



CORNELL PUMP COMPANY

SLURRY PUMPS

HEAVY DUTY SM SERIES



EFFICIENT BY DESIGN



SM SERIES SLURRY PUMPS



ROBUST SLURRY PUMPS FOR SERIES PUMPING WITH CYCLOGUARD™ AND CYCLOSEAL® INNOVATIONS

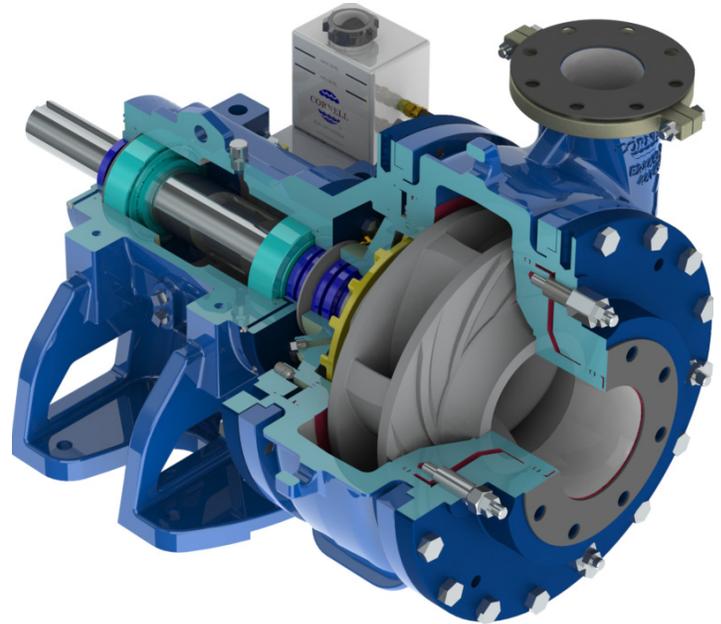


NEW! UNLINED HARD METAL PUMP

The SM Series of pumps are unlined high chrome white iron wet ends for a wide range of slurry applications. All pumps are design to a maximum working pressure of 600 PSI and can be used for series pumping. The product line has many options to match a wide range of applications. A variety of gland seal arrangements provide the ultimate in flexibility for heavy-duty applications.

FEATURES

- Back pullout design to simplify maintenance
- 600 PSI rated pressure
- CycloGuard® to reduce inlet recirculation
- Six vane impeller for high efficiency
- Infinitely variable volute and discharge position
- Axially adjustable suction wear plate = no frame adjustment needed or realignment of belts/piping
- Available in any pipe flange standard
- Standard CycloSeal®--no flush water required
- Other shaft seal arrangements available
- Grease or oil lubricated bearing frame
- High-capacity bearings available
- Ideal for series/multistage pumping applications
- Handles high solids concentrations



SERIES SPECIFICATIONS

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DISCHARGE SIZE RANGE	1½" to 14"
MAX SOLIDS HANDLING	4.5"
FLOW RATES	100 to 14,000 GPM
MAX HEAD	425'

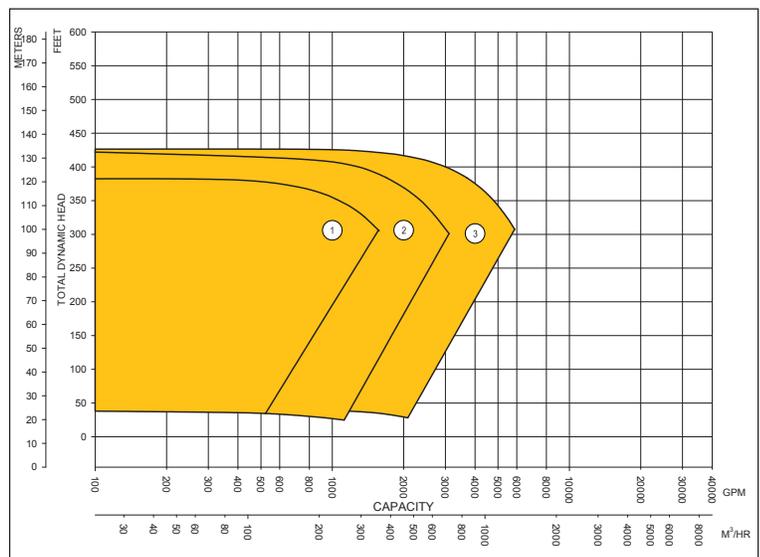
MATERIALS OF CONSTRUCTION

- Chrome iron impeller, volute, wear plate, backplate and expeller
- Ductile iron suction cover, bracket and frame
- 4140 steel shaft
- 420 stainless steel shaft sleeve

SM SERIES FAMILY

1. 3412SM
2. 4616SM
3. 6820SM

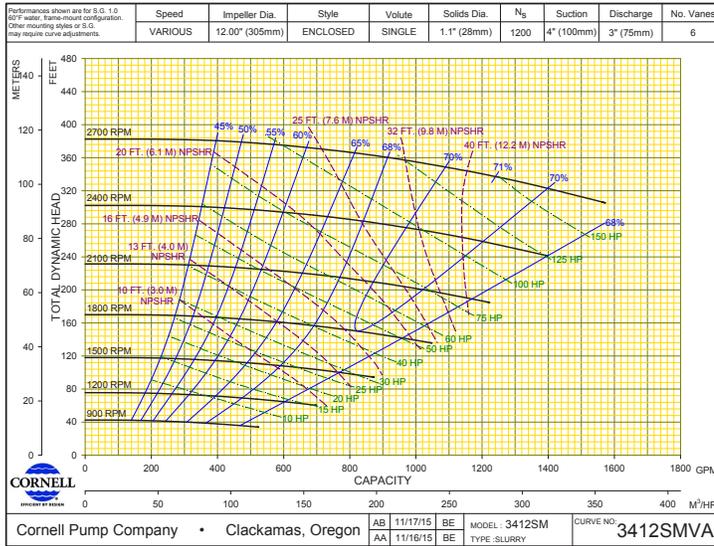
SCAN THE CODE TO CHECK OUT MORE PUMPS FOR THE MINING INDUSTRY FROM CORNELL PUMP COMPANY.





