



VERTICAL C-FACE VCLH SERIES

HEAVY DUTY HIGH CHROME SLURRY PUMP

SPECIFICATIONS

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 dual lip seals.
- 3. Heavy Duty Wash-Down C Face Motor**
 - ↗ C- Face Inverter duty TEFC, Severe service, low voltage motor minimizes the cost of operation.
- 4. No Packing or Leaking Seals**
 - ↗ Mechanical seal is self-contained requiring no adjustments or flush water for lubrication.
- 5. Save Floor Space by 50%.**

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

Mount vertically where space saving is required



SPECIFICATIONS

STANDARD

OPTIONS

Horsepower	15 – 200 HP	15 – 300 HP (VCEW Series)
Discharge Size.....	3" – 8"	3" – 20" (VCEW Series)
Performance Range		
Capacity	100 – 4,500 US GPM	100 – 20,000 US GPM (VCEW Series)
Head	10' – 160' TH	50' – 350' TH (VCEW Series)
Solids Handling.....	1-3/8" to 2-1/2" Particle Size	1" – 5" Particle Size (VCEW Series)
Motor Nomenclature		
Type, Speed, HZ	C-Face TEFC / 890 to 1780 RPM / 60 HZ	50 HZ
Voltage, Phase.....	480 V. / 3 Phase / 1.15 Service Factor	240 – 575 – 2400 – 4160 Volt
Insulation	Class F	Class H
Maximum Water Temperature.....	200° F. +	
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	
Bearing Housing	Cast Iron	
Fasteners	316 Stainless Steel	
Impeller Type.....	Semi-Open	Enclosed (VCEW 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		Discharge Hose / Variable Speed Drives / Urethane Coating / Elbows in Steel or High Chrome / Control Panels / Moisture and Thermal Protection / Float Controls / Rafts