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



SECTION: Z4.30.050

ZM2596

1121

Supersedes

0519

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HAZARDOUS LOCATION SERIES

CLASS I, DIVISION 1, GROUPS C & D
 CLASS I, ZONE 1, GROUPS IIA & IIB
 2 HP GRINDER PUMPS TECHNICAL DATA



Certified to CSA Standard C22.2 No. 145

Tested to FM Standard 3600 & 3615

MODELS:	<input type="checkbox"/> X7011	<input type="checkbox"/> X7012	<input type="checkbox"/> X7013
CONFIGURATION:	REVERSING	HIGH HEAD	HIGH FLOW
PUMP NAME PLATE HORSEPOWER:	2.0	2.0	2.0
SERVICE FACTOR:	1.2	1.2	1.2
NEC LOCKED ROTOR CODE:	K	K	K
MAXIMUM KW INPUT:	3.9	3.9	3.9
STANDARD IMPELLER DIAMETER:	5.515" (140.0 mm)	6.188" (157.2 mm)	6.188" (157.2 mm)
DISCHARGE SIZE:	1.25" NPT	1.25" NPT	1.25" NPT

IMPELLER TYPE:	VORTEX	TANDEM SEALS:	STANDARD
CUTTER & PLATE:	440C SS HARDENED TO ROCKWELL C55-60	MOTOR DESIGN LETTER:	NEMA B (3 Ph) NEMA L (1Ph)
PUMP NET WEIGHT: lbs.	139 lbs. (63.0 kg)	POWER CORD LENGTH: ft(m) (20' STANDARD) (6.1 m)	<input type="checkbox"/> 25' <input type="checkbox"/> 35' <input type="checkbox"/> 50'
O-RINGS:	VITON		(7.6 m) (10.7 m) (15.2 m)
MOTOR SHAFT:	416 SS	POWER CORD:	14 GAUGE SOW
RPM:	3450	STATOR & LEAD WIRES INSULATION:	CLASS F
MOTOR TYPE:	SUBMERSIBLE EXPLOSION PROOF*	MAXIMUM STATOR TEMPERATURE:	311 °F (155 °C)

SHAFT SEAL CONSTRUCTION:	STANDARD	CARBON/CERAMIC UPPER CARBON/SILICON CARBIDE LOWER
	OPTIONAL UPPER	<input type="checkbox"/> CARBON /SILICON CARBIDE <input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE
	OPTIONAL LOWER	<input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE
STANDARD SENSING DEVICES**	MOTOR THERMAL SHUTOFF	THERMAL SENSORS
	MOISTURE DETECTION	MOISTURE SENSING PROBES
IMPELLER MATERIAL	DUCTILE IRON	<input type="checkbox"/> OPTIONAL BRONZE
IMPELLER TRIM - MODELS X7011 & X7013 ONLY:	<input type="checkbox"/> OPTIONAL	DESIGN POINT: ___ GPM @ ___' TDH, IMPELLER DIA. ___"
MAXIMUM WATER TEMPERATURE:		104 °F (40 °C)

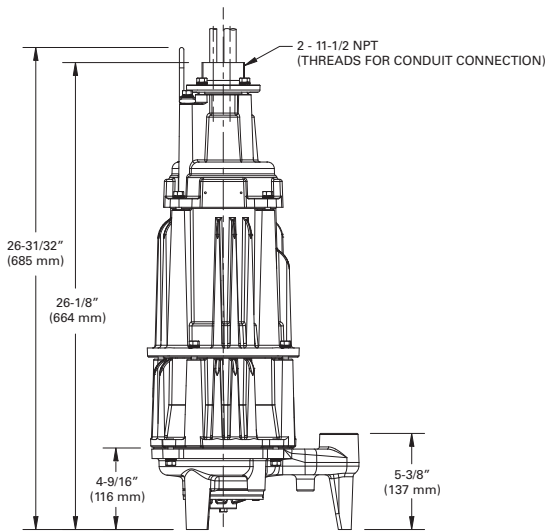
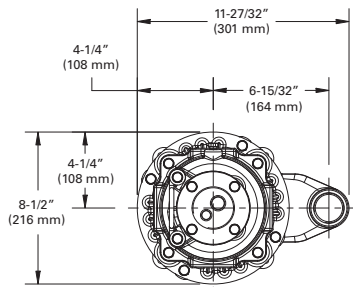
* Level sensors must be intrinsically safe to maintain rating.

