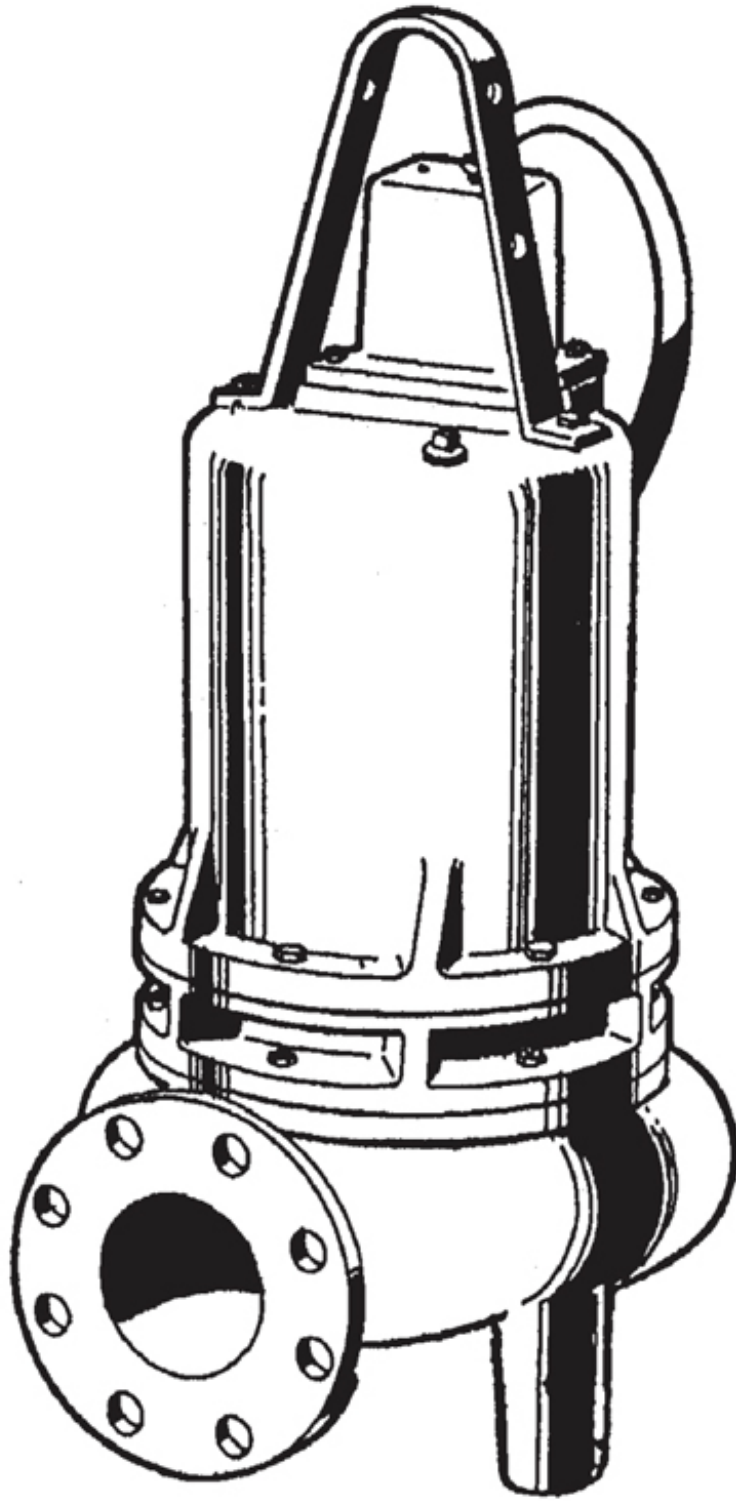


# 4SE-L – 11.3 HP

**3" Spherical Solids Handling**

**BARNES®**



# Specifications

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

**SPEED:** 1150 RPM (Nominal)

**IMPELLER:**

- **Design:** 2 Vane, open 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

**SEAL:**

- **Design:** Double mechanical, oil filled pressure equalized reservoir
- **Material:** Carbon/Ceramic/Buna-N Hardware - 300 series stainless

