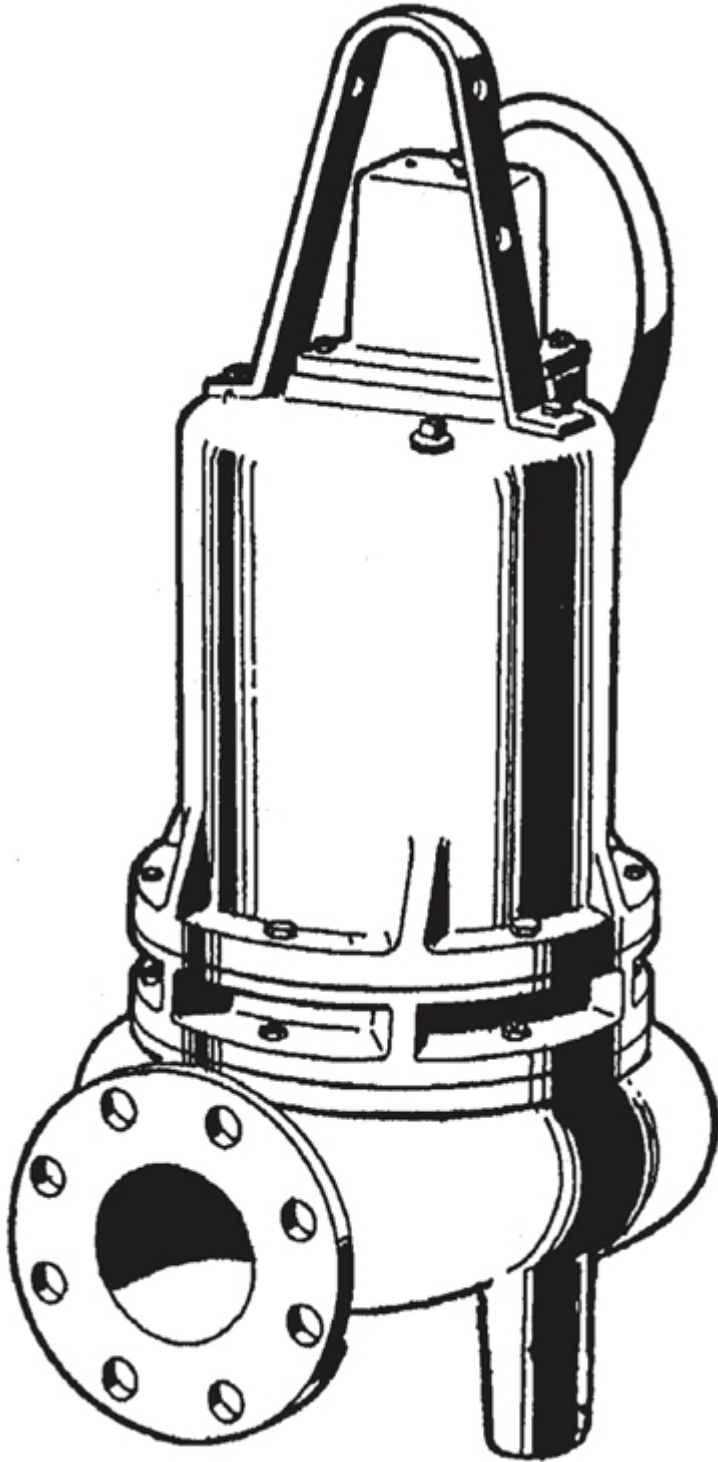


# 4SEV-DS – 15 HP

**3" Spherical Solids Handling - Vortex**

**BARNES®**



## Specifications

**DISCHARGE:** 4" 125lb., Horizontal flange

**SPEED:** 1750 RPM

**IMPELLER:**

- **Design:** Vortex, 8 vane with pump out vanes on back side, Dynamically balanced, ISO G6.3
- **Material:** Cast iron ASTM A-48, class 30

**CORD ENTRY:** 40 ft. (12.1 m) Cord. Epoxy sealed housing with secondary pressure grommet for sealing and strain relief

**MOTOR:**

- **Design:** NEMA L- single phase, NEMA B - three phase torque curve, oil filled, squirrel cage induction
- **Winding:** Class F, class H rated magnet wire
- **Service Factor:** 1.15

**SEAL:**

- **Design:** Double mechanical, oil filled pressure equalized reservoir
- **Material:** Carbon/Ceramic/Buna-N

