



CORNELL PUMP COMPANY

HYDRAULIC SUBS

STANDARD SPECIFICATIONS

- Models Available - 4NNT, 6NNT, 8NNT, etc.
- Discharge Sizes Available - 4 to 8 inch
- Standard Construction - Cast Iron, Class 30
- Optional Construction - 316SS, CD4MCU, Ductile Iron
- Permco hydraulic drive

FEATURES BENEFITS

- Various adaptor plates available for hydraulic motor fit
- Heavy duty shaft / bearing frame assembly
- Heavy duty "wet end" construction
- Manufactured in the United States

PERFORMANCE CHARACTERISTICS

- Premium Hydraulic Efficiencies, 76 to 80% BEP
- 3 inch or larger solid handling capability
- Total Dynamic Head: 50 to 360 feet
- Capacity: 200 to 7000 GPM

TYPICAL MARKETS

- General Agriculture, Industrial and Municipal Applications
- Rental Applications
- Mining Applications
- Flood Control Applications
- Construction / Dewatering Applications

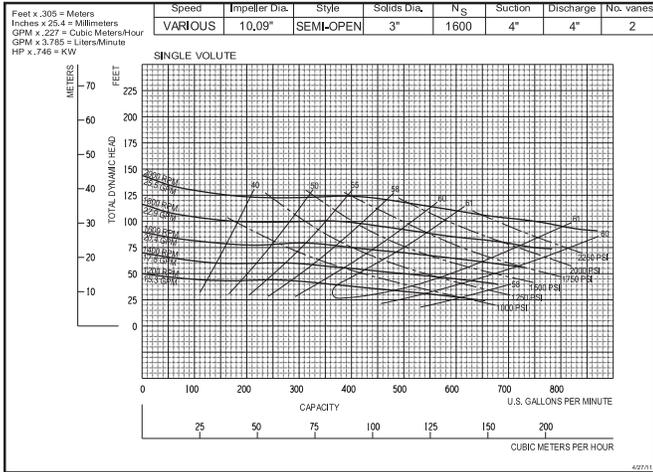


EFFICIENT BY DESIGN

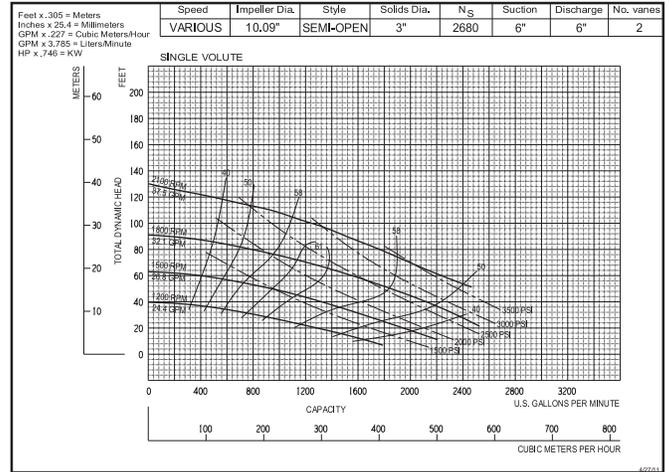


HYDRAULIC SUBMERSIBLES

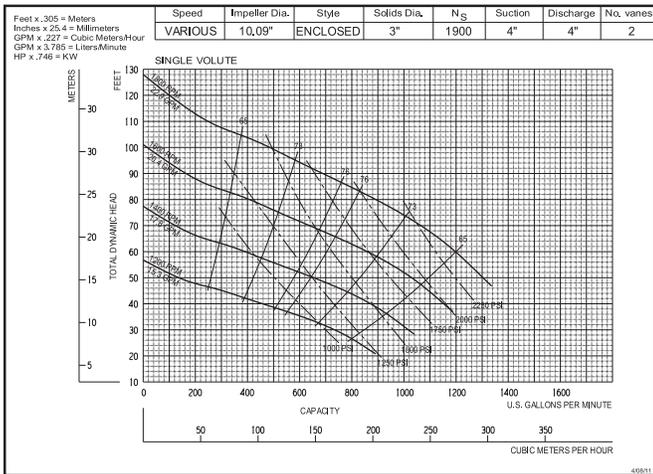
4NNDH - HS16 VARIABLE SPEED



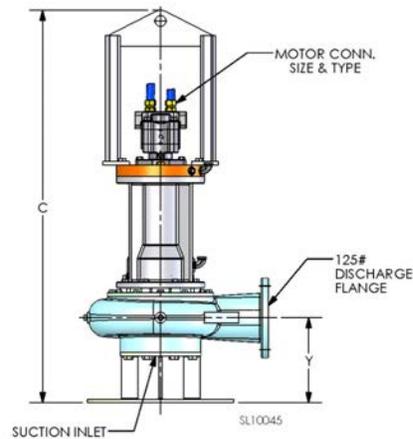
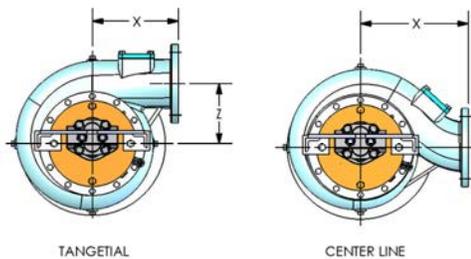
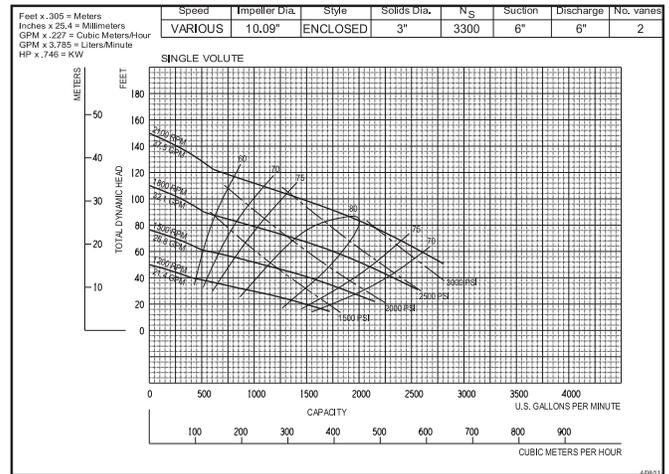
6NNDH - HS16 VARIABLE SPEED



4NNT - HS16 VARIABLE SPEED



6NNT - HS16 VARIABLE SPEED



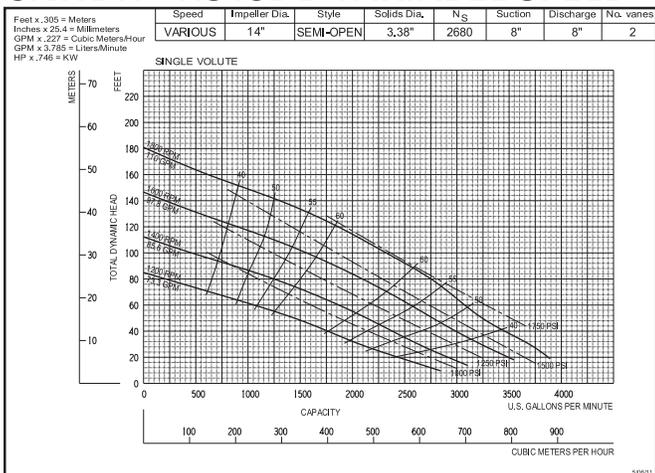
NOTES:

