



AVAILABLE MOUNTING CONFIGURATIONS

10STX-F FRAME MOUNT
10STX-EM ENGINE MOUNT

OPERATING LEVELS

MIN FLOW	500 GPM	115 m ³ /h
MAX FLOW	4500 GPM	1035 m ³ /h
DISCHARGE SIZE	10"	254 mm
SUCTION SIZE	10 "	254 mm
SOLIDS HANDLING	3 "	7.5 cm
MAX SPEED	1600 RPM	1600 RPM
SHUT-OFF HEAD	180'	54.9 m
BEP HEAD	112'	34.2 m
BEP FLOW	3150 GPM	724.5 m ³ /h
BEP PERCENT	81%	81%



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 10" suction and 10" discharge.

- Side mount clean out for access to both impeller and flapper valve
- Oversized bearings
- Front adjustable wear plate
- Optional self-cleaning wear plate
- Modular bearing frame
- Patented Cycloseal® design
- Dual protection of bearings with external seal leakage monitor (vent to atmosphere)
- Retrofit-able with existing installations
- Industry-leading efficiencies
- Oversized oil reservoir for better cooling
- Replaceable shaft sleeve
- Heavy-duty ductile iron construction
- Designed for SAE conversion
- High RPM Capability
- FIVE-YEAR warranty

PARTS	STANDARD MATERIAL (ALL IRON)
IMPELLER	DUCTILE IRON, ASTM A536, 100-70-03
VOLUTE CASING	DUCTILE IRON, ASTM A536, 65-45-12
SHAFT	17-4 PH STAINLESS STEEL
SHAFT SLEEVE	304 STAINLESS STEEL
SUCTION COVER	DUCTILE IRON, ASTM A536, 65-45-12
WEAR PLATE	CAST IRON, ASTM A48, CLASS 30
MECHANICAL SEAL	SILICON CARBIDE VS. SILICON CARBIDE, TYPE 2
BEARING FRAME	DUCTILE IRON, ASTM A536, 65-45-12
IMPELLER SCREW	304 STAINLESS STEEL
BACKPLATE/BACKET	DUCTILE IRON, ASTM A536, 65-45-12
FASTENERS	GRADE 5 STEEL
CLEAN OUT	CAST IRON, ASTM A48, CLASS 30



