


Count	Description
1	<p data-bbox="225 338 352 367">DDE 120-7</p> <div data-bbox="308 430 523 689">  </div> <p data-bbox="616 723 1072 748" style="text-align: center;">Product photo could vary from the actual product</p> <p data-bbox="225 754 632 810">Product No.: 99159439 DDE 120-7 AR-SS/T/SS-F-31A3A3B</p> <p data-bbox="225 844 1449 969">The SMART Digital DDE is a compact positive displacement, diaphragm dosing pump with variable-speed drive (PMS motor) and intelligent control electronics with minimum energy consumption. The SMART Digital Dosing series operates at full stroke length to ensure optimum accuracy, priming and suction, even for degassing liquids. The duration of each discharge stroke varies according to the capacity set, resulting in optimum smooth and continuous discharge flow.</p> <p data-bbox="225 985 1449 1064">The mounting plate allows quick installation and service. The control cube can be turned easily into front, left or right position. The dosing flow can be adjusted by means of an adjustment knob on a logarithmical scale from 0.1-100%. The control elements are protected by a transparent cover.</p> <p data-bbox="225 1102 592 1126">The dosing head is composed of:</p> <ul data-bbox="264 1131 1147 1216" style="list-style-type: none"> - Long lifetime and universal, chemically resistant full double PTFE diaphragm. - Ball valves for highest dosing accuracy. - Deaeration valve for easy startup. <p data-bbox="225 1249 424 1274">Operating modes:</p> <ul data-bbox="264 1279 839 1364" style="list-style-type: none"> - Manual dosing from 0.1 to 100%. - Pulse control (divisor function included). - Analog 4-20 mA control (scalable maximum flow) <p data-bbox="225 1397 392 1422">Other features:</p> <ul data-bbox="264 1426 999 1512" style="list-style-type: none"> - 100 % key (maximum capacity), e.g. for deaeration. - Operation mode switch key between manual, pulse and analog. - Status LEDs for pulse, analog and manual. <p data-bbox="225 1545 472 1570">Signal- Inputs/outputs:</p> <ul data-bbox="264 1574 1449 1686" style="list-style-type: none"> - Input for pulse, external stop, analog 4-20 mA. - Input for empty tank signal. - Two potential-free output relays for maximum 30 V AC/DC (configurable, e.g. alarm, low level, full stroke signal and pulse) <p data-bbox="225 1753 336 1778">Controls:</p> <p data-bbox="225 1783 627 1807">Control variant: AR</p> <p data-bbox="225 1812 627 1836">Ext. Stop input: NO</p> <p data-bbox="225 1870 309 1895">Liquid:</p> <p data-bbox="225 1899 655 1924">Pumped liquid: Water</p> <p data-bbox="225 1928 719 1953">Liquid temperature range: 32 .. 122 °F</p> <p data-bbox="225 1957 708 1982">Liquid temperature during operation: 68 °F</p> <p data-bbox="225 1986 708 2011">Density: 62.29 lb/ft³</p> <p data-bbox="225 2047 349 2072">Technical:</p> <p data-bbox="225 2076 992 2101">Type key: DDE 120-7 AR-SS/T/SS-F-31A3A3B</p>



Company name:

Created by:

Phone:

Date:

1/17/2019

Count	Description
	Max. Flow: 31.7 US gal/hour Min flow: 150 ml/h Turn-down ratio: 1:800 Approvals on nameplate: CE,CSA-US,NSF61,RCM Valve type: Standard Maximum viscosity at 100 %: 100 mPas Maximum viscosity in slow mode 50 %: N/A mPas Maximum viscosity in slow mode 25 %: N/A mPas Accuracy of repeatability: 5 %
	Materials: Dosing head: Stainless Steel 1.4435 Valve ball: Stainless steel Gasket: PTFE
	Installation: Range of ambient temperature: 32 .. 113 °F Maximum operating pressure: 102 psi Installation set: NO Installation type: No installation set Pump inlet: Conn. threaded 3/4#NPTF CodeA3 Pump outlet: Conn. threaded 3/4#NPTF CodeA3 Max. Suction lift during operation: 9.843 ft Max. Suction lift during priming: 4.922 ft
	Electrical data: Maximum power input - P1: 62 W Main frequency: 60 Hz Rated voltage: 1 x 100-240 V Enclosure class (IEC 34-5): IP65 / NEMA 4X Length of cable: 4.922 ft Type of cable plug: USA, Canada Inrush current: 70A at 240V (35A/100V) for 2ms
	Others: Net weight: 15.4 lb Gross weight: 17.6 lb COLOR: RED



