

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

PUMP COMPANY

Zoeller Family of Water Solutions™

Patent No. 8,535,014
Automatic model only

**TECHNICAL DATA SHEET
EXPLOSION PROOF SERIES**

**Models X282 & X284 Submersible Sewage Pumps For Hazardous Environments
Class I, Division 1, Group C & D Rated**

PRODUCT SPECIFICATIONS

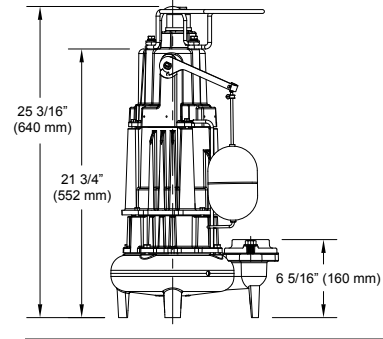
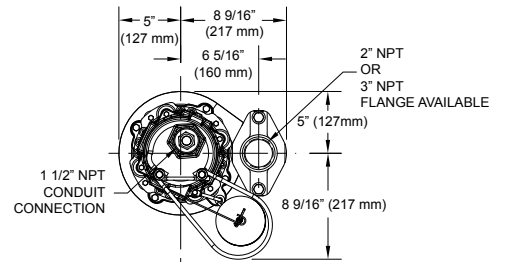
MOTOR	Horse Power	1/2 (X282) or 1 (X284)
	Voltage	115 - 575
	Phase	1 or 3 Ph
	Hertz	60 Hz
	RPM	1750
	Type	Permanent split capacitor or 3 Ph
	Insulation	Class B
	Amps	1.4 - 10.3
PUMP	Operation	Automatic or nonautomatic
	Auto On/Off Points	19-3/4" (50.2 cm) / 10" (25.4 cm)
	Discharge Size	2" or 3" NPT female, flanged vertical
	Solids Handling	2" (50 mm) spherical solids
	Cord Length	20' (6 m) standard
	Cord Type	UL listed 5-wire (1 Ph) or 8-wire (3 Ph) SOOW
	Max. Head	35' (10.7 m)
	Max. Flow Rate	179 GPM (678 LPM)
	Max. Operating Temp.	104° F (40° C)
	Cooling	Oil filled
	Motor Protection	Auto reset thermal overload (1 Ph) or thermal sensor (3 Ph)
MATERIALS	Upper Bearing	Ball bearing
	Lower Bearing	Ball bearing
	Mechanical Seals	Carbon and ceramic w/stainless steel parts
	Impeller Type	Non-clogging vortex
	Impeller	Cast iron
	Hardware	Stainless steel or brass
	Gasket	Neoprene square rings

All Class 30 cast iron construction.

NOTE: The sizing of effluent systems normally requires variable level float(s) controls and properly sized basins to achieve required pumping cycles or dosing timers with nonautomatic pumps.

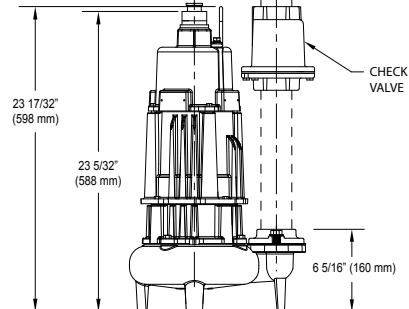
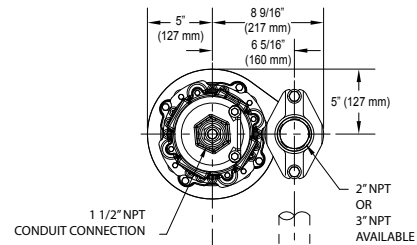
NOTE: See model comparison chart for specific details.

