



### AVAILABLE MOUNTING CONFIGURATIONS

4STX-F FRAME MOUNT  
4STX-EM ENGINE MOUNT

### OPERATING LEVELS

<b>MIN FLOW</b>	150 GPM	34 m <sup>3</sup> /h
<b>MAX FLOW</b>	900 GPM	204.4 m <sup>3</sup> /h
<b>DISCHARGE SIZE</b>	4"	102 mm
<b>SUCTION SIZE</b>	4"	102 mm
<b>SOLIDS HANDLING</b>	3"	76 mm
<b>MAX SPEED</b>	2100 RPM	2100 RPM
<b>SHUT OFF HEAD</b>	150'	46 m
<b>BEP HEAD</b>	105'	32 m
<b>BEP FLOW</b>	682 GPM	154.9 m <sup>3</sup> /h
<b>BEP EFFICIENCY</b>	55%	55%



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<sup>®</sup> system and uniquely designed volute for best performance, with a 4" suction and 4" discharge.

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

- FIVE-YEAR warranty
- Optional self-cleaning wear plate
- Modular bearing frame
- Cornell's Cycloseal<sup>®</sup> 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



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MINING



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OIL & GAS



REFRIGERATION



RENTAL

**4STX - VARIOUS RPM**