Company name:

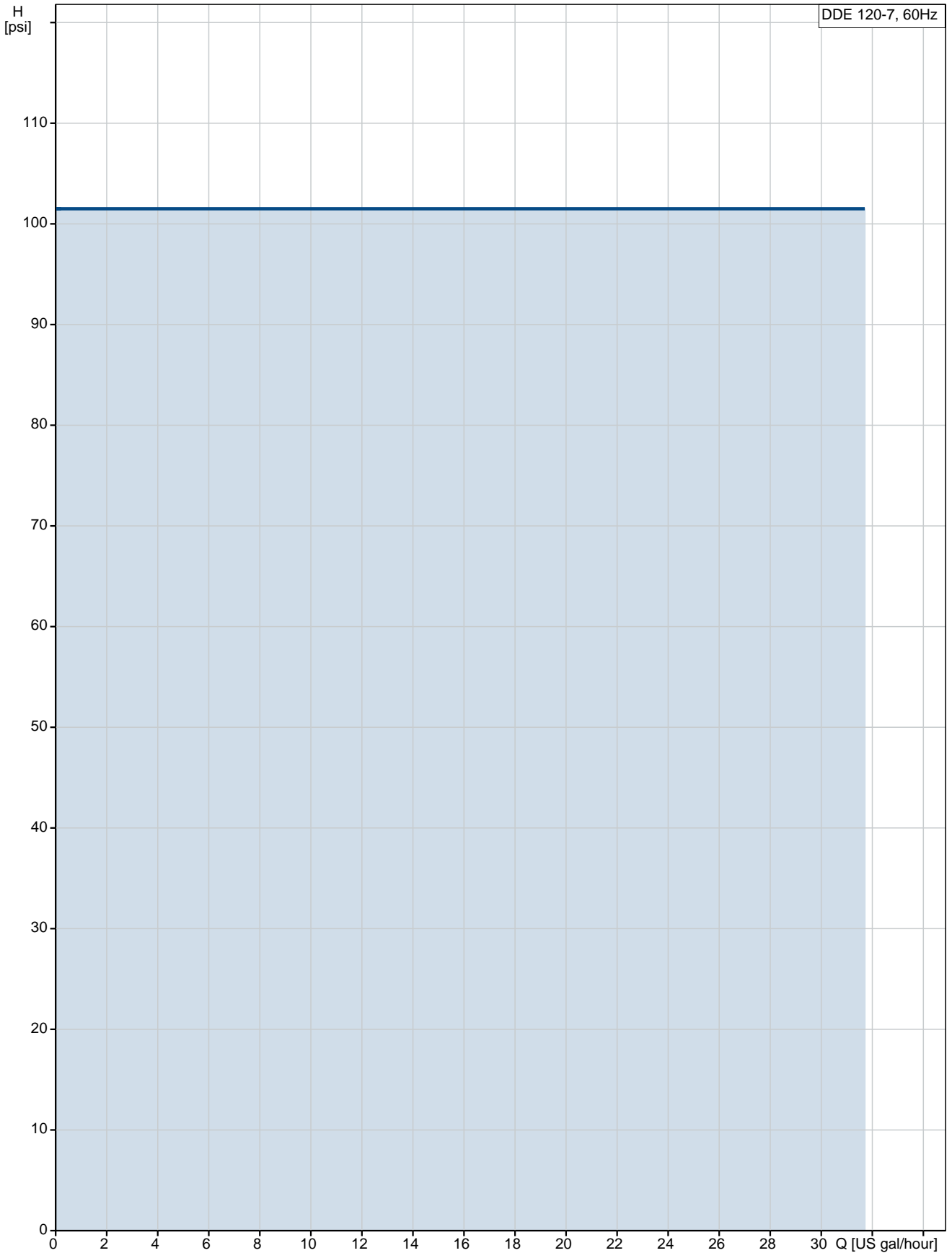
Created by:

Phone:

