-voltage auxiliary circuit.
- Direct motor start.
- Protection class: IP54.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted with fins.
- Plastic enclosure with transparent cover.
- Incorporated capacitor.
- Main switch with manual-reset thermal protection and power indicator light.
- Power, pump running, level control LED.
- Overvoltage discharges.
- Dry running control through probes or float or minimum pressure switch.

OPTIONAL ACCESSORIES

- Set of 3 electrodes (probes) without cable
- Float
- Pressure switch



MODEL	RATED VOLTAGE (V)	RATED POWER		RATED CURRENT (A)	CAPACITOR (450 V)	DIMENSIONS (mm)			WEIGHT (KG)
		kW	HP		µF	A	B	C	
QPCS/03	1 x 230 ± 10%	0,37	0,5	4	16	200	150	80	1,3
QPCS/05	1 x 230 ± 10%	0,55	0,75	5	20	200	150	80	1,3
QPCS/07	1 x 230 ± 10%	0,75	1	6	30	200	150	80	1,3
QPCS/11	1 x 230 ± 10%	1,1	1,5	9	40	200	150	80	1,3
QPCS/15	1 x 230 ± 10%	1,5	2	11	50	200	150	80	1,3
QPCS/22	1 x 230 ± 10%	2,2	3	16	70	200	150	80	1,3

CB-QPCS-en_b_te

Single-phase Electric Panel

QSC Series

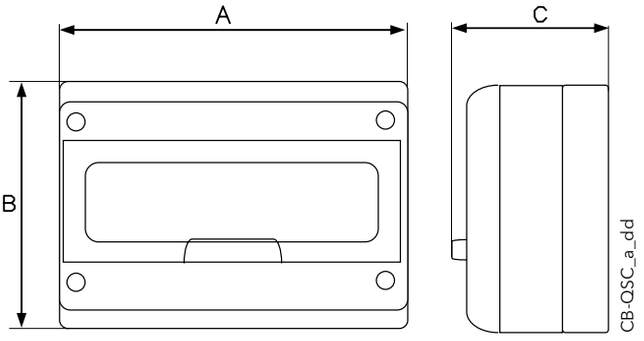
APPLICATIONS

Protection and control of a single-phase submersible electric pump for 4” wells.



SPECIFICATIONS

- Main switch for manual control.
- Supply voltage: 1 x 230 V ±10%.
- Frequency: 50 Hz.
- Power: 0,37 to 2,2 kW.
- Direct motor start.
- Protection class: IP55.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted.
- Plastic enclosure.
- Incorporated capacitor.
- Main switch with manual-reset thermal protection.



MODEL	RATED VOLTAGE (V)	RATED POWER		RATED CURRENT (A)	CAPACITOR (450 V) µF	DIMENSIONS (mm)			WEIGHT (Kg)
		kW	HP			A	B	C	
QSC/03	1 x 230 ± 10%	0,37	0,5	2,5 ÷ 4	16	195	220	112	1,7
QSC/05	1 x 230 ± 10%	0,55	0,75	4 ÷ 6,3	20	195	220	112	1,7
QSC/07	1 x 230 ± 10%	0,75	1	4 ÷ 6,3	30	195	220	112	1,7
QSC/11	1 x 230 ± 10%	1,1	1,5	6,3 ÷ 10	40	195	220	112	1,7
QSC/15	1 x 230 ± 10%	1,5	2	10 ÷ 16	50	195	220	112	1,7
QSC/22	1 x 230 ± 10%	2,2	3	16 ÷ 20	70	195	220	112	2,7

CB-QSC-en_g_te

Single-phase Electric Panel

QSC 60Hz Series

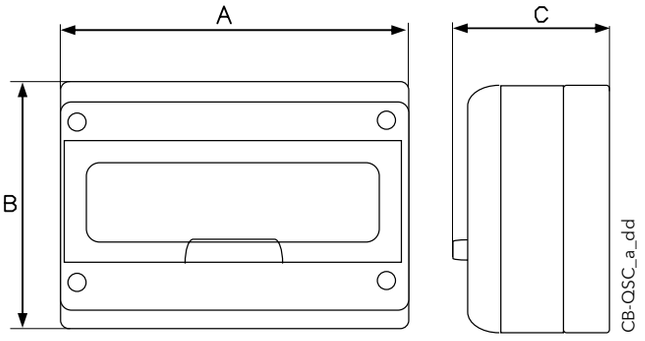
APPLICATIONS

Protection and control of a single-phase submersible electric pump for 4” wells.



SPECIFICATIONS

- Main switch for manual control.
- Supply voltage: 1 x 230 V ±10%.
- Frequency: 60 Hz.
- Power: 0,37 to 1,5 kW.
- Direct motor start.
- Protection class: IP55.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted.
- Plastic enclosure.
- Incorporated capacitor.
- Main switch with manual-reset thermal protection.



MODEL	RATED VOLTAGE (V)	RATED POWER		RATED CURRENT (A)	CAPACITOR (450 V) µF	DIMENSIONS (mm)			WEIGHT (Kg)
		kW	HP			A	B	C	
QSC/036	1 x 230 ± 10%	0,37	0,5	2,5 ÷ 4	20	195	200	112	1,7
QSC/056	1 x 230 ± 10%	0,55	0,75	4 ÷ 6,3	25	195	200	112	1,7
QSC/056A	1 x 230 ± 10%	0,55	0,75	6,3 ÷ 10	25	195	200	112	1,7
QSC/076	1 x 230 ± 10%	0,75	1	6,3 ÷ 10	35	195	200	112	1,7
QSC/116	1 x 230 ± 10%	1,1	1,5	6,3 ÷ 10	40	195	200	112	1,7
QSC/116A	1 x 230 ± 10%	1,1	1,5	10 ÷ 16	40	195	200	112	1,7
QSC/156	1 x 230 ± 10%	1,5	2	10 ÷ 16	50	195	200	112	1,7

CB-QSC6-en_e_te

Single-phase Electric Panel

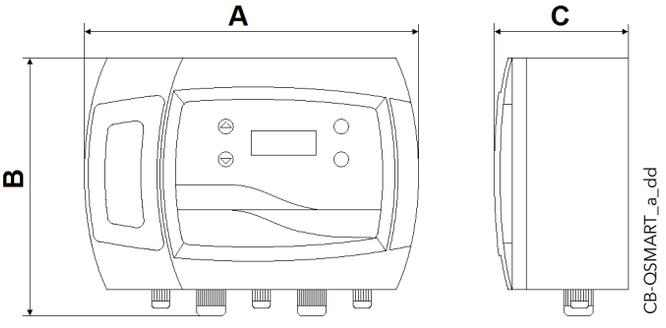
APPLICATIONS
Protection and control of 1 or 2 electric pumps to be used for controlling pressure boosting or sewage applications.

Q-SMART Series



SPECIFICATIONS
- Power: until 1,5 kW.
- Supply voltage:1 x 230 V ±10% 50/60Hz
- Protection class: IP55.
- Pressure monitoring by sensor.
- Electric pump automatic check by eletronic threshoulds with disabled of cycle reversal function.
- Jockey pump management by disabled of cycle reversal function.
- Adjustable electronic thresholds to manage start and stop of each electric pumps.
- Recording of operating hours and alarms.
- Dedicated circuit for connection of electrode probes with sensitivity adjustment.
- Dry run, overload and shortcircuit protections.
- Connection for external ON/OFF or external alarm.
- Bypass functionality to be used in the event of failure of the electronic board to guarantee the operation of the pumps.

OPTIONAL ACCESSORIES
- Modbus Q-Smart module
- 6CP Q-Smart module



MODEL	N° PUMPS MENAGED	RATED VOLTAGE (V)	CONTACTOR RANGE (V)	CONTACTOR RANGE (A)	MAGNETO-THERMAL SWITCH	DIMENSIONS (mm) A	DIMENSIONS (mm) B	DIMENSIONS (mm) C	WEIGHT (Kg)
Q-SMART 10	1	1~ 230±10%	230	12	C 32 A Icn 4,5 KA	262	218	96	1,5
Q-SMART 20	2	1~ 230±10%	230	12	C 32 A Icn 4,5 KA	262	218	96	1,5

CB-QSMART-en_b_te

VERSATILE
50 different combinations available within this one product that can be used for controlling pressure boosting or sewage applications.
Pre-programmed packages that decrease installation and commissioning costs.

Single-phase Electric Panel

Q1S Series

APPLICATIONS

Protection and control of a single-phase electric pump.

