

# SELF-PRIMING CENTRIFUGAL SOLIDS HANDLING PUMP

Series: SH4-U

Suction: 4"

Discharge: 4"

Spherical solids handling: 3"



## SIZE

4" x 4", 125 lb

## LIQUID TEMPERATURE

160°F (71 °C)

## CASING

Cast iron ASTM A-48 class 30. Maximum operating pressure 86 psi (593 KPa).

## IMPELLER

**Design:** 2 vane, open.

**Material:** ductile iron no. 65-45-12

## SHAFT

Alloy steel no. 4140

## SHAFT SLEEVE

316 series stainless steel

## REPLACEABLE WEAR PLATE

Carbon steel no. 1015

## REMOVABLE COVER PLATE

Cast iron ASTM A-48 class 30, weight 30 lb.

## FLAP VALVE

Neoprene with steel reinforcing

## BEARING HOUSING

Cast iron ASTM A-48 class 30

## SEAL PLATE

Cast iron ASTM A-48 class 30

## BEARING - PUMP END

Open single ball, radial load.

## BEARING - DRIVE END

Open double ball, thrust load.

## SEAL CAVITY AND BEARING LUBRICATION

SAE no. 30 non detergent oil, pump includes oil level sight gauges.

## GASKETS

Buna-N, compressed synthetic fibers, PTFE, vegetable fiber, cork and rubber.

## O-RINGS

Buna-N

## HARDWARE

Standard plated steel

## PAINT

Air dry enamel, water based.

## PRESSURE RELIEF VALVE

Brass

## SEAL

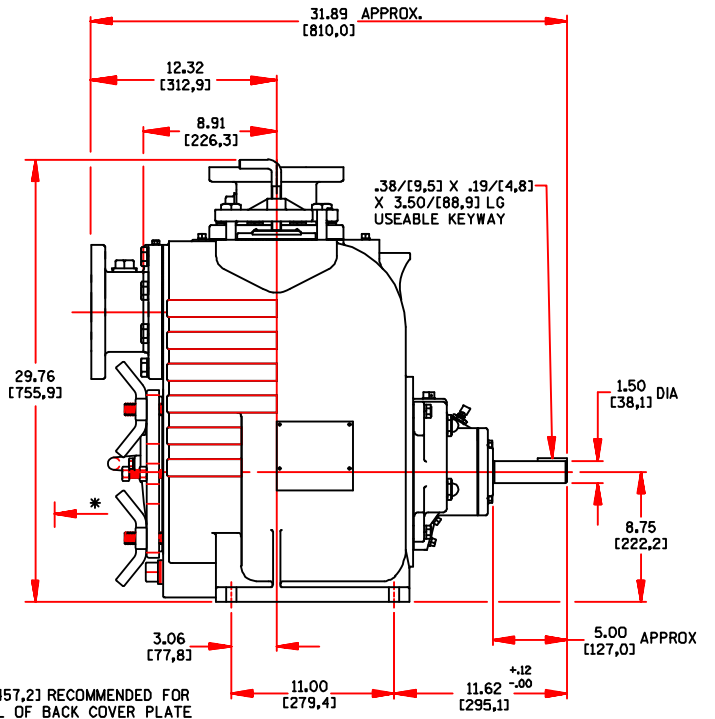
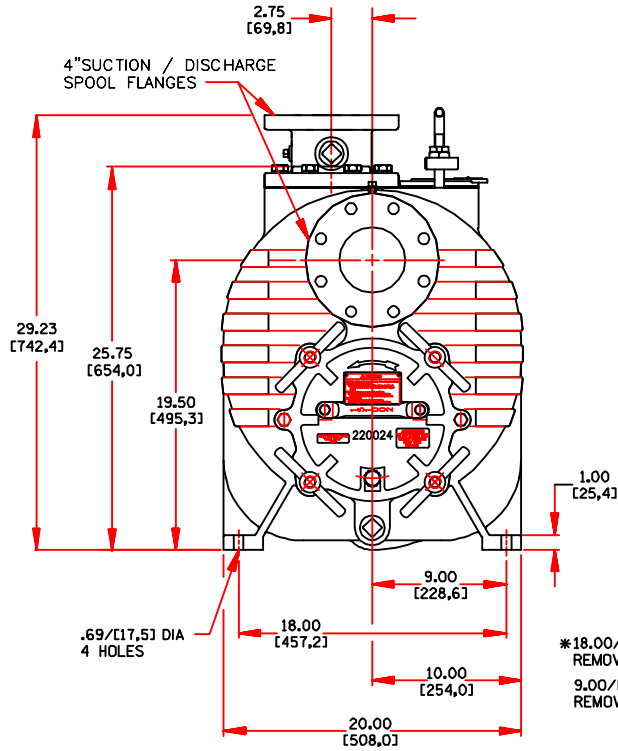
**Design:** type 21, mechanical, oil lubricated, double floating, self aligning.

**Material:** silicon carbide rotating and stationary faces, fluorocarbon elastomers (Viton® or equivalent). 316 stainless steel cage and spring.

## OPTIONAL EQUIPMENT

Flexible coupled assy, with base OSHA guard and electric motor.

DIMENSIONS: in[mm]



\*18.00/[457,2] RECOMMENDED FOR REMOVAL OF BACK COVER PLATE  
9.00/[228,6] REQUIRED FOR REMOVAL OF BACK COVER PLATE



**IMPORTANT! - Do not use in explosive atmosphere or for pumping volatile flammable liquids.**

# PERFORMANCE CURVE

## Self-Priming Centrifugal Solids Handling Pump Series: SH4-U

