

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

PUMP COMPANY

Zoeller Family of Water Solutions™

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www.zoeller.com

COMPARE THESE FEATURES

- FM listed motor for Class I, Division 1, Group C & D environments



WARNING Not for use in acidic, methanol, or ethyl acetate atmospheres

- Non-clogging cast iron vortex impeller design
- Operation: Automatic or nonautomatic. Automatic units Patent No. 8,535,014
- Stainless steel rotor shaft
- Durable cast construction. Cast iron cover, motor adapter and pump housing. No sheet metal parts to rust or corrode. All cast iron class 30, 30000# tensile strength
- Stainless steel bolts, handle, guard and float rod guide, switch arm and actuator assembly
- Brass float and float rod (automatic only)
- 20 ft. UL Listed 5-wire (1 Ph) or 8-wire (3 Ph) neoprene cord. Extra cord lengths available in 25'-35'-50' length only. Sensor leads & power leads in one cord for easy installation.
- Threaded conduit connection for protecting cords in extra heavy duty applications: 1-1/2" NPT
- Moisture sensors prewired in motor housing (functionality requires indicator circuit in panel)
- Zoeller control panel with intrinsically safe relays and moisture indicator is required with nonautomatic units.
- Simplex seal-fail panel #10-1031 available for automatic units
- 3 phase models available as nonautomatic only
- Motor - 60 Hz, 1750 RPM, oil-filled, hermetically sealed, automatic reset thermal overload protected (3 Ph requires circuit in control panel)
- Maximum temperature for sewage or dewatering 104°F (40°C)
- Shaft seal - stainless steel wetted parts, carbon and ceramic rotary face seal
- Upper ball bearing and lower ball bearing running in bath of oil
- Neoprene square ring seals used throughout.
- All models pass 2" spherical solids.
- Major width 13-5/16".
Height: 23-17/32" (Nonauto) and 24-15/16" (Auto)
- On point 19-3/4"; off point 10" for automatic model
- When ordering, specify 2" or 3" NPT female flanged vertical discharge
- 100% computerized testing and 100% tested submerged in water
- Corrosion-resistant powder coated epoxy finish

NOTE: The sizing of sewage systems normally requires variable level float(s) controls and properly sized basins to achieve required pumping cycles.

X292 - X293 - X294 - X295

(For Pump Prefix Identification see News & Views 0052)

**HIGH HEAD
 EXPLOSION-PROOF**

SUBMERSIBLE
SEWAGE
 OR DEWATERING PUMP

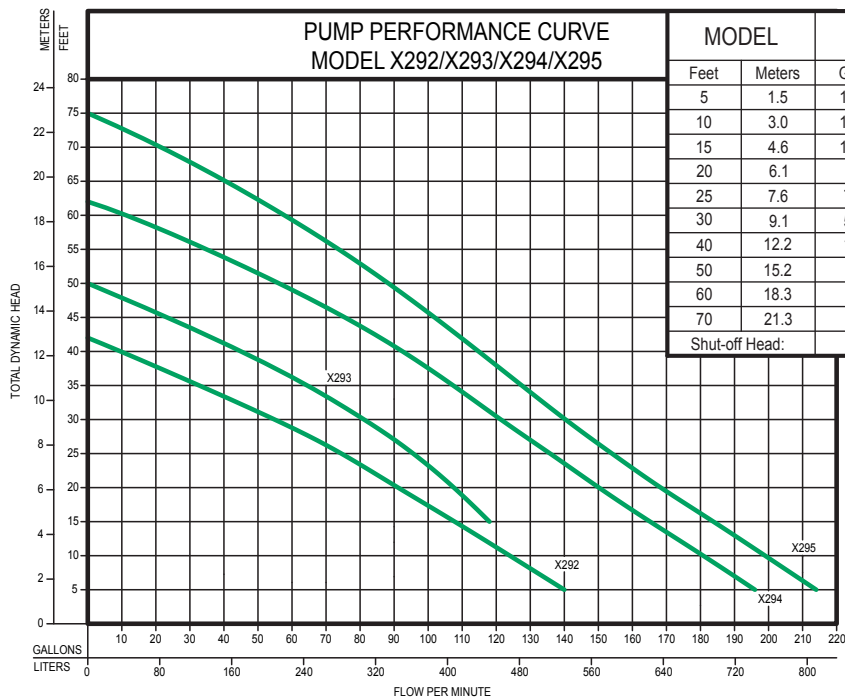
2" OR 3" NPT FLANGE AVAILABLE

Automatic Model**
 Patent No.
 8,535,014

Nonautomatic
 Models for variable
 level systems

Product may not be exactly as pictured.

* See back page For FM Listing.
 ** Use optional model 10-1031 seal failure panel to enable moisture sensor circuit.



MODEL		X292		X293		X294		X295	
Feet	Meters	Gal.	Liters	Gal.	Liters	Gal.	Liters	Gal.	Liters
5	1.5	140	530	--	--	196	742	214	810
10	3.0	124	469	--	--	181	685	199	753
15	4.6	108	409	118	447	165	625	184	696
20	6.1	91	344	108	409	150	568	168	636
25	7.6	75	284	96	363	136	515	154	583
30	9.1	56	212	82	310	121	458	140	530
40	12.2	10	38	48	182	94	356	115	435
50	15.2	--	--	--	--	58	220	89	337
60	18.3	--	--	--	--	13	49	59	223
70	21.3	--	--	--	--	--	--	23	87
Shut-off Head:		42 ft.(12.8m)		50 ft.(15.2m)		62 ft.(18.9m)		75 ft.(22.9m)	

Standard all models - 20 ft. cord - 1/2 H.P.

