

# DURABLE. RELIABLE. DEPENDABLE.



## HEAVY-DUTY BASE MOUNTED C-FACE EXTENDED SHAFT SLURRY PUMP

**BCLH SERIES**

**SPECIFICATIONS**

FEATURES	SPECIFICATIONS	STANDARD
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### 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 seal relief port.

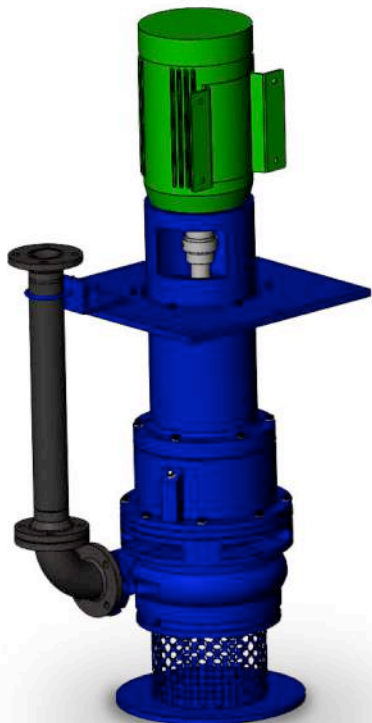
### 3. Heavy-Duty Wash-Down Motor

- C-Face inverter-duty TEFC, severe service, low voltage motor minimizes the cost of operation.

### 4. Spray Holes

- Spray holes are standard on every BCLH pump liquid end.

### 5. Cantilever Pump is Double Protected and Sealed



### Horsepower

15 - 200 HP

### Discharge Size

3" - 8"

### Performance Range

Capacity

100 - 3400 US GPM

Head

10' - 140' TH

### Solids Handling

1-3/8" to 2-1/2" Particle Size

### Motor Nomenclature

Type / Speed / HZ

C-Face TEFC / 890 to 1780 RPM / 60 HZ

Voltage / Phase

230, 460, 575 V / 3 Phase

Service Factor

1.15

Insulation

Class F

### Maximum Water Temperature

200° F+

### Operation Mode

Synchronous Speed or V.F.D.

### Materials of Construction

Casing

28% High Chrome 650+ Brinell Hardness

Impeller

28% High Chrome 650+ Brinell Hardness

Wear Plate

28% High Chrome 650+ Brinell Hardness

Shaft

416 Stainless Steel

Bearing Housing

Cast Iron

Fasteners

316 Stainless Steel

### Impeller Type

Semi-Open

### Mechanical Seal

Upper Seat

Silicon Carbide

Upper Rotator

Silicon Carbide

Lower Seat

Silicon Carbide

Lower Rotator

Silicon Carbide

Elastomers

Viton

Labyrinth Seal

Cast Steel

Lubrication

Mobil / Synturion 6

### Bearings

Thrust

Double Angular Contact

Radial

Deep Groove Ball Bearing

### Lubrication

Permanently Lubricated with Mobil SHC Polyrex 222

### Accessories

Agitators / Discharge Hose /

Variable Speed / Urethane

Coating / Elbows in Steel or High

Chrome / Control Panels /

Moisture and Thermal Protection / Rafts

**Pumps are available for 20' sumps. Permanently lubricated sealed bearings prevent minimum shaft deflections. No V-belts or tail pipes**