1. Do not use for construction unless certified.

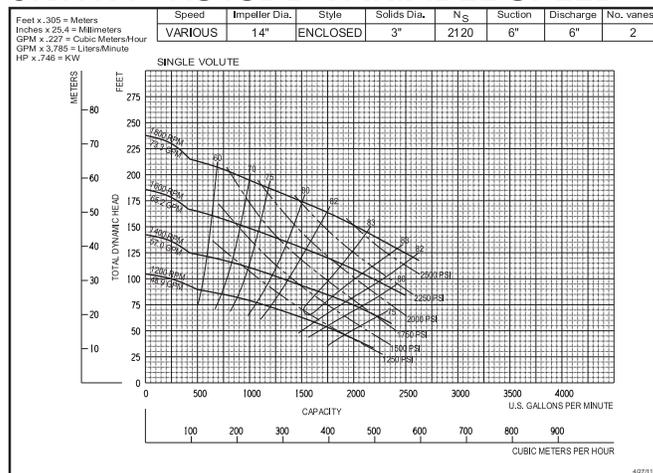
| MODEL | FRAME | CONNECTION | | PUMP DIMENSIONS | | | | MOTOR | MOTOR CONN. SIZE & TYPE | WT (LB) |
|--------|--------|------------|-------|-----------------|-------|-------|-------|-------------|----------------------------|---------|
| | | DISCH. | SUCT. | C | X | Y | Z | | | |
| 3419MX | HS18DB | 3 | 4 | 57.56 | 13 | 12.88 | 10.25 | M7600-30 | 1.5" SPLIT FLANGE CODE 61 | 1070 |
| 4NNT | HS16 | 4 | 4 | 50.5 | 12.56 | 9.25 | - | M197-12 | 1" SAE - O-RING | 520 |
| 4NNDH | HS16 | 4 | 4 | 50.5 | 12.56 | 9.25 | - | M197-12 | 1" SAE - O-RING | 520 |
| 4414T | HS18DB | 4 | 4 | 54.81 | 14.5 | 9.75 | - | M7600-20 | 1.25" SPLIT FLANGE CODE 61 | 820 |
| 6NNT | HS16 | 6 | 6 | 54.5 | 14.75 | 11.75 | - | M197-17 | 1" SAE - O-RING | 600 |
| 6NNDH | HS16 | 6 | 6 | 54.5 | 14.75 | 11.75 | - | M197-17 | 1" SAE - O-RING | 600 |
| 6NHTA | HS18DB | 6 | 6 | 57.5 | 18.56 | 12 | - | M7600-20 | 1.25" SPLIT FLANGE CODE 61 | 900 |
| 8NNT | HS18DB | 8 | 8 | 59.25 | 18.5 | 13.88 | - | M7600-20-20 | 1.5" SPLIT FLANGE CODE 61 | 1090 |
| 8NNDH | HS18DB | 8 | 8 | 59.25 | 18.5 | 13.88 | - | M7600-30 | 1.5" SPLIT FLANGE CODE 61 | 1090 |
| 12NNT | HS18DB | 12 | 10 | 65.56 | 21 | 19.81 | - | M7600-20-20 | 1.5" SPLIT FLANGE CODE 61 | 1570 |