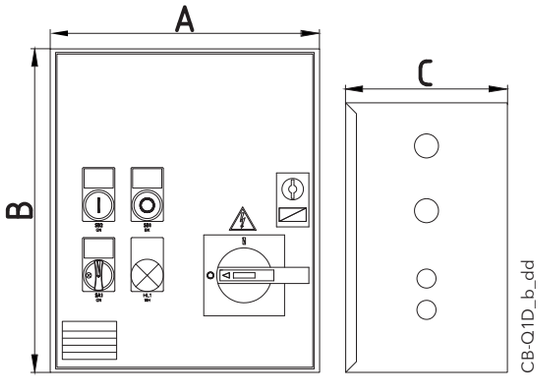


SPECIFICATIONS

- Manual control through start and stop push button.
- Automatic control through an external enable contact.
- Supply voltage: 1 x 230 V ±10%.
- Frequency: 50/60 Hz.
- 24 VAC low voltage auxiliary circuit.
- Power: 0,37 to 1,5 kW.
- Direct motor start.
- Short-circuit and overload protection.
- Protection class: IP55.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted.
- Metal enclosure.
- Power and pump running indicator lights.
- Ready for installation of dry running control float or pressure switch (to be ordered separately). Can be equipped with electronic protection module with electrodes.
- Free voltage contacts of pump running and thermal overload

OPTIONAL ACCESSORIES

- LVM series 24 V level kit. Probe module for protection against dry running (set of three electrodes included in the supply).
- Float switch
- Pressure switch



MODEL	RATED VOLTAGE (V)	RATED POWER		RATED CURRENT (A)	DIMENSIONS (mm)			WEIGHT (KG)
		kW	HP		A	B	C	
Q1S/03-05	1 x 230 ± 10%	0,37-0,55	0,55-0,75	2,5 ÷ 4	250	300	150	7,5
Q1S/07	1 x 230 ± 10%	0,75	1	4 ÷ 6,3	250	300	150	7,5
Q1S/11-15	1 x 230 ± 10%	1,1-1,5	1,5-2	6,3 ÷ 10	250	300	150	7,5

CB-Q1S-en_a_te

Three-phase Electric Panel

Q1D Series

APPLICATIONS

Protection and control of a three-phase electric pump.

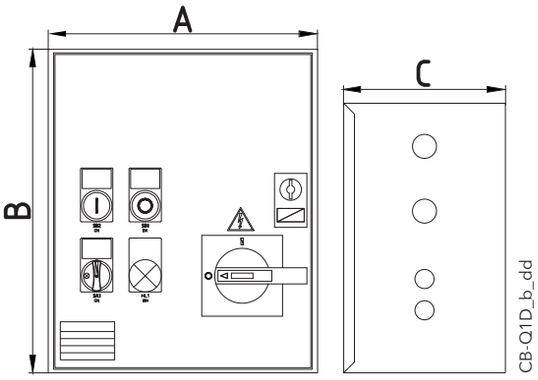


SPECIFICATIONS

- Manual control through start and stop push button.
- Automatic control through an external enable contact.
- Supply voltage: 3 x 400 V ±10%.
- Frequency: 50/60 Hz.
- 24 VAC low voltage auxiliary circuit.
- Power: 0,37 to 15 kW.
- Direct motor start.
- Short-circuit and overload protection.
- Protection class: IP55.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted.
- Metal enclosure.
- Power and pump running indicator lights.
- Ready for installation of dry running control float or pressure switch (to be ordered separately). Can be equipped with electronic protection module with electrodes.
- Free voltage contacts of pump running and thermal overload

OPTIONAL ACCESSORIES

- LVM series 24 V level kit. Probe module for protection against dry running (set of three electrodes included in the supply)
- Float switch
- Pressure switch



MODEL	RATED VOLTAGE (V)	RATED POWER		RATED CURRENT (A)	DIMENSIONS (mm)			WEIGHT (KG)
		kW	HP		A	B	C	
Q1D/03-05	3 x 400 ± 10%	0,37-0,55	0,55-0,75	1 ÷ 1,6	250	300	150	7,5
Q1D/07	3 x 400 ± 10%	0,75	1	1,6 ÷ 2,5	250	300	150	7,5
Q1D/11-15	3 x 400 ± 10%	1,1-1,5	1,5-2	2,5 ÷ 4	250	300	150	7,5
Q1D/22	3 x 400 ± 10%	2,2	3	4 ÷ 6,3	250	300	150	7,5
Q1D/30-40	3 x 400 ± 10%	3-4	4-5,5	6,3 ÷ 10	250	300	150	7,5
Q1D/55	3 x 400 ± 10%	5,5	7,5	10 ÷ 12	300	400	200	8,5
Q1D/75	3 x 400 ± 10%	7,5	10	12 ÷ 16	300	400	200	8,5
Q1D/92	3 x 400 ± 10%	9,2	12,5	16 ÷ 20	300	400	200	9
Q1D/110	3 x 400 ± 10%	11	15	20 ÷ 25	300	400	200	9
Q1D/150	3 x 400 ± 10%	15	20	25 ÷ 32	300	400	200	9

CB-Q1D-en b te

Three-phase Electric Panel

Q3D Series

APPLICATIONS

Protection and control of a three-phase electric pump.

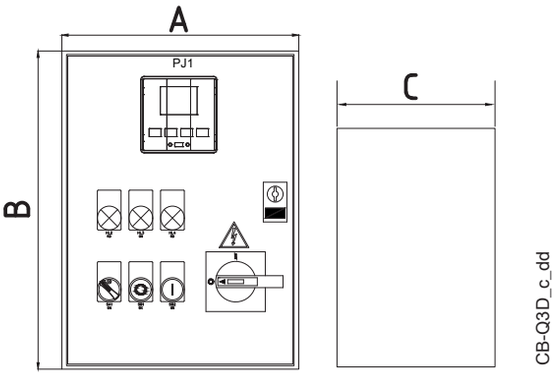


SPECIFICATIONS

- Manual control through start and stop push button.
- Automatic control through an external enable contact.
- Supply voltage: 3 x 400 V ±10%.
- Frequency: 50/60 Hz.
- 24 VAC low voltage auxiliary circuit.
- Power: 0,37 to 37 kW.
- Direct motor start.
- Short-circuit and overload protection.
- Protection class: IP54.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted.
- Metal enclosure.
- Power, pump running, thermal overload and dry running indicator lights.
- Ready for installation of dry running control float or pressure switch (to be ordered separately). Can be equipped with electronic protection module with electrodes.

OPTIONAL ACCESSORIES

- KSL series 24 V level kit. Probe module for protection gainst dry running (set of three electrodes included in the supply)
- Float switch
- Pressure switch



CB-Q3D_c_dd

MODEL	RATED VOLTAGE (V)	RATED POWER		RATED CURRENT (A)	DIMENSIONS (mm)			WEIGHT (KG)
		kW	HP		A	B	C	
Q3D/03-05	3 x 400 ± 10%	0,37-0,55	0,5-0,75	1 ÷ 1,6	300	400	200	15
Q3D/05-07	3 x 400 ± 10%	0,55-0,75	0,75-1	1,6 ÷ 2,5	300	400	200	15
Q3D/07-15	3 x 400 ± 10%	0,75-1,5	1-2	2,5 ÷ 4	300	400	200	15
Q3D/15-22	3 x 400 ± 10%	1,5-2,2	2-3	4 ÷ 6,3	300	400	200	15
Q3D/22-40	3 x 400 ± 10%	2,2-4	3-5,5	6,3 ÷ 10	300	400	200	15
Q3D/40-75	3 x 400 ± 10%	4-7,5	5,5-10	10 ÷ 16	300	400	200	15
Q3D/75-92	3 x 400 ± 10%	7,5-9,2	10-12,5	16 ÷ 20	300	400	200	15
Q3D/92-110	3 x 400 ± 10%	9,2-11	12,5-15	20 ÷ 25	300	400	200	20
Q3D/110-150	3 x 400 ± 10%	11-15	15-20	25 ÷ 32	400	500	200	20
Q3D/150-185	3 x 400 ± 10%	15-18,5	20-25	30 ÷ 42	400	500	200	20
Q3D/185-220	3 x 400 ± 10%	18,5-22	25-30	40 ÷ 54	400	600	200	27
Q3D/220-300	3 x 400 ± 10%	22-30	30-40	52 ÷ 65	400	600	200	27
Q3D/300-370	3 x 400 ± 10%	30-37	40-50	62 ÷ 73	400	600	200	27

CB-Q3D-en_d_te

Three-phase Electric Panel

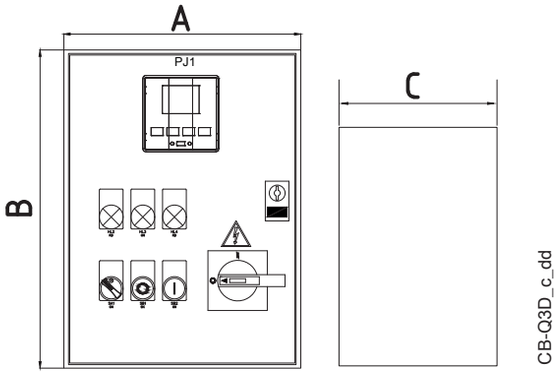
Q3Y Series

APPLICATIONS
Protection and control of a three-phase electric pump.



SPECIFICATIONS
- Manual control through start and stop push button.
- Automatic control through an external enable contact.
- Supply voltage: 3 x 400 V ±10%.
- Frequency: 50/60 Hz.
- 24 VAC low voltage auxiliary circuit.
- Power: 4 to 250 kW.
- Star-delta satrting.
- Short-circuit and overload protection.
- Protection class: IP54.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted.
- Metal enclosure.
- Power, pump running, thermal overload and dry running indicator lights.
- Ready for installation of dry running control float or pressure switch (to be ordered separately). Can be equipped with electronic protection module with electrodes.

