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SECTION: 2.30.020
 FM3515
 0824
 Supersedes
 0423

Patent No. 8,535,014
 Automatic model only



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

TECHNICAL DATA SHEET

EXPLOSION PROOF OR DUST-IGNITION PROOF RATED SERIES

Models X4188 and X4189 Submersible Effluent Pumps for Hazardous Locations

Class I, Division 1, Groups C & D Rated and Class I, Zone 1, Groups IIA & IIB Gas Areas

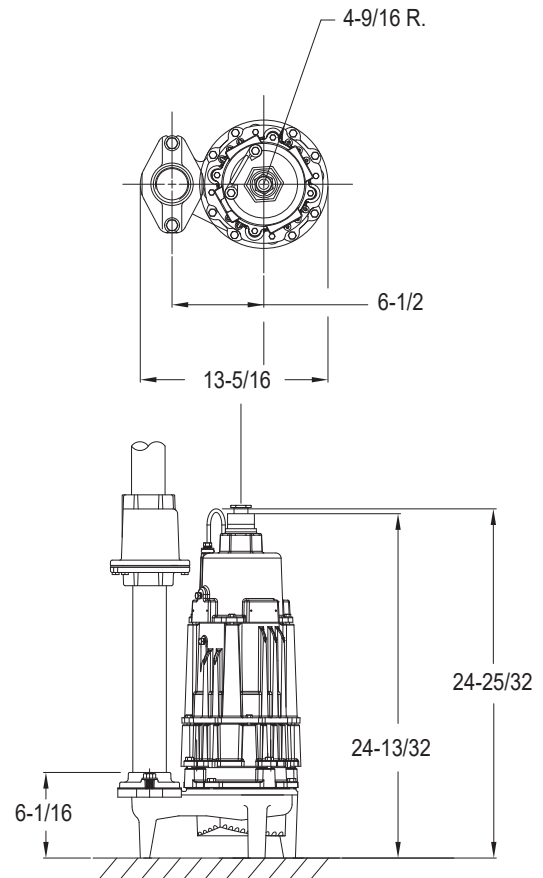
or

Class II, Division 1, Groups E, F & G and Zone 20 Dust Areas

PRODUCT SPECIFICATIONS

MOTOR	Horse Power	1-1/2 - 2 HP
	Voltage	460
	Phase	3 Ph
	Hertz	60 Hz
	RPM	3450
	Insulation	Class F
	Amps	4.6 - 6.0
PUMP	Operation	Nonautomatic
	Discharge Size	1-1/2" NPT*
	Solids Handling	3/4" (19 mm)
	Cord Length	25' (7.6 m), Optional 50' (15.2 m)
	Cord Type	UL listed 8-wire (3 Ph) SOOW
	Max. Head	110' (33.5 m)
	Max. Flow Rate	145 GPM (549 LPM)
	Max. Operating Temp.	104 °F (40 °C)
	Cooling	Oil filled
	Motor Protection	Thermal sensor
MATERIALS	Upper Bearing	Ball bearing
	Lower Bearing	Ball bearing
	Mechanical Seals	Carbon and ceramic with stainless steel parts
	Impeller Type	Non-clogging vortex
	Impeller	Cast Iron
	Hardware	Stainless steel or brass
	Motor Shaft	416 stainless steel
	Gasket	Neoprene square rings

NONAUTOMATIC



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: Pump tags will be specific to either gas or dust areas

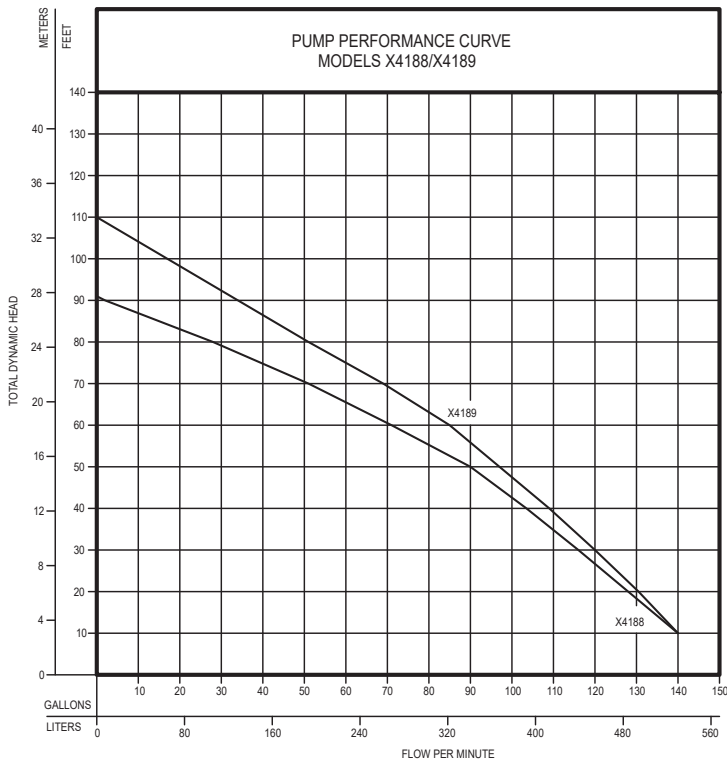
* Optional discharge flanges available:

- 10-1305 - 2"
- 10-1306 - 3"

SK1992



TOTAL DYNAMIC HEAD FLOW PER MINUTE



TOTAL DYNAMIC HEAD/FLOW PER MINUTE
EFFLUENT AND DEWATERING

MODELS		X4188		X4189	
Feet	Meters	Gal.	Liters	Gal.	Liters
5	1.5	145	549	145	549
10	3.0	140	530	140	530
20	6.1	128	484	130.5	494
30	9.1	116	439	120	454
40	12.2	103.5	392	109	413
50	15.2	90	341	97	367
60	18.3	71	269	85	322
70	21.3	51	193	69	261
80	24.4	28	106	51	193
90	27.4	2	8	34	129
100	30.5	--	--	17	64
110	32	--	--	--	--
120	36.6	--	--	--	--
130	39.6	--	--	--	--
Shut-off Head		91 ft. (28m)		110 ft. (34m)	

009903

Model	MODEL COMPARISON									
	*Mode	Volts	Ph	Amps	HP	Hz	Lbs	Kg	Simplex	Duplex
GX4188	Non	460	3	4.6	1-1/2	60	126	57	1 & 2	1 & 2
GX4189	Non	460	3	6.0	2	60	126	57	1 & 2	1 & 2

*For non-auto models, water level switch is required to be set at a minimal off point of 10 inches to meet dust-ignition proof certification requirements.
All Models are, cCSAus certified for hazardous gas or dust locations.
Tested to FM Standards 3600 & 3615 & 3616 by CSA

NOTE:

1. See FM3459 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.

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).