DATA SHEET

6STX

AVAILABLE MOUNTING CONFIGURATIONS
6STX-F FRAME MOUNT 6STX-EM ENGINE MOUNT

OPERATING LEVELS		
MIN FLOW	300 GPM	68.1 m^3/h
MAX FLOW	1680 GPM	381.6 m^3/h
DISCHARGE SIZE	6”	152 mm
SUCTION SIZE	6”	152 mm
SOLIDS HANDLING	3”	76 mm
MAX RPM	1900 RPM	1900 RPM
SHUT OFF HEAD	170’	51.8 m
BEP HEAD	119’	36.3 m
BEP FLOW	1340 GPM	304.3 m^3/h
BEP EFFICIENCY	62%	62%

PARTS	STANDARD MATERIAL (ALL IRON)
VOLUTE CASING	DUCTILE IRON, ASTM A536, 65-45-12
IMPELLER	DUCTILE IRON, ASTM A536, 100-70-03
IMPELLER WASHER	416 STAINLESS STEEL, HEAT TREATED
IMPELLER SCREW	304 STAINLESS STEEL
BACKPLATE/BRACKET	DUCTILE IRON, ASTM A536, 65-45-12
WEAR PLATE	MILD STEEL
BEARING FRAME	DUCTILE IRON, ASTM A536, 65-45-12
SHAFT	17-4 PH STAINLESS STEEL
SHAFT SLEEVE	304 STAINLESS STEEL
FASTENERS	GRADE 5 STEEL
MECHANICAL SEAL	SILICON CARBIDE vs. SILICON CARBIDE, TYPE 2

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.

Cornell’s self-priming pump, with industry-leading efficiency, runs several percentage points higher than other manufacturers. Features patented Cycloseal® backplate and uniquely designed volute for best performance, with a 6” suction and 6” discharge.

- FIVE-YEAR warranty
- Optional self-cleaning wear plate
- Modular bearing frame
- Cornell’s Cycloseal® with type 2 seal
- Dual protection of bearings with external seal leakage monitor (vent to atmosphere)
- Retrofit-able with existing installations
- High-efficiency design
- Oversized oil reservoir for better cooling
- Replaceable shaft sleeve
- Heavy-duty ductile iron construction
- Designed for SAE conversion
- High RPM Capability

AGRICULTURE FOOD INDUSTRIAL MINING MUNICIPAL OIL & GAS REFRIGERATION RENTAL

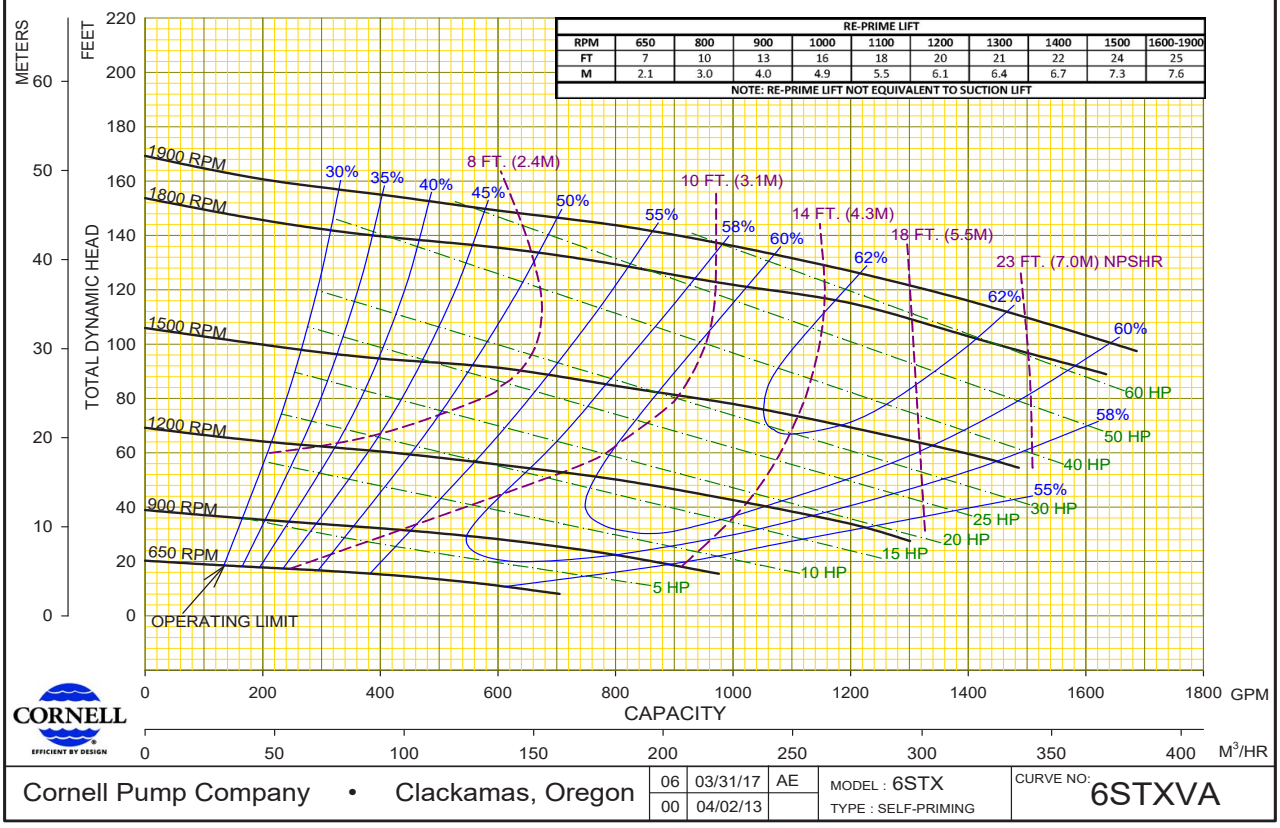
Cornell Pump Company | Clackamas, OR 97015 USA | www.cornellpump.com | P: +1 (503) 653-0330 | F: +1 (503) 653-0338