OPTIONAL ACCESSORIES
- KSL series 24 V level kit. Probe module for protection against dry running (set of three electrodes included in the supply)
- Float switch
- Pressure switch



MODEL	RATED VOLTAGE (V)	RATED POWER		RATED CURRENT (A)	DIMENSIONS (mm)			WEIGHT (kg)
		kW	HP		A	B	C	
Q3Y/40-75	3 x 400 ± 10%	4-7,5	5,5-10	10 ÷ 16	400	500	200	23
Q3Y/75-92	3 x 400 ± 10%	7,5-9,2	10-12,5	16 ÷ 20	400	500	200	23
Q3Y/92-110	3 x 400 ± 10%	9,2-11	12,5-15	20 ÷ 25	400	500	200	23
Q3Y/110-150	3 x 400 ± 10%	11-15	15-20	25 ÷ 32	400	600	200	23
Q3Y/150-185	3 x 400 ± 10%	15-18,5	20-25	30 ÷ 42	400	600	200	23
Q3Y/185-220	3 x 400 ± 10%	18,5-22	25-30	40 ÷ 54	500	700	200	32
Q3Y/220-300	3 x 400 ± 10%	22-30	30-40	52 ÷ 65	500	700	200	32
Q3Y/300-370	3 x 400 ± 10%	30-37	40-50	62 ÷ 73	600	800	250	68
Q3Y/370-450	3 x 400 ± 10%	37-45	50-60	70 ÷ 80	600	800	250	80
Q3Y/450-550	3 x 400 ± 10%	45-55	60-75	80 ÷ 108	600	900	250	80
Q3Y/550-750	3 x 400 ± 10%	55-75	75-100	105 ÷ 138	600p*	1300p*	300p*	109
Q3Y/750-900	3 x 400 ± 10%	75-90	100-125	138 ÷ 185	600p*	1300p*	300p*	109
Q3Y/900-1100	3 x 400 ± 10%	90-110	125-150	175 ÷ 210	600p*	1500p*	300p*	120
Q3Y/1100-1320	3 x 400 ± 10%	110-132	150-180	210 ÷ 260	800p*	1700p*	400p*	130
Q3Y/1320-1600	3 x 400 ± 10%	132-160	180-218	250 ÷ 305	800p*	1700p*	400p*	130
Q3Y/1600-2000	3 x 400 ± 10%	160-200	218-273	290 ÷ 400	800p*	1900p*	400p*	140
Q3Y/2000-2500	3 x 400 ± 10%	200-250	273-339	400 ÷ 460	800p*	1900p*	400p*	140

* Note : P indicates floor mounted control panel.

CB-Q3Y-en_e_te

Three-phase Electric Panel

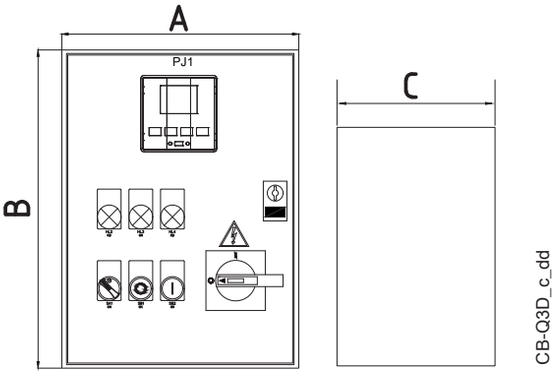
Q3I Series

APPLICATIONS
Protection and control of a three-phase electric pump.



SPECIFICATIONS
- Manual control through start and stop push button.
- Automatic control through an external enable contact.
- Supply voltage: 3 x 400 V ±10%.
- Frequency: 50/60 Hz.
- 24 VAC low voltage auxiliary circuit.
- Power: 4 to 250 kW.
- Impedance start.
- Short-circuit and overload protection.
- Protection class: IP54.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted.
- Metal enclosure.
- Power, pump running, thermal overload and dry running indicator lights.
- Ready for installation of dry running control float or pressure switch (to be ordered separately). Can be equipped with electronic protection module with electrodes.

OPTIONAL ACCESSORIES
- KSL series 24 V level kit. Probe module for protection gainst dry running (set of three electrodes included in the supply)
- Float switch
- Pressure switch



MODEL	RATED VOLTAGE (V)	RATED POWER		RATED CURRENT (A)	DIMENSIONS (mm)			WEIGHT (KG)
		kW	HP		A	B	C	
Q3I/40-75	3 x 400 ± 10%	4-7,5	5,5-10	10 ÷ 16	400	600	250	35
Q3I/75-92	3 x 400 ± 10%	7,5-9,2	10-12,5	16 ÷ 20	400	600	250	35
Q3I/92-110	3 x 400 ± 10%	9,2-11	12,5-15	20 ÷ 25	400	600	250	35
Q3I/110-150	3 x 400 ± 10%	11-15	15-20	25 ÷ 32	500	700	250	50
Q3I/150-185	3 x 400 ± 10%	15-18,5	20-25	30 ÷ 42	500	700	250	50
Q3I/185-220	3 x 400 ± 10%	18,5-22	25-30	40 ÷ 54	500	700	250	50
Q3I/220-300	3 x 400 ± 10%	22-30	30-40	52 ÷ 65	500	700	250	65
Q3I/300-370	3 x 400 ± 10%	30-37	40-50	62 ÷ 73	500	700	250	65
Q3I/370-450	3 x 400 ± 10%	37-45	50-60	70 ÷ 80	600	900	250	65
Q3I/450-550	3 x 400 ± 10%	45-55	60-75	80 ÷ 108	600p*	1300p*	300p*	100
Q3I/550-750	3 x 400 ± 10%	55-75	75-100	105 ÷ 138	600p*	1300p*	300p*	100
Q3I/750-900	3 x 400 ± 10%	75-90	100-125	138 ÷ 185	600p*	1500p*	300p*	100
Q3I/900-1100	3 x 400 ± 10%	90-110	125-150	175 ÷ 210	800p*	1700p*	400p*	100
Q3I/1100-1320	3 x 400 ± 10%	110-132	150-180	210 ÷ 260	800p*	1700p*	400p*	150
Q3I/1320-1600	3 x 400 ± 10%	132-160	180-218	250 ÷ 305	800p*	1700p*	400p*	150
Q3I/1600-2000	3 x 400 ± 10%	160-200	218-273	290 ÷ 400	800p*	1900p*	400p*	160
Q3I/2000-2500	3 x 400 ± 10%	200-250	273-339	400 ÷ 460	1000p*	1900p*	500p*	180

* Note : P indicates floor mounted control panel.

CB-Q3I-en_e_te

Three-phase Electric Panel

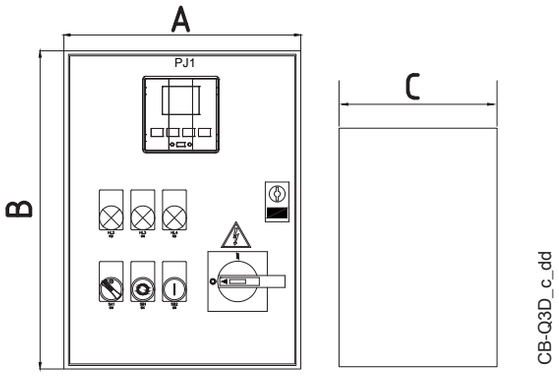
Q3A Series

APPLICATIONS
Protection and control of a three-phase electric pump.



SPECIFICATIONS
- Manual control through start and stop push button.
- Automatic control through an external enable contact.
- Supply voltage: 3 x 400 V ±10%.
- Frequency: 50/60 Hz.
- 24 VAC low voltage auxiliary circuit.
- Power: 4 to 250 kW.
- Starting autotransformer.
- Short-circuit and overload protection.
- Protection class: IP54.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted.
- Metal enclosure.
- Power, pump running, thermal overload and dry running indicator lights.
- Ready for installation of dry running control float or pressure switch (to be ordered separately). Can be equipped with electronic protection module with electrodes.

OPTIONAL ACCESSORIES
- KSL series 24 V level kit. Probe module for protection against dry running (set of three electrodes included in the supply)
- Float switch
- Pressure switch



MODEL	RATED VOLTAGE (V)	RATED POWER kW	RATED POWER HP	RATED CURRENT (A)	DIMENSIONS (mm) A	DIMENSIONS (mm) B	DIMENSIONS (mm) C	WEIGHT (kg)
Q3A/40-75	3 x 400 ± 10%	4-7,5	5,5-10	10 ÷ 16	500	700	250	50
Q3A/75-92	3 x 400 ± 10%	7,5-9,2	10-12,5	16 ÷ 20	500	700	250	50
Q3A/92-110	3 x 400 ± 10%	9,2-11	12,5-15	20 ÷ 25	500	700	250	50
Q3A/110-150	3 x 400 ± 10%	11-15	15-20	25 ÷ 32	500	700	250	50
Q3A/150-185	3 x 400 ± 10%	15-18,5	20-25	30 ÷ 42	500	700	250	50
Q3A/185-220	3 x 400 ± 10%	18,5-22	25-30	40 ÷ 54	500	700	250	50
Q3A/220-300	3 x 400 ± 10%	22-30	30-40	52 ÷ 65	600	900	300	80
Q3A/300-370	3 x 400 ± 10%	30-37	40-50	62 ÷ 73	600	900	300	80
Q3A/370-450	3 x 400 ± 10%	37-45	50-60	70 ÷ 80	600p*	1300p*	300p*	90
Q3A/450-550	3 x 400 ± 10%	45-55	60-75	80 ÷ 108	600p*	1500p*	300p*	120
Q3A/550-750	3 x 400 ± 10%	55-75	75-100	105 ÷ 138	600p*	1500p*	300p*	120
Q3A/750-900	3 x 400 ± 10%	75-90	100-125	138 ÷ 185	800p*	1700p*	400p*	150
Q3A/900-1100	3 x 400 ± 10%	90-110	125-150	175 ÷ 210	800p*	1900p*	400p*	150
Q3A/1100-1320	3 x 400 ± 10%	110-132	150-180	210 ÷ 260	800p*	1900p*	400p*	200
Q3A/1320-1600	3 x 400 ± 10%	132-160	180-218	250 ÷ 305	800p*	1900p*	400p*	200
Q3A/1600-2000	3 x 400 ± 10%	160-200	218-273	290 ÷ 400	800p*	1900p*	500p*	230
Q3A/2000-2500	3 x 400 ± 10%	200-250	273-339	400 ÷ 460	1000p*	1900p*	500p*	250

* Note : P indicates floor mounted control panel.