292 MODELS	Control Selection						Listing	
Single Seal	Volts - Ph	Mode	Amps	Simplex	Duplex	FM	CSA	
MX292	115 1	Auto	15.0	4 & 5	---	Y	Y	
NX292	115 1	Non	15.0	1 & 3	1 & 3 or 2	Y	Y	
BAX292	575 3	Non	2.4	1 & 3	1 & 3 or 2	Y	Y	

Standard all models - 20 ft. cord - 1 H.P.

293 MODELS	Control Selection						Listing	
Single Seal	Volts - Ph	Mode	Amps	Simplex	Duplex	FM	CSA	
DX293	230 1	Auto	10.2	4 & 5	---	Y	Y	
EX293	230 1	Non	10.2	1 & 3	1 & 3 or 2	Y	Y	
HX293	200 1	Auto	12.0	4 & 5	---	Y	Y	
IX293	200 1	Non	12.0	1 & 3	1 & 3 or 2	Y	Y	
FX293	230 3	Non	7.6	1 & 3	1 & 3	Y	Y	
JX293	200 3	Non	8.2	1 & 3	1 & 3	Y	Y	
GX293	460 3	Non	4.0	1 & 3	1 & 3	Y	Y	
BAX293	575 3	Non	3.3	1 & 3	1 & 3	Y	Y	

Standard all models - 20 ft. cord - 1 1/2 H.P.

294 MODELS	Control Selection						Listing	
Single Seal	Volts - Ph	Mode	Amps	Simplex	Duplex	FM	CSA	
DX294	230 1	Auto	13.7	4 & 5	---	Y	Y	
EX294	230 1	Non	13.7	1 & 3	1 & 3 or 2	Y	Y	
HX294	200 1	Auto	17.8	4 & 5	---	Y	Y	
IX294	200 1	Non	17.8	1 & 3	1 & 3 or 2	Y	Y	
FX294	230 3	Non	9.5	1 & 3	1 & 3	Y	Y	
JX294	200 3	Non	10.8	1 & 3	1 & 3	Y	Y	
GX294	460 3	Non	4.8	1 & 3	1 & 3	Y	Y	
BAX294	575 3	Non	3.8	1 & 3	1 & 3	Y	Y	

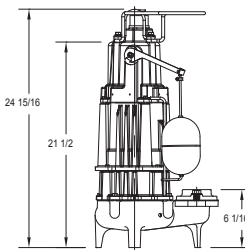
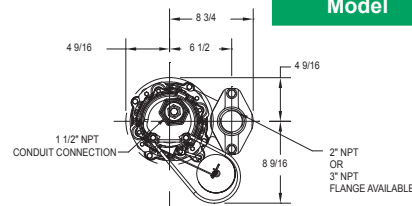
Standard all models - 20 ft. cord - 2 H.P.

295 MODELS	Control Selection						Listing	
Single Seal	Volts - Ph	Mode	Amps	Simplex	Duplex	FM	CSA	
DX295	230 1	Auto	17.1	4 & 5	---	Y	Y	
EX295	230 1	Non	17.1	1 & 3	1 & 3 or 2	Y	Y	
HX295	200 1	Auto	20.5	4 & 5	---	Y	Y	
IX295	200 1	Non	20.5	1 & 3	1 & 3 or 2	Y	Y	
FX295	230 3	Non	12.2	1 & 3	1 & 3	Y	Y	
JX295	200 3	Non	14.3	1 & 3	1 & 3	Y	Y	
GX295	460 3	Non	6.1	1 & 3	1 & 3	Y	Y	
BAX295	575 3	Non	4.9	1 & 3	1 & 3	Y	Y	

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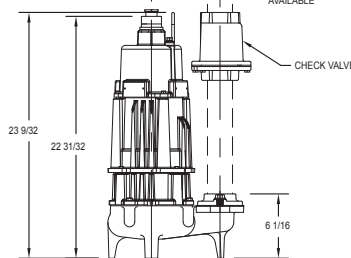
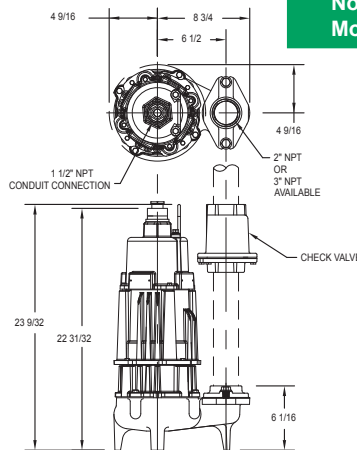
CAUTION Model 293 should not be subjected to less than 15 feet TDH.

Automatic Model



SK2508

Nonautomatic Model



SK1914

SELECTION GUIDE

1. See FM1705 for correct intrinsically safe simplex or duplex panel
2. Mechanical alternator M-Pak 10-0076 or 10-0077 (See FM0495)
3. Variable level control switch used as a control activator. Quantity required dependent upon panel selection
4. Integral float operated mechanical switch, no external control required.
5. Automatic pumps: Use the optional seal failure panel (10-1031) to enable the moisture sensor circuit if required by local codes.

For information on additional Zoeller products refer to catalog on Duplex and Simplex controls, FM1705; Mechanical Alternator, FM0495; Sump/Sewage Basins, FM0487; and Rail Systems, FM0787.

CAUTION All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

RESERVE POWERED DESIGN

For unusual conditions a reserve safety factor is engineered into the design of every Zoeller pump.

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