

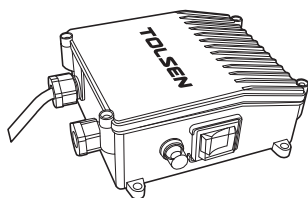
# TOLSEN **FX** FORCE XPRESS

## 79961/79962/79963/79964 DEEP WELL PUMP

INSTRUCTION MANUAL

220-240V~50Hz

「INDUSTRIAL」



SAVE THIS MANUAL !

You will need this manual for safety instructions, operating procedures and warranty.  
Put it and the original sales receipt in a safe dry place for future reference.

## IMPORTANT SAFETY INFORMATION

### CAUTION! Before starting operation, remember that

The electrical connection is made in a socket with earth contact and voltage of 230V~50Hz. Minimum protection: 16 amperes.

### ATTENTION! ( for your own safety)

Before starting operation of your new submerged pump, have a technician check operating efficiency as follows:--The electrical connections must be protected from dampness. --When there is danger of flooding, move the connections to a protected place. --The submerged pump must be protected from frost. --Adequate measures must be taken to keep children away from the pump. --The pump must always work in the vertical position.

### Limitations of use

**WARNING:** The pump is not suitable for inflammable or explosive liquids!

**WARNING:** The pump is not suitable for garden or swimming pool tanks.

**NOTE:** Maximum immersion depth: 50 m--Maximum temperature of pumped liquid: 35°C Maximum quantity of sand in the water: 40gr/hl

### Installation

**CAUTION** Never allow the pump to operate dry!!! This means that the level of liquid to be pumped must never go below the level of the holes on the bottom of the stainless steel intake filter. **NOTE** It a plastic delivery pipe is being used. It is advisable to use a steel or nylon rope to hook the pump when you need to remove the pump from the well or place it in the well. Before situating the pump, make sure that the well is free of sand, straight, and that it has sufficient width to guarantee passage of the pump.

### Electrical connection

It is the responsibility of the installer to ensure that the earth system of the mains is made according to the safety regulations. In compliance with safety regulations, the pump motor is equipped with an earth

conductor (yellow/green wire) of the same length as the piece of supply cable for motor! **WARNING** Make the earth connection before carrying out any other operation! Single-phase version: Single-phase motors must be supplied by our control boards containing condenser and amperometric protection. Three-phase version:

Three-phase motors are set for voltage of 380-415V (220-240V on request) The pump must be hooked up to the three-phase supply line using a suitable control board.

Each time that the pump with three-phase motor is hooked up to a different supply line, there are equal possibilities that the pump rotates in one direction or the other. Rotation in the wrong direction causes a noticeable reduction in capacity and prevalence. The correct rotation direction is that relative to the position of the phases in which the pump supplies the greatest capacity and prevalence.

## TECHNICAL DATA

Model	Power	Voltage	Rate Flow m <sup>3</sup> /hour	Max Flow m <sup>3</sup> /hour	Rate Head	Max Head	Impeller No.	Outlet size
79961	0.5 HP	50Hz&220-240V	2	4	45	51.5	8	1.25"
79962	0.75HP	50Hz&220-240V	2	4	59	73	11	1.25"
79963	1.0HP	50Hz&220-240V	2	4	78.5	91.5	14	1.25"
79964	1.5HP	50Hz&220-240V	2	4	113	132	20	1.25"

1. Power switch
2. Auto-control box
3. Delivery tube
4. Valve
5. Lined plate
6. Static level
7. Upper pole
8. Cable
9. Well bore-hole
10. Stir level
11. Middle pole
12. Pump body
13. Lower pole
14. Submersible motor

## TROUBLESHOOTING

problem	cause	remedy
The pump does not deliver: THE MOTOR DOES NOT START	no electricity	
	Plug not inserted correctly	
	Automatic switch tripped	
	Fuses burnt out(three-phase pump)	
	Overload protection tripped	Automatically resets after the motor has cooled(single-phase version)
	Amperometric protection tripped	The micro-circuit breaker resets automatically.
<p>The pump does not deliver. THE MOTOR STARTS</p> <p>THE PUMP DELIVERS IN REDUCED CAPACITY</p> <p>THE PUMP STOPS AFTER BRIEF PERIODS OF OPERATION The incorporate overload switch is tripped</p>	Intake flange obstructed	
	Delivery pipe clogged	
	Check valve jammed	
	Water level too low	
	Intake flange partially obstructed	Check rotation direction
	Clogging in delivery pipes	
	Incorrect rotation direction	
	Foreign bodies prevent the	
	pump from rotating freely	
	Liquid temperature too high	
	internal defect	

## MAINTENANCE

The submerged pump is high-quality product and does not require maintenance. After long periods of pump inactivity, we recommend that you make a general check before beginning operation again.

**CAUTION!** Before carrying out any maintenance operation, remove the plug from the mains.

# CE DECLARATION OF CONFORMITY

WE  
SUZHOU TOLSEN TOOLS CO.,LTD.  
198 HUASHAN ROAD, ZHANGJIAGANG,  
JIANGSU, CHINA

Declare that the product  
79961/79962/79963/79964 DEEP WELL PUMP

Complies with the essential health and safety requirements of the following

Directives:  
Directive 2006/42/EC

Standards and technical specifications referred to:  
EN 60335-2-41:2003/A2:2010  
EN 60335-1:2012/A13:2017  
EN 62233:2008

The products fulfil the requirements of EN 60335-2-41:2003+A1:2004+A2:2010  
used in conjunction with EN 60335-1:2012+A11:2014+A13:2017The products  
fulfil the requirements of EN 62233:2008.

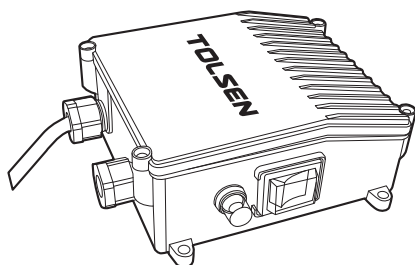
IEC 60335-2-41:2002 (Third Edition) + A1:2004 + A2:2009 IEC 60335-1:2010  
(Fifth Edition)

Authorised Signatory and technical file holder

Signed for and on behalf of:  
SUZHOU TOLSEN TOOLS CO.,LTD.  
198 HUASHAN ROAD, ZHANGJIAGANG,  
JIANGSU, CHINA  
ZHANG XING YU  
Group Quality Director

on:26/05/2020





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TOOLS CO.,LTD.**

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MADE IN CHINA



SCAN TO VISIT  
PRODUCT LINK

