

FEATURES

- 1. Semi-Open Impeller**
 - ↪ Adjustable wear plate increases wear life when pumpage contains heavy abrasive particles.
 - ↪ 28% High Chrome 650+ Brinell hardness – assures long life of impeller, wear plate and casing.
- 2. Slurry Mechanical Seal**
 - ↪ Dual Seals of Silicon Carbide vs. Silicon Carbide running without the need for flush water.
 - ↪ The motor is further protected by a labyrinth seal and a seal relief port.
- 3. Premium Efficiency Motor**
 - ↪ Inverter duty, air filled, copper wound motor.
 - ↪ Class H insulation.
 - ↪ Extended run dry capabilities, minimizes the cost of operation.
- 4. Spray Holes**
 - ↪ Spray holes are standard on every SBLH series pump.
 - ↪ An agitator is optional for thick, heavy slurries.

APPLICATIONS

1. Bottom Ash / Fly Ash
2. Tailings Ponds
3. Sand and Gravel
4. Clean Out Sumps
5. Coke Pits
6. Dredging
7. Coal Pile Runoff
8. Slag Pits / Mill Scale
9. Boiler Blow Down
10. Lime Slurry
11. Red Mud Recovery
12. Thickener Drain
13. Precipitator Thickener
14. Mill Scale

Built to handle the most severe slurry applications. No more vacuum pumps.



SPECIFICATIONS

STANDARD

OPTIONS

Horsepower	15 – 150 HP	15 – 1500 HP (SBEW Series)
Discharge Size.....	3" – 8"	3" – 20" (SBEW Series)
Performance Range		
Capacity	100 – 4500 US GPM	100 – 20,000 US GPM (SBEW Series)
Head	10' – 160' TH	10' – 350' TH (SBEW Series)
Solids Handling.....	1-3/8" to 2-1/2" Particle Size	1" – 5" Particle Size (SBEW Series)
Motor Nomenclature		
Type, Speed, HZ	TENV Air Filled, / 1180-1780/60 HZ	Explosion Proof 890 RPM / 50 HZ
Voltage, Phase.....	480 V. / 3 Phase / 1.2 Service Factor	240 – 575 – 2400 – 4160 Volt
Insulation	Class H	
Cable Length	33'	Cable length as required
Maximum Run Time in Air	1 Year	
Maximum Water Temperature.....	180° F+ (Higher in specific instances)	Water jacket to handle hotter temperature
Operation Mode	Manual or Snore	Variable Speed Drive / Float Controls
Materials Of Construction		
Casing	28% High Chrome 650+ Brinell Hardness	15/3 White Iron
Impeller.....	28% High Chrome 650+ Brinell Hardness	15/3 White Iron
Wear Plate	28% High Chrome 650+ Brinell Hardness	15/3 White Iron
Shaft	416 Stainless Steel	
Motor Housing.....	Cast Iron 3/8" Minimum Thickness	
Fasteners	316 Stainless Steel	
Impeller Type.....	Semi-Open	Enclosed (SBEW Series)
Mechanical Seal		
Upper Seat	Silicon Carbide	
Upper Rotator	Silicon Carbide	
Lower Rotator	Silicon Carbide	
Lower Seat.....	Silicon Carbide	
Elastomers	Viton	
Labyrinth Seal	Cast Steel	316 Stainless Steel / Bronze
Bearings.....	Permanently Lubricated Double Angular Contact 100,000 Hour B-10 Life	
Accessories	Cable 33' Standard	Agitators / Discharge Hose / Variable Speed Drives / Urethane Coating / Elbows in Steel or High Chrome / Control Panels Moisture and Thermal Protection / Rafts