



**INVENTA TEK UE
CONTROL PANEL**

PUMP+TECH



In collaboration with



Since 1990 Sea-Land is committed to study, realize, industrialize and produce electric pumps. All our products are entirely made in Padova - Italy , the world's leading electric pumps manufacturers area. Sea-Land offers solutions for irrigation, industrial plants, domestic and civil use, with pumps capacity ranging from 2 m³/h to 1800 m³/h.

WHY IS OUR CONTROL PANEL MANDATORY?

We guarantee the performances indicated only with the use of the ABB IE 5 motor combined with our electrical panel INVENTA TEK UE.

The motor is always combined with a control panel necessary for:

- actuation/operation (motor start)
- frequency and variation control (inverter).

The inverter allows you to increase efficiency compared to the traditional asynchronous motor.

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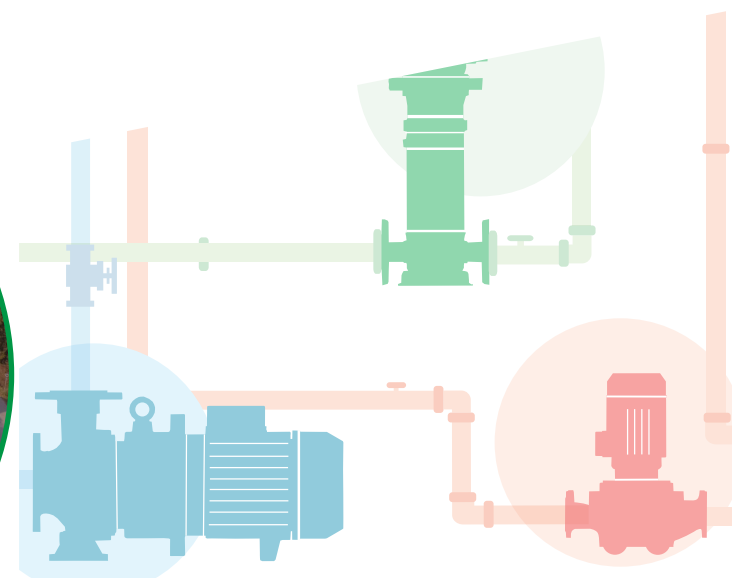
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IE 5

U L T R A
P R E M I U M
E F F I C I E N C Y





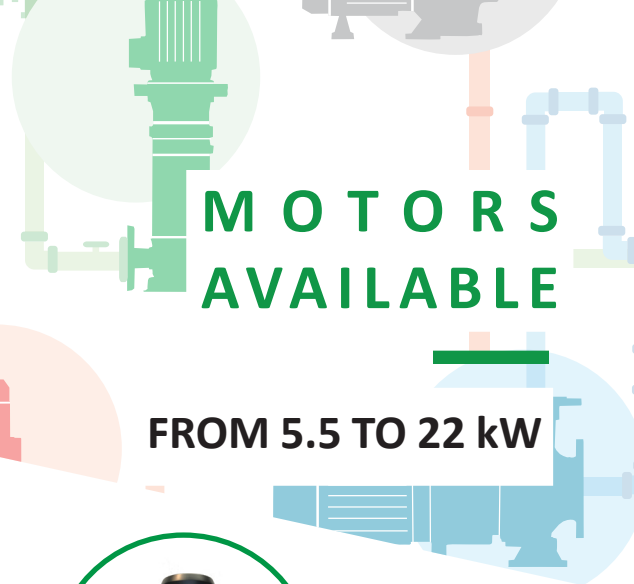
IE5 BENEFITS

- Efficiency increased up to 5% compared to traditional asynchronous motor;
- Offer up to 50% less energy loss and significantly lower energy consumption than traditional IE2 motors.
- Efficiency increased during the restarts thanks to the speed/inverter regulation;
- Accurate control of speed and engine torque;
- Environmental sustainability due to the absence of “rare-earth metals” use;
- No direct start therefore no power losses during the start (DOL);
- “Robust” components;
- Low operating temperature therefore longer life especially for bearings;
- Low running noise, therefore better working environment conditions;
- Perfect for retrofit;
- Easier maintenance due to the absence of magnet.

Sea-Land offers a new range of electric pumps equipped with **IE5 motors** that besides **respecting the environment**, guarantee **maximum performance** and **maximum efficiency**.

IE5 motors have **efficiencies above 92%** and they are **much more performing than traditional asynchronous motors**.

Output KW	IE5 Motor efficiency with supply VSD	IE3 Motor efficiency with supply VSD	IE1 Motor efficiency
5.5	92.8	87.8	84.7
7.5	93.1	88.8	86
11	94	90	87.6
15	94.1	90.8	88.7
18.5	94.6	91.4	89.3
22	94.8	91.7	89.9



MOTORS AVAILABLE

FROM 5.5 TO 22 kW



ILP 2 POLES



MVX



CNG 2 & 4 POLES



BSN 2 & 4 POLES