

CORNELL PUMP COMPANY

SUBMERSIBLES



SUBMERSIBLE PUMP FEATURES

CAPACITIES FROM 80 GPM TO 15,000 GPM AND HEADS FROM 10 FEET TO 400 FEET GIVE CORNELL A CLEAR PERFORMANCE ADVANTAGE.



RELIABLE MOTOR

At Cornell, we understand the need for reliability, durability, and efficiency. This is why we have coupled our pumps with the most reliable and durable submersible motors on the market. Cornell motors are FM approved and suitable for Class I, Division I, Group C & D, explosion-proof service, and are inverter duty. Non-wicking, Permanently numbered leads are potted into a separate cable cap assembly, preventing leakage to the stator. Thermostats protect Cornell motors and utilize class F insulation. Dual moisture probes are installed for the early detection of seal failure. Heavy Duty ball bearings are standard.



GLYCOL-FILLED, CLOSED LOOP COOLING

When necessary, Cornell Submersibles can be furnished with a cooling jacket and heat exchanger filled with glycol that will protect the motor from overheating during extended periods of low-liquid level operation or when handling high-temperature liquids. Cooling jackets are available on pumps ranging from 10 to 125 horsepower.



RUGGED CONSTRUCTION

Cornell's submersible pumps come standard with heavy-wall volutes for extended life under abrasive service conditions and smooth passage impellers for optimal hydraulic efficiency. They reduced operating costs, plus replaceable wear rings and back pull-out design for ease of maintenance. Standard casing and impeller construction is ASTM A48, Class 30 Cast Iron. Special materials are available for high corrosion or abrasive pumpage.



HIGH-TEMPERATURE PROTECTION

Motor Temperature protection is embedded in the stator windings to shut the motor down in case of abnormally high temperatures.



EXCELLENT EFFICIENCIES

Cornell's submersible pumps feature high-efficiency pump ends used successfully in municipal applications. Combined with top-quality motors, our submersible product line offers excellent value. In short, Cornell Submersible Pumps provide cost-effective operation.

