

## Electronic control panels

# INVERTER IRIS BLUE 3 RANGE 3÷50HP

**Inverter control panel + 2 fixed frequencies startings 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°3 selector switches for automatic -0- manual operation (stable)
- N°3 running Led lights
- Inverter alarm Led light
- N°2 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  $\cos\phi$
- 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 alarm
- Earth leakage protection with alarm

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

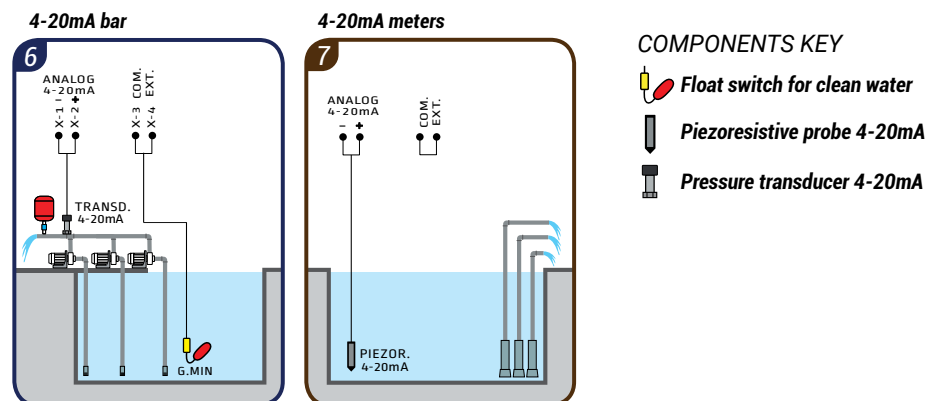
CODE	TYPE	POWER		MAX CURRENT [A]	DIMENSIONS mm			WEIGHT Kg	BOX
		kW	Hp		A-H	L-W	P-D		
SQ727.00/01	INVERTER IRIS BLUE 3 400 5,5	2,2÷4	3÷5,5	10,5	800	600	290	37	80
SQ727.02	INVERTER IRIS BLUE 3 400 7,5	5,5	7,5	12,5	800	600	290	37	80
SQ727.03	INVERTER IRIS BLUE 3 400 10	7,5	10	16,5	800	600	290	37	80
SQ727.04/05	INVERTER IRIS BLUE 3 400 20	11÷15	15÷20	30	1000	600	370	66	101
SQ727.06	INVERTER IRIS BLUE 3 400 25	18,5	25	41	1000	600	370	68	101
SQ727.07	INVERTER IRIS BLUE 3 400 30	22	30	57	1200	800	370	76	122
SQ727.08	INVERTER IRIS BLUE 3 400 40	30	40	60	1200	800	370	78	122
SQ727.09	INVERTER IRIS BLUE 3 400 50	37	50	80	1350	800	470	100	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.