

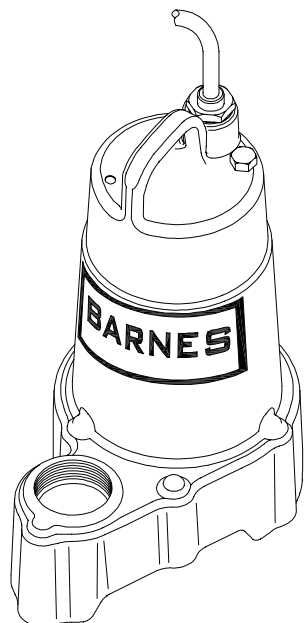
Series SP33

1/2" Spherical Solids Handling
Manual & Automatic, Sump/Effluent

BARNES®

www.cranepumps.com

Submersible Effluent Pumps



Series: SP33 1/3HP, 3450RPM, 60Hz



DESCRIPTION:

PUMP IS DESIGNED FOR HANDLING SEWAGE EFFLUENT IN TYPICAL SEPTIC TANK/EFFLUENT APPLICATIONS.

Specifications:

DISCHARGE	1½" NPT, Female, Vertical
LIQUID TEMPERATURE	104°F (40°C) Continuous
MOTOR HOUSING	Cast Iron
PUMP BODY & STRAINER	Thermoplastic
IMPELLER: <i>Design</i>	10 Vane vortex, with pump out vanes on back side. Balanced, ISO G6.3
<i>Material</i>	Cast Iron
SHAFT	Stainless Steel
O-RINGS	Buna-N
HARDWARE	300 Series Stainless Steel
PAINT	Air Dry Enamel
SEAL: <i>Design</i>	Single Mechanical, Type 21
<i>Material</i>	Carbon/Ceramic/Buna-N
	Hardware -300 Series Stainless
CORD ENTRY	10 ft. (3m) or 20 ft. (6m) Cord with plug and Pressure Grommet for sealing and strain relief
UPPER BEARING.....	Single Row, Ball, Oil Lubricated
LOWER BEARING.....	Single Row, Ball, Oil Lubricated
MOTOR: <i>Design</i>	Oil Filled
<i>Insulation</i>	Class B
SINGLE PHASE.....	Permanent Split Capacitor (PSC). Includes thermal overload protection in motor
LEVEL CONTROL:	
SP33	None
SP33A.....	Wide Angle, Mechanical, 10 ft (3m) cord or 20 ft (6m) cord
SP33VF.....	Vertical Float, PVC, Snap Action, 10 ft (3m) cord or 20 ft. (6m) cord
SP33D	Diaphragm switch, pressure operated, Snap Action, normally open, 10 Ft. (3m) cord
MINIMUM SUMP DIA:	
SP33A.....	18" (457mm)
SP33, SP33VF	
SP33D.....	11" (279mm)