DATA SHEET

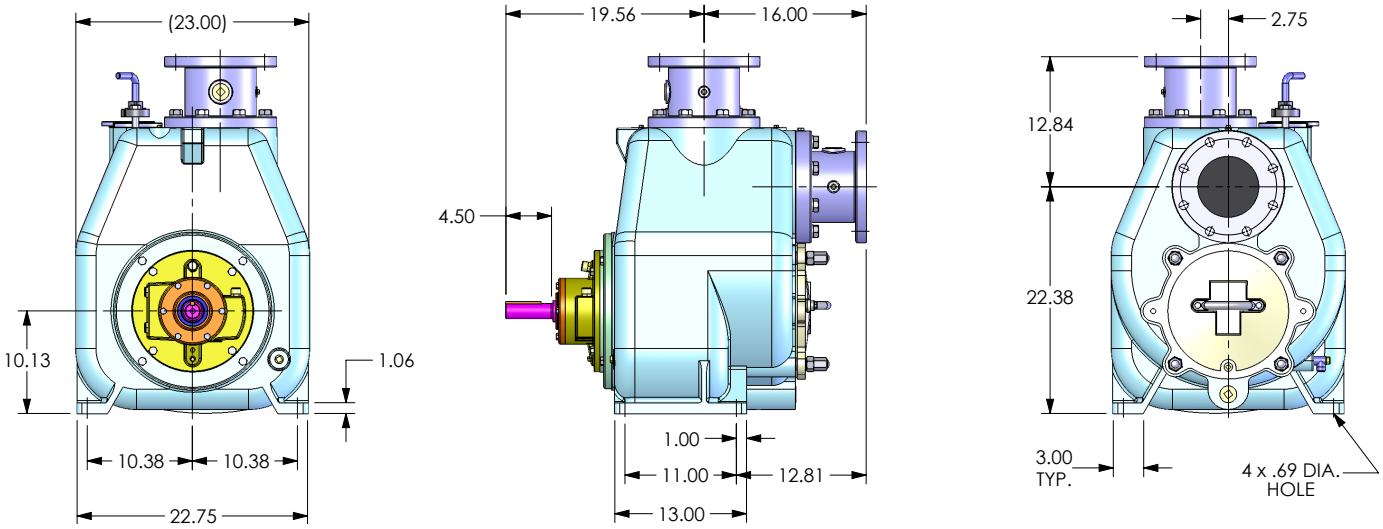
6STX

6STX - VARIOUS RPM

Performances shown are for S.G. 1.0 60°F water, frame mounted configuration with Cycloseal®.Other mounting styles or S.G. may require curve adjustments.	Speed	Impeller Dia.	Style	Volute	Solids Dia.	N_S	Suction	Discharge	No. Vanes
	VARIOUS	12.38"	SEMI-OPEN	SINGLE	3"	1940	6"	6"	2



Cornell Pump Company • Clackamas, Oregon	06	03/31/17	AE	MODEL : 6STX	CURVE NO: 6STXVA
	00	04/02/13		TYPE : SELF-PRIMING	



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