

CORNELL PUMP COMPANY

SLURRY PUMPS

HEAVY DUTY SM SERIES

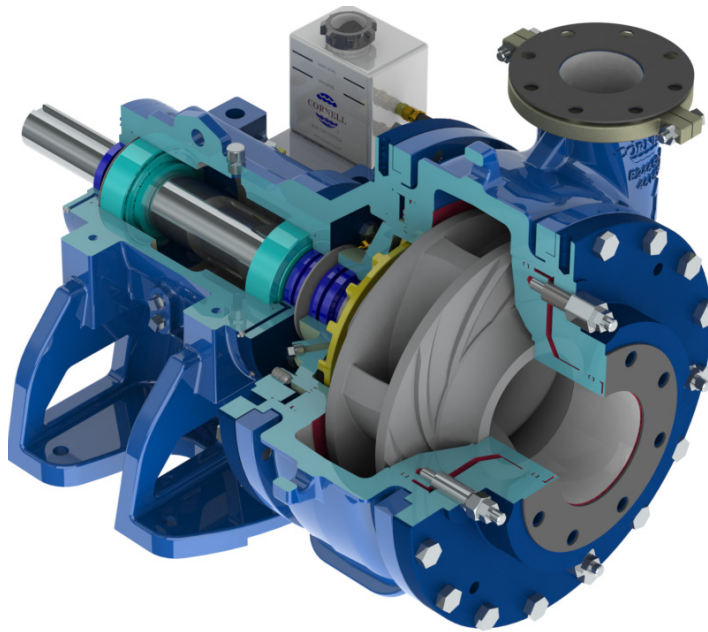
CORNELL PUMP COMPANY



SM SERIES SLURRY PUMPS



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



FEATURES

- Back pullout design to simplify maintenance
- 600 PSI rated pressure
- CycloGuard™ to reduce inlet recirculation
- 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

UNLINED HARD METAL PUMP IS VERSATILE AND STRONG

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 uses.

SERIES SPECIFICATIONS

DISCHARGE SIZE RANGE	2" to 6"
MAX SOLIDS HANDLING	2.5"
FLOW RATES	125 to 5200 GPM
MAX HEAD	425'

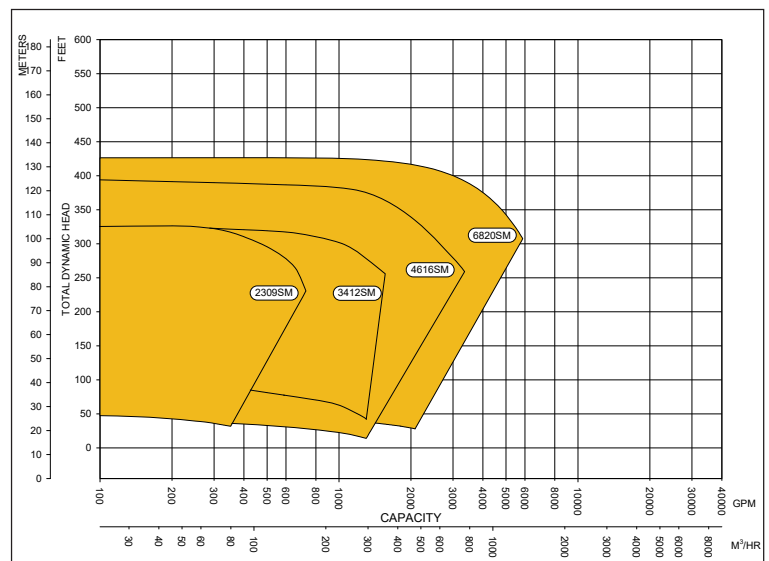
MATERIALS OF CONSTRUCTION

- 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. 2309SM
2. 3412SM
3. 4616SM
4. 6820SM

