



## DIESEL/ELECTRIC DRIVEN SELF-PRIMING DEWATERING PUMP 70-80-100HP CORNELL

The Cornell 70-80-100 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 70-80-100 is the right choice when you need a solution that will deliver day-in and day-out.

### KEY FEATURES

- High Efficiency
- Cycloseal Sealing System
- Low NPSHr
- Robust Construction
- Can be fitted with cutters without external dimension change

### ENGINE SPECIFICATIONS

Engine	Cummins QSB4.5
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### PUMP SPECIFICATIONS

Pump	Cornell 4414T
Max. Flow	320 m <sup>3</sup> /h
Discharge Size	102 mm
Suction Size	102 mm
Solids Handling	76 mm
Max. Speed	2000 rpm
Shut-Off Head	100 m
BEP Head	70 m
BEP Flow	320 m <sup>3</sup> /h
BEP Percent	78%

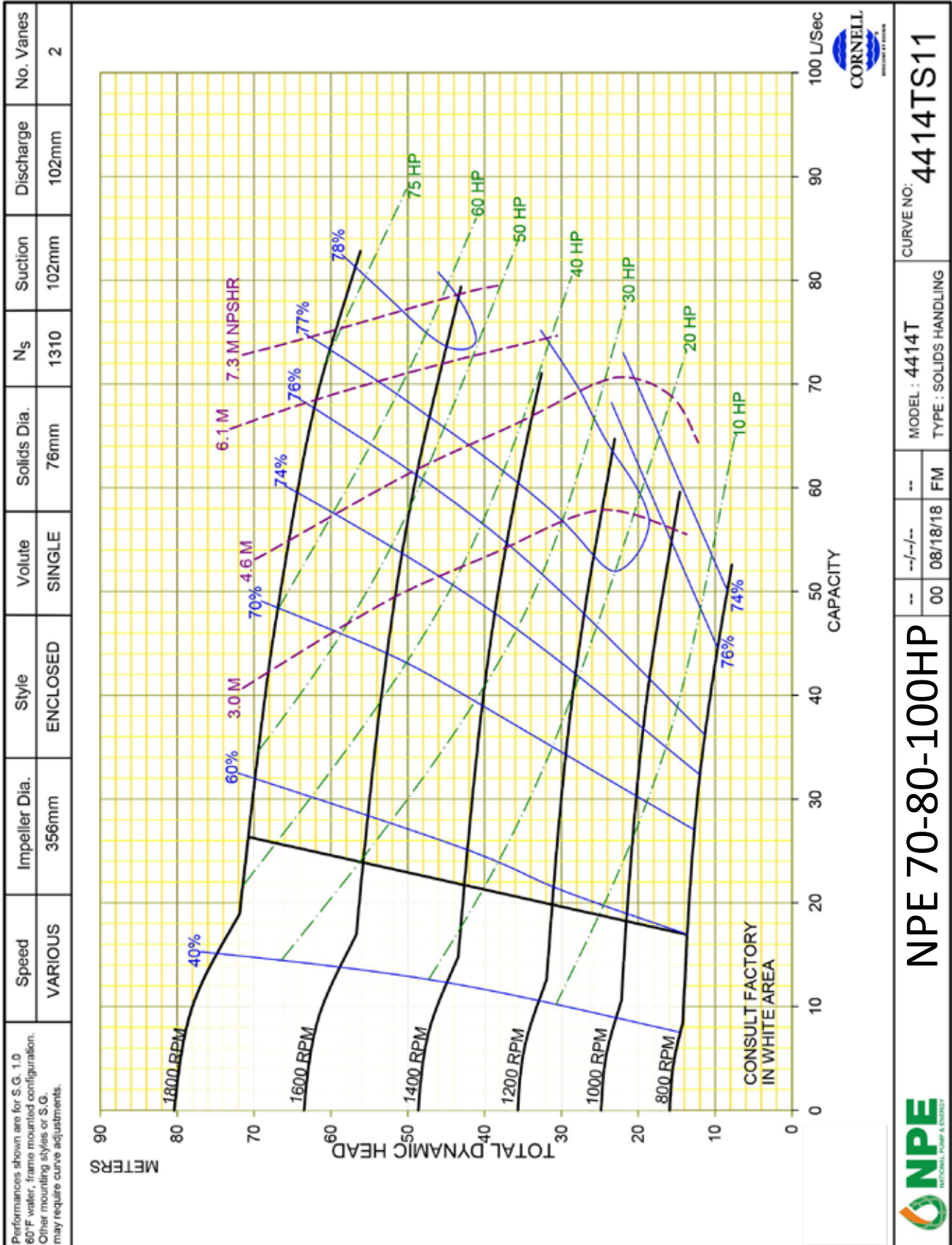
### MATERIALS OF CONSTRUCTION

Wear Ring	Cast Iron
Impeller	Cast Iron
Volute	Ductile Iron
Shaft	17-4 Ph Stainless Steel
Shaft Sleeve	416 Stainless Steel
Backplate	Cast iron
Mechanical Seal	Tungsten Carbide vs. Silicon Carbide
Bearing Frame	Cast Iron





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<b>NPE</b> <small>NATIONAL PUMP &amp; ENERGY</small>	<b>NPE 70-80-100HP</b>	MODEL : 4414T TYPE : SOLIDS HANDLING	CURVE NO: <b>4414TS11</b>
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