

6820SM

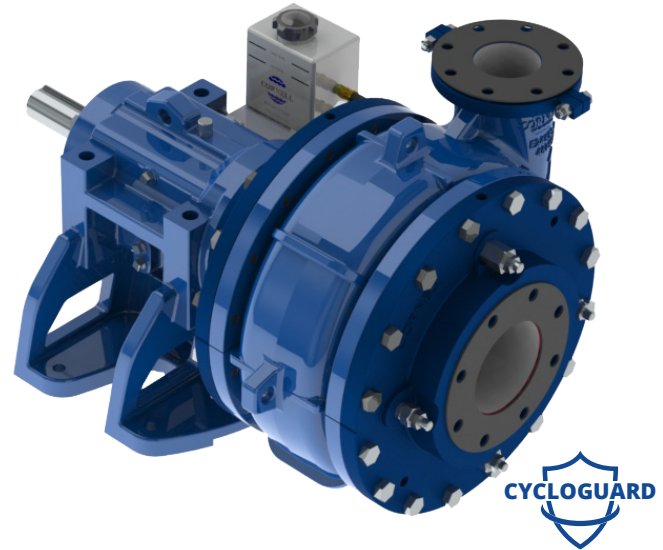


AVAILABLE MOUNTING CONFIGURATIONS

6820SM-RP-F REDI-PRIME FRAME MOUNT
6820SM-F FRAME MOUNT

OPERATING LEVELS

MIN FLOW	500 GPM	113.6 m ³ /h
MAX FLOW	6000 GPM	1363.6 m ³ /h
DISCHARGE SIZE	6"	150 mm
SUCTION SIZE	8"	200 mm
SOLIDS HANDLING	2.5"	63.5 mm
MAX SPEED	1600 RPM	1600 RPM
SHUT-OFF HEAD	390'	118.9 m
BEP HEAD	355'	108.2 m
BEP FLOW	4050 GPM	919.9 m ³ /h
BEP PERCENT	69%	69%



A typical picture of the pump is shown. Please contact Cornell Pump Company for further details. All information is approximate and for general guidance only.

PARTS	HIGH CHROME
IMPELLER	CHROME IRON
VOLUTE	CHROME IRON
VOLUTE CASING	CHROME IRON
SHAFT	4140 STEEL
SHAFT SLEEVE	420 STAINLESS STEEL
SUCTION COVER	DUCTILE IRON
WEAR PLATE	CHROME IRON
BACKPLATE	CHROME IRON
EXPELLER (OPTIONAL)	CHROME IRON

The 6820SM pump is designed with Cornell's renowned quality and durability. It features a 6" discharge, 8" suction, and enclosed impeller. The pump body construction is high-chrome white iron. Cornell's patented Cyclo Seal® design with Cycloguard™ is standard, with a Type 2 single mechanical seal with FKM elastomers, and tungsten carbide vs. silicon carbide seal faces for abrasion resistance. The bearing frame includes tapered roller bearings. Multiple gland seal options: Cyclo Seal - standard. Optional - Packed gland arrangements, expeller seal and double mechanical seal.

- Five-vane impeller for high efficiency
- Infinitely variable volute and discharge position
- Grease or oil lubricated bearing frame
- Ideal for series pumping applications
- Back pullout design to simplify maintenance
- Cycloguard(TM) to reduce inlet recirculation



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



REFRIGERATION



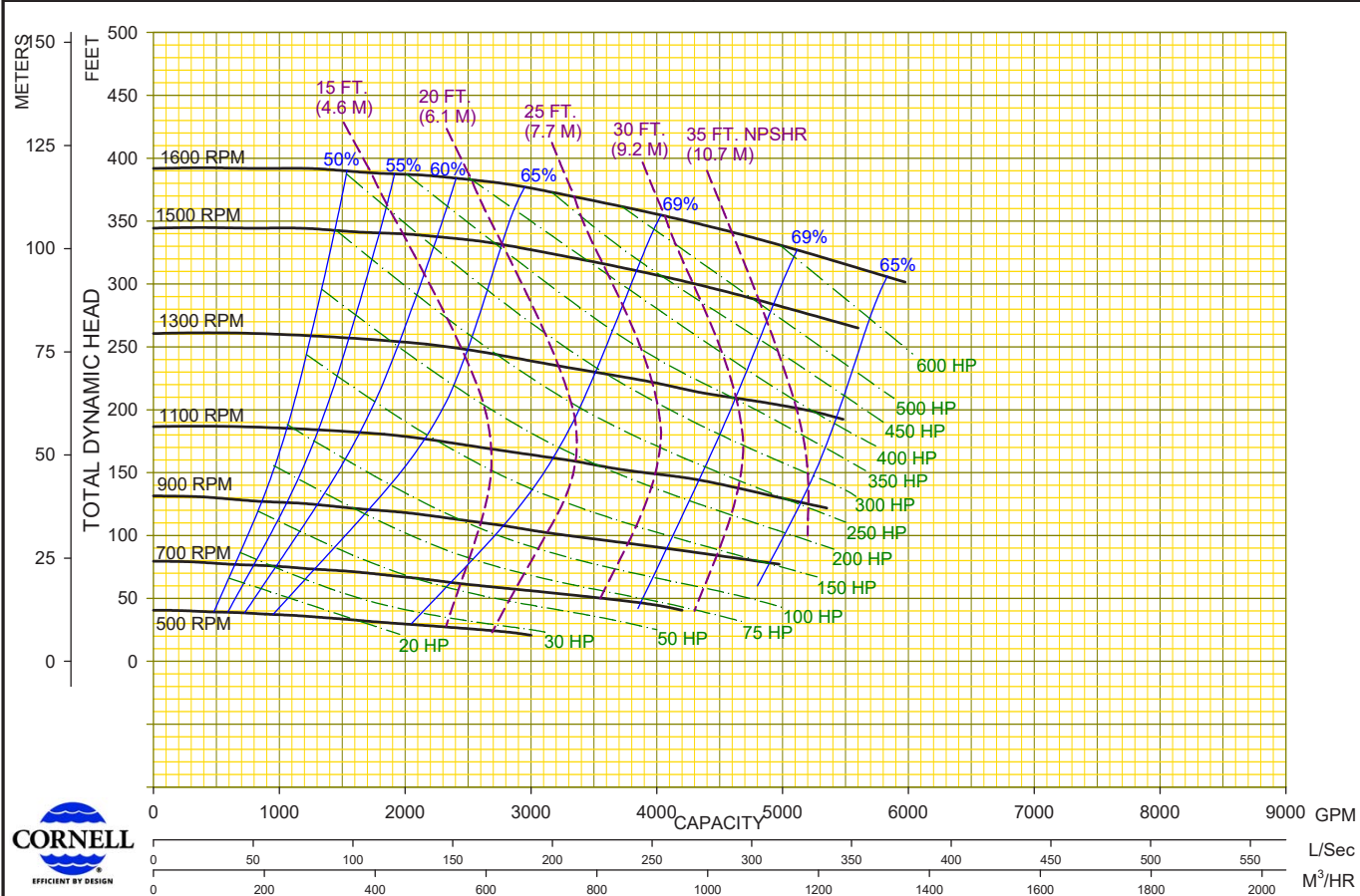
RENTAL

6820SM



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	20.0" (508mm)	ENCLOSED	SINGLE	2.5" (64mm)	1300	8" (200mm)	6" (150mm)	5



Cornell Pump Company • Clackamas, Oregon	01	02/24/20	FM/JW	MODEL: 6820SM	CURVE NO: 6820SMVA
	02	07/28/20	FM/JW	TYPE: SLURRY	