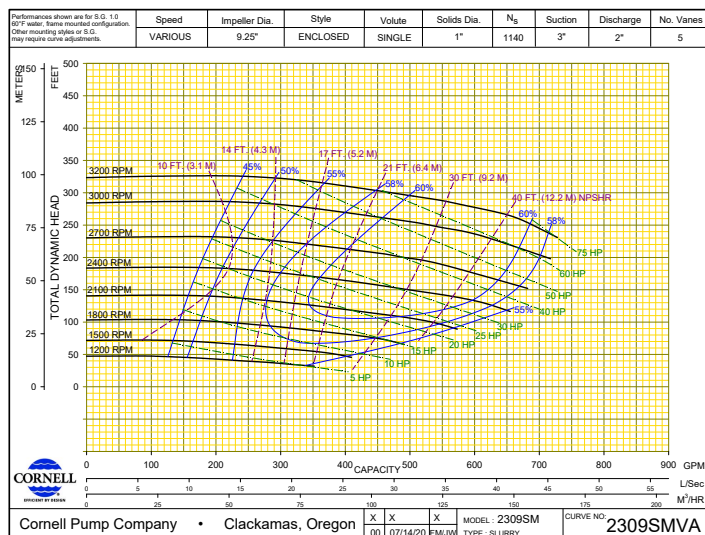
SCAN THE CODE TO
CHECK OUT MORE
PUMPS FOR THE
MINING INDUSTRY
FROM CORNELL PUMP
COMPANY.





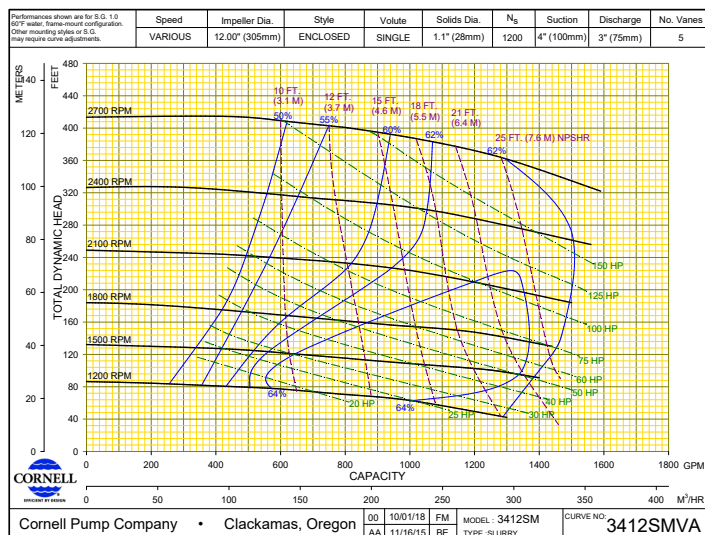
SM SERIES SLURRY PUMPS

NO FLUSH WATER REQUIRED—MONEY SAVING DESIGN



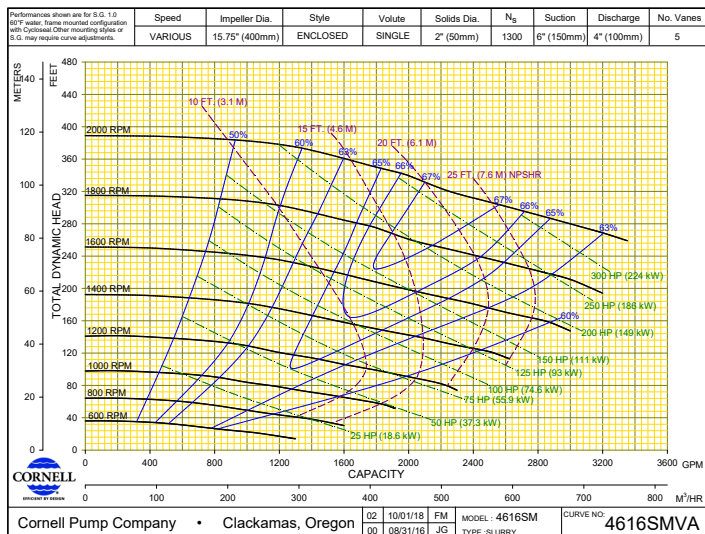
2309SM

- Flow rates from 125 to 730 GPM (28 to 166m³/h)
- Pressure to 600 PSI (4,137 kPa)
- 60% efficient at Best Efficiency Point