** Requires a circuit in control panel to function.

MODEL	HP	SERVICE FACTOR	<input type="checkbox"/> 200V / 1 PH		<input type="checkbox"/> 230V / 1 PH		<input type="checkbox"/> 200V / 3 PH		<input type="checkbox"/> 230V / 3 PH		<input type="checkbox"/> 460V / 3 PH		<input type="checkbox"/> 575V / 3 PH	
			FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA
X7011	2.0	1.2	20.0	60.7	17.2	57.3	12.3	47.0	10.8	41.9	5.5	20.6	4.5	16.2
X7012	2.0	1.2	20.0	60.7	17.2	57.3	12.3	47.0	10.8	41.9	5.5	20.6	4.5	16.2
X7013	2.0	1.2	20.0	60.7	17.2	57.3	12.3	47.0	10.8	41.9	5.5	20.6	4.5	16.2

FEATURES

- Durable epoxy coated cast iron construction
- Bearings - upper and lower ball bearing
- Stainless steel motor shaft
- Motor - 2 HP, 60 Hz, 3450 RPM, 1 & 3 Ph, oil-filled, hermetically sealed, thermal sensor protected
- Dual mechanical shaft seals - upper carbon/ceramic, Lower silicon carbide/carbon
- Viton O-ring seals and cover gasket
- Impeller - Non-clogging ductile iron (X7011 & X7013) or bronze (X7012) vortex impeller
- X7011 Reversing model
- X7012 High head model
- X7013 High flow model
- 20 for UL Listed 3-wire SOOW cord. Longer cords available in 25', 35' & 50'.
- Hardened 440C stainless steel cutter and disc, Rockwell C55-60
- 304 SS hardware
- 1.25" NPT discharge
- 100% computerized tested

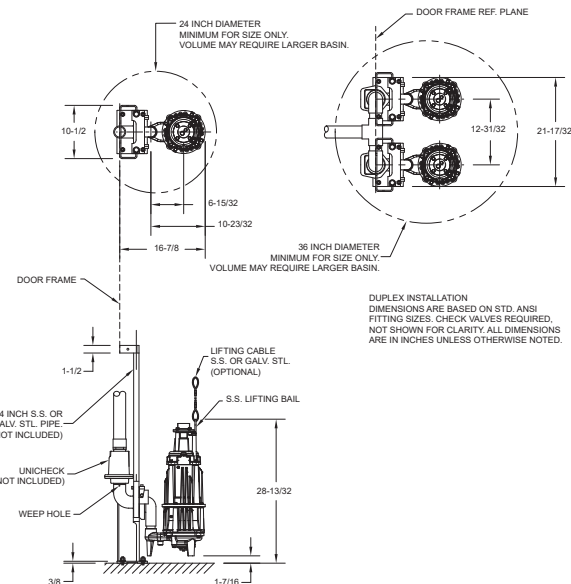


SK2837

Standad all models - 20 ft. cord - 2 HP				
X7011 Models	Control Section			Listed
	Volts	Ph	Amps	cCSAus
EX7011	230	1	17.2	Yes
IX7011	200	1	20.0	Yes
FX7011	230	3	10.8	Yes
JX7011	200	3	12.3	Yes
GX7011	460	3	5.5	Yes
BAX7011	575	3	4.5	Yes

Standad all models - 20 ft. cord - 2 HP				
X7012 Models	Control Section			Listed
	Volts	Ph	Amps	cCSAus
E7X012	230	1	17.2	Yes
IX7012	200	1	20.0	Yes
FX7012	230	3	10.8	Yes
JX7012	200	3	12.3	Yes
GX7012	460	3	5.5	Yes
BAX7012	575	3	4.5	Yes

