

# S3WR

## Submersible wastewater vortex pumps

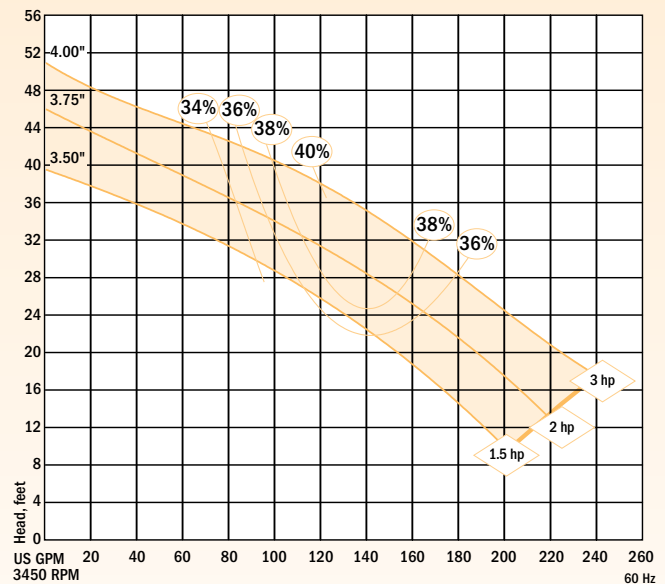
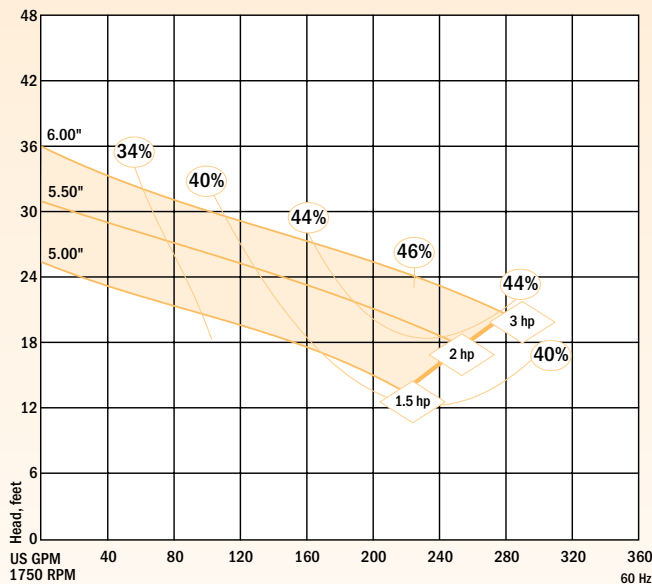
Typical Application	For use with residential raw sewage and light commercial applications
Capacities	up to 280 GPM (17.7 LPS)
Heads	up to 51 ft. (15.6 m)
Electrical	(1750 RPM) 1.5-3 HP, 1 $\phi$ , 208V/230V, 60Hz; 1.5-3 HP, 3 $\phi$ , 208V/230V/460V/575V, 60Hz; (3450 RPM) 1.5-3 HP, 1 $\phi$ , 208V/230V, 60Hz; 1.5-3 HP, 3 $\phi$ , 208V/230V/460V/575V, 60Hz
Motor	(1750 RPM) 1.5-3 HP, enclosed, oil cooled induction (3450 RPM) 1.5-3 HP, enclosed, oil cooled induction
Intermittent Liquid Temp.	140°F (60°C)
Minimum Recommended Sump Diameter	Duplex = 48" (1219.2 mm)
Operation	Control panel required
Materials of Construction	Class 30 cast iron; ASTM A48
Impeller	Ductile iron; Class 65; ASTM A536
Discharge Size	3" (76.2 mm) flanged horizontal
Solids Handling	(1750 RPM) 2.5" (63.5 mm) (3450 RPM) 2" (50.6 mm)
Power Cord	20'; type SJOW/SJOWA, SOOW



### Superior Features

- Recessed impeller design has completely open passage in volute
- Operates without vibration or cavitation over entire performance curve; operates near shutoff without harming pump.
- Recessed impeller greatly increases bearing life by reducing radial load
- Oil-filled motor for maximum heat dissipation and constant bearing lubrication
- Heat sensor thermostats embedded in windings protect motor from overheat conditions
- Seal leak probes warn of moisture entry (dual seal only)

### Performance



# SOLIDS

