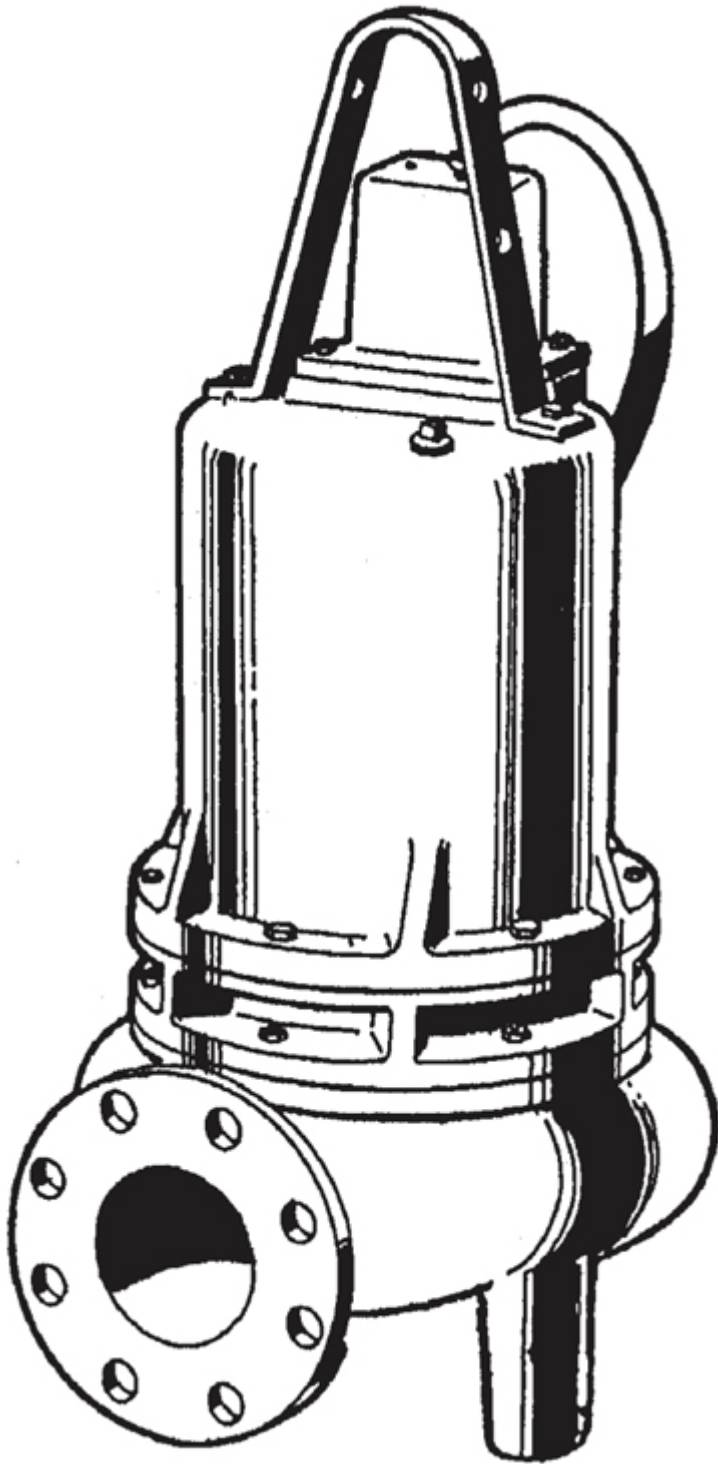


4SE-L – 4.5 HP

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

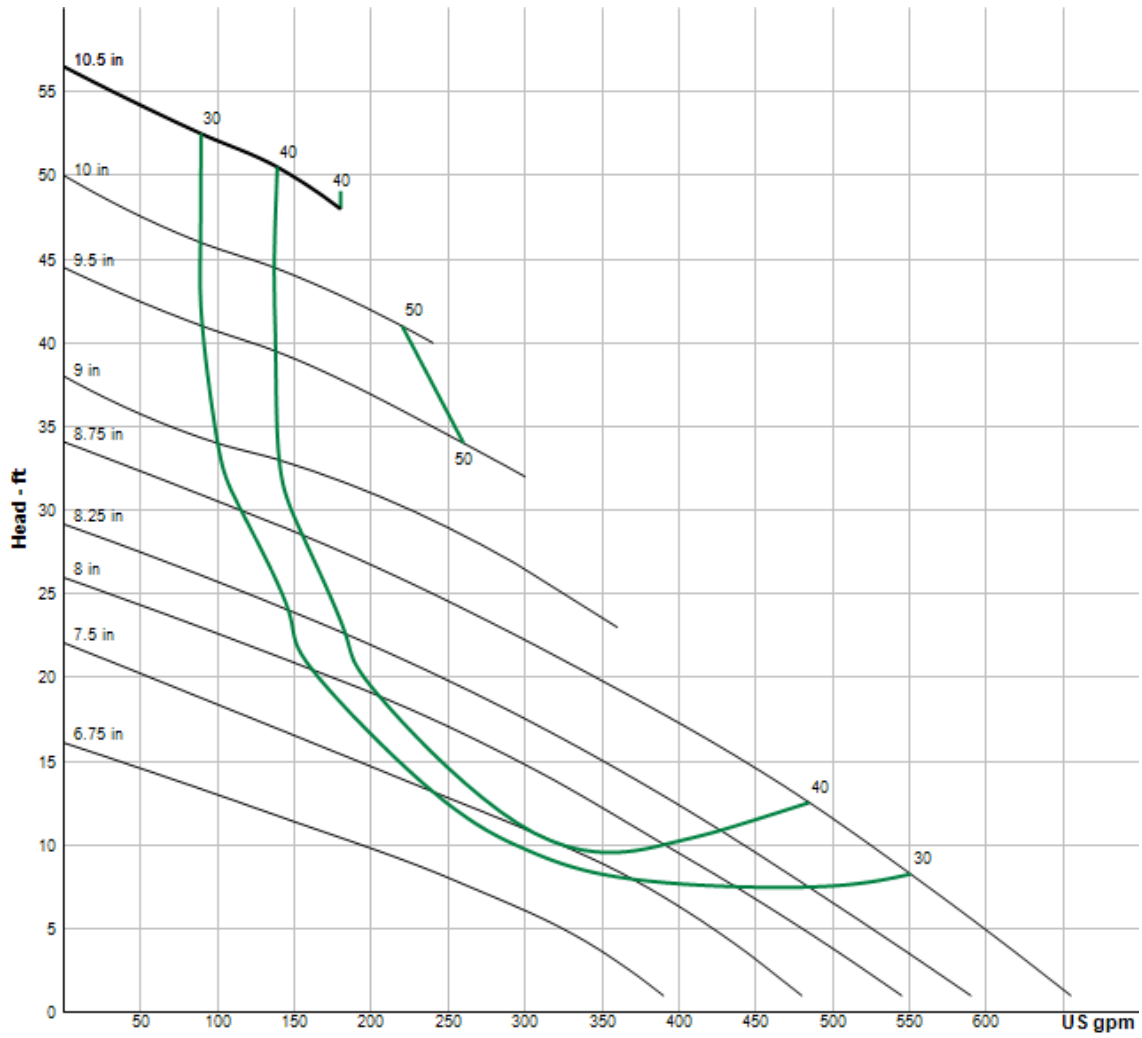
SINGLE PHASE: Capacitor start/capacitor run. Requires Barnes starter/panel which includes capacitors and overload protection

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

MODEL NO.	4SE4596L	4SE4546L	4SE4556L
PART NO.	084615	084616	089303
HP	4.5	4.5	4.5
VOLT/PH	200-230/3	460/3	575/3
Hz	60	60	60
RPM (nom)	1150	1150	1150
NEMA START CODE	C/G	F	F
FULL LOAD AMPS	16.6/14.4	7.2	5.7
LOCKED ROTOR AMPS	51.3/64.0	29.5	23.6
CORD SIZE	10/4	10/4	10/4
CORD TYPE	SOW	SOW	SOW
CORD O.D INCH (mm)	0.750 (19.1)	0.750 (19.1)	0.750 (19.1)

Drawing

