



Alfa Laval SolidC CIP Pump Cart

Tank cleaning accessories

Introduction

Alfa Laval's SolidC CIP Pump Cart is a mobile four-wheeled pump cart designed for easy manoeuvrability and maximum performance. Using the time-proven Alfa Laval SolidC Series pump, the stainless steel construction and foam filled tires are ideal for applications in wineries, breweries, distilleries, and other food and beverage manufacturing plants. The NEMA 4X-enclosed variable frequency drive (VFD) provides maximum performance and versatility for multiple uses.

Application

Ideal for use with Alfa Laval's diverse tank cleaning portfolio, the SolidC CIP Pump Cart provides a convenient, portable solution when a facility lacks a central CIP system for its cleaning applications. The versatility of the incorporated VFD allows for product transfer uses as well.

Benefits

- Portable pump cart ideal for use with tank cleaning devices to portably clean tanks and vessels when an existing CIP pump is not available
- It is easy to use and operate and is washdown duty with NEMA 4X controls for use in a variety of environments
- When not used for cleaning purposes, the pump can be used as a transfer pump as well.

Standard Design

The SolidC Pump Cart comes with an Alfa Laval Solid C centrifugal pump with motor and a NEMA 4X variable frequency drive mounted to a robust four wheel cart for ease of movement. The pump is 316L stainless steel with a 2.5" tri-clamp inlet and 1.5" tri-clamp outlet. The cart is made of 16 gauge stainless steel tubing and 8" foam filled, non-rusting wheels.

Technical Data

Pumps	
Pump type:	Alfa Laval SolidC Series
Shaft seal:	Silicon carbide single shaft seal
Motor type:	Washdown duty motor



Variable frequency drive (VFD)	
Enclosure:	NEMA 4X enclosure – approved for washdown and outdoor applications
Switch:	Lockable disconnect switch

Cart	
Construction:	304 SS 16 GA construction
Tires:	8-in non-rusting foam tires
Dimensions:	Sani 40: 20 in W x 38 in L Sani 100: 23 in W x 44 in L

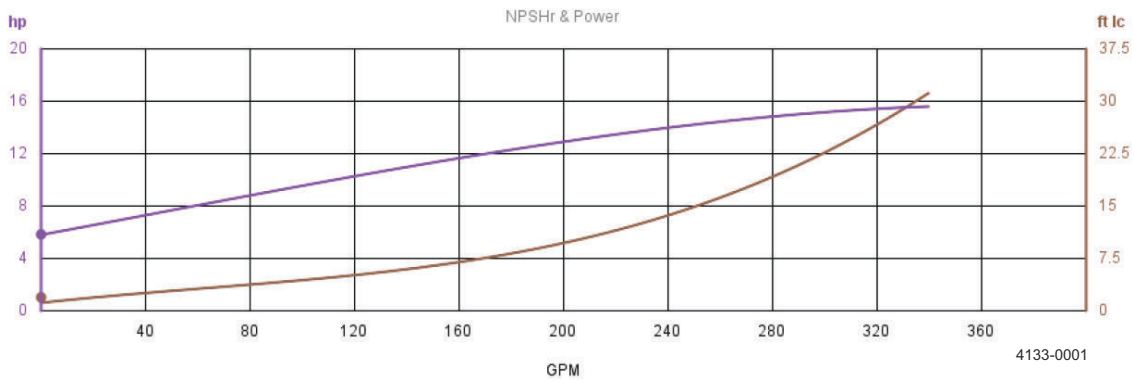
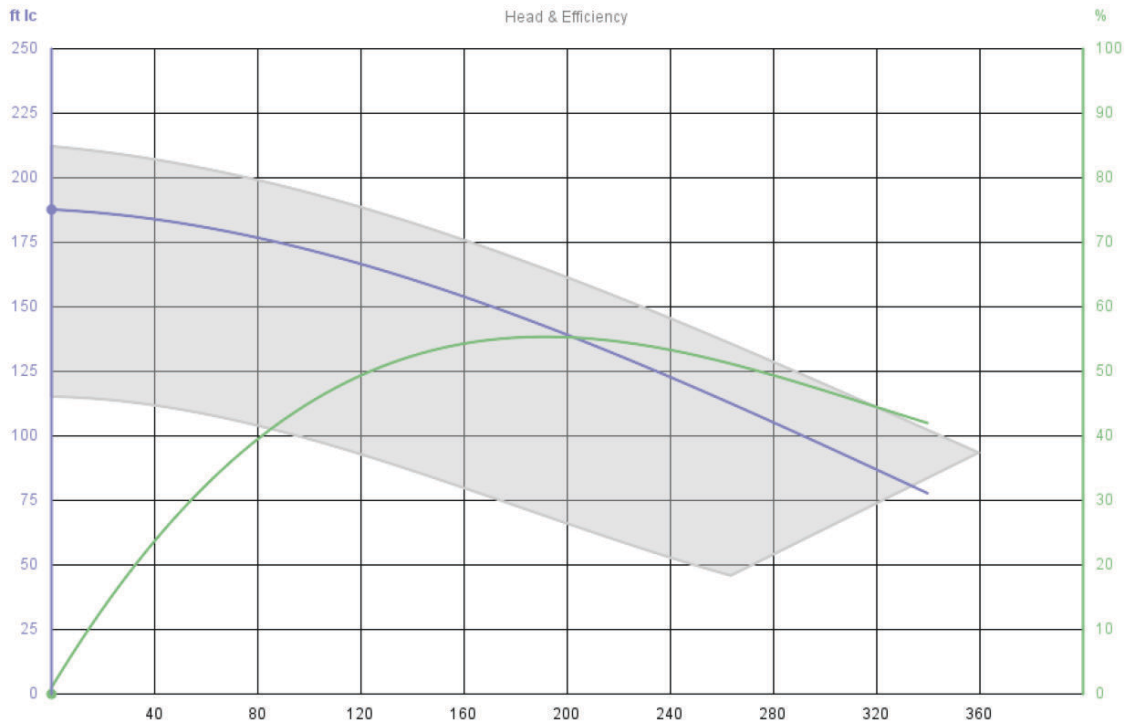
Physical Data

