

# 6NHTB



NOW STOCKED IN CD4MCu

### AVAILABLE MOUNTING CONFIGURATIONS

6NHTB-RP-F REDI-PRIME FRAME MOUNT  
 6NHTB-RP-EM REDI-PRIME ENGINE MOUNT  
 6NHTB-F FRAME MOUNT  
 6NHTB-EM ENGINE MOUNT  
 6NHTB-VF VERTICAL FRAME MOUNT  
 6NHTB-VC VERTICAL COUPLED

### OPERATING LEVELS

<b>MIN FLOW</b>	300 GPM	68 m <sup>3</sup> /h
<b>MAX FLOW</b>	4042 GPM	918 m <sup>3</sup> /h
<b>DISCHARGE SIZE</b>	6"	152 mm
<b>SUCTION SIZE</b>	10"	254 mm
<b>SOLIDS HANDLING</b>	3.38"	86 mm
<b>MAX SPEED</b>	1770 RPM	1770 RPM
<b>SHUT-OFF HEAD</b>	348'	106 m
<b>BEP HEAD</b>	219'	67 m
<b>BEP FLOW</b>	3709 GPM	842 m <sup>3</sup> /h
<b>BEP PERCENT</b>	80%	80%



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>	4140/4142 BD	17-4PH
<b>SHAFT SLEEVE</b>	416 STAINLESS STEEL	17-4PH
<b>SUCTION COVER</b>	CAST IRON	CD4MCU
<b>SEAL HOUSING</b>	CAST IRON	CD4MCU
<b>MECHANICAL SEAL</b>	TYPE 2 TUNGSTEN CARBIDE/SILICON CARBIDE	TYPE 2 TUNGSTEN CARBIDE/SILICON CARBIDE
<b>BEARING FRAME</b>	CAST IRON	CAST IRON

The 6NHTB pump is designed with Cornell's renowned quality and durability. It features a 6" discharge, 10" suction, enclosed 2-vane impeller, and a centerline or tangential volute. Frame mount versions use the f-18 bearing frame. Available in All Iron or CD4MCu materials. Cornell's patented Cycloseal® design is standard, with a Type 2 single mechanical seal with tungsten carbide vs. silicon carbide seal faces for abrasion resistance.

- Patented Cycloseal® design
- Redi-Prime® available for fully-automatic continuous priming
- RunDry™ option (Indefinite run dry capability)



AGRICULTURE



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RENTAL

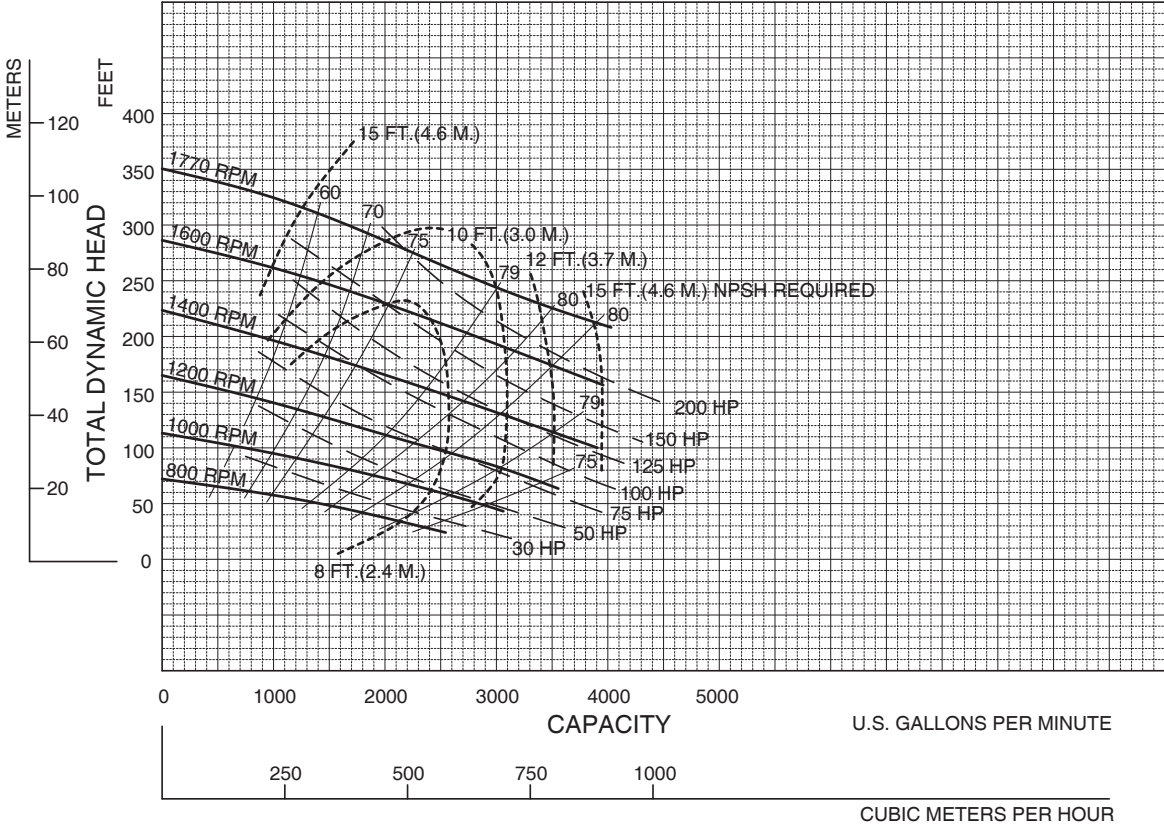
# 6NHTB



Speed	Impeller Dia.	Style	Solids Dia.	N <sub>s</sub>	Suction	Discharge	No. vanes
VARIOUS	17.50"	ENCLOSED	3.38"	1880	10"	6"	2

Feet x .305 = Meters  
 Inches x 25.4 = Millimeters  
 GPM x .227 = Cubic Meters/Hour  
 GPM x 3.785 = Liters/Minute  
 HP x .746 = KW

SINGLE VOLUTE MOUNTING CONFIG.: CC, VM, F, VF, EM, VC



Performances shown are for cool water, close-coupled electric configuration with Cyclopaal™. Other mounting styles or liquids may require horsepower and/or performance adjustments.

NEW PAGE

6NHTBVA

9/99



Cornell Pump Company • Portland, Oregon

6NHTB - VARIOUS RPM