Standad all models - 20 ft. cord - 2 HP				
X7013 Models	Control Section			Listed
	Volts	Ph	Amps	cCSAus
EX7013	230	1	17.2	Yes
IX7013	200	1	20.0	Yes
FX7013	230	3	10.8	Yes
JX7013	200	3	12.3	Yes
GX7013	460	3	5.5	Yes
BAX7013	575	3	4.5	Yes



SK2842

RESERVE POWERED DESIGN

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

Zoeller® Engineered Products • 3649 Cane Run Road • Louisville, Kentucky 40211-1961 • (502) 778-2731

SWPA Data Categories Presented -- Data on this sheet supply design information as the minimum recommended by the Submersible Wastewater Pump Association and is defined in accordance with SWPA's Standardized Definitions for Pump and Motor Characteristics. The accuracy of the data is the responsibility of Zoeller® Engineered Products.

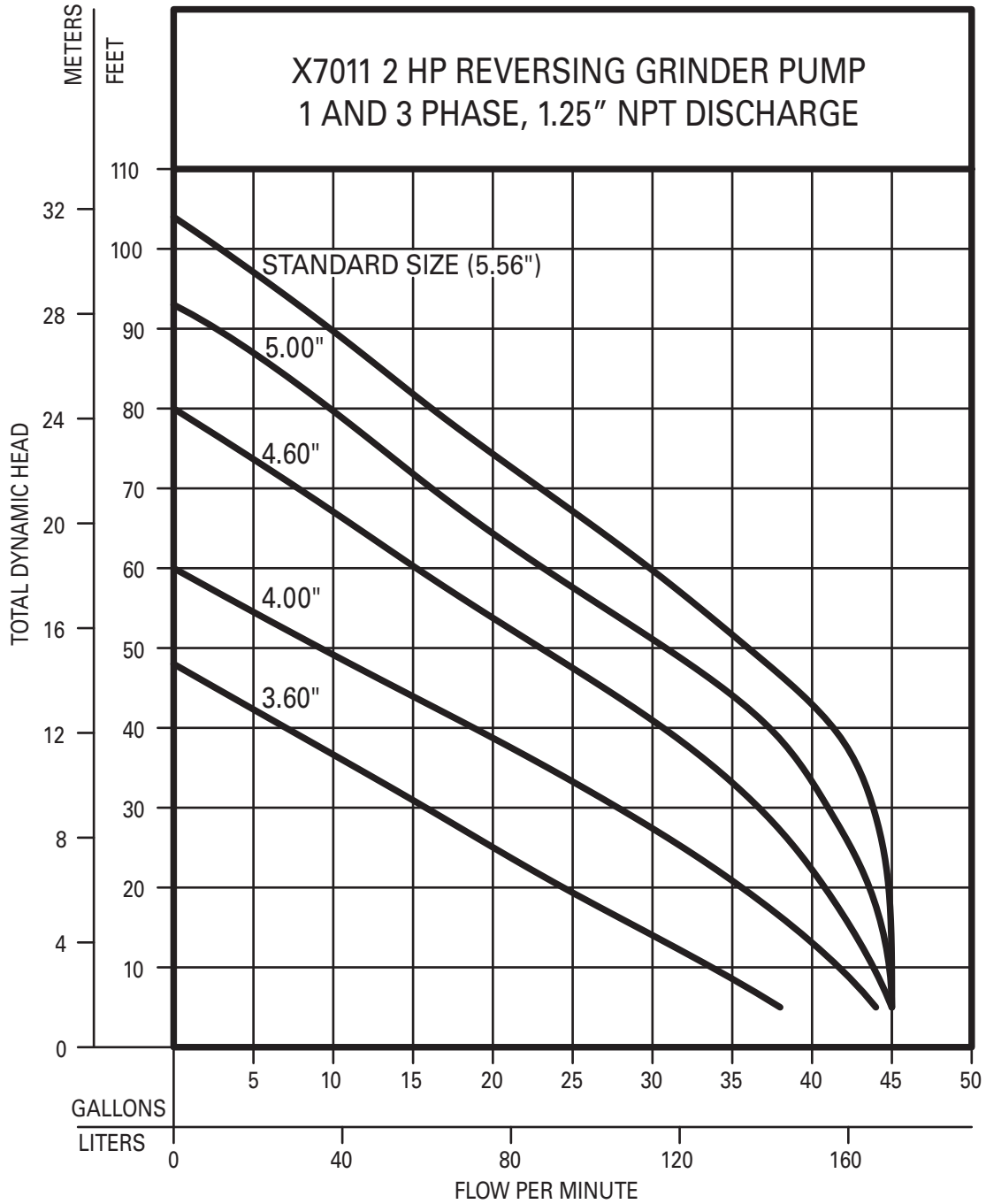


Patent No.
6,364,620

X7011 REVERSING
 CLASS I, DIVISION 1, GROUPS C & D
 CLASS I, ZONE 1, GROUPS IIA & IIB
PERFORMANCE DATA
2HD Grinder Pump



CSA US
 Certified to CSA Standard
 C22.2 No. 145
 Tested to FM Standard
 3600 & 3615



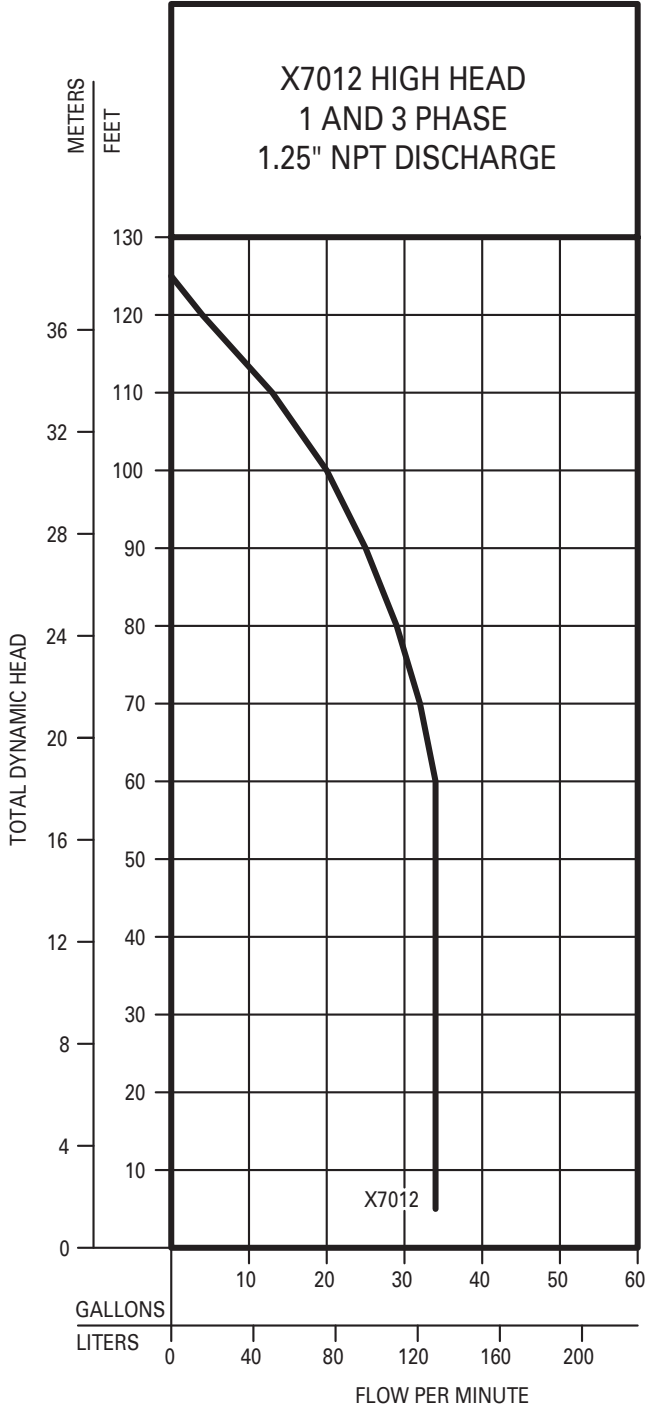
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MODELS X7012 & X7013
CLASS I, DIVISION 1, GROUPS C & D
CLASS I, ZONE 1, GROUPS IIA & IIB
PERFORMANCE DATA
2HP Grinder Pump