AUTOMATIC



SK2507

NONAUTOMATIC

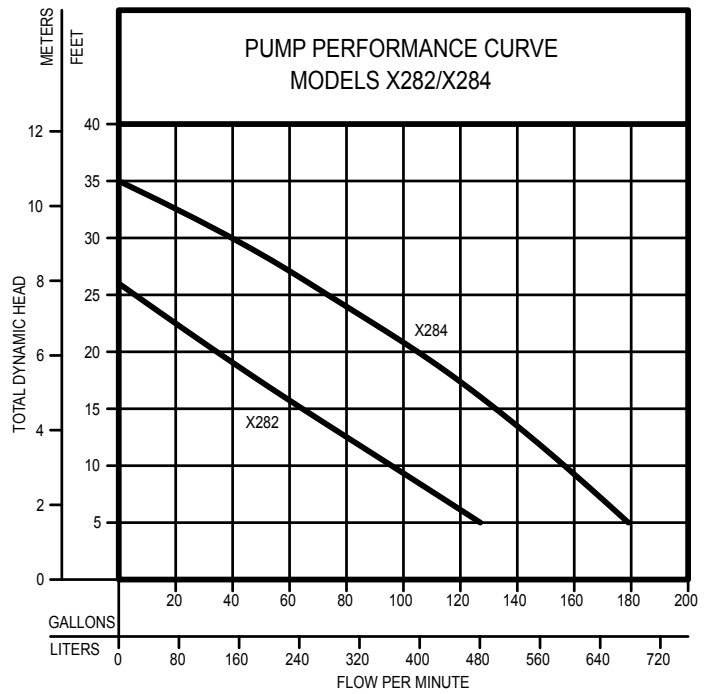


SK1913



TOTAL DYNAMIC HEAD FLOW PER MINUTE

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)	



009927

Model	MODEL COMPARISON										
	Seal	Mode	Volts	Ph	Amps	HP	Hz	Lbs	Kg	Simplex	Duplex
MX282	Single	Auto	115	1	10.3	1/2	60	119	53	3 & 4	---
NX282	Single	Non	115	1	10.3	1/2	60	124	56	1 & 2	1 & 2
DX282	Single	Auto	230	1	5.0	1/2	60	119	53	3 & 4	---
EX282	Single	Non	230	1	5.0	1/2	60	124	56	1 & 2	1 & 2
HX282	Single	Auto	200	1	6.1	1/2	60	119	53	3 & 4	---
IX282	Single	Non	200	1	6.1	1/2	60	127	57	1 & 2	1 & 2
JX282	Single	Non	200	3	3.6	1/2	60	127	57	1 & 2	1 & 2
FX282	Single	Non	230	3	3.0	1/2	60	127	57	1 & 2	1 & 2
GX282	Single	Non	460	3	1.7	1/2	60	127	57	1 & 2	1 & 2
BAX282	Single	Non	575	3	1.4	1/2	60	127	57	1 & 2	1 & 2
DX284	Single	Auto	230	1	8.9	1	60	122	55	3 & 4	---
EX284	Single	Non	230	1	8.9	1	60	124	56	1 & 2	1 & 2
HX284	Single	Non	200	1	9.3	1	60	122	55	3 & 4	---
IX284	Single	Non	200	1	9.3	1	60	127	57	1 & 2	1 & 2
JX284	Single	Non	200	3	5.5	1	60	127	57	1 & 2	1 & 2
FX284	Single	Non	230	3	5.0	1	60	127	57	1 & 2	1 & 2
GX284	Single	Non	460	3	2.6	1	60	127	57	1 & 2	1 & 2
BAX284	Single	Non	575	3	2.2	1	60	127	57	1 & 2	1 & 2

Additional cord lengths are available in 15' (5 m), 35' (11 m) and 50' (15 m).

SELECTION GUIDE

1. See FM1705 for correct intrinsically-safe simplex or duplex panel
2. See FM0526 for variable level control switches rated 30VDC are used as a control activator. Quantity required dependent upon panel selection.
3. Integral float-operated mechanical switch; no external control required
4. Automatic pumps: Use the optional seal-failure panel (10-1031) to enable the moisture sensor circuit if required by local codes

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).