

AVAILABLE MOUNTING CONFIGURATIONS	
3STX-F FRAME MOUNT	
3STX-EM ENGINE MOUNT	

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

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 Gemstone Pump Company for further details. All information is approximate and for general guidance only.

Gemstone self-priming pump, with industry-leading efficiency, runs several percentage points higher than other manufacturers. Features patented Cycloseal[®] system and uniquely designed volute for best performance, with a 3" suction and 3" discharge.

- FIVE-YEAR warranty •
- Optional self-cleaning wear plate •
- Modular bearing frame •
- Gemstone'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



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REFRIGERATION

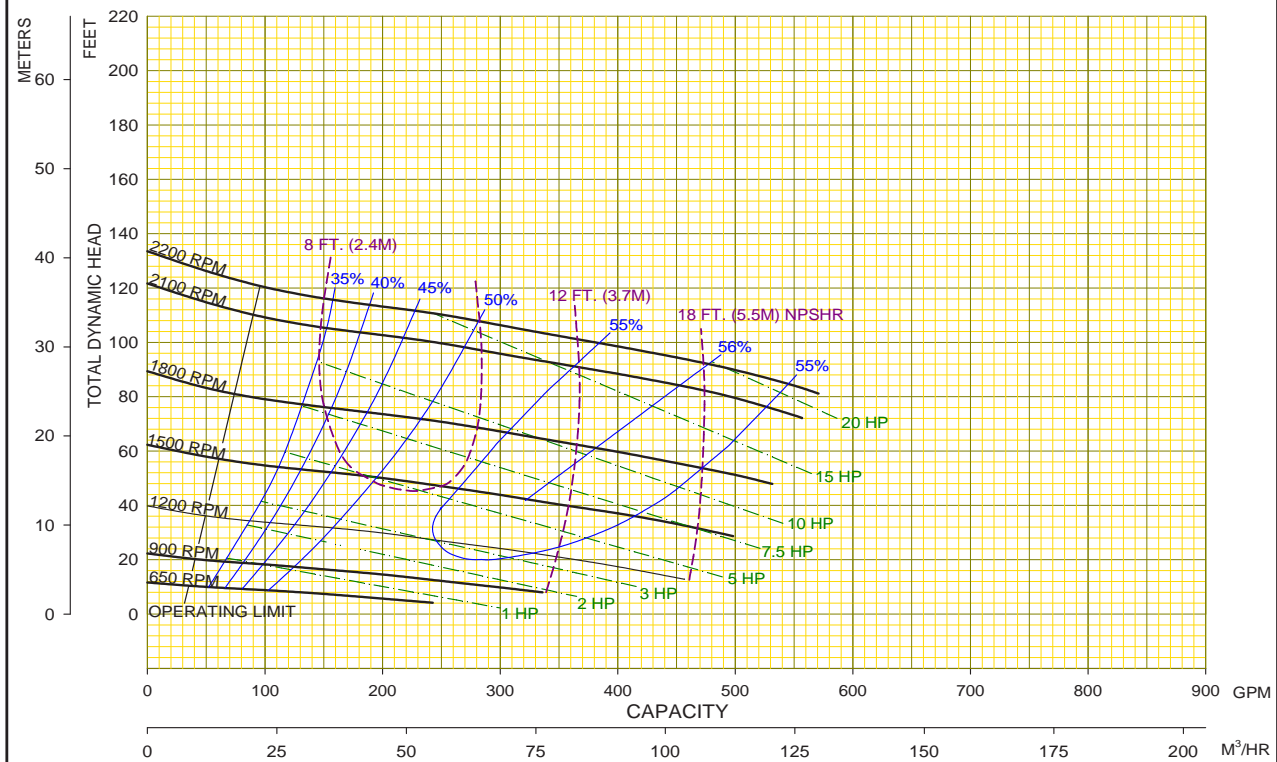


RENTAL

3STX (VARIOUS RPM)

Speed	Impeller Dia.	Style	Volute	Solids Dia.	N _s	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			03 03/19/15 CTG	MODEL : 3STX	CURVE NO:
			00 04/18/13 AE	TYPE : SELF-PRIMING	3STXVA