CB-Q3A-en_e_te

Three-phase Electric Panel

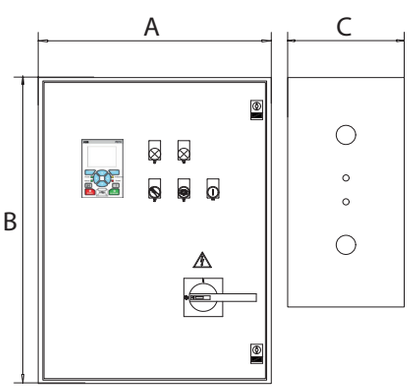
Q3SF Series

APPLICATIONS
Protection and control of a three-phase electric pump.



SPECIFICATIONS
- Manual control through start and stop push button.
- Automatic control through an external enable contact.
- Supply voltage: 3 x 400 V ±10%.
- Frequency: 50/60 Hz.
- 24 VAC low voltage auxiliary circuit.
- Power: 15 to 200 kW.
- Softstart with torque control.
- Protection class: IP55.
- Ambient temperature: -5 to +40 °C
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted.
- Metal enclosure.
- Dry running indicator light.
- Power - pump running - malfunction LEDs on starter keypanel.
- Ready for installation of dry running control float or pressure switch (to be ordered separately). Can be equipped with electronic protection module with electrodes.

OPTIONAL ACCESSORIES
- KSL series 24 V level kit. Probe module for protection against dry running (set of three electrodes included in the supply)
- Float switch
- Pressure switch



STATIC STARTER CHARACTERISTICS
Static starter for gradual start-up/ shutdown, featuring:
- keypanel with liquid crystal display showing voltage, absorbed current, cos φ, operating hours, number of starts, last twenty messages on system status (events / alarms).
- Protections against phase failure /phase sequence / frequency out of limits on power supply line.
- Low-voltage protection on auxiliary circuits.
- Protection against starter overtemperature / overload / malfunction.
- Protection against overload / locked rotor / current asymmetry on motor side.
- Short-circuit protection on inputs and outputs.
- Incorporated by-pass contactor.
- Modbus RTU incorporated.
- PTC/Pt100 switch.

MODEL	RATED VOLTAGE (V)	RATED POWER kW	RATED POWER HP	RATED CURRENT (A)	DIMENSIONS (mm) A	DIMENSIONS (mm) B	DIMENSIONS (mm) C	WEIGHT (KG)
Q3SF/150	3 x 400 ± 10%	15	20	15 ÷ 30	500	700	250	30
Q3SF/185	3 x 400 ± 10%	18,5	25	30 ÷ 37	500	700	250	30
Q3SF/220	3 x 400 ± 10%	22	30	37 ÷ 45	600	800	250	40
Q3SF/300	3 x 400 ± 10%	30	40	42 ÷ 60	600	800	250	40
Q3SF/370	3 x 400 ± 10%	37	50	55 ÷ 72	600	800	250	40
Q3SF/450	3 x 400 ± 10%	45	60	70 ÷ 85	600	800	250	40
Q3SF/550	3 x 400 ± 10%	55	75	80 ÷ 105	600	900	250	50
Q3SF/750	3 x 400 ± 10%	75	100	105 ÷ 142	600	1000	300	60
Q3SF/900	3 x 400 ± 10%	90	125	142 ÷ 170	600	1000	300	60
Q3SF/1100	3 x 400 ± 10%	110	150	170 ÷ 205	600p*	1700p*	400p*	110
Q3SF/1320	3 x 400 ± 10%	132	180	200 ÷ 250	600p*	1700p*	400p*	120
Q3SF/1600	3 x 400 ± 10%	160	218	250 ÷ 300	800p*	1900p*	400p*	150
Q3SF/2000	3 x 400 ± 10%	200	270	300 ÷ 370	1000p*	1900p*	400p*	180

* Note : P indicates floor mounted control panel.

CB-Q3SF-en e te

Electrical panel for drainage pumps three-phase

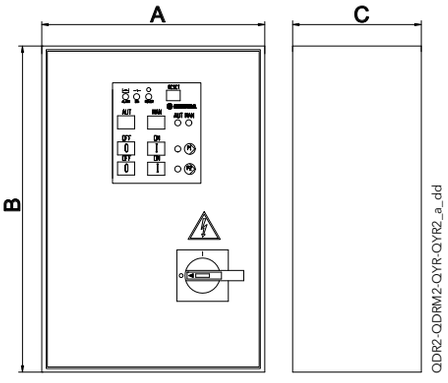
APPLICATIONS
Protection and control of one three-phase drainage pump.

QDR Series



SPECIFICATIONS
- Automatic control through electromechanical floats.
- Power supply voltage: 3 x 400 V ±10%.
- Frequency: 50/60 Hz.
- Power: 0,55 to 7,5 kW.
- Direct motor start.
- Protection class: IP54.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted.
- Metal enclosure.
- Electronic control module with test and alarm reset buttons, and power-on, pump running, high level alarm, indicator LED's and thermal probe.
- Alarm silencing button.
- TS version equipped with stator thermal protection circuit.
- LD version equipped with oil chamber water sensor control circuit and stator thermal protection.

OPTIONAL ACCESSORIES
- Audible or visual signalling device, 12 VDC 0,3 A max (two connection terminals provided inside the electrical panel) for high-level alarm.
- Signal relay board kit RILS20 (power, auto/man, start/stop, thermal overload, high level).



MODEL	RATED VOLTAGE (V)	RATED POWER		RATED CURRENT (A)			DIMENSIONS (mm)			WEIGHT (kg)
		kW	HP				A	B	C	
QDR/05	3 x 400 ± 10 %	0,55	0,75	1	÷	1,6	300	400	150	8,4
QDR/07	3 x 400 ± 10 %	0,75	1	1,6	÷	2,5	300	400	150	8,4
QDR/15	3 x 400 ± 10 %	1,1 ÷ 1,5	1,5 ÷ 2	2,5	÷	4	300	400	150	8,4
QDR/22	3 x 400 ± 10 %	2,2	3	4	÷	6,3	300	400	150	8,4
QDR/40	3 x 400 ± 10 %	3 ÷ 4	4 ÷ 5,5	6,3	÷	10	300	400	150	8,4
QDR/75	3 x 400 ± 10 %	5,5 ÷ 7,5	7,5 ÷ 10	10	÷	16	300	400	150	8,4
QDR/05/TS	3 x 400 ± 10 %	0,55	0,75	1	÷	1,6	300	400	150	13
QDR/07/TS	3 x 400 ± 10 %	0,75	1	1,6	÷	2,5	300	400	150	13
QDR/15/TS	3 x 400 ± 10 %	1,1 ÷ 1,5	1,5 ÷ 2	2,5	÷	4	300	400	150	13
QDR/22/TS	3 x 400 ± 10 %	2,2	3	4	÷	6,3	300	400	150	13
QDR/40/TS	3 x 400 ± 10 %	3 ÷ 4	4 ÷ 5,5	6,3	÷	10	300	400	150	13
QDR/75/TS	3 x 400 ± 10 %	5,5 ÷ 7,5	7,5 ÷ 10	10	÷	16	300	400	150	13
QDR/05/LD	3 x 400 ± 10 %	0,55	0,75	1	÷	1,6	400	500	200	17
QDR/07/LD	3 x 400 ± 10 %	0,75	1	1,6	÷	2,5	400	500	200	17
QDR/15/LD	3 x 400 ± 10 %	1,1 ÷ 1,5	1,5 ÷ 2	2,5	÷	4	400	500	200	17
QDR/22/LD	3 x 400 ± 10 %	2,2	3	4	÷	6,3	400	500	200	17
QDR/40/LD	3 x 400 ± 10 %	3 ÷ 4	4 ÷ 5,5	6,3	÷	10	400	500	200	17
QDR/75/LD	3 x 400 ± 10 %	5,5 ÷ 7,5	7,5 ÷ 10	10	÷	16	400	500	200	17

CB-QDR+QDRLD-en_g_te

Electrical panel for drainage pumps three-phase

APPLICATIONS

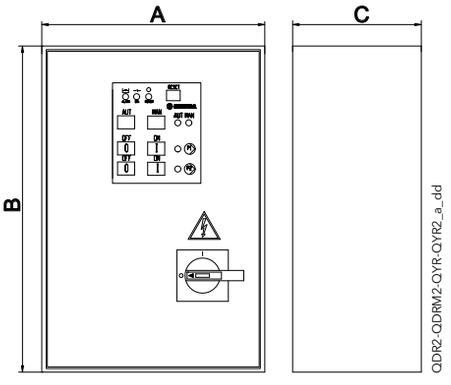
Protection and control of two three-phase drainage pumps.

QDR2 Series



SPECIFICATIONS

- Automatic control through electromechanical floats.
- Power supply voltage: 3 x 400 V ±10%.
- Frequency: 50/60 Hz.
- Power: 0,55 to 7,5 kW.
- Direct motor start.
- Protection class: IP54.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted.
- Metal enclosure.
- Electronic control module with test and alarm reset buttons, and power-on, pump running, high level alarm, indicator LED's and thermal probe.
- Alarm silencing button.
- TS version equipped with stator thermal protection circuit.
- LD version equipped with oil chamber water sensor control circuit and stator thermal protection.