SECTION 3A
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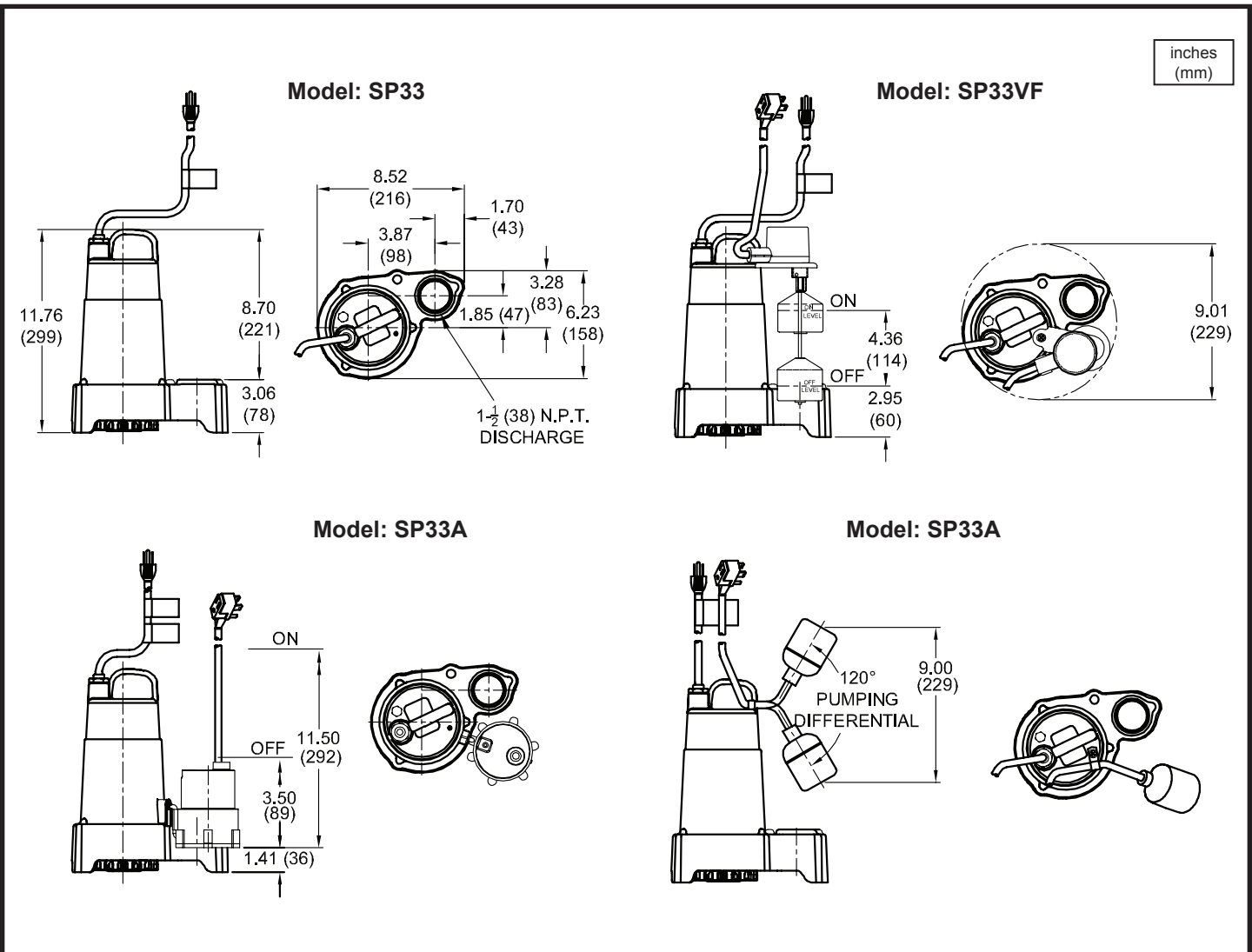
CRANE®

