



CORNELL PUMP COMPANY

BLENDER PUMP

HEAVY DUTY FRAC FUSION PUMP



EFFICIENT BY DESIGN





BLENDER PUMP

CORNELL'S HEAVY DUTY FRAC FUSION BLENDER PUMP

PART OF THE SB SERIES

Robust Cornell-build for Frac Sand conveyance, mixture prep, and deployment. Exceeding industry expectations for wear life, reliability, performance, and versatility.

Frac sand blender applications, by their nature and design, are abrasive and corrosive. Standard centrifugal pumps may not be up to the task, but the Cornell SB Series Frac Fusion Blender Pump is anything but standard. Made from a specially formulated high chrome white iron, the pump has been optimized to produce superior erosion, corrosion, and cavitation resistance against even the toughest applications. The results are a design that beats the competition and capable of achieving 500M pounds of sand pumped before a wear related overhaul is needed.

The SUPER robust Frac Fusion pump's construction is designed for extreme applications and includes replaceable front/rear wear plates with optional external adjustability to maximize pump performance, wear life, and extended run time without the need to remove the pump from service.



■ POPULAR SIZES

14" & 12" suction (dual drill option available), and 8" discharge are dimensionally compatible with the Mission Magnum XP 12x14, the Westpower Silverback, and Curflo 350XL in order to facilitate blender retrofits.

■ SOLIDS HANDLING & EFFICIENCY

Closed impeller design with solids handling to 3.5" (9cm) significantly improves wear performance and sand handling capacity, especially with higher density sand mixes.

■ EFFICIENCIES

Up to 74% and a low NPSHR at 10' (3.1M) are the result of a more resilient pump capable of withstanding upsets in suction conditions and generating higher performance with less power.

■ ROBUST CONSTRUCTION

Double row bearings on both the pump and drive end provide the ultimate protection against high radial and axial thrust loads. An extra heavy shaft with a low L/D ratio maximizes mechanical seal reliability and uptime by minimizing deflection at the seal face.

■ EXPELLER SEAL AND NO-FLUSH MECHANICAL SEAL OPTIONS

Maximize operating life and reduce risk of untimely failure. Cornell's Cycloseal® system requires no external flush water and expels both air and solids to prolong seal life.

■ BETTER HYDRAULICS

Improved hydraulics compared to competition mean Higher Flows, Higher Pressures, and Longer Operating Life. Cornell's blender pump beats the competition on every point with higher flows up to 200 BPM, 35% higher pressures to 188 psi, and operating speeds 15% lower than the competition. That means SUBSTANTIALLY reducing wear rates to extend operating life and to move more lbs of sand.

■ RUN DRY

Includes Cornell's oilfield proven Run-Dry® system to ensure constant lubrication and maximum protection of the mechanical seal during extreme operation, thermal shocks, and intermittent dry run conditions.

■ EASE OF OPERATION

NPSH and curve characteristics allow for a wide range of flows, and impressive BEP affords you a large operating range envelope. Users can run Frac Fusion more efficiently at wide conditions than the competition.

