

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



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visit our web site:
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
- 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 cords 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: 1½" 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 & 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) & 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.

X282 - X284

(For Pump Prefix Identification see News & Views 0052)

EXPLOSION PROOF

SUBMERSIBLE

SEWAGE

OR DEWATERING PUMP

2" OR 3" NPT FLANGE AVAILABLE



Certified to CSA
Standard C22.2 No 145



Automatic Model**

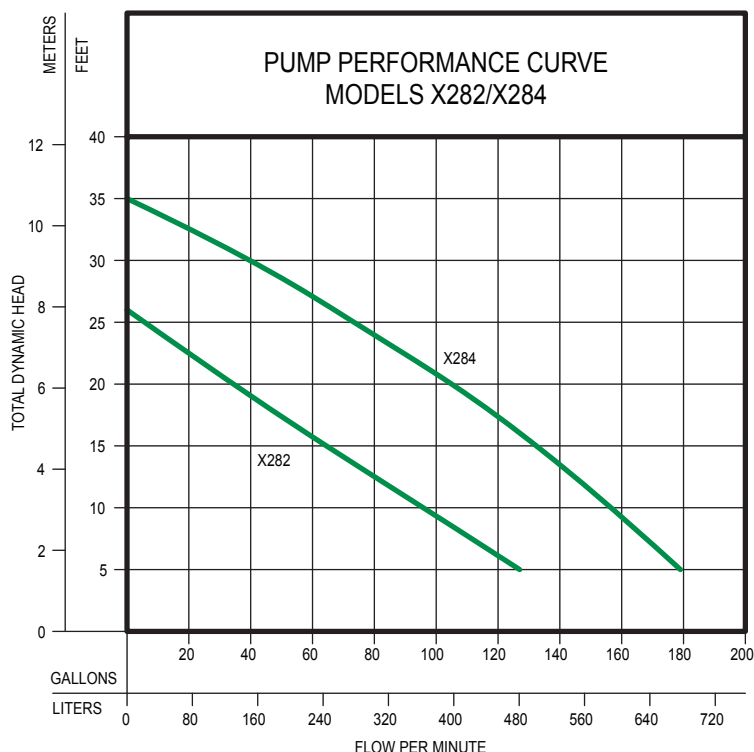
Product may not be exactly as pictured.



Nonautomatic
Models for variable
level systems

*See back page For FM Listing.

**Use optional model 10-1031 seal failure panel to enable moisture sensor circuit on automatic pump models.



**TOTAL DYNAMIC HEAD/FLOW
PER MINUTE
SEWAGE AND DEWATERING**

MODELS		X282		X284	
Feet	Meters	Gal.	Liters	Gal.	Liters
5	1.5	127	481	179	678
10	3.0	96	363	157	594
15	4.6	64	242	133	503
20	6.1	34	129	106	401
25	7.6	6	23	73	276
30	9.1	--	--	42	159
Shut-off Head		26 ft. (7.9m)		35 ft. (10.7m)	

SPECIFICATIONS							CONTROL SELECTION		Listing		
Single Seal Model	Volt	Phase	Mode	Amps	HP	Cord Lgth.	Simplex	Duplex	FM	CSA	
MX282	115	1Ph	Auto	10.3	1/2	20	4 & 5	---	Y	Y	
NX282	115	1Ph	Nonauto	10.3	1/2	20	1 & 3	1 & 3 or 2	Y	Y	
DX282	230	1Ph	Auto	5.0	1/2	20	4 & 5	---	Y	Y	
EX282	230	1Ph	Nonauto	5.0	1/2	20	1 & 3	1 & 3 or 2	Y	Y	
HX282	200	1Ph	Auto	6.1	1/2	20	4 & 5	---	Y	N	
IX282	200	1Ph	Nonauto	6.1	1/2	20	1 & 3	1 & 3 or 2	Y	N	
JX282	200	3Ph	Nonauto	3.6	1/2	20	1 & 3	1 & 3	Y	Y	
FX282	230	3Ph	Nonauto	3.0	1/2	20	1 & 3	1 & 3	Y	Y	
GX282	460	3Ph	Nonauto	1.7	1/2	20	1 & 3	1 & 3	Y	Y	
BAX282	575	3Ph	Nonauto	1.4	1/2	20	1 & 3	1 & 3	Y	Y	
DX284	230	1Ph	Auto	8.9	1	20	4 & 5	---	Y	Y	
EX284	230	1Ph	Nonauto	8.9	1	20	1 & 3	1 & 3 or 2	Y	Y	
HX284	200	1Ph	Auto	9.3	1	20	4 & 5	---	Y	N	
IX284	200	1Ph	Nonauto	9.3	1	20	1 & 3	1 & 3 or 2	Y	N	
JX284	200	3Ph	Nonauto	5.5	1	20	1 & 3	1 & 3	Y	Y	
FX284	230	3Ph	Nonauto	5.0	1	20	1 & 3	1 & 3	Y	Y	
GX284	460	3Ph	Nonauto	2.6	1	20	1 & 3	1 & 3	Y	Y	
BAX284	575	3Ph	Nonauto	2.2	1/2	20	1 & 3	1 & 3	Y	Y	

SELECTION GUIDE

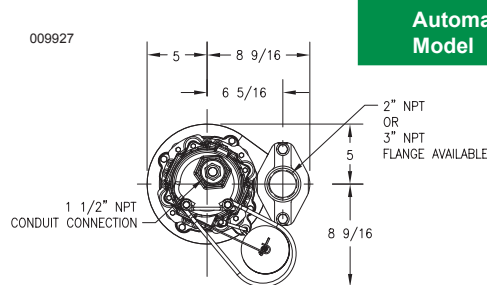
1. See FM1705 for correct intrinsically safe simplex or duplex panel.
2. Mechanical alternator "M-Pak" 10-0076 or 10-0077 (See FM0495).
3. Variable level control switch 10-0225 used as a control activator, with electrical alternator duplex (3) or (4) float system.
4. Integral float operated mechanical 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.



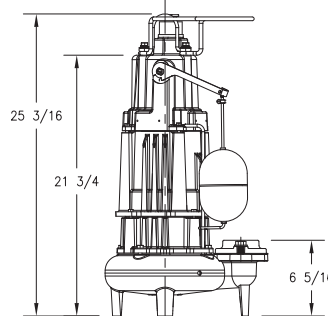
WARNING Not for use in acidic, methanol, or ethyl acetate atmospheres.

For information on additional Zoeller products refer to catalog on Variable level control switch, FM0526; Duplex and Simplex controls, FM1705; Mechanical Alternator, FM0495; Sump/Sewage Basins, FM0487; and Rail Systems, FM0787.

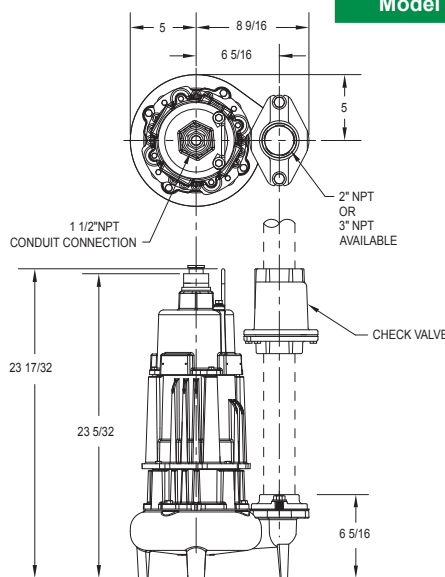
All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).



Automatic Model



SK2507



Nonautomatic Model

SK1913

CAUTION

RESERVE POWERED DESIGN

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

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