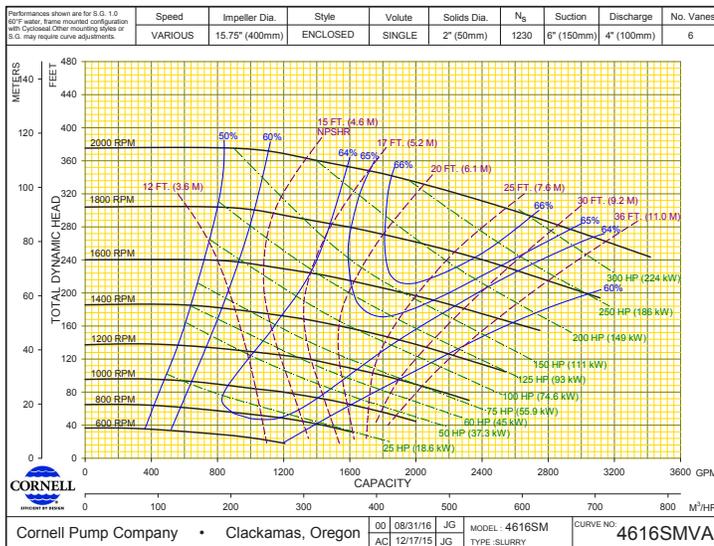
SM SERIES SLURRY PUMPS

NO FLUSH WATER REQUIRED—MONEY SAVING DESIGN



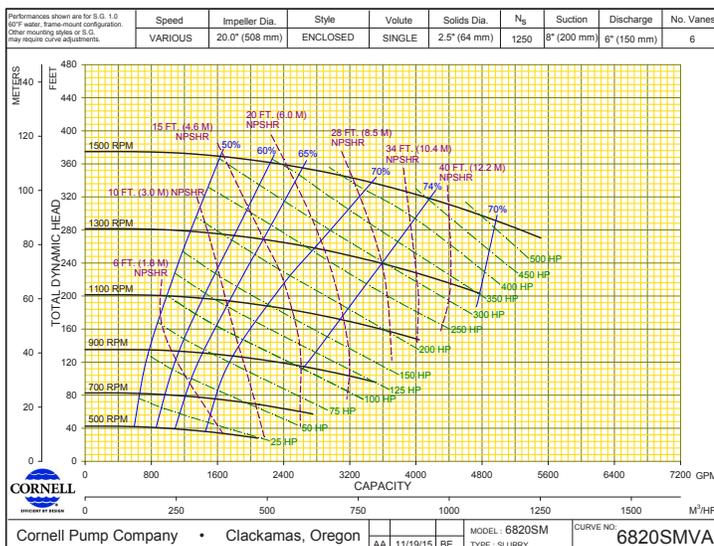
3412SM

- Flow rates from 140 to 1575 GPM (31.8 to 357.7 m³/h)
- Pressure to 600 PSI (4,137 kPa)
- 71% efficient at Best Efficiency Point



4616SM

- Flow rates from 400 to 3200 GPM (90.9 to 727 m³/h)
- Pressure to 600 PSI (4,137 kPa)
- 66% efficient at Best Efficiency Point

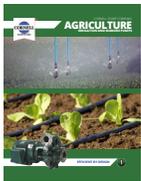


6820SM

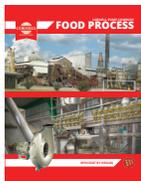
- Flow rates from 600 to 5200 GPM (136.3 to 1,181 m³/h)
- Pressure to 600 PSI (4,137 kPa)
- 74% efficient at Best Efficiency Point



MARKET AND PRODUCT LINE



AGRICULTURAL



FOOD PROCESS



INDUSTRIAL



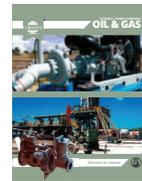
MINE DEWATERING



MUNICIPAL



REFRIGERATION



OIL & GAS



CYCLOSEAL®



CHOPPER



CUTTER



EDGE™



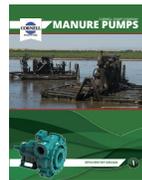
HYDRAULIC SUBS



HYDRO TURBINE



IMMERSIBLE



MANURE



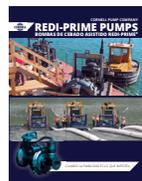
MP SERIES



MX SERIES



MX MINING



REDI-PRIME®



SELF PRIMING



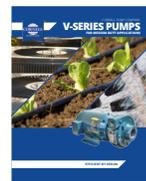
SLURRY



SUBMERSIBLE



WATER TRANSFER



V SERIES

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Cornell pumps and products are the subject of one or more of the following U.S. and foreign patents: 3,207,485; 3,282,226; 3,295,456; 3,301,191; 3,630,637; 3,663,117; 3,743,437; 4,335,886; 4,523,900; 5,489,187; 5,591,001; 6,074,554; 6,036,434; 6,079,958; 6,309,169; 2,320,742; 96/8140; 319,837; 918,534; 1,224,969; 2,232,735; 701,979 and are the subject of pending U.S. and foreign patent applications.

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