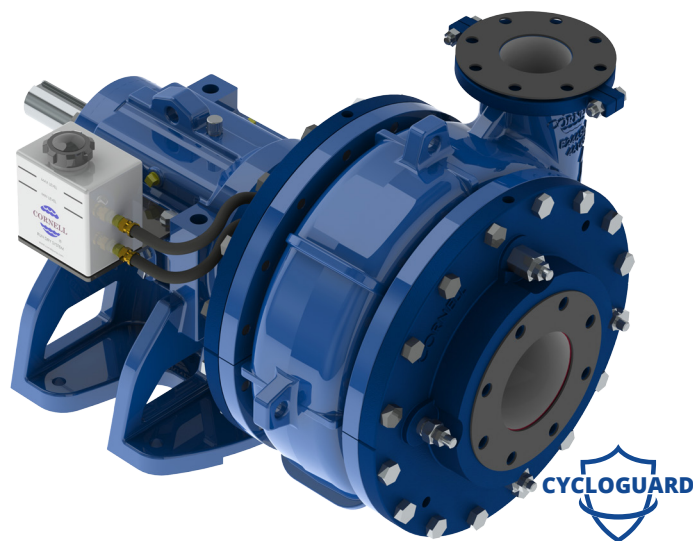


4616SM



| AVAILABLE MOUNTING CONFIGURATIONS | |
|------------------------------------|--|
| 4616SM-RP-F REDI-PRIME FRAME MOUNT | |
| 4616SM-F FRAME MOUNT | |

| OPERATING LEVELS | | |
|------------------|----------|-----------------------|
| MIN FLOW | 360 GPM | 82 m ³ /h |
| MAX FLOW | 3200 GPM | 727 m ³ /h |
| DISCHARGE SIZE | 4" | 100 mm |
| SUCTION SIZE | 6" | 150 mm |
| SOLIDS HANDLING | 2" | 5 mm |
| MAX SPEED | 2000 RPM | 2000 RPM |
| SHUT-OFF HEAD | 375' | 115 m |
| BEP HEAD | 320' | 98 m |
| BEP FLOW | 2250 GPM | 510 m ³ /h |
| BEP PERCENT | 66% | 66% |



A typical picture of the pump is shown. Please contact Cornell Pump Company for further details. All information is approximate and for general guidance only.

| PARTS | HIGH CHROME |
|---------------|---------------------|
| IMPELLER | CHROME IRON |
| VOLUTE | CHROME IRON |
| VOLUTE CASING | CHROME IRON |
| SHAFT | 4140 STEEL |
| SHAFT SLEEVE | 420 STAINLESS STEEL |
| SUCTION COVER | DUCTILE IRON |
| WEAR PLATE | CHROME IRON |
| BACKPLATE | CHROME IRON |
| EXPELLER | CHROME IRON |

The 4616SM pump is designed with Cornell's renowned quality and durability. It features a 4" discharge, 6" suction, and enclosed impeller. The pump body construction is high-chrome white iron. Cornell's patented Cyclo Seal[®] design with Cycloguard[™] is standard, with a Type 2 single mechanical seal with Buna-N elastomers, and tungsten carbide vs. silicon carbide seal faces for abrasion resistance. The bearing frame includes tapered roller bearings. Multiple gland seal options: Cyclo Seal - standard. Optional - Packed gland arrangements, expeller seal and double mechanical seal.

- CycloGuard[™] to reduce inlet recirculation
- Six vane impeller for high efficiency
- Infinitely variable volute and discharge position
- Grease or oil lubricated bearing frame
- Ideal for series/multistage pumping applications
- Back pullout design to simplify maintenance



