DATA SHEET

4NHTB

CORNELL
EFFICIENT BY DESIGN

***NOW STOCKED IN CD4MCu**

AVAILABLE MOUNTING CONFIGURATIONS

4NHTB-RP-F Redi-Prime®Frame Mount
4NHTB-RP-EM Redi-Prime® Engine Mount
4NHTB-F Frame Mount
4NHTB-EM Engine Mount
4NHTB-VF Vertical Frame Mount

OPERATING LEVELS

MIN FLOW	340 GPM	77.18 m^3/h
MAX FLOW	2000 GPM	454 m^3/h
DISCHARGE SIZE	4"	101.6 mm
SUCTION SIZE	5"	127 mm
SOLIDS HANDLING	3"	7.62 cm
MAX SPEED	2000 RPM	2000 RPM
SHUT-OFF HEAD	470'	143.3 m
BEP HEAD	393'	119.8 m
BEP FLOW	1863 GPM	422.901 m^3/h
BEP PERCENT	70%	70%

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
WEAR RING	CAST IRON	CD4MCU
IMPELLER	CAST IRON	CD4MCU
VOLUTE	DUCTILE IRON	CD4MCU
SHAFT	4140/4142 BD	17-4 PH
SHAFT SLEEVE	416 SS	CD4MCU
SUCTION COVER	CAST IRON	CD4MCU
MECHANICAL SEAL	TUNGSTEN CARBIDE X SILICON CARBIDE	TCXSC
O-RINGS	BUNA N	BUNA N

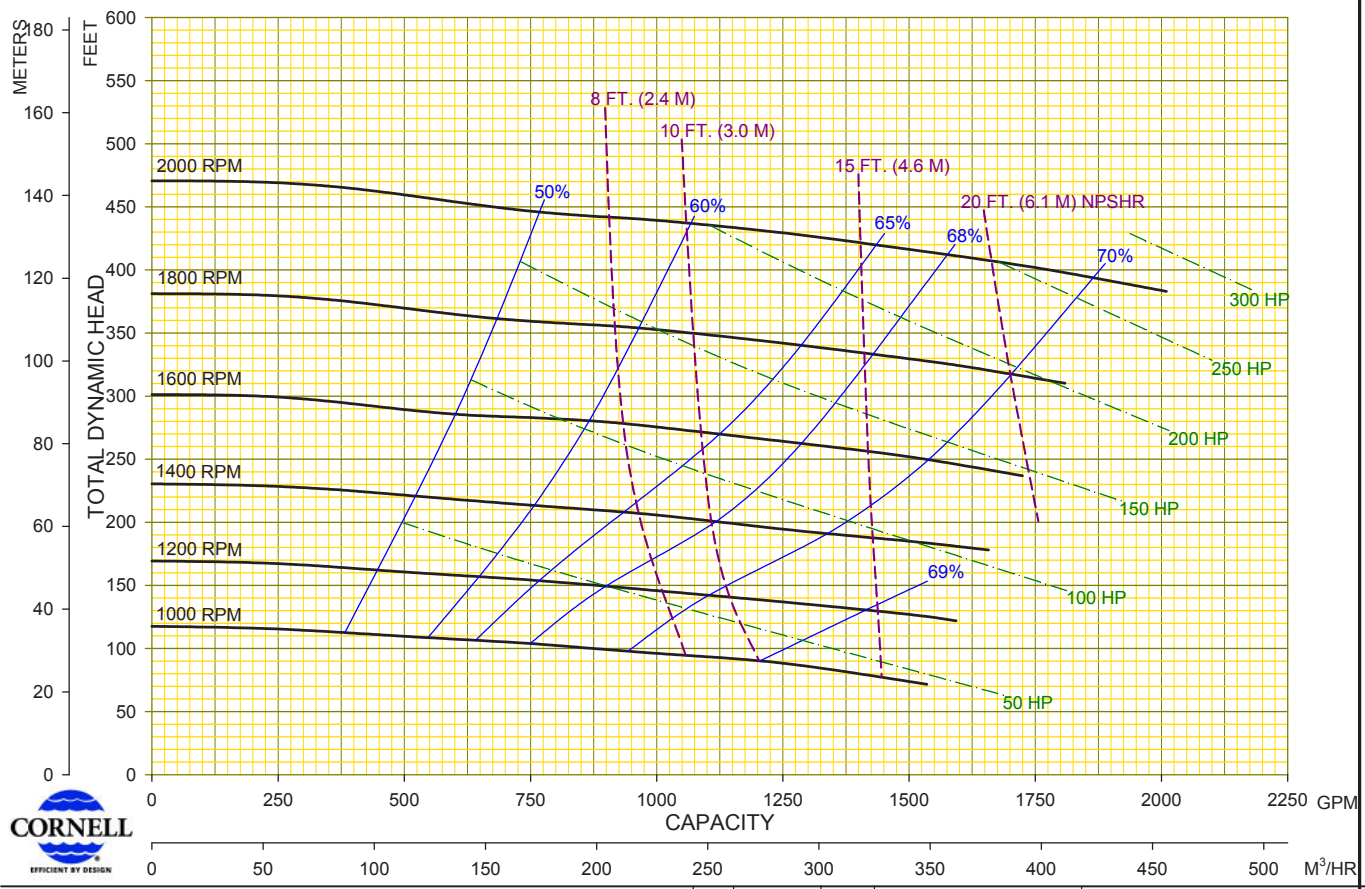
The 4NHTB pump is designed with Cornell's renowned quality and durability. It features a 4" discharge, 5" suction, and enclosed impeller. Available in All Iron or CD4MCu materials. Cornell's patented Cycloseal® design is standard, with a Type 2 single mechanical seal with Buna-N elastomers, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance.

- Excellent NPSHr
- Industry-leading efficiencies
- Variable speed
- Patented Cycloseal® design
- Heavy-duty construction
- RunDry™ option (Indefinite run dry capability)
- Redi-Prime® available for fully-automatic continuous priming

AGRICULTURE FOOD INDUSTRIAL MINING MUNICIPAL OIL & GAS REFRIGERATION RENTAL

4NHTB

Performances shown are for S.G. 1.0 60°F water, frame mounted configuration. with Cycloseal. Other mounting styles or S.G. may require curve adjustments.	Speed	Impeller Dia.	Style	Volute	Solids Dia.	N_S	Suction	Discharge	No. Vanes
	VARIOUS	17.50"	ENCLOSED	SINGLE	3.00"	980	5"	4"	2



Cornell Pump Company • Clackamas, Oregon				MODEL : 4NHTB TYPE :SOLIDS HANDLING	CURVE NO: 4NHTBVA
	01	09/18/15	CTG		
	00	07/17/00			

DS097-1609-GE