A Crane Co. Company

PUMPS & SYSTEMS

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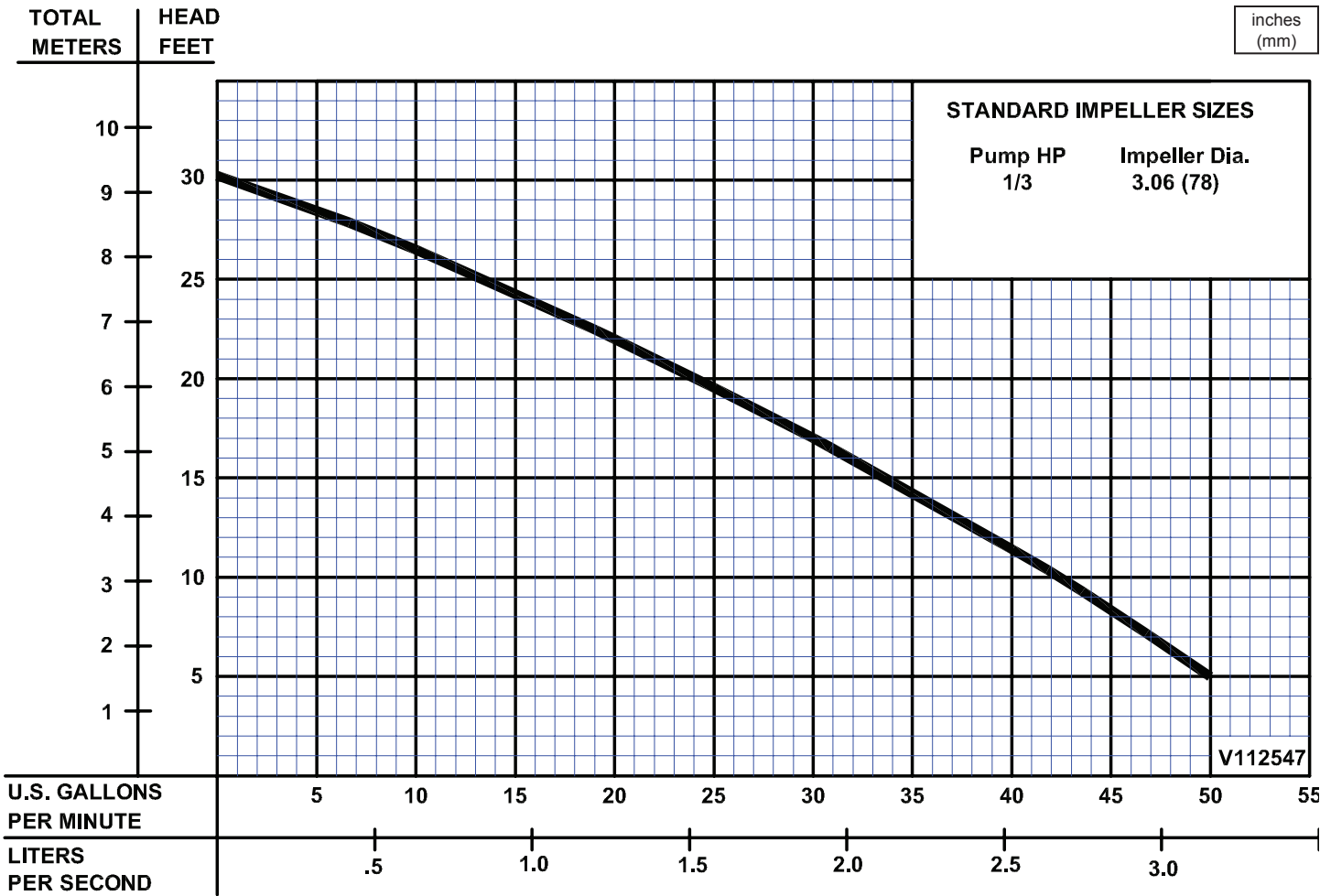


MODEL NO	PART NO	HP	VOLT/PH	Hz	RPM (Nom)	NEMA START CODE	FULL LOAD AMPS	CORD LENGTH	CORD SIZE	CORD TYPE
SP33	112547	1/3	120/1	60	3450	B	5.8	10 ft. (3m)	18/3	SJTOW
SP33X	112548	1/3	120/1	60	3450	B	5.8	20 ft. (6m)	18/3	SJTOW
SP33A	112549	1/3	120/1	60	3450	B	5.8	10 ft. (3m)	18/3	SJTOW
SP33AX	112550	1/3	120/1	60	3450	B	5.8	20 ft. (6m)	18/3	SJTOW
SP33VF	112551	1/3	120/1	60	3450	B	5.8	10 ft. (3m)	18/3	SJTOW
SP33VFX	112552	1/3	120/1	60	3450	B	5.8	20 ft. (6m)	18/3	SJTOW
SP33D	118371	1/3	120/1	60	3450	B	5.8	10 ft. (3m)	18/3	SJTOW

IMPORTANT !

- PUMP MAY BE OPERATED "DRY" FOR EXTENDED PERIODS WITHOUT DAMAGE TO MOTOR AND/OR SEALS.
- THIS PUMP IS NOT APPROPRIATE FOR THOSE APPLICATIONS SPECIFIED AS CLASS I DIVISION I HAZARDOUS LOCATIONS.
- INSTALLATIONS SUCH AS DECORATIVE FOUNTAINS OR WATER FEATURES PROVIDED FOR VISUAL ENJOYMENT MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE ANSI/NFPA 70 AND/OR THE AUTHORITY HAVING JURISDICTION. THIS PUMP IS NOT INTENDED FOR USE IN SWIMMING POOLS, RECREATIONAL WATER PARKS, OR INSTALLATIONS IN WHICH HUMAN CONTACT WITH PUMPED MEDIA IS A COMMON OCCURRENCE.

Submersible Effluent Pumps



Testing is performed with water, specific gravity 1.0 @ 68° F @ (20°C), other fluids may vary performance