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



REFRIGERATION



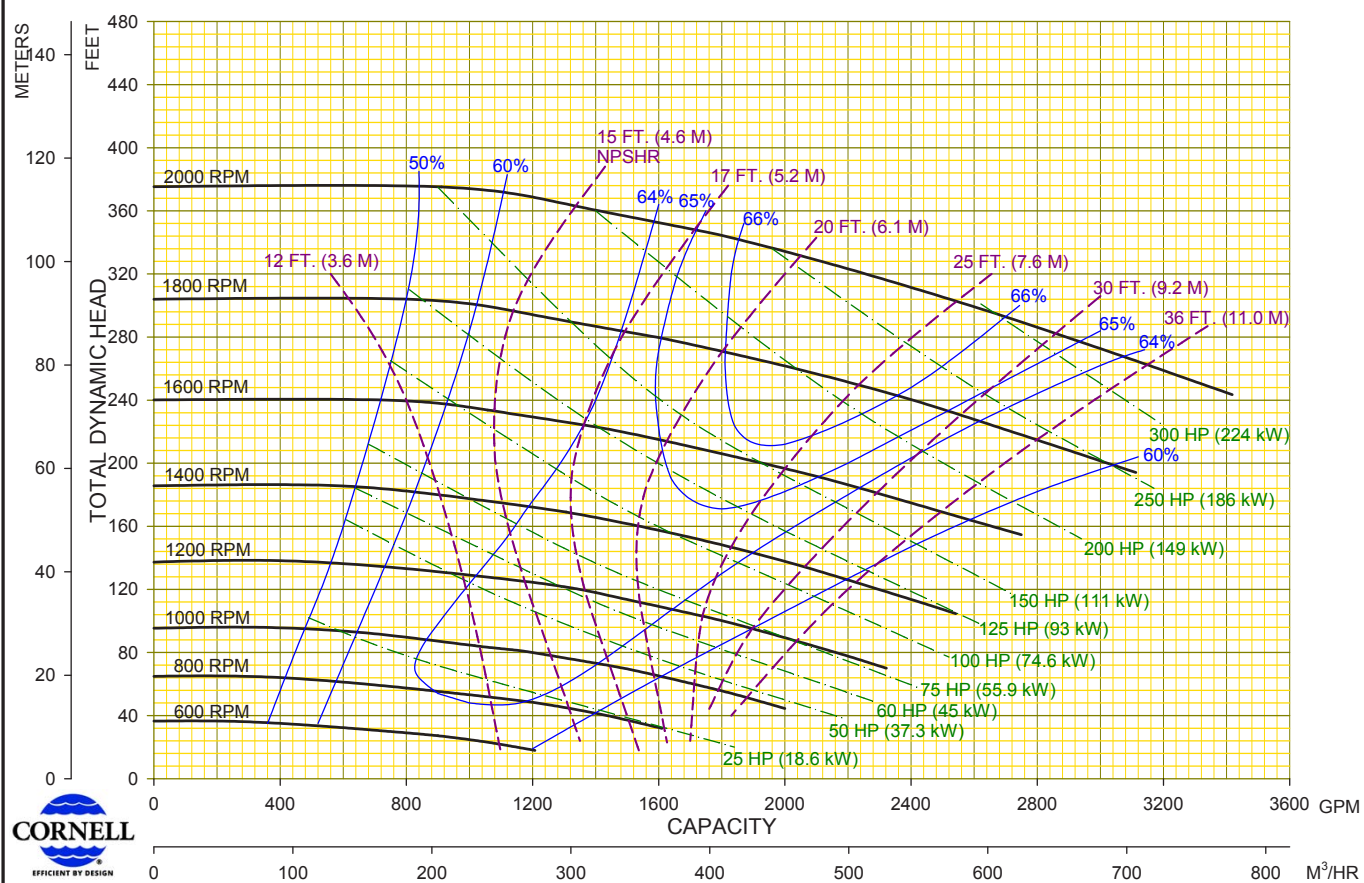
RENTAL

4616SM



Performances shown are for S.G. 1.0
60°F water, frame mounted configuration
with Cyclo Seal. Other mounting styles or
S.G. may require curve adjustments.

| Speed | Impeller Dia. | Style | Volute | Solids Dia. | N _s | Suction | Discharge | No. Vanes |
|---------|----------------|----------|--------|-------------|----------------|------------|------------|-----------|
| VARIOUS | 15.75" (400mm) | ENCLOSED | SINGLE | 2" (50mm) | 1230 | 6" (150mm) | 4" (100mm) | 6 |



| | | | | | |
|--|----|----------|----|---------------|--------------------|
| Cornell Pump Company • Clackamas, Oregon | 00 | 08/31/16 | JG | MODEL: 4616SM | CURVE NO: 4616SMVA |
| | AC | 12/17/15 | JG | | |