

Electronic control panels

INVERTER IRIS BLUE 1 RANGE 3÷220HP

Inverter starting control panel 1 motor 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
- Selector switch for automatic -0- manual operation (stable)
- Running Led light
- Inverter alarm Led light
- Auxiliary circuit protection fuse
- Transformer for auxiliary circuit
- Inverter protection fuse
- Inverter IRIS BLUE with front display
- 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

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 ϕ
- Loss of pressure control
- PID operation

INPUTS / OUTPUTS

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

PROTECTIONS

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

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

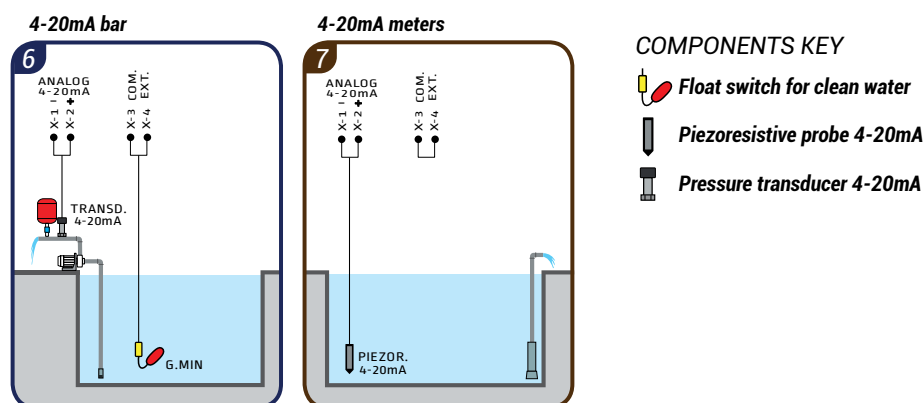
CODE	TYPE	POWER		MAX CURRENT [A]	DIMENSIONS mm			WEIGHT Kg	BOX
		kW	Hp		A-H	L-W	P-D		
SQ707.00/01	INVERTER IRIS BLUE 1 400 5,5	2,2÷4	3÷5,5	10,5	600	400	280	24	61
SQ707.02	INVERTER IRIS BLUE 1 400 7,5	5,5	7,5	12,5	600	400	280	24	61
SQ707.03	INVERTER IRIS BLUE 1 400 10	7,5	10	16,5	600	400	280	24	61
SQ707.04/05	INVERTER IRIS BLUE 1 400 20	11÷15	15÷20	30	800	600	290	42	80
SQ707.06	INVERTER IRIS BLUE 1 400 25	18,5	25	41	800	600	290	43	80
SQ707.07	INVERTER IRIS BLUE 1 400 30	22	30	57	800	600	290	43	80
SQ707.08	INVERTER IRIS BLUE 1 400 40	30	40	60	800	600	290	43	80
SQ707.09	INVERTER IRIS BLUE 1 400 50	37	50	80	1150	800	430	92	104 T
SQ707.10	INVERTER IRIS BLUE 1 400 60	45	60	88	1350	800	470	106	123 T
SQ707.11	INVERTER IRIS BLUE 1 400 75	55	75	120	1350	800	470	111	123 T
SQ707.12	INVERTER IRIS BLUE 1 400 100	75	100	145	1350	800	470	115	123 T
SQ707.13	INVERTER IRIS BLUE 1 400 125	92	125	195	1950	800	670	191	187 T
SQ707.14	INVERTER IRIS BLUE 1 400 150	110	150	215	1950	800	670	201	187 T
SQ707.15	INVERTER IRIS BLUE 1 400 180	132	180	240	1950	800	670	211	187 T
SQ707.16	INVERTER IRIS BLUE 1 400 220	160	220	300	1950	800	670	266	187 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
OP100.02/7	Wired selector switch 0-1 (set-point)
OP100.17/024	Wired 24Vac relay complete with socket (set-point)
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
OP100.21/145	Wired three-phase inductance DV/DT 145A
OP100.21/252	Wired three-phase inductance DV/DT 252A
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
AC300.20.02-010.20	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.