OPTIONAL ACCESSORIES

- Audible or visual signalling device, 12 VDC 0,3 A max (two connection terminals provided inside the electrical panel) for high-level alarm.
- Signal relay board kit RILS20 (power, auto/man, start/stop, thermal overload, high level).

MODEL	RATED VOLTAGE (V)	RATED POWER kW	RATED POWER HP	RATED CURRENT (A)	DIMENSIONS (mm) A	DIMENSIONS (mm) B	DIMENSIONS (mm) C	WEIGHT (kg)
QDR2/05	3 x 400 ± 10 %	0,55	0,75	1 ÷ 1,6	300	400	150	9,4
QDR2/07	3 x 400 ± 10 %	0,75	1	1,6 ÷ 2,5	300	400	150	9,4
QDR2/15	3 x 400 ± 10 %	1,1 ÷ 1,5	1,5 ÷ 2	2,5 ÷ 4	300	400	150	9,4
QDR2/22	3 x 400 ± 10 %	2,2	3	4 ÷ 6,3	300	400	150	9,4
QDR2/40	3 x 400 ± 10 %	3 ÷ 4	4 ÷ 5,5	6,3 ÷ 10	300	400	150	9,4
QDR2/75	3 x 400 ± 10 %	5,5 ÷ 7,5	7,5 ÷ 10	10 ÷ 16	300	400	150	9,4
QDR2/05/TS	3 x 400 ± 10 %	0,55	0,75	1 ÷ 1,6	400	400	200	14
QDR2/07/TS	3 x 400 ± 10 %	0,75	1	1,6 ÷ 2,5	400	400	200	14
QDR2/15/TS	3 x 400 ± 10 %	1,1 ÷ 1,5	1,5 ÷ 2	2,5 ÷ 4	400	400	200	14
QDR2/22/TS	3 x 400 ± 10 %	2,2	3	4 ÷ 6,3	400	400	200	14
QDR2/40/TS	3 x 400 ± 10 %	3 ÷ 4	4 ÷ 5,5	6,3 ÷ 10	400	400	200	14
QDR2/75/TS	3 x 400 ± 10 %	5,5 ÷ 7,5	7,5 ÷ 10	10 ÷ 16	400	400	200	14
QDR2/05/LD	3 x 400 ± 10 %	0,55	0,75	1 ÷ 1,6	400	500	200	18
QDR2/07/LD	3 x 400 ± 10 %	0,75	1	1,6 ÷ 2,5	400	500	200	18
QDR2/15/LD	3 x 400 ± 10 %	1,1 ÷ 1,5	1,5 ÷ 2	2,5 ÷ 4	400	500	200	18
QDR2/22/LD	3 x 400 ± 10 %	2,2	3	4 ÷ 6,3	400	500	200	18
QDR2/40/LD	3 x 400 ± 10 %	3 ÷ 4	4 ÷ 5,5	6,3 ÷ 10	400	500	200	18
QDR2/75/LD	3 x 400 ± 10 %	5,5 ÷ 7,5	7,5 ÷ 10	10 ÷ 16	400	500	200	18

The /LD option also includes the /TS option.

CB-QDR2-en_f_te

Electrical panel for drainage pumps three-phase

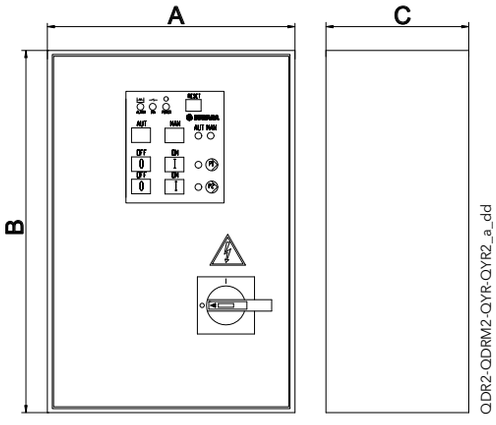
QYR Series

APPLICATIONS
Protection and control of one three-phase drainage pump with star-delta start.



SPECIFICATIONS
- Automatic control through electromechanical floats.
- Power supply voltage: 3 x 400 V ±10%.
- Frequency: 50/60 Hz.
- Power: 3 to 55 kW.
- Star-delta motor start.
- Protection class: IP54.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted.
- Metal enclosure.
- Electronic board with power, thermal overload, high level alarm, pump start/stop indicator LEDs.
- Alarm silencing button.
- TS version equipped with stator thermal protection circuit.
- LD version equipped with oil chamber water sensor control circuit and stator thermal protection.

OPTIONAL ACCESSORIES
- Audible or visual signalling device, 12 VDC 0.3 A max (two connection terminals provided inside the electrical panel) for high-level alarm
- Signal relay board kit RILS20 (power, auto/man, start/stop, thermal overload, high level)



QYR SERIES PANELS
ELECTRICAL DATA TABLE

MODEL	RATED VOLTAGE (V)	RATED POWER		RATED CURRENT (A)	DIMENSIONS (mm)			WEIGHT (kg)
		kW	HP		A	B	C	
QYR/40	3 x 400 ± 10 %	3 ÷ 4	4 ÷ 5,5	6,3 ÷ 10	400	500	200	25
QYR/75	3 x 400 ± 10 %	5,5 ÷ 7,5	7,5 ÷ 10	10 ÷ 16	400	500	200	25
QYR/92	3 x 400 ± 10 %	9,2	12,5	16 ÷ 20	400	500	200	25
QYR/110	3 x 400 ± 10 %	11	15	20 ÷ 25	400	500	200	25
QYR/150	3 x 400 ± 10 %	15	20	25 ÷ 32	400	600	200	27
QYR/185	3 x 400 ± 10 %	18,5	25	30 ÷ 42	400	600	200	27
QYR/220	3 x 400 ± 10 %	22	30	40 ÷ 54	500	700	200	32
QYR/300	3 x 400 ± 10 %	30	40	52 ÷ 65	500	700	200	32
QYR/370	3 x 400 ± 10 %	37	50	62 ÷ 73	600	800	250	32
QYR/450	3 x 400 ± 10 %	45	60	70 ÷ 80	600	800	250	32
QYR/550	3 x 400 ± 10 %	55	75	80 ÷ 108	600	900	250	37
QYR/22/TS	3 x 400 ± 10 %	2,2	3	4 ÷ 6,3	400	500	200	25
QYR/40/TS	3 x 400 ± 10 %	3 ÷ 4	4 ÷ 5,5	6,3 ÷ 10	400	500	200	26
QYR/75/TS	3 x 400 ± 10 %	5,5 ÷ 7,5	7,5 ÷ 10	10 ÷ 16	400	500	200	26
QYR/92/TS	3 x 400 ± 10 %	9,2	12,5	16 ÷ 20	400	500	200	26
QYR/110/TS	3 x 400 ± 10 %	11	15	20 ÷ 25	400	500	200	26
QYR/150/TS	3 x 400 ± 10 %	15	20	25 ÷ 32	400	600	200	27
QYR/185/TS	3 x 400 ± 10 %	18,5	25	30 ÷ 42	400	600	200	27
QYR/220/TS	3 x 400 ± 10 %	22	30	40 ÷ 54	500	700	200	32
QYR/300/TS	3 x 400 ± 10 %	30	40	52 ÷ 65	500	700	200	32
QYR/370/TS	3 x 400 ± 10 %	37	50	62 ÷ 73	600	800	250	33
QYR/450/TS	3 x 400 ± 10 %	45	60	70 ÷ 80	600	800	250	33
QYR/550/TS	3 x 400 ± 10 %	55	75	80 ÷ 108	600	900	250	37
QYR/40/LD	3 x 400 ± 10 %	3 ÷ 4	4 ÷ 5,5	6,3 ÷ 10	400	500	200	26
QYR/75/LD	3 x 400 ± 10 %	5,5 ÷ 7,5	7,5 ÷ 10	10 ÷ 16	400	500	200	26
QYR/92/LD	3 x 400 ± 10 %	9,2	12,5	16 ÷ 20	400	500	200	26
QYR/110/LD	3 x 400 ± 10 %	11	15	20 ÷ 25	400	500	200	26
QYR/150/LD	3 x 400 ± 10 %	15	20	25 ÷ 32	400	600	200	28
QYR/185/LD	3 x 400 ± 10 %	18,5	25	30 ÷ 42	400	600	200	28
QYR/220/LD	3 x 400 ± 10 %	22	30	40 ÷ 54	500	700	200	33
QYR/300/LD	3 x 400 ± 10 %	30	40	52 ÷ 65	500	700	200	33
QYR/370/LD	3 x 400 ± 10 %	37	50	62 ÷ 73	600	800	250	33
QYR/450/LD	3 x 400 ± 10 %	45	60	70 ÷ 80	600	800	250	33
QYR/550/LD	3 x 400 ± 10 %	55	75	80 ÷ 108	600	900	250	38

* Note : P indicates floor mounted control panel

CB-QYR-en_g_te

Electrical panel for drainage pumps three-phase

QYR2 Series

APPLICATIONS

Protection and control of two three-phase drainage pumps with star-delta start.