HYDRAULIC SUBMERSIBLES

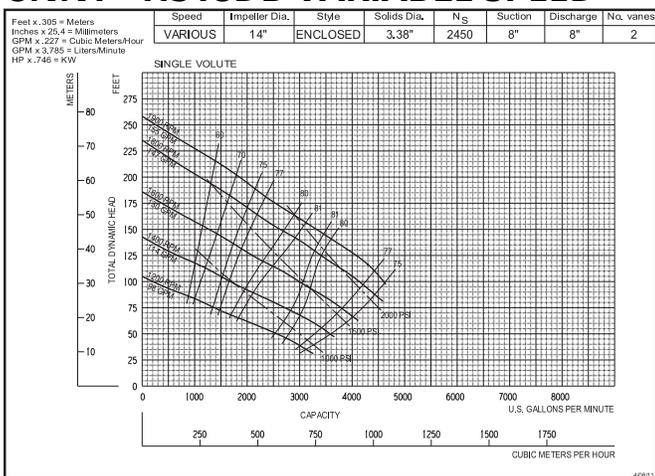
8NNDH - HS18DB VARIABLE SPEED



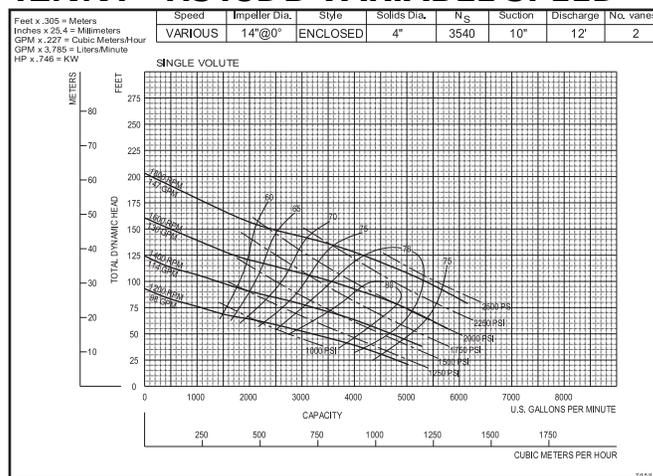
6NHTA - HS18DB VARIABLE SPEED



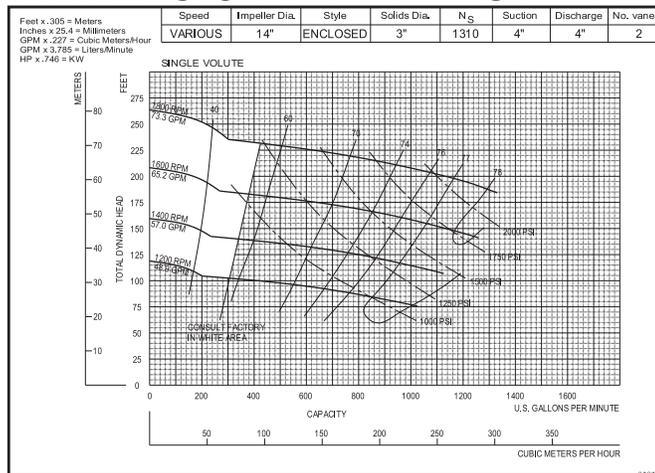
8NNT - HS18DB VARIABLE SPEED



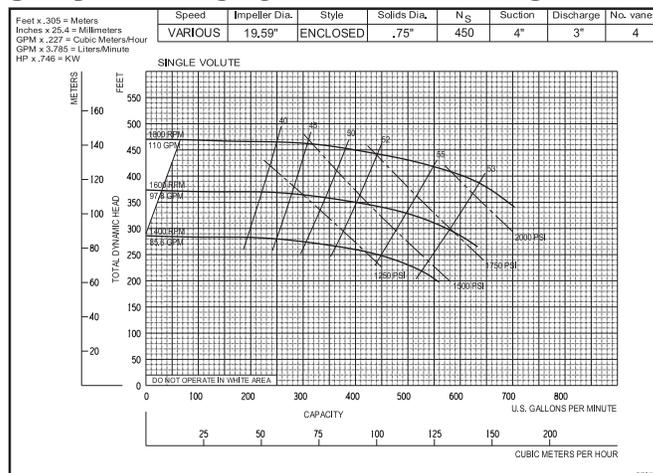
12NNT - HS18DB VARIABLE SPEED



4414T - HS18DB VARIABLE SPEED



3419MX - HS18DB VARIABLE SPEED



CORNELL'S HYDRAULIC SUBMERSIBLE PUMPS EXCLUSIVELY FEATURE: PERMCO MOTORS

FEATURES:

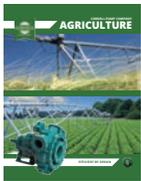
- Heavy duty sleeve bushing design in a medium / small frame
- Working pressure up to 4000 PSI
- Speeds up to 2400 RPM

- Flows up to 150 GPM
- Doweled and high strength cast iron construction
- 100% factory tested
- High strength alloy steel gear and shaft sets
- Pressure balanced wear plates maintain high pump efficiency throughout all operating ranges

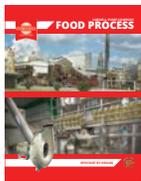




MARKET AND PRODUCT LINE



AGRICULTURAL



FOOD PROCESS



INDUSTRIAL



MINE DEWATERING



MUNICIPAL



REFRIGERATION



OIL & GAS



CYCLOSEAL®



CHOPPER



CUTTER



EDGE™



HYDRAULIC SUBS



HYDRO TURBINE



IMMERSIBLE



MANURE



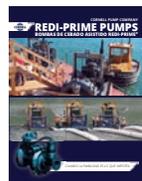
MP SERIES



MX SERIES



MX MINING



REDI-PRIME®



SELF PRIMING



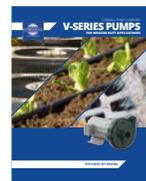
SLURRY



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.

CORNELLPUMP.COM
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Cornell Pump Company
Clackamas, Oregon, USA
P: +1 (503) 653-0330
F: +1 (503) 653-0338

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