**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

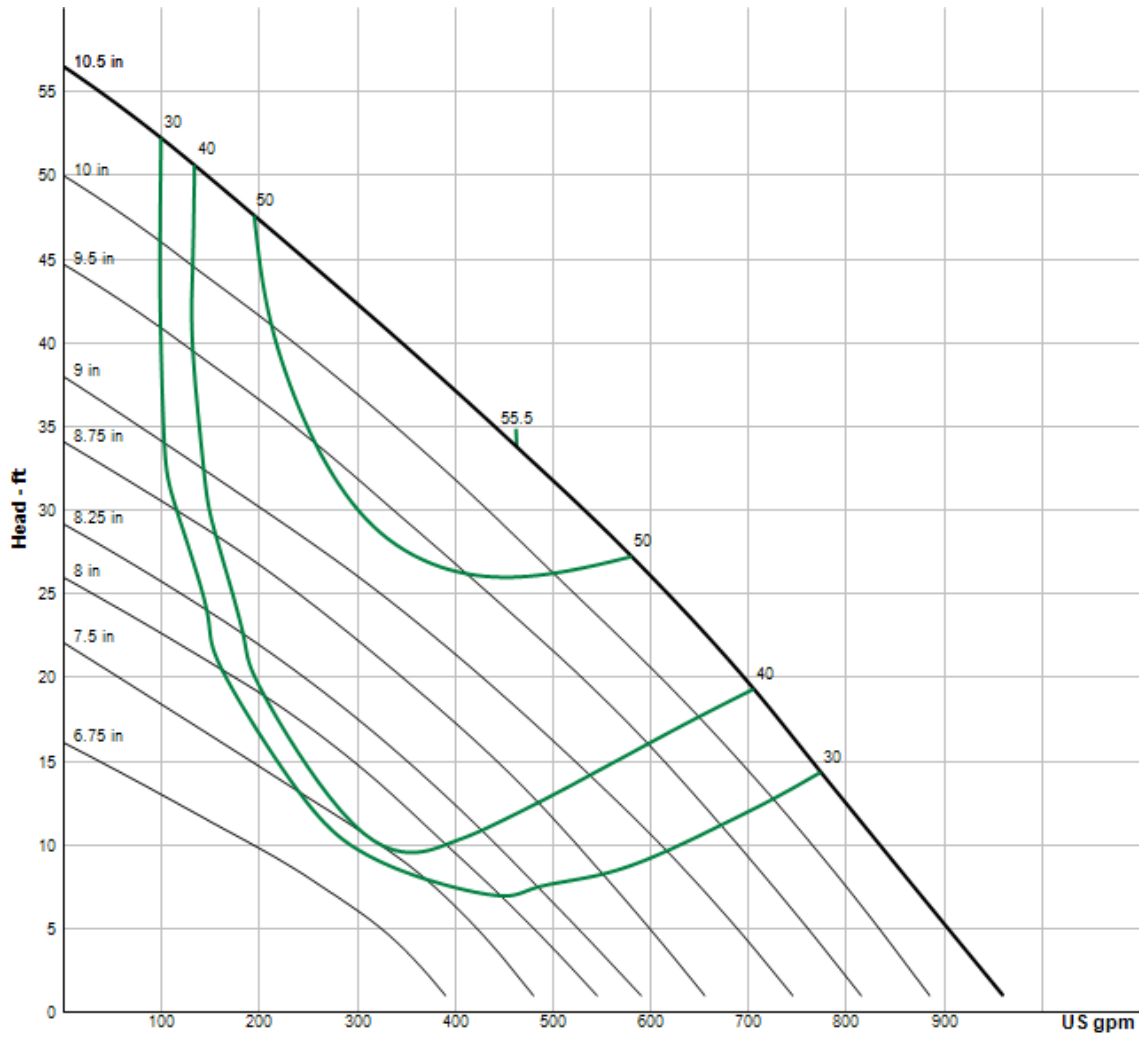
**SINGLE PHASE:** Capacitor start/capacitor run. Requires Barnes starter/panel which includes capacitors and overload protection

**THREE PHASE:** Tri voltage motor 200-230/460. 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	222 (8.75)
7.5	254 (10.00)
11.3	267 (10.50)

## Model Information

<b>MODEL NO.</b>	<b>4SE11396L</b>	<b>4SE11346L</b>	<b>4SE11356L</b>
PART NO.	084621	084622	089305
HP	11.3	11.3	11.3
VOLT/PH	200-230/3	460/3	575/3
Hz	60	60	60
RPM (nom)	1150	1150	1150
NEMA START CODE	B/D	D	D
FULL LOAD AMPS	32.2/28.0	14	11.2
LOCKED ROTOR AMPS	107.8/124	62	49.6
CORD SIZE	8/4	8/4	10/4
CORD TYPE	SOW	SOW	SOW
CORD O.D INCH (mm)	0.830 (21)	0.830 (21)	0.750 (19.1)

Drawing

