



DIESEL/ELECTRIC DRIVEN SELF-PRIMING DEWATERING PUMP 1000-70-1200HP CORNELL



The Cornell 1000-70-1200 Cornell 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 1000-70-1200 is the right choice when you need a solution that will deliver day-in and day-out.

KEY FEATURES

- Robust solids handling capability
- Premium hydraulic efficiency
- Cycloseal® design mechanical seal
- Heavy-duty construction
- RunDry™ option
- Double volute
- Redi-Prime® fully automatic self-priming; dry priming available



ENGINE SPECIFICATIONS

Engine	Cummins QSK60
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PUMP SPECIFICATIONS

Pump	Cornell 18NHG
Min. Flow	252 L/s
Max. Flow	1514 L/s
Discharge Size	450 mm
Suction Size	450 mm
Solids Handling	115 mm
Max. Speed	900 rpm
Shut-off Head	98 m
BEP Head	67 m
BEP Flow	1061 L/s
BEP Efficiency	85%

MATERIALS OF CONSTRUCTION

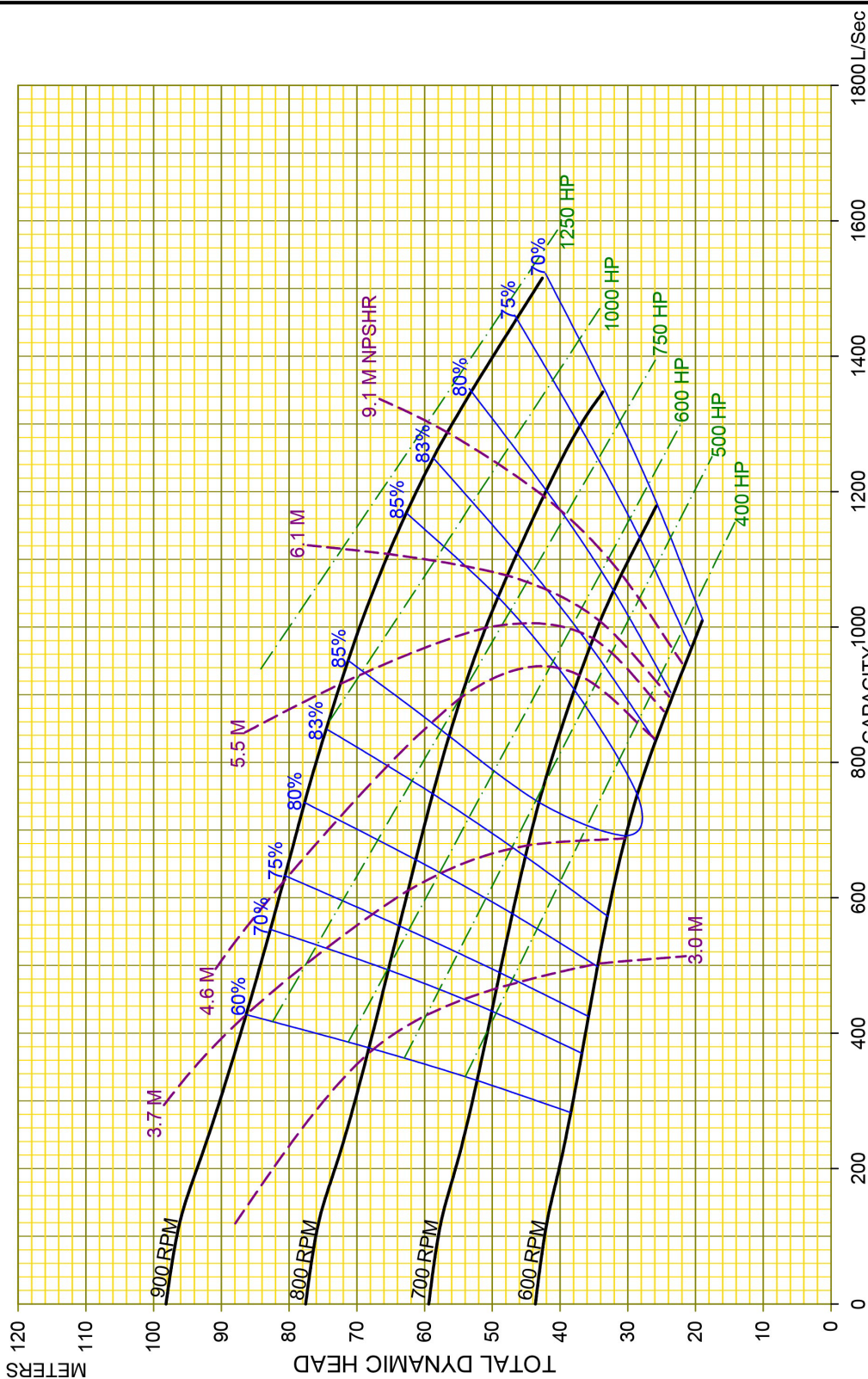
Wear Ring	Cast Iron
Impeller	Ductile Iron
Volute	Ductile Iron
Shaft	17-4PH Steel
Shaft Sleeve	416 Stainless Steel
Suction Cover	Ductile Iron
Mechanical Seal	Tungsten Carbide vs. Silicon Carbide
Bearing Housing	-
Bearing Frame	Cast Iron





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Performances shown are for S.G. 1.0 60°F water, frame mounted configuration. Other mounting styles or S.G. may require curve adjustments.	Speed	Impeller Dia.	Style	Volute	Solids Dia.	N _s	Suction	Discharge	No. Vanes
	VARIOUS	34.00"	ENCLOSED	DOUBLE	4.5"	2030	18"	18"	3



NPE NATIONAL PUMP & ENERGY	NPE 1000 - 70 - 1200HP		MODEL: 18NHGH34	CURVE NO: 18NHG34V18
	00	08/14/18	FM	TYPE: SOLIDS HANDLING

