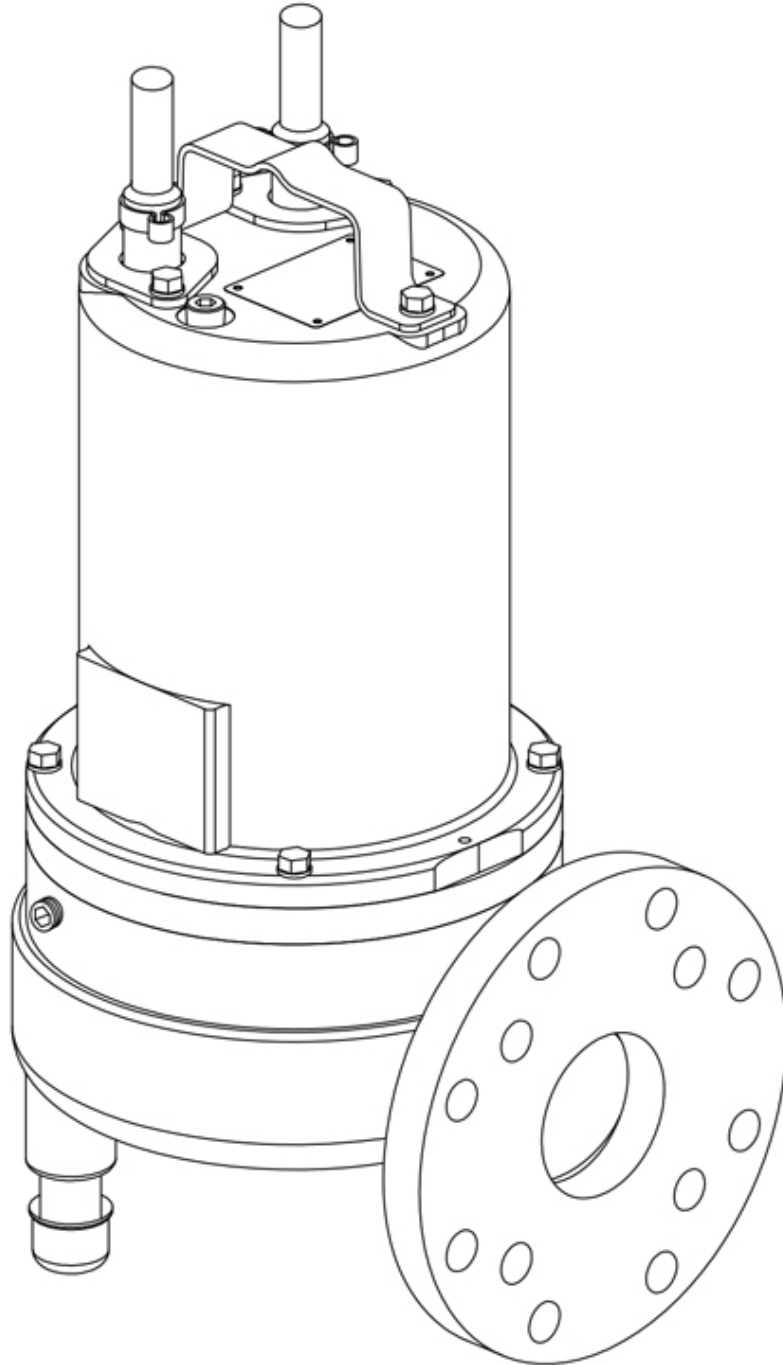


4SE-L – 1.9 HP

3" Spherical Solids Handling



BARNES®

Specifications

DISCHARGE: 4" 125lb., Horizontal flange

SPEED: 1150 RPM (Nominal)

IMPELLER:

- **Design:** 2 Vane, semi-open with pump out vanes on back side, dynamically balanced, ISO G6.3
- **Material:** Cast iron ASTM, class 30

CORD ENTRY: 30 ft. (9.1 m) Cord. Quick connect custom molded for sealing and strain relief

MOTOR:

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

SEAL:

