



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

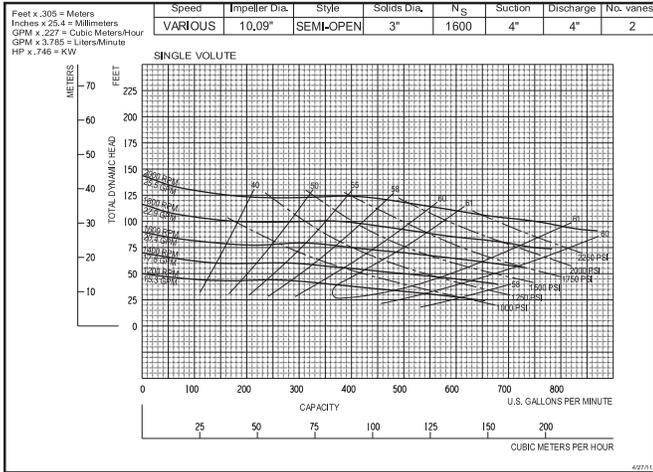


EFFICIENT BY DESIGN

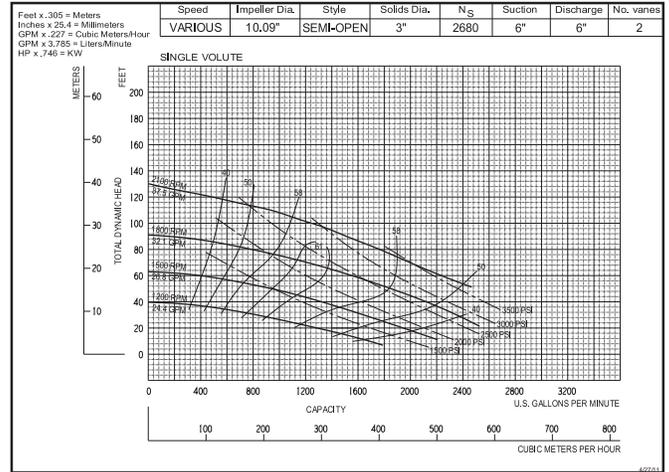


# HYDRAULIC SUBMERSIBLES

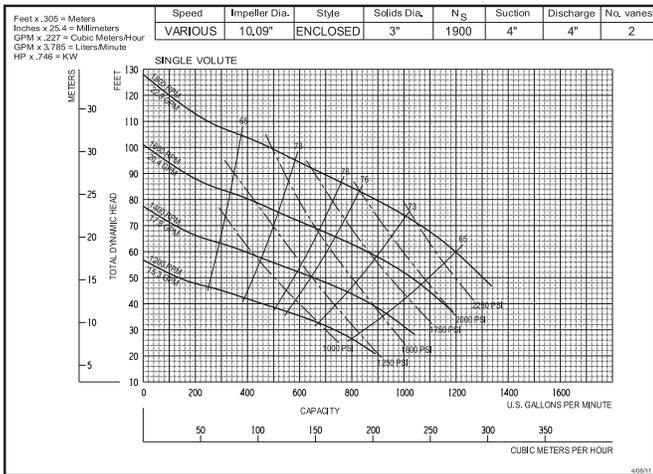
## 4NNDH - HS16 VARIABLE SPEED



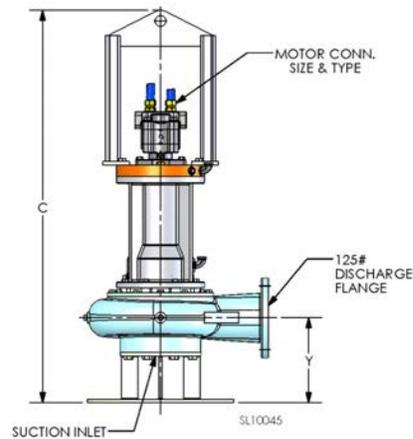
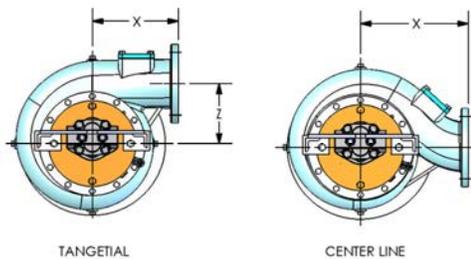
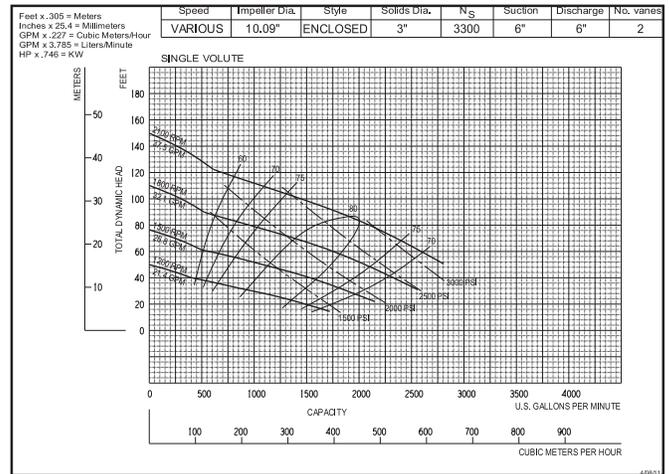
## 6NNDH - HS16 VARIABLE SPEED



## 4NNT - HS16 VARIABLE SPEED



## 6NNT - HS16 VARIABLE SPEED



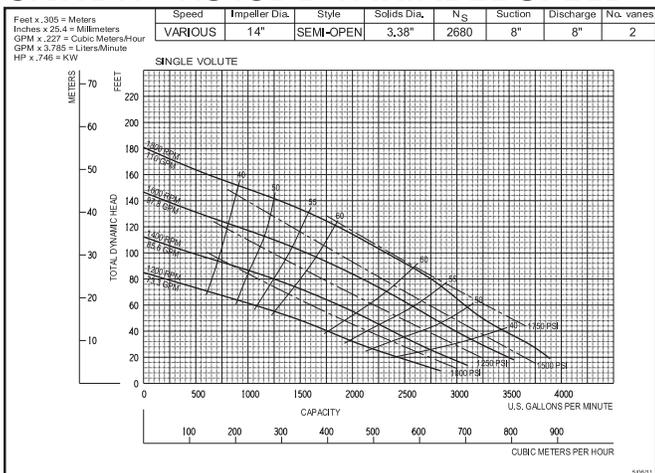