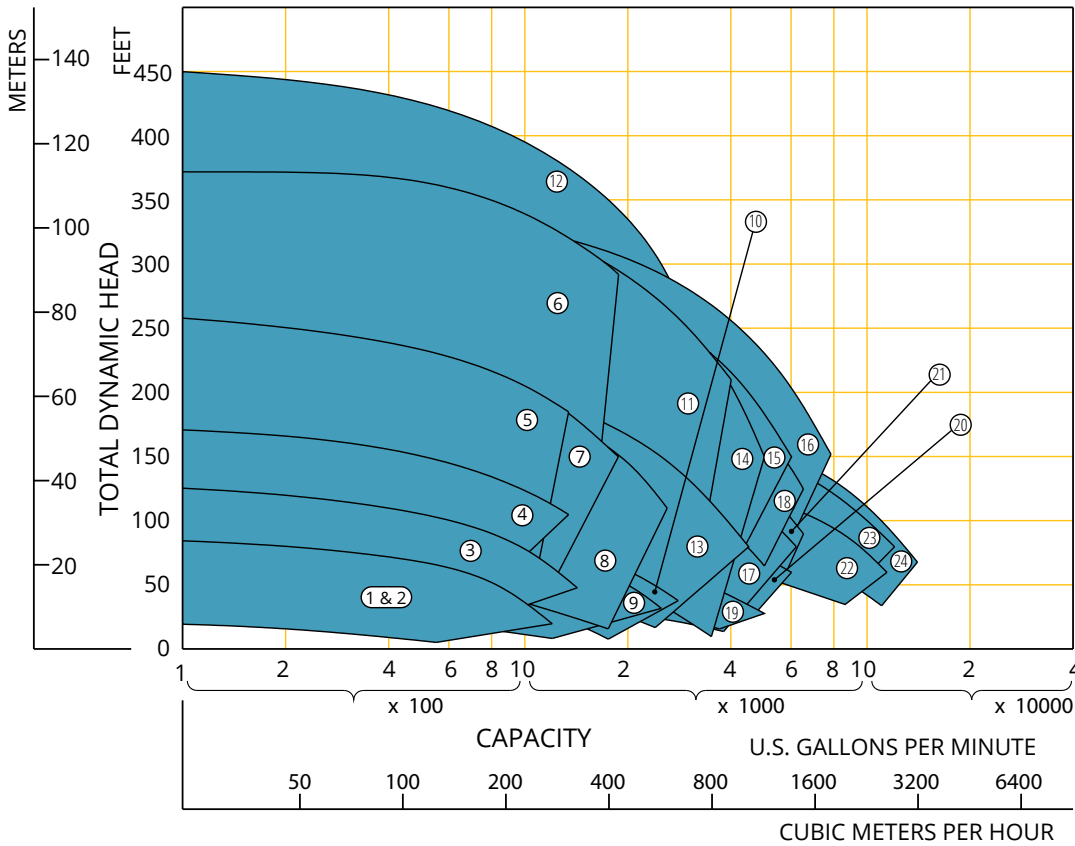


LONG LIFE MECHANICAL SEALS

Each pump is supplied with Tungsten mechanical seals and an oil reservoir with moisture sensor probes to provide maximum protection against damage from leakage. The lower seal is carbon vs. ceramic.

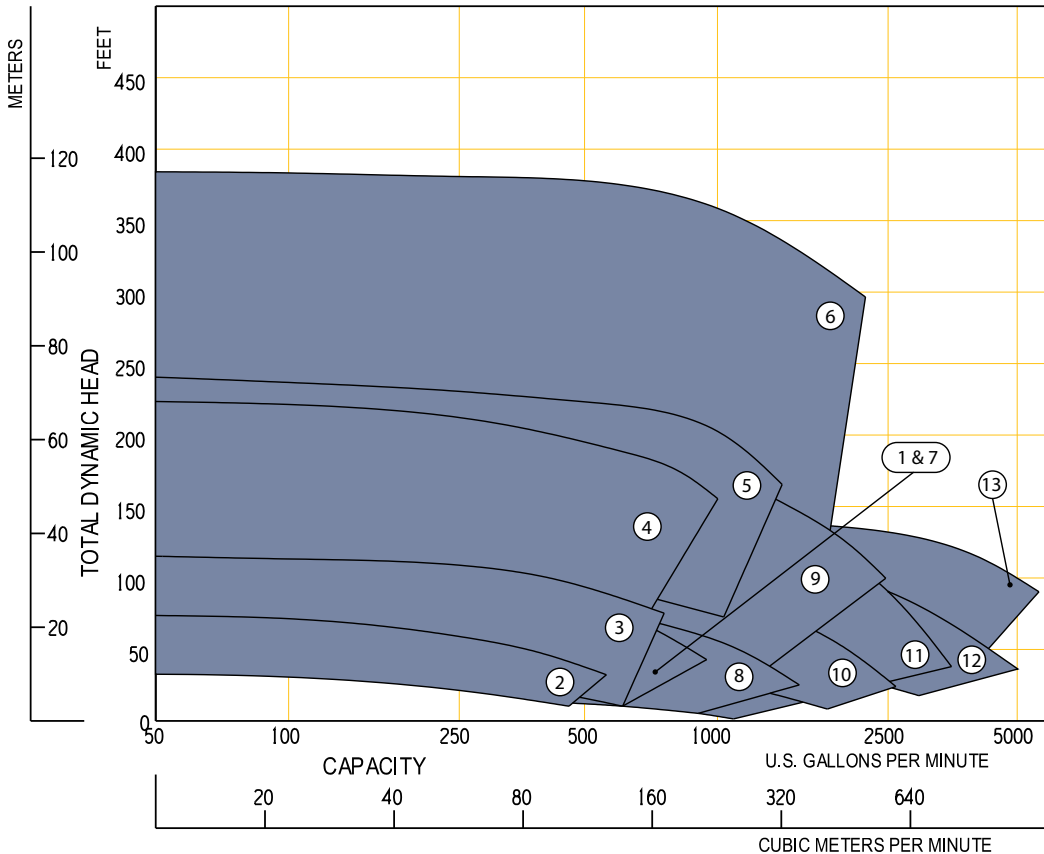
Cycloseal® available on some models. Learn more at:
<http://www.cornellpump.com/cycloseal-system/>