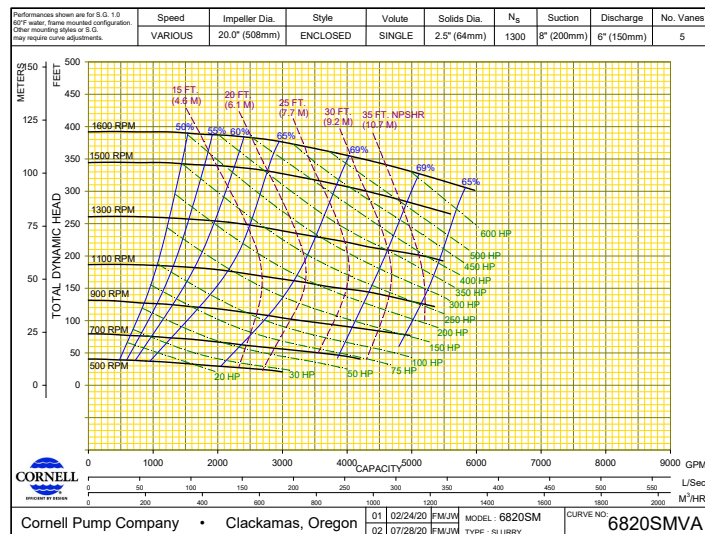
3412SM

- Flow rates from 300 to 1500 GPM (68.1 to 340.7 m³/h)
- Pressure to 600 PSI (4,137 kPa)
- 64% efficient at Best Efficiency Point



4616SM

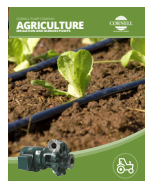
- Flow rates from 400 to 3200 GPM (90.9 to 727 m³/h)
- Pressure to 600 PSI (4,137 kPa)
- 67% efficient at Best Efficiency Point



6820SM

- Flow rates from 600 to 5200 GPM (136.3 to 1,181 m³/h)
- Pressure to 600 PSI (4,137 kPa)
- 69% efficient at Best Efficiency Point

CORNELL PUMP COMPANY MARKET & PRODUCT LINE



AGRICULTURE



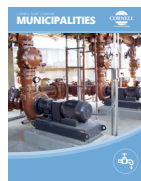
FOOD PROCESS



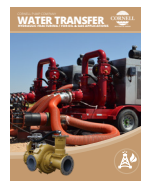
INDUSTRIAL



MINING



MUNICIPAL



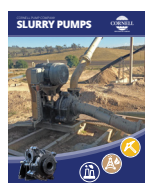
WATER
TRANSFER



REFRIGERATION



CONSTRUCTION



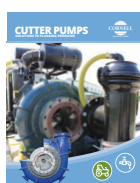
SLURRY



SLURRY SM



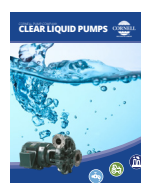
MANURE



CUTTERS



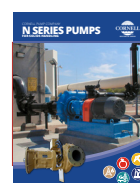
SELF PRIMING



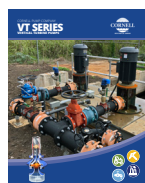
CLEAR LIQUIDS



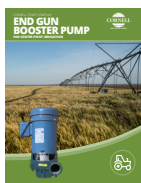
MX SERIES



N SERIES



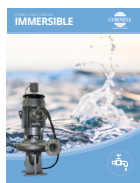
CYCLONE™



EDGE™



HYDRAULIC
SUBS



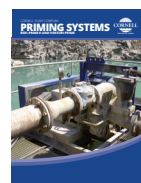
IMMERSIBLE



CD4MCU



RUN-DRY™



PRIMING
SYSTEMS



CYCLOSEAL®

Cyclo seal® and Redi-Prime® are Registered Trademarks of Cornell Pump Company.

Cornell pumps and products are the subject of one or more of the following U.S.
and foreign patents:

6,074,554; 6,036,434; 6,079,958; 6,309,169; 6,104,949.

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