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



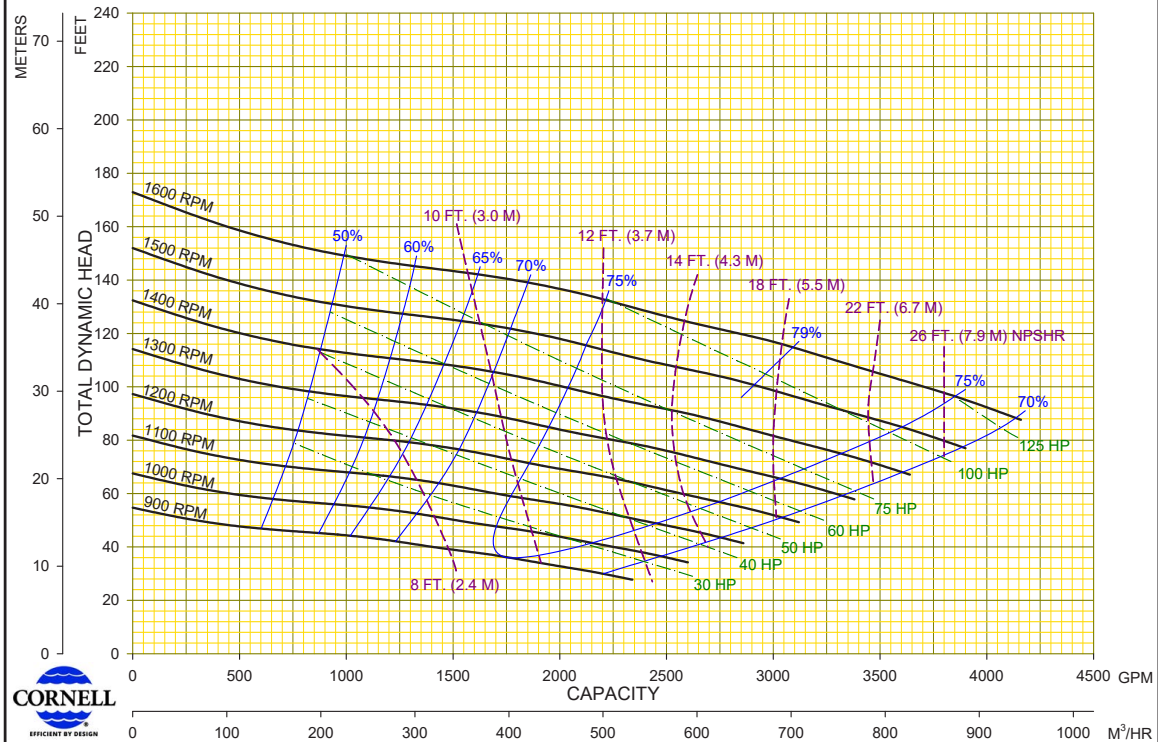
REFRIGERATION



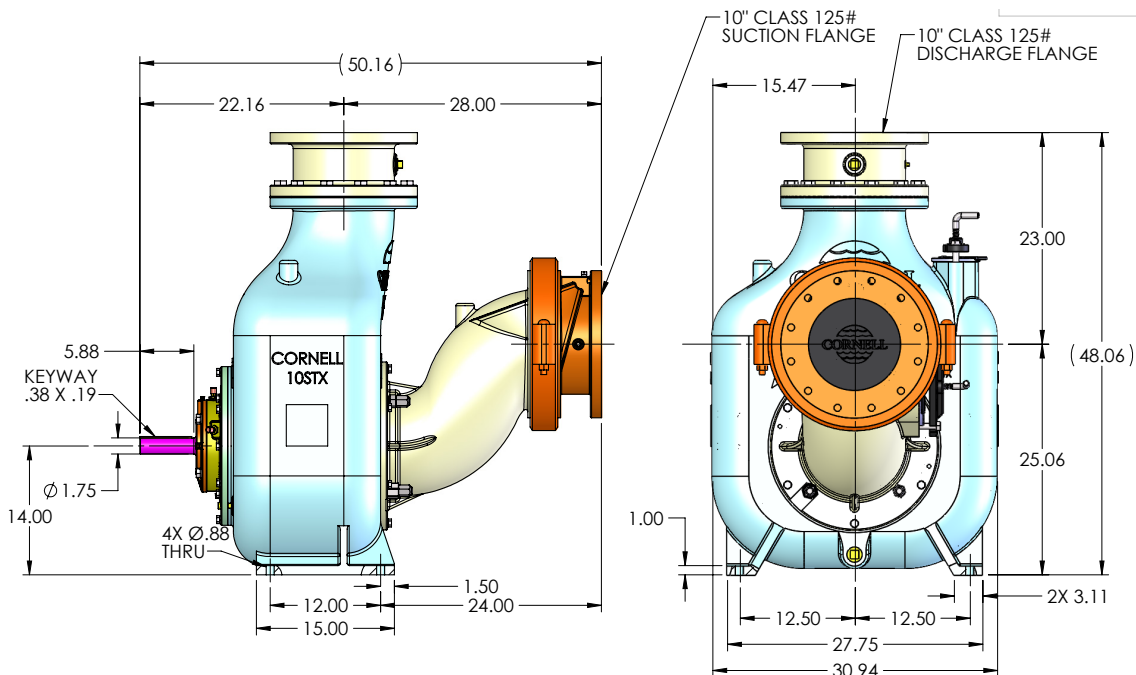
RENTAL

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

Speed	Impeller Dia.	Style	Volute	Solids Dia.	N _s	Suction	Discharge	No. Vanes
VARIOUS	14.75"	SEMI-OPEN	SINGLE	3"	2535	10"	10"	2



Cornell Pump Company • Clackamas, Oregon	X 00	X 8/10/15	X AE	MODEL : 10STX TYPE : SELF-PRIMING	CURVE NO: 10STXVA
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