



### AVAILABLE MOUNTING CONFIGURATIONS

3STX-F FRAME MOUNT  
3STX-EM ENGINE MOUNT

### OPERATING LEVELS

<b>MIN FLOW</b>	75 GPM	17 m <sup>3</sup> /h
<b>MAX FLOW</b>	550 GPM	124.9 m <sup>3</sup> /h
<b>DISCHARGE SIZE</b>	3"	76 mm
<b>SUCTION SIZE</b>	3"	76 mm
<b>SOLIDS HANDLING</b>	2.50"	64 mm
<b>MAX SPEED</b>	2200 RPM	2200 RPM
<b>SHUT-OFF HEAD</b>	132'	40.2 m
<b>BEP HEAD</b>	92'	28 m
<b>BEP FLOW</b>	476 GPM	107.9 m <sup>3</sup> /h
<b>BEP EFFICIENCY</b>	56%	56%



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 3" suction and 3" 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



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REFRIGERATION



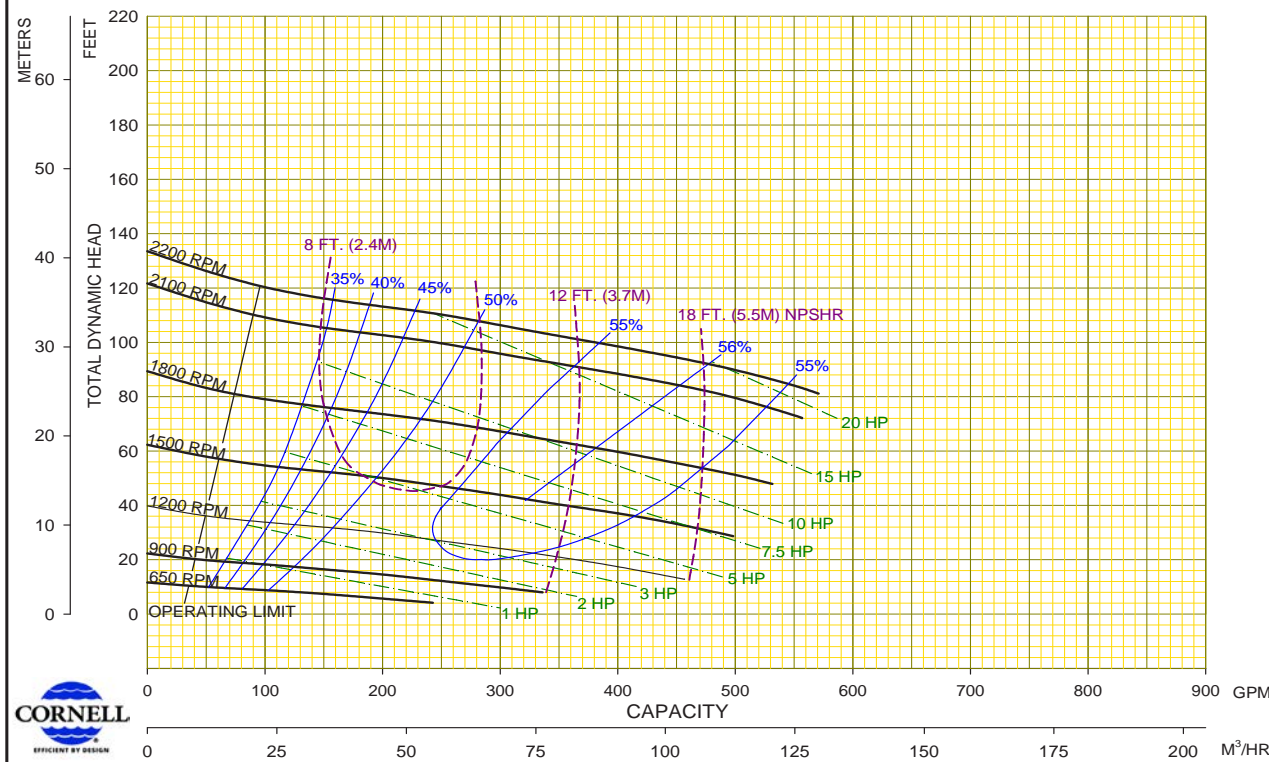
RENTAL



**3STX (VARIOUS RPM)**

Speed	Impeller Dia.	Style	Volute	Solids Dia.	N <sub>s</sub>	Suction	Discharge	No. Vanes
VARIOUS	8.75"	SEMI-OPEN	SINGLE	2.5"	1600	3"	3"	2

Performances shown are for S.G. 1.0 60°F water, frame mounted configuration with Cyclossal®. Other mounting styles or S.G. may require curve adjustments.



Cornell Pump Company • Clackamas, Oregon	03 03/19/15 CTG	MODEL : 3STX	CURVE NO: 3STXVA
	00 04/18/13 AE	TYPE : SELF-PRIMING	

