

# 6NHTA-CC

**\*NOW STOCKED IN CD4MCu**

## AVAILABLE MOUNTING CONFIGURATIONS

6NHTA-CC CLOSE-COUPLED  
6NHTA-VM VERTICAL CLOSE-COUPLED

## OPERATING LEVELS

|                        |          |                          |
|------------------------|----------|--------------------------|
| <b>MIN FLOW</b>        | 400 GPM  | 90.8 m <sup>3</sup> /h   |
| <b>MAX FLOW</b>        | 2800 GPM | 635.95 m <sup>3</sup> /h |
| <b>DISCHARGE SIZE</b>  | 6"       | 152.4 mm                 |
| <b>SUCTION SIZE</b>    | 6"       | 152.4 mm                 |
| <b>SOLIDS HANDLING</b> | 3"       | 76.2 mm                  |
| <b>MAX SPEED</b>       | 1800 RPM | 1800 RPM                 |
| <b>SHUT-OFF HEAD</b>   | 295'     | 71.63 m                  |
| <b>BEP HEAD</b>        | 170'     | 52 m                     |
| <b>BEP FLOW</b>        | 2529 GPM | 574 m <sup>3</sup> /h    |
| <b>BEP PERCENT</b>     | 83%      | 83%                      |



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                  | STANDARD MATERIAL (ALL IRON)         | CD4MCU                               |
|------------------------|--------------------------------------|--------------------------------------|
| <b>WEAR RING</b>       | CAST IRON                            | CD4MCU                               |
| <b>IMPELLER</b>        | CAST IRON                            | CD4MCU                               |
| <b>VOLUTE</b>          | CAST IRON                            | CD4MCU                               |
| <b>SHAFT</b>           | STRESSPROOF STEEL                    | 17-4PH                               |
| <b>SHAFT SLEEVE</b>    | 416 STAINLESS STEEL                  | 316 STAINLESS STEEL                  |
| <b>BACKPLATE</b>       | CAST IRON                            | CD4MCU                               |
| <b>MECHANICAL SEAL</b> | TUNGSTEN CARBIDE VS. SILICON CARBIDE | TUNGSTEN CARBIDE VS. SILICON CARBIDE |
| <b>BEARING FRAME</b>   | CAST IRON                            | CAST IRON                            |

The 6NHTA pump is designed with Gemstone's renowned quality and durability. It features a 6" discharge, 6" suction, and enclosed impeller. 900/1200/1800 RPM operating speeds. Available in All Iron or CD4MCu materials. Gemstone's patented Cycloseal® design is standard, with a Type 1 or 2 single mechanical seal with Buna-N elastomers, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance.

- Cycloseal is Standard
- Robust Construction
- Two year warranty
- High efficiency •
- Can be fitted with cutters without external dimension change



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



REFRIGERATION

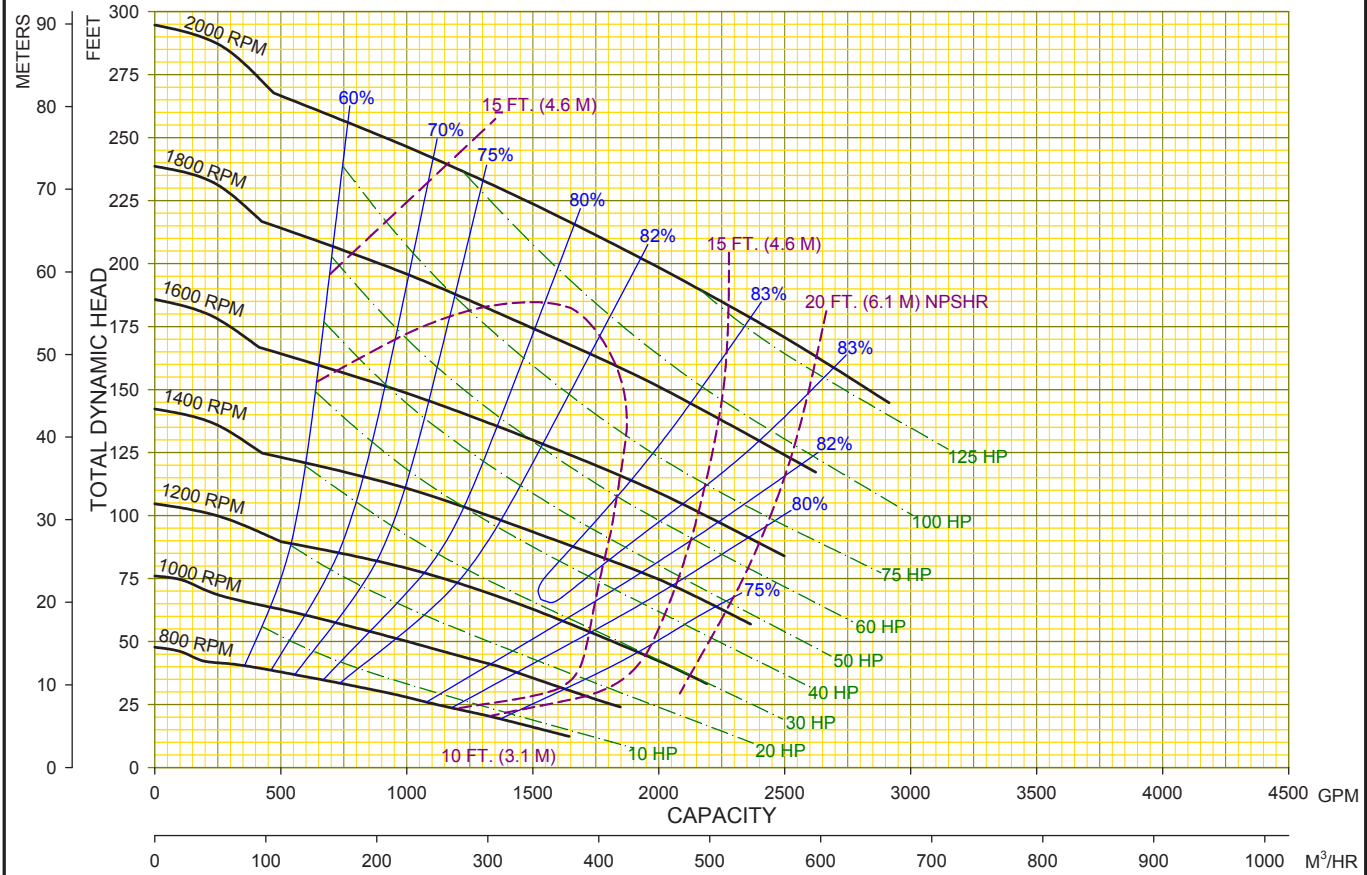


RENTAL



# 6NHTA-CC

|  |         |               |          |        |             |                |         |           |           |
|--|---------|---------------|----------|--------|-------------|----------------|---------|-----------|-----------|
| Performances shown are for S.G. 1.0<br>60°F water, close-coupled configuration.<br>Other mounting styles or S.G.<br>may require curve adjustments. | Speed   | Impeller Dia. | Style    | Volute | Solids Dia. | N <sub>s</sub> | Suction | Discharge | No. Vanes |
|  | VARIOUS | 14.0"         | ENCLOSED | SINGLE | 3"          | 2120           | 6"      | 6"        | 2         |



|                       |    |          |     |                        |                   |
|-----------------------|----|----------|-----|------------------------|-------------------|
| Gemstone Pump Company | 03 | 08/27/15 | CTG | MODEL : 6NHTA          | CURVE NO: 6NHTAVA |
|                       | 00 | 09/15/99 |     | TYPE : SOLIDS HANDLING |                   |