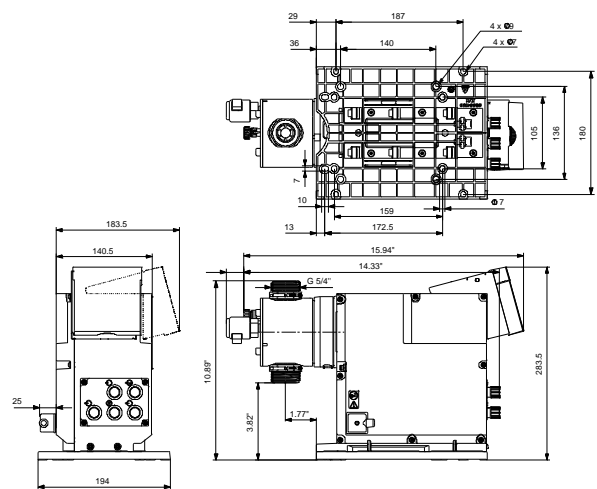
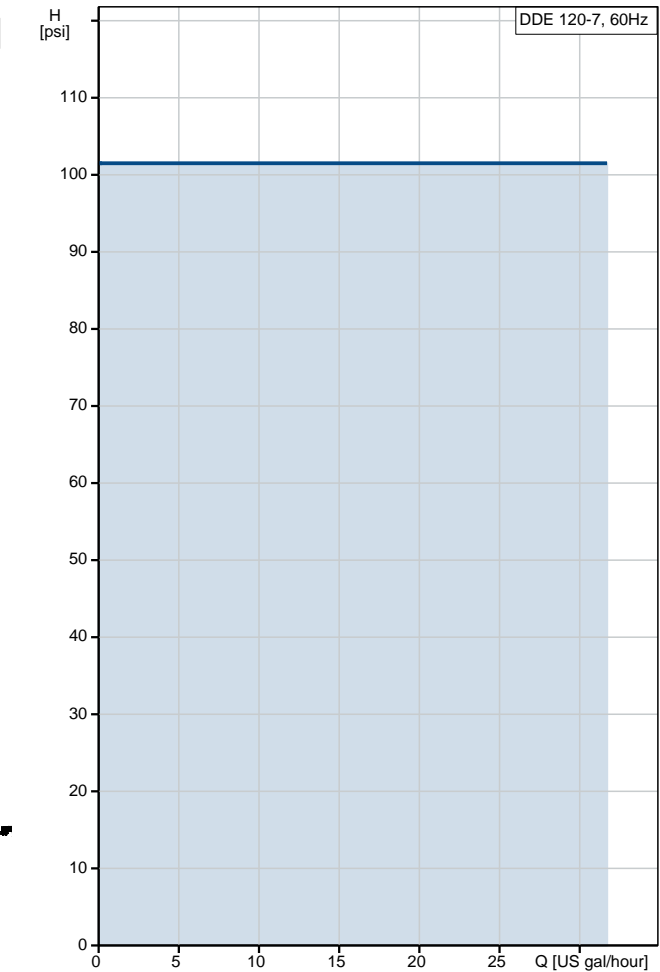
Date:

