

AVAILABLE MOUNTING CONFIGURATIONS

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

OPERATING LEVELS

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



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's 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 4" suction and 4" discharge.

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

- 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

4STX - VARIOUS RPM