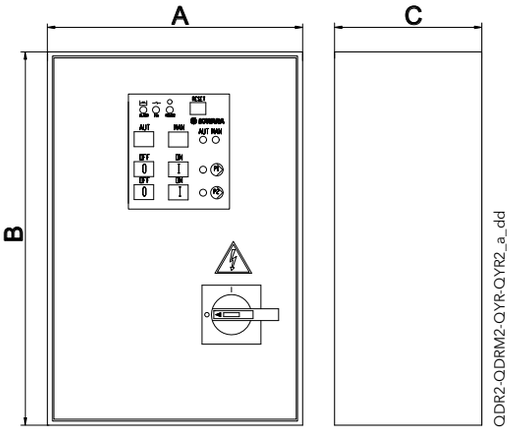


SPECIFICATIONS

- Automatic control through electromechanical floats.
- Power supply voltage: 3 x 400 V ±10%.
- Frequency: 50/60 Hz.
- Power: 3 to 55 kW.
- Star-delta motor start.
- Protection class: IP54.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted.
- Metal enclosure.
- Electronic board with power, thermal overload, high level alarm, pump start/stop indicator LEDs.
- Alarm silencing button.
- TS version equipped with stator thermal protection circuit.
- LD version equipped with oil chamber water sensor control circuit and stator thermal protection.

OPTIONAL ACCESSORIES

- Audible or visual signalling device, 12 VDC 0.3 A max (two connection terminals provided inside the electrical panel) for high-level alarm
- Signal relay board kit RILS20 (power, auto/man, start/stop, thermal overload, high level)



QYR2 SERIES PANELS
ELECTRIC DATA TABLE

MODEL	RATED VOLTAGE (V)	RATED POWER		RATED CURRENT (A)	DIMENSIONS (mm)			WEIGHT (kg)
		kW	HP		A	B	C	
QYR2/40	3 x 400 ± 10 %	3 ÷ 4	4 ÷ 5,5	6,3 ÷ 10	500	700	200	55
QYR2/75	3 x 400 ± 10 %	5,5 ÷ 7,5	7,5 ÷ 10	10 ÷ 16	500	700	200	55
QYR2/92	3 x 400 ± 10 %	9,2	12,5	16 ÷ 20	500	700	200	55
QYR2/110	3 x 400 ± 10 %	11	15	20 ÷ 25	500	700	200	55
QYR2/150	3 x 400 ± 10 %	15	20	25 ÷ 32	600	800	250	68
QYR2/185	3 x 400 ± 10 %	18,5	25	30 ÷ 42	600	800	250	68
QYR2/220	3 x 400 ± 10 %	22	30	40 ÷ 54	600	900	250	75
QYR2/300	3 x 400 ± 10 %	30	40	52 ÷ 65	600	900	250	75
QYR2/370	3 x 400 ± 10 %	37	50	62 ÷ 73	600	900	250	75
QYR2/450	3 x 400 ± 10 %	45	60	70 ÷ 80	600	900	250	75
QYR2/550	3 x 400 ± 10 %	55	75	80 ÷ 108	800p*	1700p*	300p*	125
QYR2/22/TS	3 x 400 ± 10 %	2,2	3	4 ÷ 6,3	500	700	200	55
QYR2/40/TS	3 x 400 ± 10 %	3 ÷ 4	4 ÷ 5,5	6,3 ÷ 10	500	700	200	55
QYR2/75/TS	3 x 400 ± 10 %	5,5 ÷ 7,5	7,5 ÷ 10	10 ÷ 16	500	700	200	55
QYR2/92/TS	3 x 400 ± 10 %	9,2	12,5	16 ÷ 20	500	700	200	55
QYR2/110/TS	3 x 400 ± 10 %	11	15	20 ÷ 25	500	700	200	55
QYR2/150/TS	3 x 400 ± 10 %	15	20	25 ÷ 32	600	800	250	68
QYR2/185/TS	3 x 400 ± 10 %	18,5	25	30 ÷ 42	600	800	250	68
QYR2/220/TS	3 x 400 ± 10 %	22	30	40 ÷ 54	600	900	250	75
QYR2/300/TS	3 x 400 ± 10 %	30	40	52 ÷ 65	600	900	250	75
QYR2/370/TS	3 x 400 ± 10 %	37	50	62 ÷ 73	600	900	250	75
QYR2/450/TS	3 x 400 ± 10 %	45	60	70 ÷ 80	600	900	250	75
QYR2/550/TS	3 x 400 ± 10 %	55	75	80 ÷ 108	800p*	1700p*	300p*	125
QYR2/40/LD	3 x 400 ± 10 %	3 ÷ 4	4 ÷ 5,5	6,3 ÷ 10	500	700	200	55
QYR2/75/LD	3 x 400 ± 10 %	5,5 ÷7,5	7,5 ÷ 10	10 ÷ 16	500	700	200	55
QYR2/92/LD	3 x 400 ± 10 %	9,2	12,5	16 ÷ 20	500	700	200	55
QYR2/110/LD	3 x 400 ± 10 %	11	15	20 ÷ 25	500	700	200	55
QYR2/150/LD	3 x 400 ± 10 %	15	20	25 ÷ 32	600	800	250	68
QYR2/185/LD	3 x 400 ± 10 %	18,5	25	30 ÷ 42	600	800	250	68
QYR2/220/LD	3 x 400 ± 10 %	22	30	40 ÷ 54	600	900	250	75
QYR2/300/LD	3 x 400 ± 10 %	30	40	52 ÷ 65	600	900	250	75
QYR2/370/LD	3 x 400 ± 10 %	37	50	62 ÷ 73	600	900	250	75
QYR2/450/LD	3 x 400 ± 10 %	45	60	70 ÷ 80	600	900	250	75
QYR2/550/LD	3 x 400 ± 10 %	55	75	80 ÷ 108	800p*	1700p*	300p*	125

* Note : P indicates floor mounted control panel.

CB-QYR2-en_d_te

Level Control Panel three-phase

QCL5 Series

APPLICATIONS

Accessory for electric pump control panels, suitable for tankfilling or drainage applications or for activation of audible or visual alarms.



SPECIFICATIONS

- Automatic control through probes.
- Supply voltage: 1 x 230 V ±10% or 1 x 24 V ±10%.
- Frequency: 50/60 Hz.
- Voltage to probes: 15 VAC at 0,5 mA max.
- Switch contact 48 VAC at 3 A max (250 W max).
- Protection class: IP55.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted.
- Plastic enclosure.
- Electrodes suitable for water at a maximum temperature of 40°C.
- Set of three electrodes included in the supply.

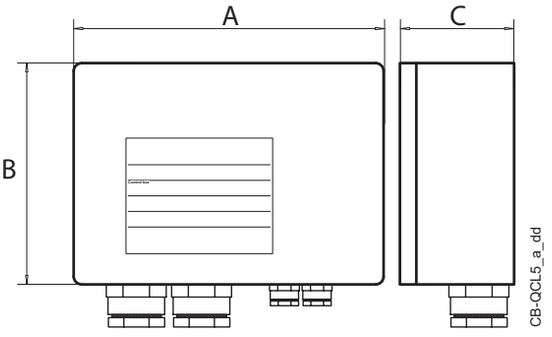
OPTIONAL ACCESSORIES

- Drop cable with circular cross section.

For the connection of the electrodes to the panel we recommend the following cross sections:
- Three-pole cables can be used for short lenghts.
- Otherwise we recommend the use of unipolar cables placed at suitable distance from each other to prevent the capacitive effect of the cabe from interfering with the proper operation of the electronic module.

LENGHT (m)		CABLE SECTION (mm²)
0	50	0,5
50	100	0,75
100	200	1,0
200	400	2,5

CB-CASEL-en_c_te



CB-QCL5_a_dd

MODEL	POWER SUPPLY VOLTAGE (v)	POWER SUPPLY FREQUENCY (Hz)	POWER (W)	CONTACT RANGE V	CONTACT RANGE A	DIMENSIONS (mm) A	DIMENSIONS (mm) B	DIMENSIONS (mm) C	WEIGHT (Kg)
QCL5/24	1 x 24	50/60	2	48	3	90	130	60	0,5
QCL5/230	1 x 230	50/60	2	48	3	90	130	60	0,5

CB-QCL5-en_c_te

Level Control Panel three-phase

QCL10 Series

APPLICATIONS

Accessory for electric pump control panels, suitable for tankfilling or drainage applications or for activation of audible or visual alarms.



SPECIFICATIONS

- Automatic control through probes.
- Supply voltage: 1 x 230 V ±10% or 1 x 24 V ±10%.
- Frequency: 50/60 Hz.
- Voltage to probes: 7,5 VAC at 0,4 mA max.
- Protection class: IP55.
- Ambient temperature: -5 to +40 °C (according to EN 61439-1).
- Maximum relative humidity: 50% at +40°C, provided that no condensation occurs (according to EN 61439-1).
- Wall mounted.
- Plastic enclosure.
- Electrodes suitable for water at a maximum temperature of 60°C.
- Set of three electrodes included inthe supply.

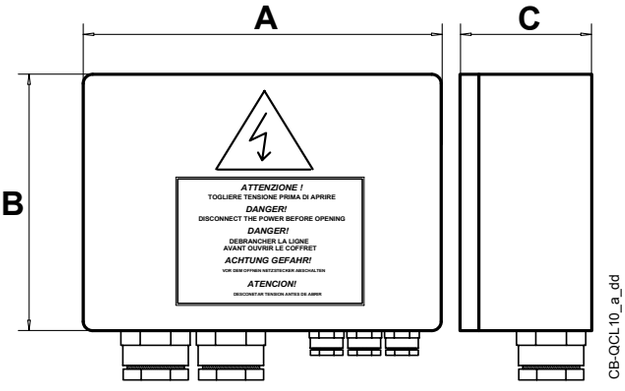
OPTIONAL ACCESSORIES

- Drop cable with circular cross section.