**DIAPHRAGM:** Buna-N

**LIQUID TEMPERATURE:** 104°F (40°C) Continuous

**VOLUTE:** Cast iron ASTM A-48, class 30

**MOTOR HOUSING** Cast iron ASTM A-48, class 30

**SEAL PLATE:** Cast iron ASTM A-48, class 30

**SHAFT:** 416 Stainless steel

**SQUARE RINGS:** Buna-N

**HARDWARE:** 300 Series stainless steel

**PAINT:** Air dry enamel (epoxy optional)

**BEARINGS:**

**Upper Bearing:**

- Design: Single row, ball, oil lubricated
- Load: Radial

**Lower Bearing:**

- Design: Single row, ball, oil lubricated
- Load: Radial

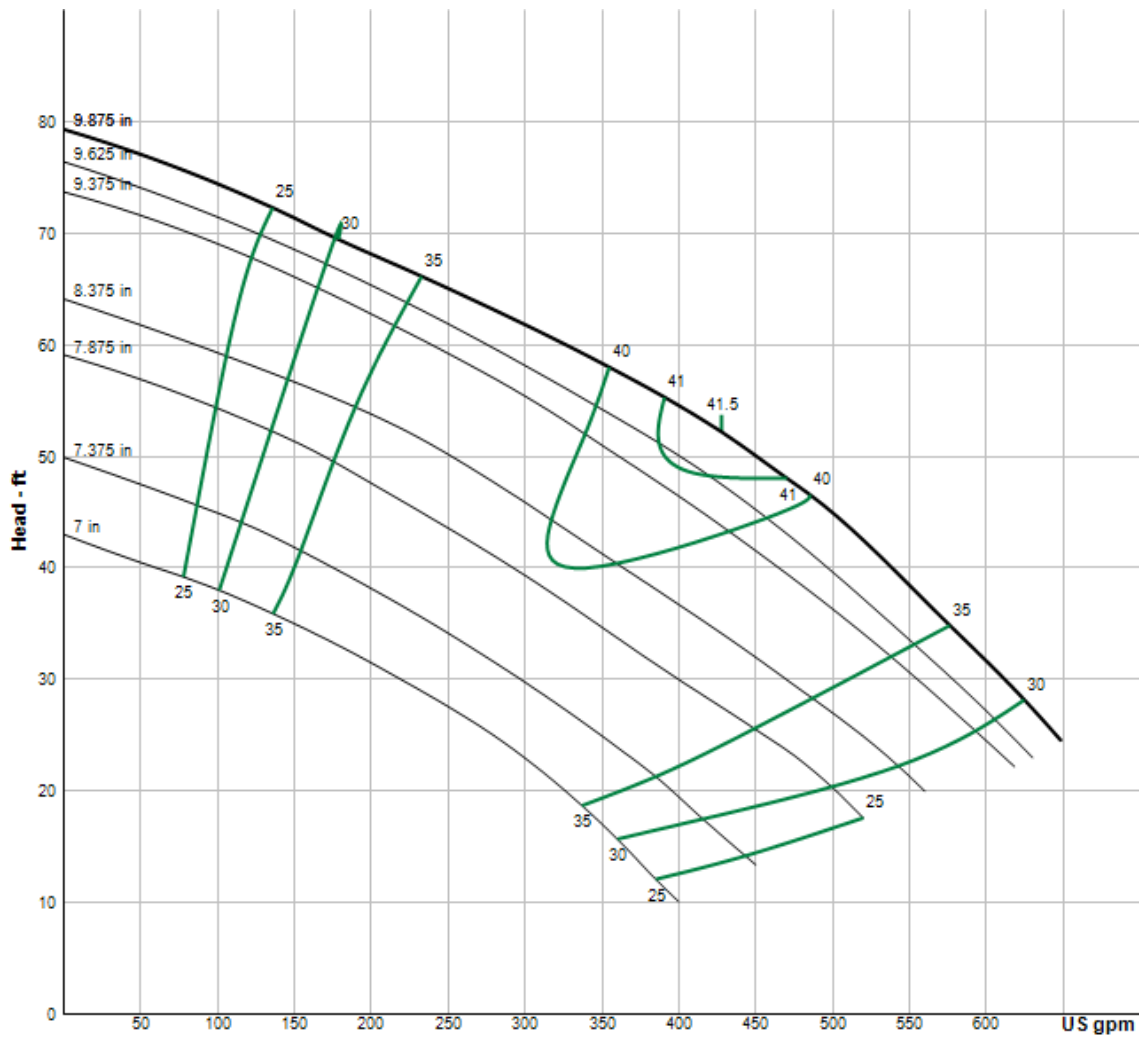
**SINGLE PHASE:** Capacitor start/capacitor run. Requires Barnes starter/panel which includes capacitors and overload protection

**THREE PHASE:** Dual voltage motor 230/460/575. Requires overload protection to be included in control panel, VFD suitable

**MOISTURE SENSOR:** Normally open (N/O), requires relay in control panel

**TEMPERATURE SENSOR:** Normally Closed (N/C), Requires relay in control panel. For three phase units ONLY

# Curves



Pump HP	Impeller Dia mm (in.)
4.5	178 (7.00)
7.5	187 (7.38)
11.3	213 (8.38)
15.0	251 (9.88)

## Model Information

<b>MODEL NO.</b>	<b>4SEV15034DS</b>	<b>4SEV15044DS</b>	<b>4SEV15054DS</b>
PART NO.	140240	140241	140242
HP	15	15	15
VOLT/PH	230/3	460/3	575/3
Hz	60	60	60
RPM (nom)	1750	1750	1750
NEMA START CODE	D	D	D
FULL LOAD AMPS	38	19	15.2
LOCKED ROTOR AMPS	160	80	64
CORD SIZE	6/4	6/4	8/4
CORD TYPE	SOW	SOW	SOW
CORD O.D INCH (mm)	1.06 (27)	1.06 (27)	0.830 (21)

Drawing

