CORNELL

EFFICIENT BY DESIGN

4STX Self-Priming Trash Pump

Sewage and Industrial Wastewater Handling

Max. 200 m^3/hour, Max. 45 mwc

Pump specifications:

Type	4STX-F45
Max. flow	200 m^3/hour
Max. pressure	45 mwc
Best efficiency point	55 %
Connections	4" x 4" flange
Solids handling	76 mm
Impeller type	Semi-open
Material casing/impeller	Ductile iron
Pump shaft	Stainless steel 17-4PH
Mechanical seal	Cycloseal®
Weight	325 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

Cornell Pumps in Europe
Edisonstraat 12
7006 RD Doetinchem
The Netherlands

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info@cornellpumpseurope.com

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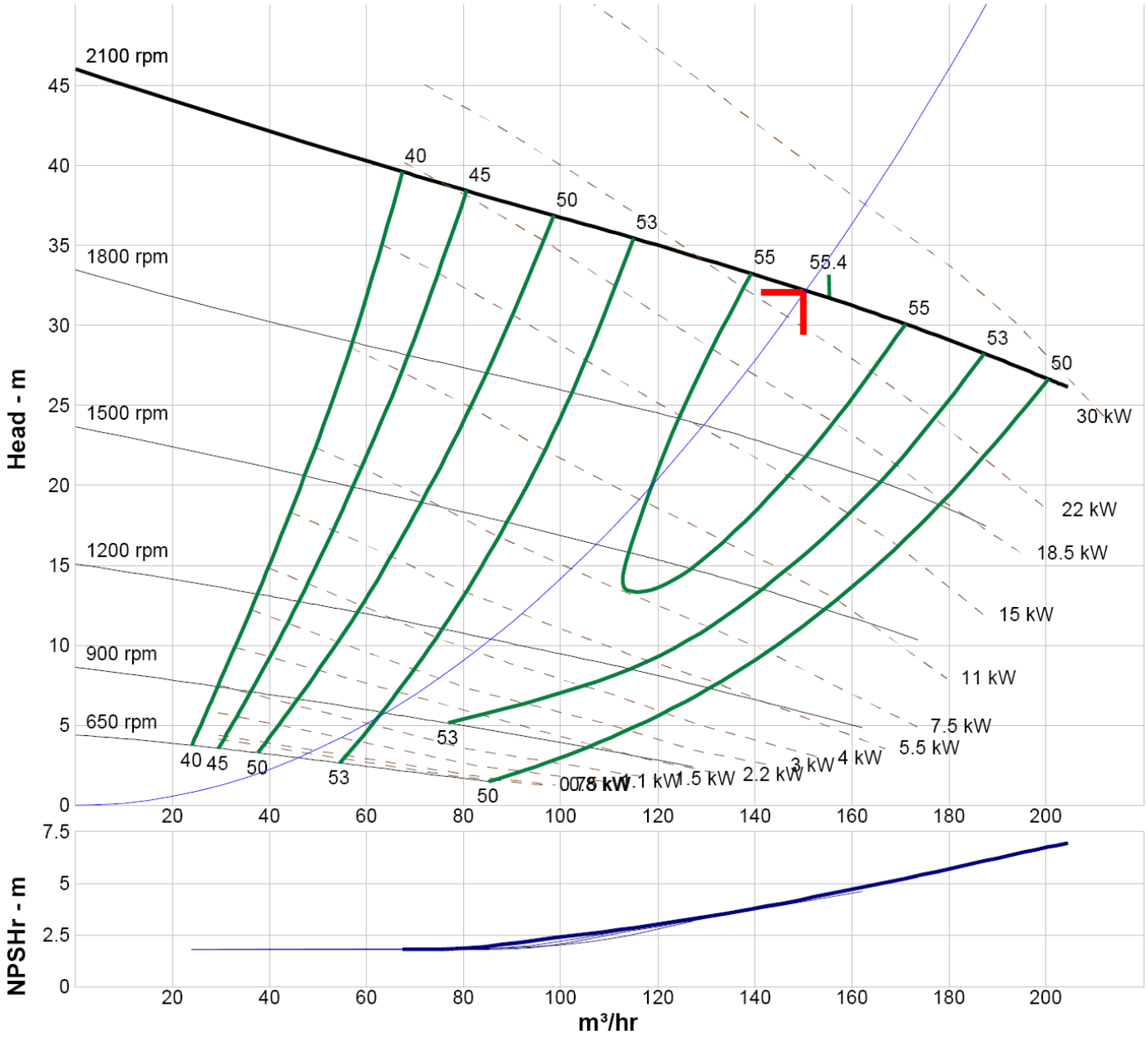
PERFORMANCE CURVES

(Density: 998.3 kg/m^3)



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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.

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