For connection of the electrodes to the panel we recommend the following cross sections:
- Three-pole cables can be used for short lenghts.
- Otherwise we recommend the use of unipolar cables placed at suitable distance from each other to prevent the capacitive effect of the cabe from interfering with the proper operation of the electronic module.

LENGHT (m)		CABLE SECTION (mm²)
0	50	0,5
50	100	0,75
100	200	1,0
200	400	2,5

CB-CASEL-en_c_te



MODEL	POWER SUPPLY MAIN (V)	POWER SUPPLY SECONDARY (V)	CONTACTOR RANGE (V)	CONTACTOR RANGE (A)	DIMENSIONS (mm) A	B	C	WEIGHT (Kg)
QCL10/24	1 x 230	1 x 24	230	9	170	170	130	1
QCL10/230	1 x 230	1 x 24	230	9	170	170	130	1

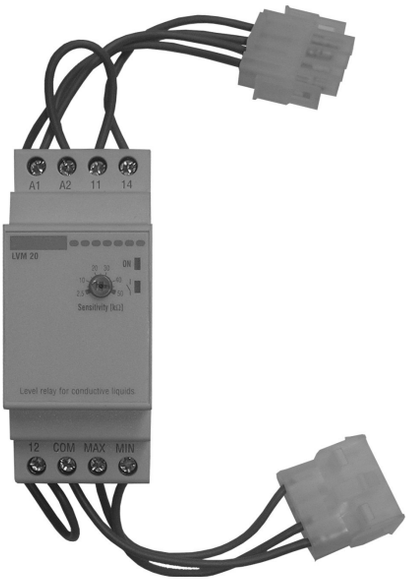
CB-QCL10-en_c_te

ACCESSORIES

Kit Level Probe

KSL-LVM Series

APPLICATIONS
Accessory for Lowara electric panels.



SPECIFICATIONS
- Electronic module for use of probes as protection against dry running.
- Supply voltage: 1 x 24 V ±10%.
- Frequency: 50/60 Hz.
- Absorbed power: 3,5 VA max.
- Voltage to probes: 7,5 VAC at 0,4 mA max.
- Switch contact 24 VAC at 5 A max (250 W max).
- Designed for installation on Lowara electric panels featuring DIN bar.
- Electrodes suitable for water at a maximum temperature of 60°C.

CONSTRUCTION CHARACTERISTICS
- Module made of plastic material with DIN bar attachment.
- KSL series with level relay and fast crimp connector.
  LVM series with level relay only
- Set of three electrodes included in the supply.
- Electrodes with nylon 6 body, stainless steel sensitive element brass washer and nitrile rubber seal.

OPTIONAL ACCESSORIES
- Drop cable with circular cross section.

For connection of the electrodes to the panel we recommend the following cross sections:
- Three-pole cables can be used for short lenghts.
- Otherwise we recommend the use of unipolar cables placed at suitable distance from each other to prevent the capacitive effect of the cabe from interfering with the proper operation of the electronic module.

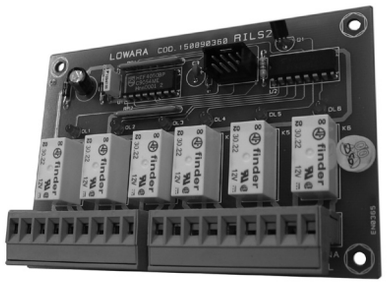
LENGHT (m)		CABLE SECTION (mm²)
0	50	0,5
50	100	0,75
100	200	1,0
200	400	2,5

CB-CASEL-en_c_te

Electronic board

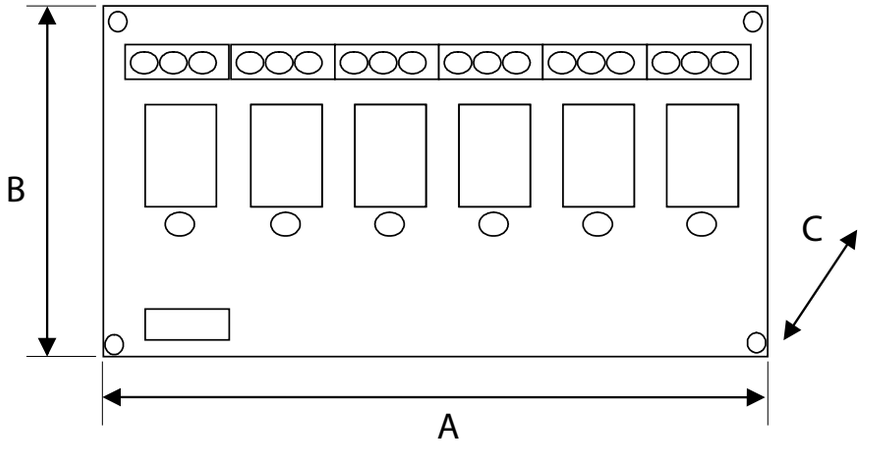
KIT RILS20 Series

APPLICATIONS
Accessory for Lowara electric panels.
(QYR, QDR2, QYR2).



SPECIFICATIONS
- 12 VDC power input from motherboard.
- Six low profile 12 VDC relays with 1A 230 Vac exchange contact.
- Indicator LED's available for each relay.
- Available signals:
  power-on, manual/automatic mode, pump 1 running, pump 2 running, thermal overload, level alarm.
- Assembly with board guides as well as 4 holes for flat-mounting on uprights.
- Customer-side output connections with removable clamp.

PRODUCT FEATURES
Complete electronic board providing clean system status contacts. Can be connected, via an 8-way serial cable with sealed plug, to boards SM20C, SDR20B (1000 mm long cable supplied). 1500 mm long cable available on request.



Maximun dimensions:

A=112 mm
B=80 mm
C=22 mm

Accessories kit Q-smart

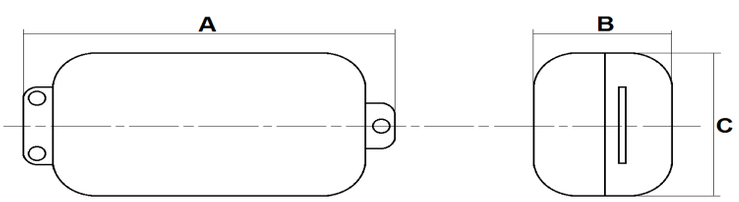
APPLICATIONS
Accessory for Lowara Q-smart electric panels.

MODBUS Q-SMART MODULE Series



SPECIFICATIONS
• Maximun dimensions: A=67 mm, B=24 mm, C=30 mm.

PRODUCT FEATURES
Interface to connect the Q-Smart to the devices for data recording and to the plant monitoring and supervision systems.

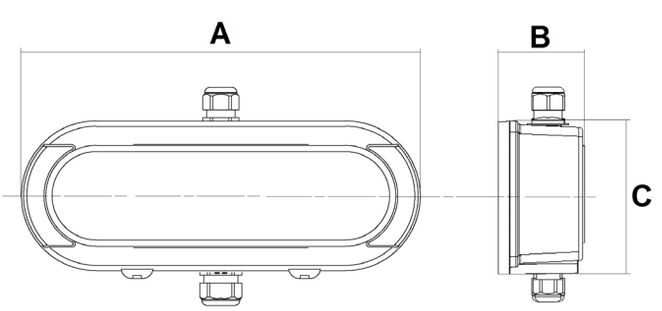


6CP Q-SMART MODULE Series

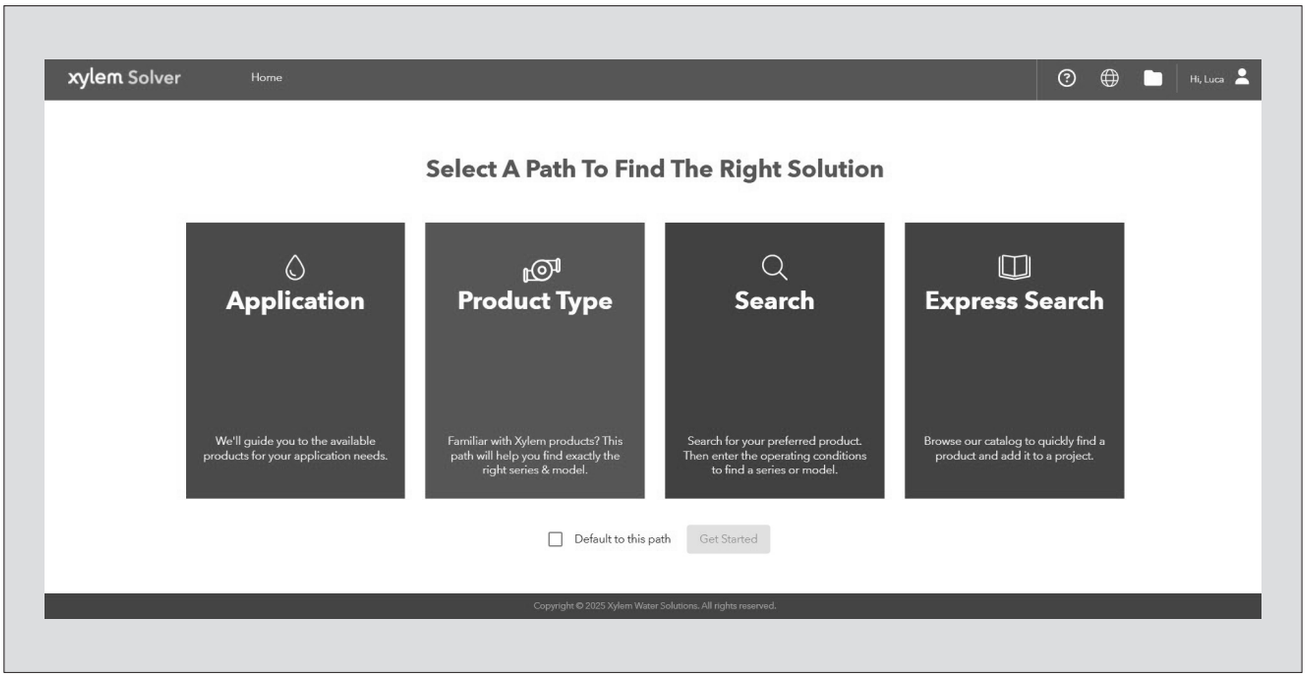


SPECIFICATIONS
• 12 VDC power input from motherboard.
• Six low profile 12 VDC relays with 1A 230 Vac exchange contact.
• Indicator LED's available for each relay.
• Signals available configurable directly from the Q-Smart
• Assembly with board guides.
• Maximun dimensions: A=240 mm, B=67 mm, C=90 mm.