Sani 40	
Inlet/outlet size	2.5"/1.5" TC
Motor HP	7.5 HP
Max flow rate for CIP	40 gpm (9.1 m ³ /h)
Max. pressure	76 psi (5.2 bar)
Voltage available	230/460V 3 PH @ 60 Hz

Sani 100	
Inlet/outlet size	2.5"/1.5" TC
Motor HP	15 HP
Max flow rate for CIP	100 gpm (22.7 m ³ /h)
Max. pressure	82 psi (5.6 bar)
Voltage available	230/460V 3 PH @ 60 Hz

Pump Curves – Sani 40

Pump curves at 60 Hz, 7.5 HP



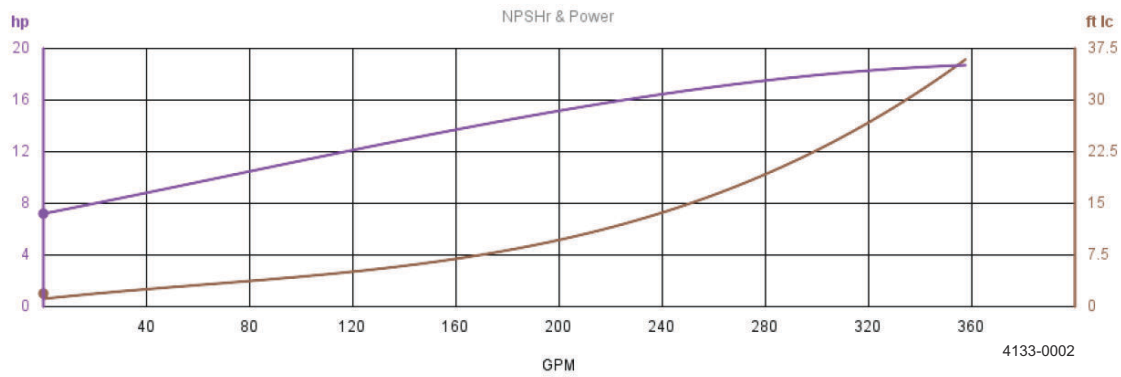
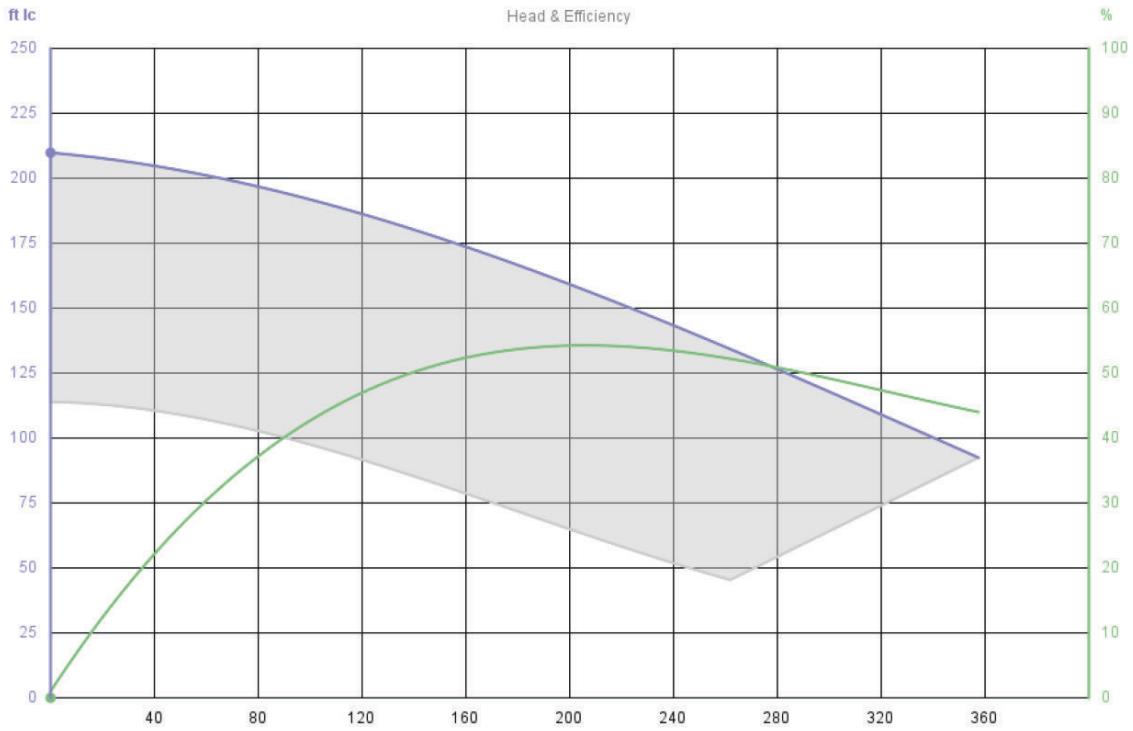
Legend

- Envelope
- Head
- Efficiency
- Resistance
- Power
- NPSHr

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Pump Curves – Sani 100

Pump curves at 60 Hz, 15 HP



Legend

- Envelope
- Head
- Efficiency
- Resistance
- Power
- NPSHr

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