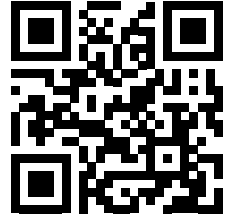


Series e-80SCXL

THE MANUAL IS AVAILABLE AT:
<https://qr.xylemsales.com/i8w2sb>



For safety and correct product usage, read the manual before this product is used.

1 Introduction

NOTICE:



Read the installation, operation and maintenance instructions located on the Xylem website before use. Improper use of the product can cause personal injury and damage to property and may void the warranty. See e-80SCXL Instruction Manual for complete Product Warranty.



WARNING:

Always disconnect and lock out power to the driver before you perform any installation or maintenance tasks. Failure to disconnect and lock out driver power will result in serious physical injury.



WARNING:

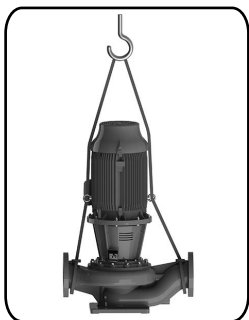
Personal protective equipment should be worn when handling this equipment. Only use properly sized certified lifting equipment & lifting devices, including slings, suitably rated for the weights to be lifted. Slings, when used, must be of identical materials to avoid differences in stretch rates. Do not use lifting devices that are frayed, kinked, unmarked, or worn.



WARNING:

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov.

2 Pump Lifting

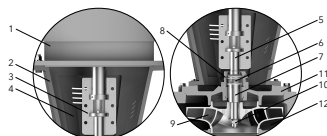
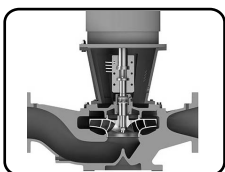


WARNING:

- Assembled units and their components are heavy. Failure to properly lift and support this equipment can result in serious physical injury and/or equipment damage. Lift equipment only at the specifically identified lifting points. Lifting devices such as eyebolts, slings, and spreaders must be rated, selected, and used for the entire load being lifted.
- Crush hazard. The unit and the components can be heavy. Use proper lifting methods and wear steel-toed shoes at all times.

- In order to lift the entire pump, use slings placed around the unit as shown.

3 Assembly Parts



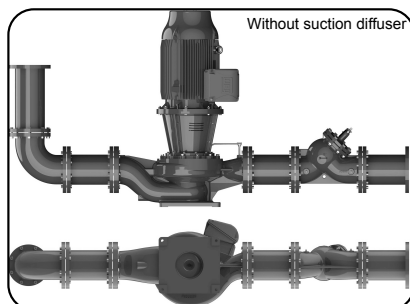
- Motor
- Motor bracket
- Coupling
- Coupling guard
- Shaft
- Seal assembly

- Bearing
- Seal gland
- Impeller
- Impeller nut
- Volute cover
- Volute



For safety and correct product usage, read the manual before this product is used.

4 Piping requirements



Without suction diffuser

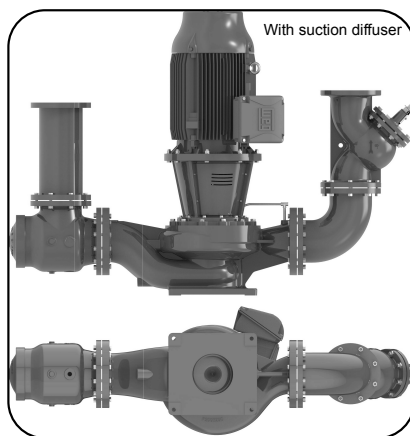


WARNING:

- The heating of water and other fluids causes volumetric expansion. The associated forces can cause the failure of system components and the release of high temperature fluids. In order to prevent this, install properly sized and located compression tanks and pressure-relief valves. Failure to follow these instructions can result in serious personal injury or death, or property damage.
- To avoid serious personal injury and property damage. Make sure that the flange bolts are adequately torqued.

NOTICE:

Never force piping to make a connection with a pump.



With suction diffuser

Check:

- Check that the pump is not supported by placing hangers or floor supports on the motor.
- Check that a section of straight pipe, with a length that is five times its diameter, is installed between the suction side of the pump and the first elbow, or that a B&G Suction Diffuser is installed.
- Check that the suction and discharge pipes are supported independently by use of pipe hangers near the pump.
- Check that there is a strong, rigid support for the suction and discharge lines.
- For pumps with flanges, check that the bolt holes in the pump flanges match the bolt holes in the pipe flanges.
- Check that the suction or discharge lines are not forced into position.
- Check that fittings for absorbing expansion are installed in the system when considerable temperature changes are expected.
- Check that you have a foot valve of equal or greater area than the pump suction piping when you use in an open system with a suction lift.
- Check that a B&G Triple Duty® valve is installed in the discharge line.
- Check that the pipeline has isolation valves around the pump and has a drain valve in the suction pipe.
- Use PTFE tape sealer or a high-quality thread sealant when you install the suction and discharge connections to a threaded pump housing.
- On an open system, check that the end of the suction pipe is at least 3 ft. below the surface of the water in the suction well.
- Check that new flange gaskets are installed between the flanges of the pump body end suction and discharge pipes. Make sure that these gaskets are clean and grease-free.

5 Preparation for startup

You must follow these precautions before you start the pump:

- Flush and clear the system thoroughly to remove dirt or debris in the pipe system in order to prevent premature failure at initial startup.
- Run a new or rebuilt pump at a speed that provides enough flow to flush and cool the close-running surfaces of the stuffing box bushing.
- If temperature of the pumped fluid will exceed 200°F (93°C), then warm up the pump prior to operation. Circulate a small amount of fluid through the pump until the casing temperature is within 100°F (38°C) of the fluid temperature.



WARNING:

- Operating the pump in reverse rotation can result in the contact of metal parts, heat generation, and breach of containment.
- Always disconnect and lock out power to the driver before you perform any installation or maintenance tasks. Failure to disconnect and lock out driver power will result in serious physical injury.

Check Drive Rotation:

1. Unlock power to the driver.
2. Make sure that everyone is clear, and then jog the driver long enough to determine that the direction of rotation corresponds to the arrow on the pump.
3. Lock out power to the driver.