### NOTES:

1. Do not use for construction unless certified.

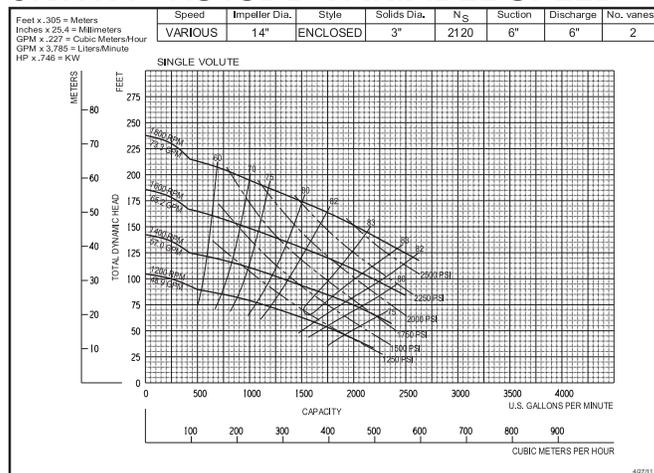
| MODEL  | FRAME  | CONNECTION |       | PUMP DIMENSIONS |       |       |       | MOTOR       | MOTOR CONN. SIZE & TYPE    | WT (LB) |
|--------|--------|------------|-------|-----------------|-------|-------|-------|-------------|----------------------------|---------|
|        |        | DISCH.     | 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