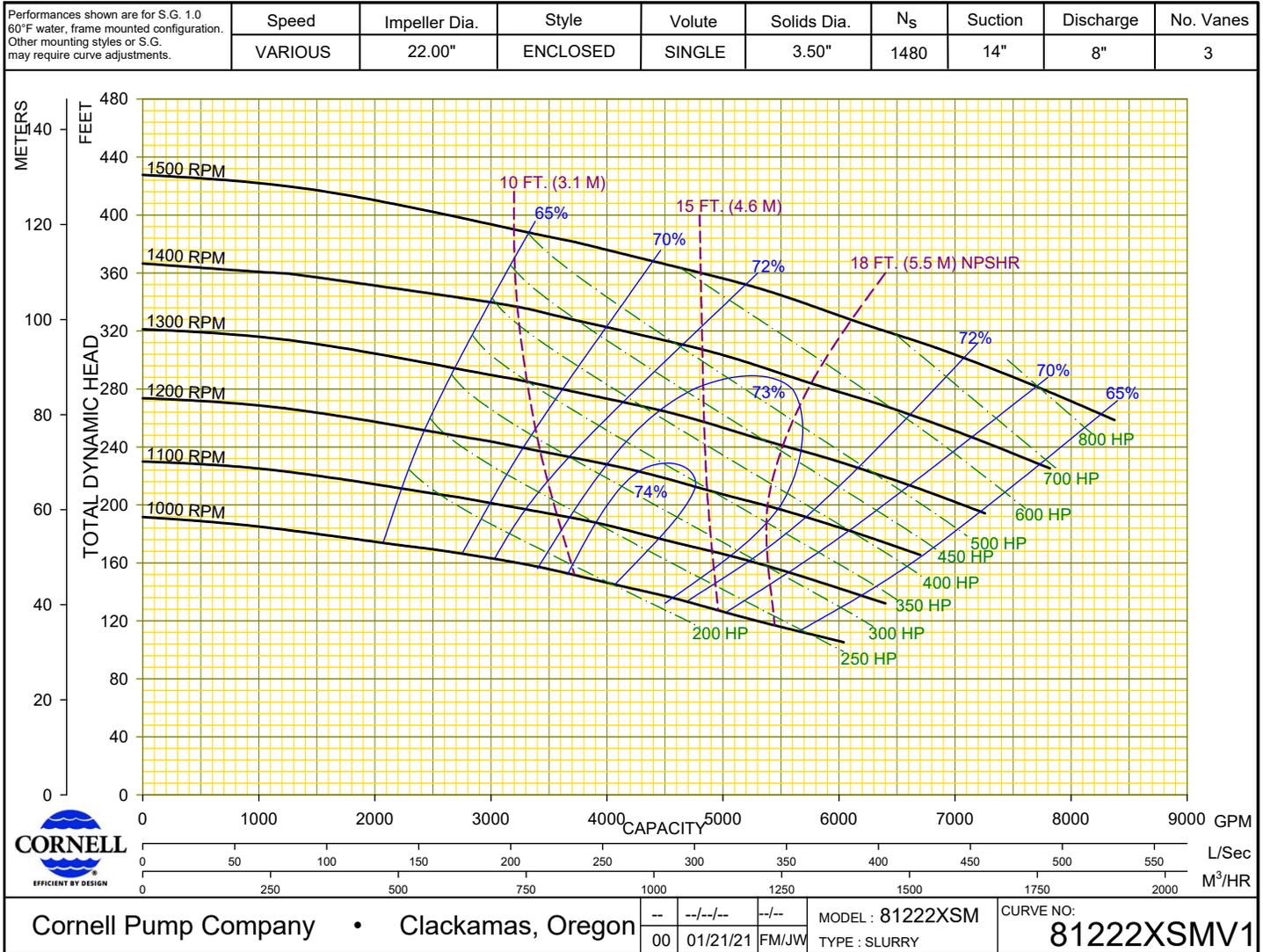
■ MAINTENANCE FRIENDLY

Back pull-out design allows for maintenance to be performed more easily in the field—though with the Expeller or Cycloseal® you'll need less maintenance than the competition. Less time spent on maintenance means more uptime, and less operating expense.

CO-PILOT MONITORING

The Cornell Co-Pilot™ provides remote monitoring and operation of the SB Series to improve pumping efficiency, extend operating life, and increase reliability. Real-time alerts also minimize unplanned interruptions and allow teams to determine and

address potential premature equipment failures before they occur in the field. The Co-Pilot gets the right information to the right person in order to make the right decision at the right time and deliver a new level of reliability and performance of your equipment.



PUMP SPECIFICATIONS

FLOWS	Up to 200 BPM / 8,400 GPM / 1905 m ³ /h
HEADS	Up to 440' / 134M (188 PSI) 300 psi case pressure rating
WIDE OPERATION RANGE	Operable from 1,000 to 1,500 RPM with 250 to 1,500 HP drive

Learn more about this heavy-duty blender pump today and how it can be perfect for your application:

BLENDER@CORNELLPUMP.COM



MARKET AND PRODUCT LINE



AGRICULTURE



FOOD PROCESS



INDUSTRIAL



MINING



MUNICIPAL



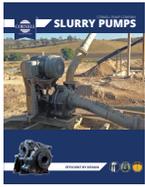
WATER
TRANSFER



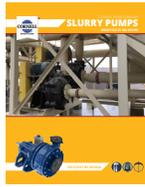
REFRIGERATION



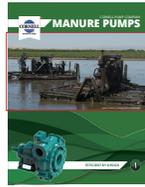
CONSTRUCTION



SLURRY



SLURRY SM



MANURE



CUTTERS



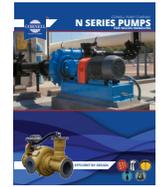
SELF PRIMING



HIGH FLOW



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.

CORNELLPUMP.COM

©2021 CORNELL PUMP COMPANY

AUTHORIZED CORNELL PUMP DISTRIBUTOR



Certified to
ISO 9001:2015



Cornell Pump Company
Clackamas, Oregon, USA
P: +1 (503) 653-0330
F: +1 (503) 653-0338