PERFORMANCE CURVES



NON-CLOG SUBMERSIBLES

- | | |
|-------------|------------|
| 1. 3NNTL | 18. 10NHTA |
| 2. 4NNTL | 19. 12NHTL |
| 3. 4NNT | 20. 12NHTM |
| 4. 4NHTA | 21. 12NNT |
| 5. 4414T | 22. 14NNG |
| 6. 4NHTB | 23. 14NHGA |
| 7. 4514T | 24. 16NHGH |
| 8. 6NHTA | |
| 9. 6NNT | |
| 10. 6NHT/TH | |
| 11. 6NHTB | |
| 12. 6NHTB19 | |
| 13. 8NNT | |
| 14. 8NHTA | |
| 15. 8NHTR | |
| 16. 10NNT | |
| 17. 10NHTB | |



DELTA SUBMERSIBLES

- | |
|------------|
| 1. 3NLHM |
| 2. 4NLDL |
| 3. 4NNDH |
| 4. 4NHDDH |
| 5. 4NHM |
| 6. 4NHM17 |
| 7. 4NLHM |
| 8. 6NHDDH |
| 9. 6NHM |
| 10. 6NNDH |
| 11. 8NNDH |
| 12. 10NNDH |
| 13. 10NHM |



AGRICULTURE



FOOD PROCESS



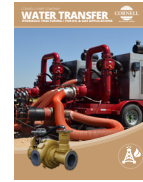
INDUSTRIAL



MINING



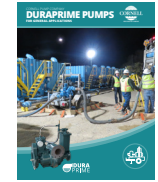
MUNICIPAL



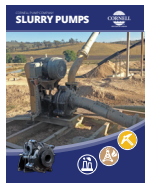
WATER TRANSFER



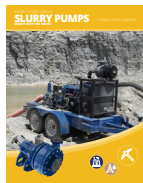
REFRIGERATION



CONSTRUCTION



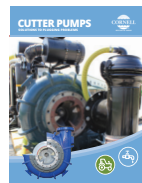
SLURRY



SLURRY SM



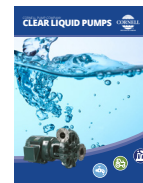
MANURE



CUTTERS



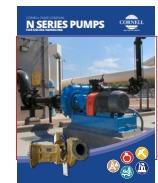
SELF PRIMING



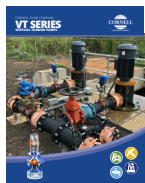
CLEAR LIQUIDS



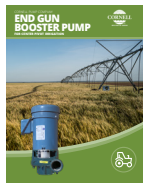
MX SERIES



N SERIES



CYCLONE™



EDGE™



HYDRAULIC SUBS



IMMERSIBLE



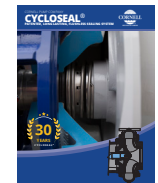
CD4MCU



RUN-DRY™



PRIMING SYSTEMS



CYCLOSEAL®

Cycloseal® and Redi-Prime® are Registered Trademarks of Cornell Pump Company.

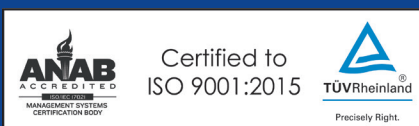
Cornell pumps and products are the subject of one or more of the following U.S. and foreign patents:

6,074,554; 6,036,434; 6,079,958; 6,309,169; 6,104,949.

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