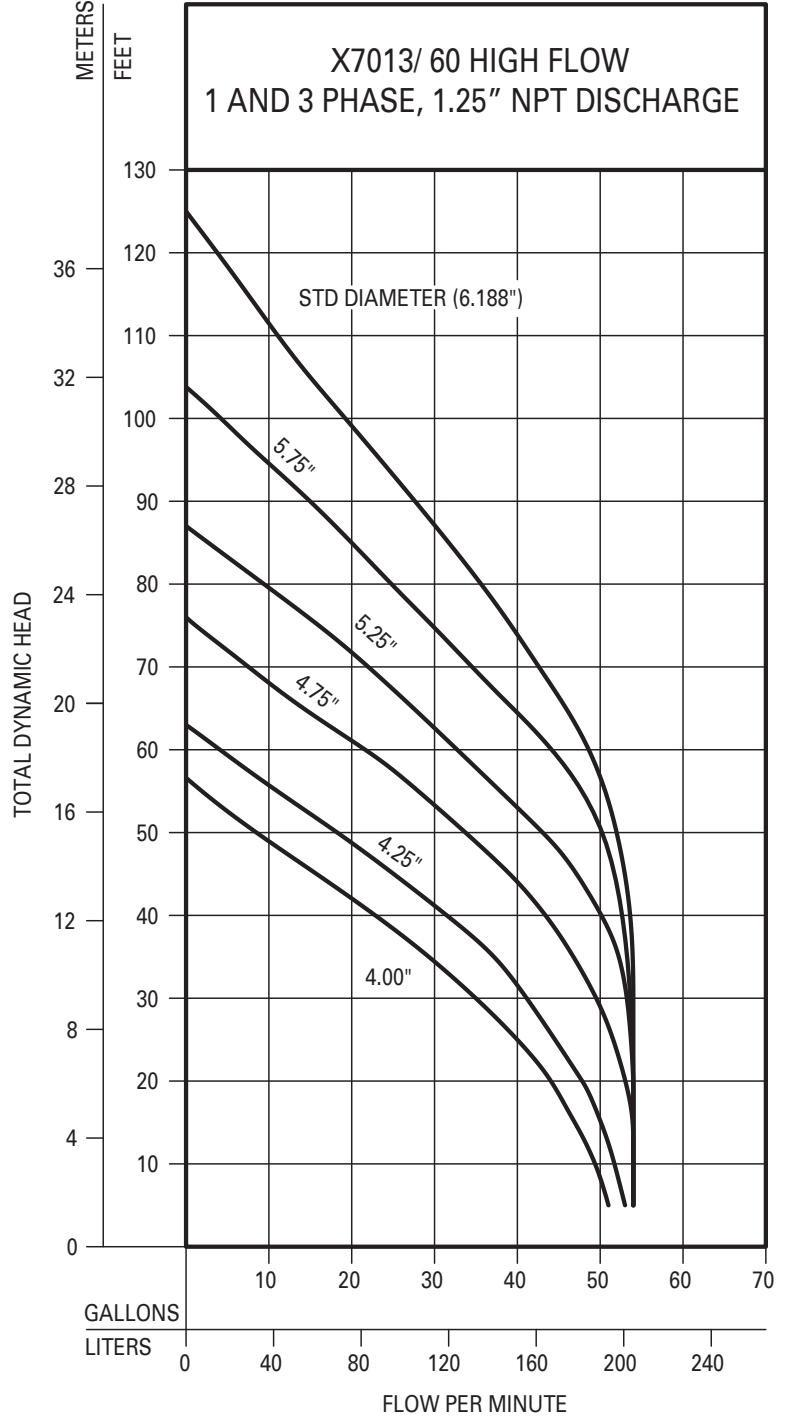


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