



## DIESEL/ELECTRIC DRIVEN SELF-PRIMING DEWATERING PUMP 50-30-70HP CORNELL

The Cornell 50-30 is a robust, reliable and high performance pumping solution capable of handling the harshest of conditions with ease. Renowned for its durability and performance, the Cornell 50-30 is the right choice when you need a solution that will deliver day-in and day-out.

### KEY FEATURES

- Extremely low fuel usage
- Lower maintenance costs
- Super fast and strong dry prime
- Duplex stainless steel impeller & wear parts
- Simple maintenance
- Powered by Cummins

### ENGINE SPECIFICATIONS

Engine	Cummins QSF2.8T
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### PUMP SPECIFICATIONS

Pump	Cornell 4NNT
Max. Flow	90 L/s
Discharge Size	100mm
Suction Size	150mm
Solids Handling	75mm
Max. Speed	2000 rpm
Max. Head	45m

### MATERIALS OF CONSTRUCTION

Wear Ring	Duplex Stainless Stainless Steel
Impeller	Duplex Stainless Stainless Steel
Volute	Cast Iron
Shaft	Stainless Steel with Replaceable Shaft Sleeve
Mechanical Seal	Cyclosed Silicon Carbide Run Dry
Bearings	Double Angular Contact



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SUPERSEDES 5/10/02

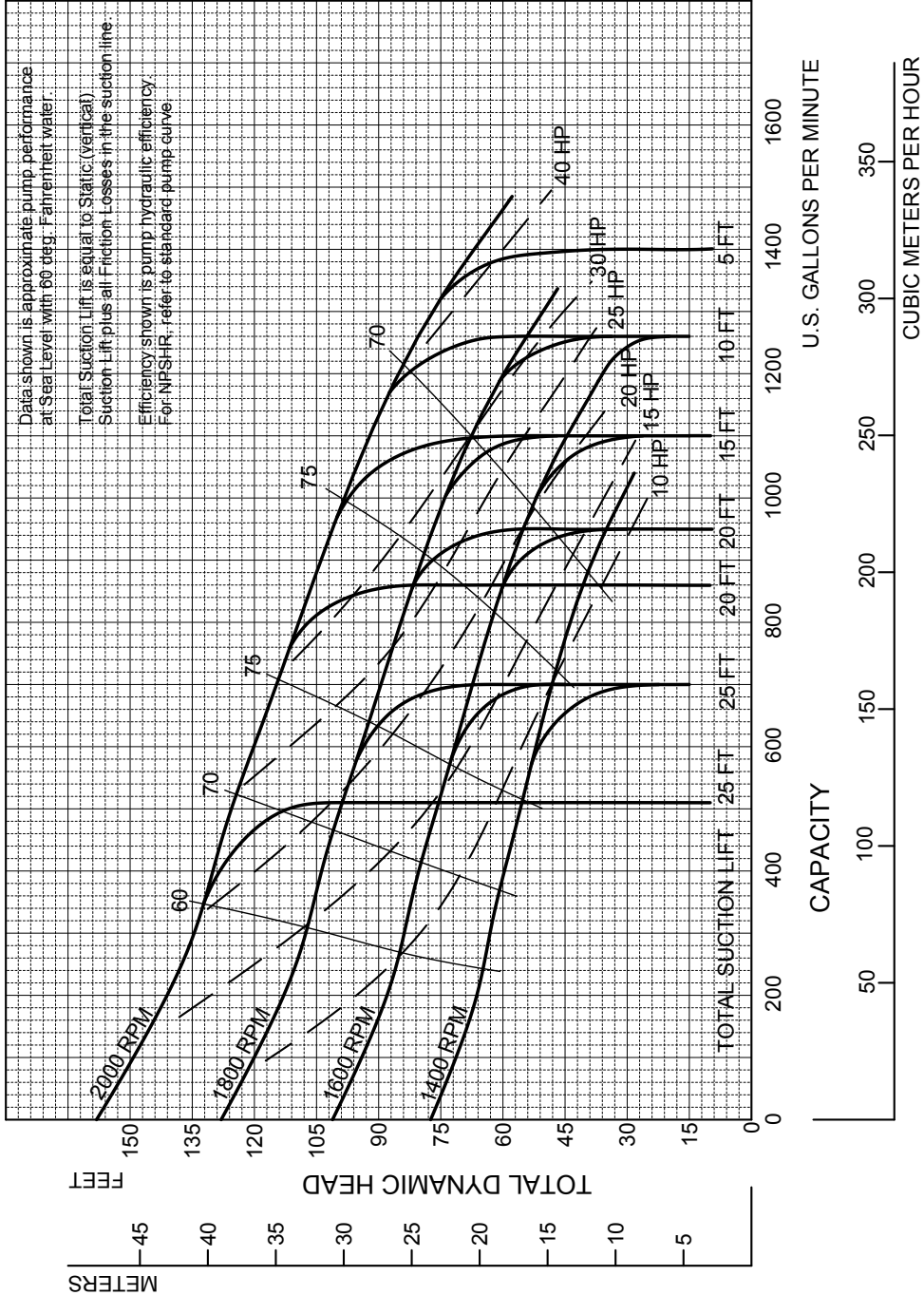
4NNTRPV

Speed	Impeller Dia.	Style	Solids Dia.	N <sub>S</sub>	Suction	Discharge	No. vanes
VARIOUS	10.09"	ENCLOSED	3.0"	1900	6"	4"	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

MOUNTING CONFIG.: F, EM

SINGLE VOLUTE



Add 1.5 HP for belt driven diaphragm vacuum pump. Performance curve does not include discharge check valve losses.  
 Performances shown are for cool water, frame mounted configuration with Cyclo seal.  
 Other liquids or mounting configurations may require performance adjustments.

6/18/02

4NNT REDI • PRIME<sup>®</sup> - VARIOUS RPM

Cornell Pump Company • Portland, Oregon

