



EFFICIENT BY DESIGN

## 6STX Self-Priming Trash Pump

Sewage and Industrial Wastewater Handling  
Max. 375 m<sup>3</sup>/hour, Max. 50 mwc



### Pump specifications:

Type.....	6STX-F55
Max. flow .....	375 m <sup>3</sup> /hour
Max. pressure.....	50 mwc
Best efficiency point.....	62 %
Connections .....	6" x 6" flange
Solids handling .....	76 mm
Impeller type .....	Semi-open
Material casing/impeller....	Ductile iron
Pump shaft .....	Stainless steel 17-4PH
Mechanical seal .....	Cycloseal®
Weight.....	430 kg
Warranty .....	Five-year warranty

## FEATURES

### Efficient by Design

Efficiency is not only our mantra, but it is also our priority when designing our equipment. The STX line exceeds the efficiency ratings of the competition by multiple efficiency points. This improvement translates into energy cost savings over the life of the pump.

### Back Pull-out Design

The rotating assembly can be removed without dismantling the pump or disturbing the piping. In addition Cornell's rotating assembly allows for retrofits of existing installations to upgrade your existing pump with Cornell Pump quality and features.

### Cycloseal®

Cornell's Cycloseal design has proven itself in the toughest applications, in some cases more than tripling the normally expected mechanical seal life. With its unique deflector vanes, works with the impeller back vanes to create a cyclo-action. This action removes solids and abrasive material from the seal area.

### Five-Year Warranty

Cornell pump five-year warranty is standard on all self-priming pumps.

### Central Warehouse in the Netherlands

- Wide range of Pumps and Parts in stock
- Dedicated customer help-desk (24/7)
- Optional European on-site servicing
- CE Machinery Directive 98/37
- ISO 9001 and ISO 14001 certified





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### AUXILIARY ITEMS



#### Horizontal Frame Assembly Direct Driven

Pump and motor are mounted on a hot dip galvanized base frame, equipped with lifting points. The rubber coupling is protected by a steel guard. Pump speed (rpm.) is equal to motor speed.

#### Vertical Frame Assembly V-Belt Driven

Pump and motor are mounted on a hot dip galvanized base frame, equipped with lifting points and steel guard. By using v-belts and sheaves the pump speed (rpm.) is independent of the motor speed.



#### Air-Release Valve

The valve opens and closes based upon presence of flow (not pressure); therefore, restricting the liquid from entering the surroundings.

#### Rotating Assembly

Complete bearing frame, including impeller, shaft and Cycloseal®, the unit can be removed without dismantling the pump. Cornell's STX rotating assembly allows for retrofits of existing installations to upgrade your existing pump with Cornell Pump quality and features.



#### Choice of materials

Impeller and wear plate are available in heat treated ductile iron.  
STX series is also available with duplex stainless steel CD4MCu pump end.