

Electronic control panels

INVERTER IRIS BLUE 2 RANGE 3÷50HP

Inverter control panel + 1 fixed frequency starting with display

- Specific software for pumping and water management applications
- Alarms data logger
- Remote control



GENERAL SPECIFICATIONS

- Operating voltage 400Vac $\pm 10\%$ 50/60Hz
- General disconnecting switch with door lock
- N°2 selector switches for automatic -0- manual operation (stable)
- N°2 running Led lights
- Inverter alarm Led light
- Overload Led lights
- Auxiliary circuit protection fuse
- Transformer for auxiliary circuit
- Inverter protection fuse
- Motor protection fuse
- Inverter IRIS BLUE with front display
- N°2 direct startings (up to 20Hp)
- N°2 soft start startings with by-pass contacts (from 25Hp)
- Forced ventilation complete with filters
- Extraction tower (from 50Hp)
- Thermostat for fan
- Connection terminal board
- External metal box
- Protection degree IP54
- Operating temperature -5/+40°C

INPUTS / OUTPUTS

- Input 4-20mA
- Very low voltage input for external command

ADVANTAGES

- Double initial ramp
- Pipe filling control
- Fire mode (forced operation in case of alarm)
- Sleep/wake up mode (it prolongs the pump delay time to save energy)
- Safe Torque Off (function for the freewheel stop)
- Dry running with cosφ
- Loss of pressure control
- PID operation
- Adjustable acceleration and deceleration ramp by trimmer (from 25Hp on)
- Adjustable starting voltage by trimmer (from 25Hp on)

PROTECTIONS

- Maximum current protection for each motor with alarm
- Lack of phase protection with allarm
- Earth leakage protection with alarm

THREE-PHASE 400Vac ±10% / OUTPUT 3~400Vac 50/60Hz

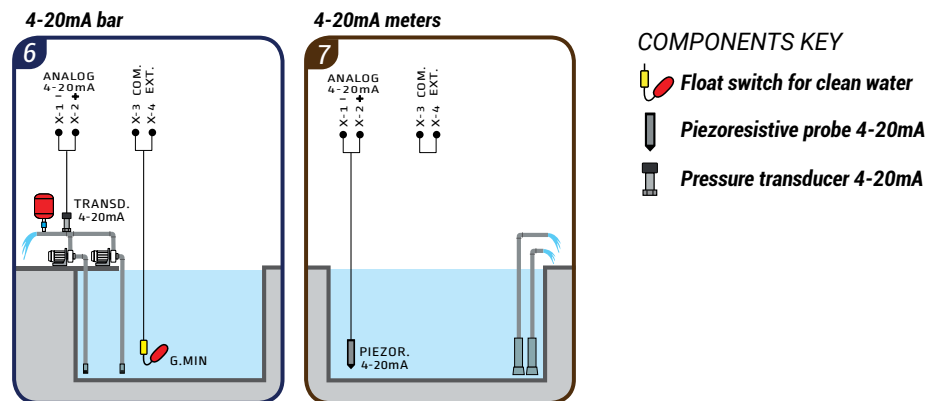
| CODE | TYPE | POWER | | MAX CURRENT [A] | DIMENSIONS mm | | | WEIGHT Kg | BOX |
|-------------|------------------------------|-------|-------|-----------------|---------------|-----|-----|-----------|-------|
| | | kW | Hp | | A-H | L-W | P-D | | |
| SQ717.00/01 | INVERTER IRIS BLUE 2 400 5,5 | 2,2÷4 | 3÷5,5 | 10,5 | 700 | 500 | 290 | 33 | 71 |
| SQ717.02 | INVERTER IRIS BLUE 2 400 7,5 | 5,5 | 7,5 | 12,5 | 700 | 500 | 290 | 33 | 71 |
| SQ717.03 | INVERTER IRIS BLUE 2 400 10 | 7,5 | 10 | 16,5 | 700 | 500 | 290 | 33 | 71 |
| SQ717.04/05 | INVERTER IRIS BLUE 2 400 20 | 11÷15 | 15÷20 | 30 | 800 | 600 | 290 | 46 | 80 |
| SQ717.06 | INVERTER IRIS BLUE 2 400 25 | 18,5 | 25 | 41 | 800 | 600 | 290 | 48 | 80 |
| SQ717.07 | INVERTER IRIS BLUE 2 400 30 | 22 | 30 | 57 | 1000 | 600 | 370 | 71 | 101 |
| SQ717.08 | INVERTER IRIS BLUE 2 400 40 | 30 | 40 | 60 | 1000 | 600 | 370 | 72 | 101 |
| SQ717.09 | INVERTER IRIS BLUE 2 400 50 | 37 | 50 | 80 | 1350 | 800 | 470 | 97 | 123 T |

N.B.: When ordering, check the power and the rated current of the motor

OPTIONALS

| CODE | TYPE |
|--------------------|---|
| OP100.29/KIT | GPRS 24Vac DIN board with 2m serial cable |
| OP100.39/KIT | Ethernet 24Vac DIN board with 2m serial cable |
| OP331.230 | Wired LEVEL 230Vac control relay |
| OP100.01 | 3 level probes kit |
| OP100.02/3 | Potentiometer to adjust the frequency |
| OP200.01 | 24Vac alarm output and pure contact |
| OP100.05/1 | Wired three-phase surge arrester type 2 |
| OP100.22/05 | Wired three-phase inductance DV/DT 5,25A with cooling fan |
| OP100.22/08 | Wired three-phase inductance DV/DT 8,4A with cooling fan |
| OP100.22/11 | Wired three-phase inductance DV/DT 11A with cooling fan |
| OP100.22/17 | Wired three-phase inductance DV/DT 17A with cooling fan |
| OP100.22/32 | Wired three-phase inductance DV/DT 32A with cooling fan |
| OP100.22/45 | Wired three-phase inductance DV/DT 45A with cooling fan |
| OP100.22/68 | Wired three-phase inductance DV/DT 68A with cooling fan |
| OP100.21/92 | Wired three-phase inductance DV/DT 92A |
| OP200.42 | Wired passive galvanic isolator 0÷20mA / 0÷20mA |
| AC300.10.10-004.00 | Pressure transducer 0-10bar 4-20mA with connector and 4m FRAF cable |
| AC300.10.16-004.00 | Pressure transducer 0-16bar 4-20mA with connector and 4m FRAF cable |
| AC300.10.25-004.00 | Pressure transducer 0-25bar 4-20mA with connector and 4m FRAF cable |
| AC300.20.01-005.31 | Piezoresistive probe 4-20mA with 5m cable |
| AC300.20.01-010.31 | Piezoresistive probe 4-20mA with 10m cable |
| AC300.20.02-010.31 | Piezoresistive probe 4-20mA with 10m cable for sewage |

For more optionals see page 78



The addition of some optionals can imply changes on the size of the control panel. For further details please contact our technical/commercial department.