1/17/2019

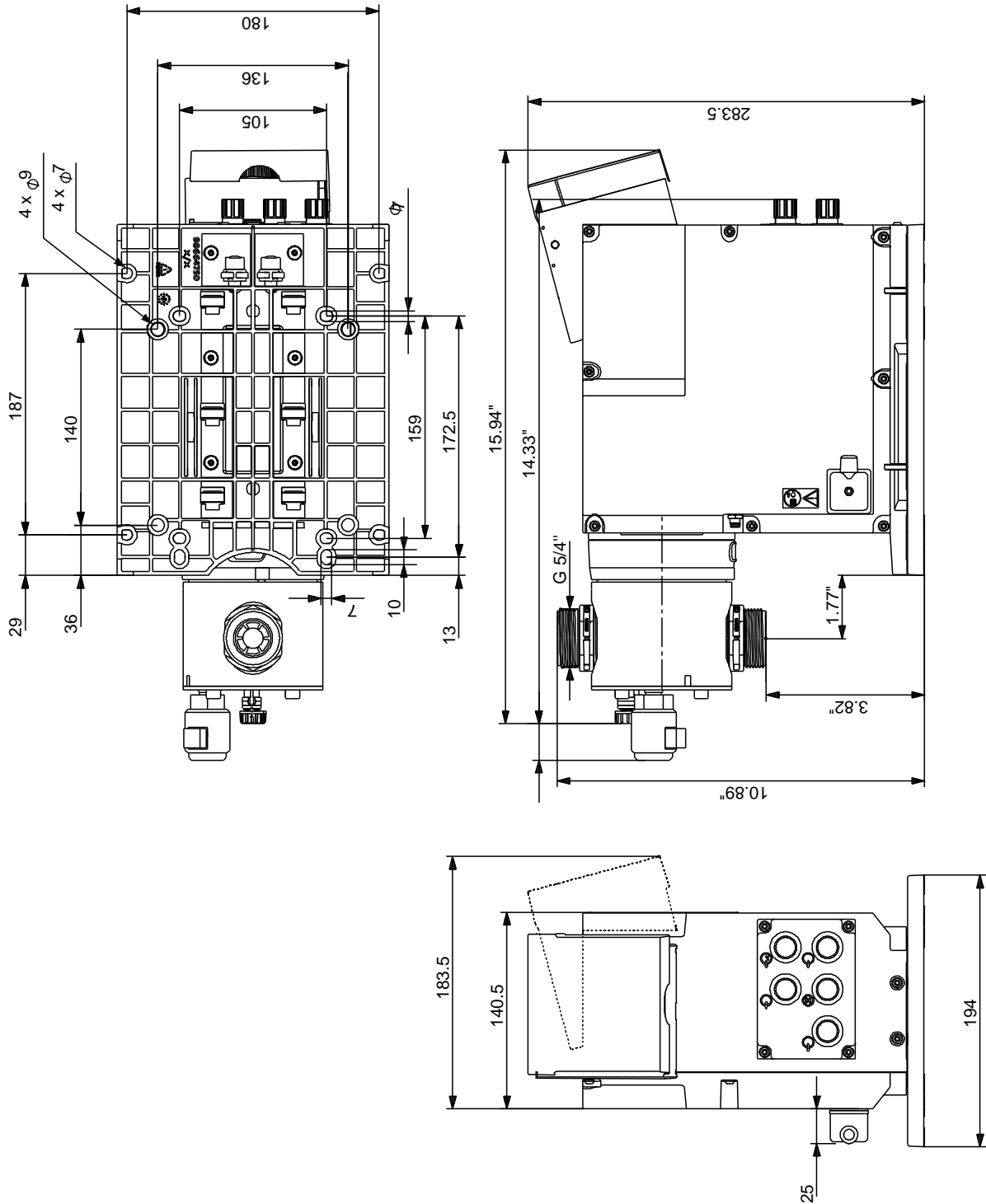
99159439 DDE 120-7 60 Hz



Description	Value
General information:	
Product name:	DDE 120-7
Product No.:	99159439
EAN:	5712607842277
Technical:	
Type key:	DDE 120-7 AR-SS/T/SS-F-31A3A3B
Max. Flow:	31.7 US gal/hour
Min flow:	150 ml/h
Turn-down ratio:	1:800
Approvals on nameplate:	CE,CSA-US,NSF61,RCM
Valve type:	Standard
Maximum viscosity at 100 %:	100 mPas
Maximum viscosity in slow mode 50 %:	N/A mPas
Maximum viscosity in slow mode 25 %:	N/A mPas
Accuracy of repeatability:	5 %
Materials:	
Dosing head:	Stainless Steel 1.4435
Valve ball:	Stainless steel
Gasket:	PTFE
Installation:	
Range of ambient temperature:	32 .. 113 °F
Maximum operating pressure:	102 psi
Installation set:	NO
Installation type:	No installation set
Pump inlet:	Conn. threaded 3/4#NPTF CodeA3
Pump outlet:	Conn. threaded 3/4#NPTF CodeA3
Max. Suction lift during operation:	9.843 ft
Max. Suction lift during priming:	4.922 ft
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	32 .. 122 °F
Liquid temperature during operation:	68 °F
Density:	62.29 lb/ft ³
Electrical data:	
Maximum power input - P1:	62 W
Main frequency:	60 Hz
Rated voltage:	1 x 100-240 V
Enclosure class (IEC 34-5):	IP65 / NEMA 4X
Length of cable:	4.922 ft
Type of cable plug:	USA, Canada
Inrush current:	70A at 240V (35A/100V) for 2ms
Controls:	
Control variant:	AR
Control panel:	FRONT-MOUNTED
Ext. Stop input:	NO
Others:	
Net weight:	15.4 lb
Gross weight:	17.6 lb
COLOR:	RED



99159439 DDE 120-7 60 Hz



Note! All units are in [mm] unless otherwise stated.
Disclaimer: This simplified dimensional drawing does not show all details.