PRODUCT FEATURES
Complete electric schedule to provide the free voltage contacts about the state of the system. Usable with RJ45 cable L=1000 mm included in the package).



FURTHER PRODUCT SELECTION AND DOCUMENTATION
Xylem Solver



Xylem Solver is pump solution selection software with an extensive online database of product information across the entire Xylem range of pumps and related products, with multiple search options and helpful project management facilities. The system holds up-to-date product information on thousands of products and accessories.

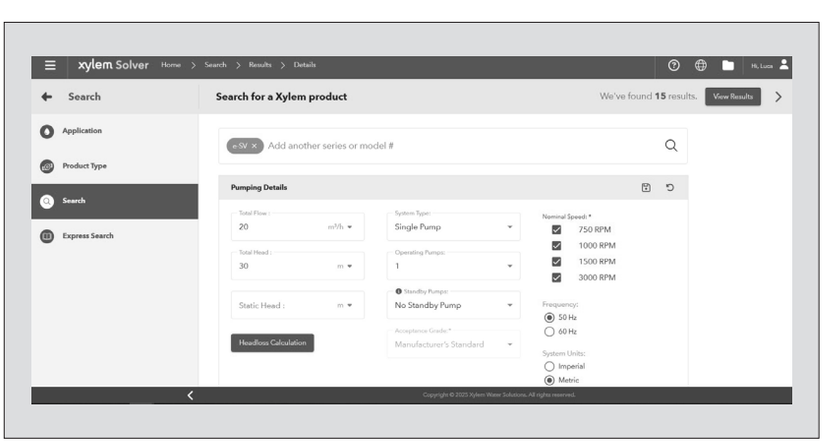
The possibility to search by applications and the detailed information output given makes it easy to make the optimal selection without having detailed knowledge about the Xylem products.

The search can be made by:

- Application
- Product type
- Duty point

Xylem Solver gives a detailed output:

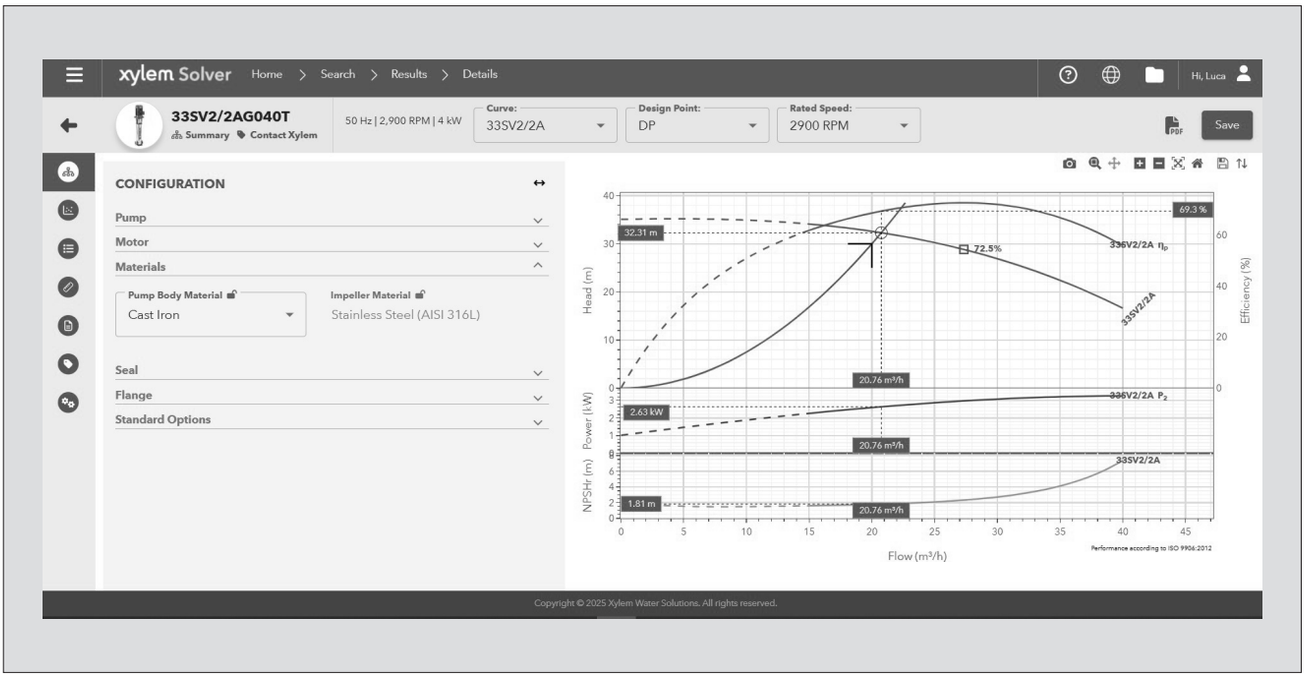
- List with search results in which you can compare up to four products
- Performance curves (flow, head, power, efficiency, NPSH)
- Motor data
- Dimensional drawings
- Options
- Data sheet printouts
- Document downloads incl dxf, stp and BIM files



Once a product series has been selected, input design criteria to select pumps that meet the design requirements.

TECHNICAL APPENDIX

FURTHER PRODUCT SELECTION AND DOCUMENTATION
Xylem Solver



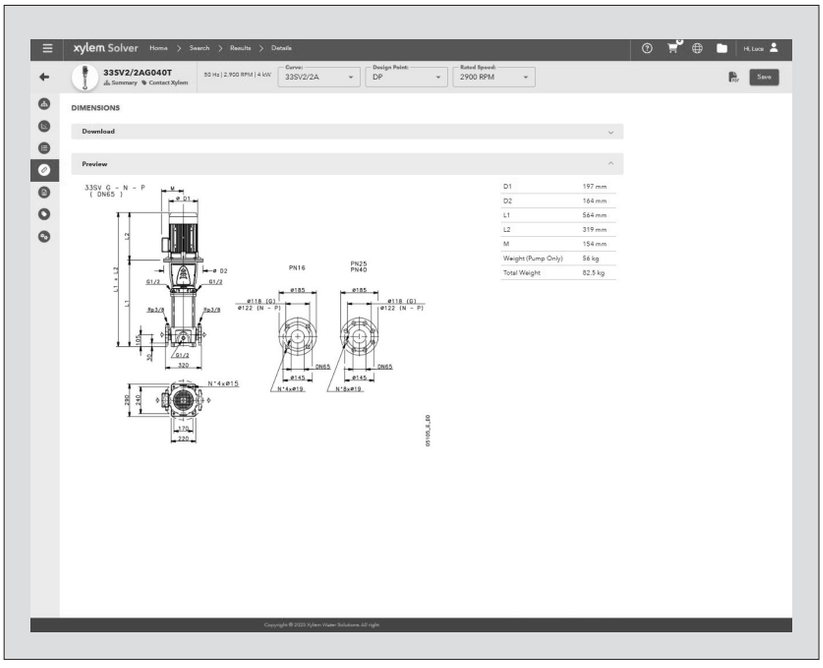
The detailed output makes it easy to select the optimal pump from the given alternatives.

The best way to work with Xylem Solver is to create a personal account. This makes it possible to:

- Set own standard units
- Create and save projects

Every registered user has a proper space, where all projects are saved.

For more information about Xylem Solver please contact our sales network or visit **https://solver.xylem.com.**



The dimensions tab shows technical drawings, dimensions, and CAD files when available.

Xylem |'zīləm|

1) the tissue in plants that brings water and nutrients upward from the roots.

2) a leading global water solutions company.

Xylem is the connective tissue and system in plants which cleanses and transports water from the root to where it is needed most to sustain life.

And this is the essence of Xylem as a company. We are committed to driving sustainable impact by ensuring our connected technologies and solutions support our customers and the communities they serve, to tackle the water challenges that matter most to them.

For more information on how Xylem can help you, visit xylem.com.

Xylem Service Italia Srl
Via Dottor Vittorio Lombardi 14
36075 - Montecchio Maggiore
(VI) - Italy

Tel. (+39) 0444 707111
Fax (+39) 0444 491043
www.xylem.com/it-it

Xylem Service Italia Srl reserves the right to make modification without prior notice.

© 2018-2026 Xylem Inc. or its affiliates. All rights reserved. Lowara is a trademark of Xylem or one of its subsidiaries.