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

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

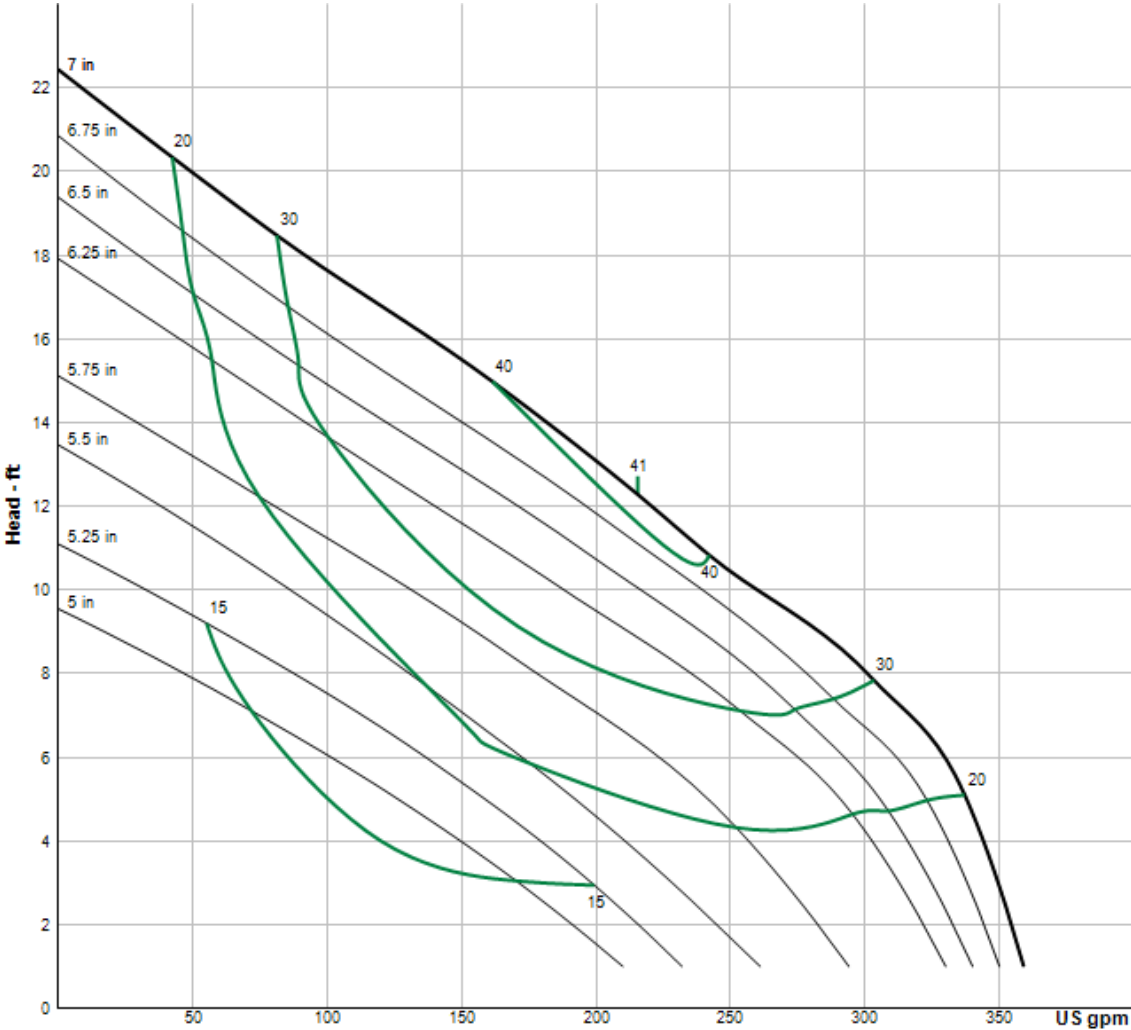
SINGLE PHASE: Permanent split capacitor (PSC) includes overload protection in motor

THREE PHASE: 200-230/460 is Tri voltage motor. 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.)
1.9	178 (7.00)
2.8	191 (7.50)

Model Information

MODEL NO.	4SE1926L	4SE1996L	4SE1946L	4SE1956L
PART NO.	133159	133160	133161	133162
HP	1.9	1.9	1.9	1.9
VOLT/PH	230/1	200-230/3	460/3	575/3
Hz	60	60	60	60
RPM (nom)	1150	1150	1150	1150
NEMA START CODE	D	E/G	G	G
INSUL. CLASS	B	B	B	B
FULL LOAD AMPS	8.3	5.8/5.0	2.5	2
LOCKED ROTOR AMPS	35	26.1/30.0	15	12
CORD SIZE	14/3	14/4	14/4	14/4
CORD TYPE	SOOW/SOW	SOOW/SOW	SOOW/SOW	SOOW/SOW
CORD O.D INCH (mm)	.53 (13.5)	.57 (14.5)	.57 (14.5)	.57 (14.5)

Drawing