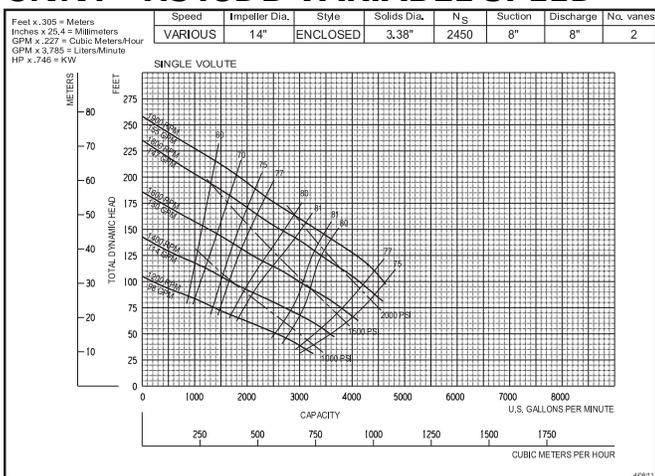
## 8NNDH - HS18DB VARIABLE SPEED



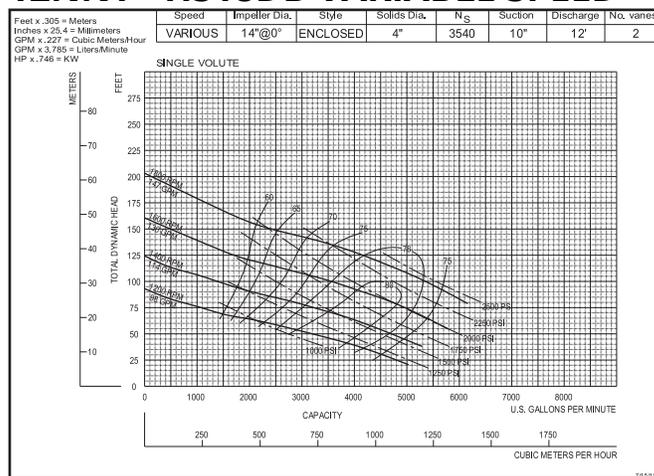
## 6NHTA - HS18DB VARIABLE SPEED



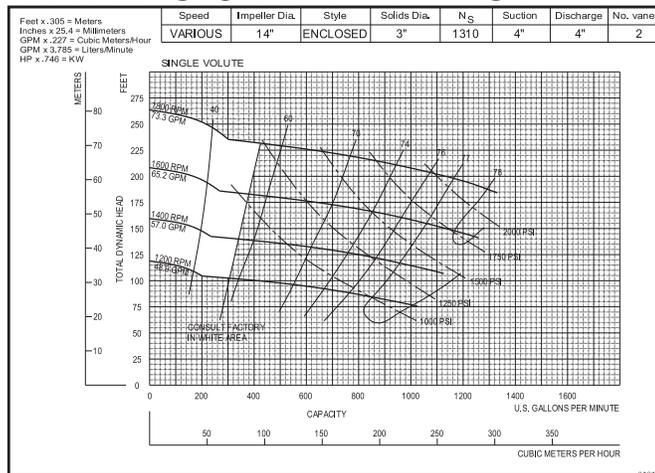
## 8NNT - HS18DB VARIABLE SPEED



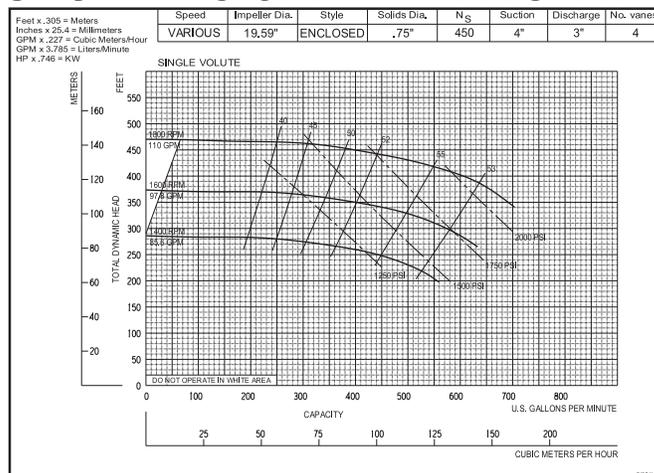
## 12NNT - HS18DB VARIABLE SPEED



## 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



Cycloseal® 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: 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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