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SECTION: Z3.30.130

ZM2206

1021

Supersedes

0920

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



MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347  
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## X61 HD HAZARDOUS LOCATION SERIES

### TECHNICAL DATA

CLASS I, DIVISION 1, GROUPS C & D

CLASS I, ZONE 1, GROUPS IIA & IIB

5, 7.5 & 10 HP / 3450 RPM



MODEL NUMBER:	<input type="checkbox"/> X6111	<input type="checkbox"/> X6112	<input type="checkbox"/> X6113
PUMP NAME PLATE HORSEPOWER: BHP	5	7.5	10.0
SERVICE FACTOR:	1.2	1.2	1.0
NEC LOCKED ROTOR CODE:	E	D	B
MAXIMUM KW INPUT:	5.3	7.8	10.5
3 PHASE IMPELLER DIA.: in (mm) STANDARD	4-3/8" (111 mm)	4-3/4" (121 mm)	5-1/8" (130 mm)
DISCHARGE SIZE:	<input type="checkbox"/> 3" NPT Vertical <input type="checkbox"/> 3" Horizontal Flange <input type="checkbox"/> 4" Horizontal Flange		

SOLID SIZE: in (mm)	2-1/2"(64 mm)	TANDEM SEALS:	Standard
IMPELLER TYPE:	Bronze Semi-open OPTIONAL <input type="checkbox"/> Ductile iron Vortex	MOTOR DESIGN LETTER:	NEMA B
FLANGE:	ANSI B16.1	POWER & SENSOR CORD LENGTH: ft (m)	25' (7.6 m)
PUMP NET WEIGHT: lbs. (kg)	245 lbs. (111kg)	OPTIONAL CORD LENGTH:	<input type="checkbox"/> 50' (15.2 m) <input type="checkbox"/> _____'
MOTOR SHAFT	416 SS	POWER/SENSOR CORD:	#12-4 SOOW* /#18-5 SOOW**
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
	OPTIONAL UPPER	<input type="checkbox"/> CARBON /SILICON CARBIDE <input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE
	OPTIONAL LOWER	<input type="checkbox"/> CARBON /SILICON CARBIDE <input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE
O-RING ELASTOMERS	STANDARD	BUNA-N
	OPTIONAL	<input type="checkbox"/> VITON
SENSING DEVICES**	MOTOR THERMAL SHUTOFF	THERMAL SENSORS WITH AUTOMATIC RESET
	MOISTURE DETECTION	MOISTURE SENSING PROBES
IMPELLER TRIM:	OPTIONAL	<input type="checkbox"/> DESIGN POINT: _____ GPM @ _____' TDH, IMPELLER DIA. _____"
RECOMMENDED FLUID LEVEL FOR CONTINUOUS OPERATION: in (m)		24" (0.6 m) (FOR CONTINUOUS DUTY, REFER TO WARRANTY)
MAXIMUM WATER TEMPERATURE FOR CONTINUOUS OPERATION:		104 °F (40 °C)

\* Units with FLA ratings greater than 20 amps use a #8-4 gauge power cord.

\*\* Requires a circuit in control panel to function.

MODEL	BHP	SERVICE FACTOR	<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
6111	5.0	1.2	28.0	132.0	17.5	66.0	15.2	57.0	7.6	28.5	6.1	25.2
6112	7.5	1.2	--	--	25.3	94.0	22.0	82.0	11.0	41.0	9.0	36.0
6113	10.0	1.0	--	--	32.2	94.0	28.0	82.0	14.0	41.0	11.0	36.0

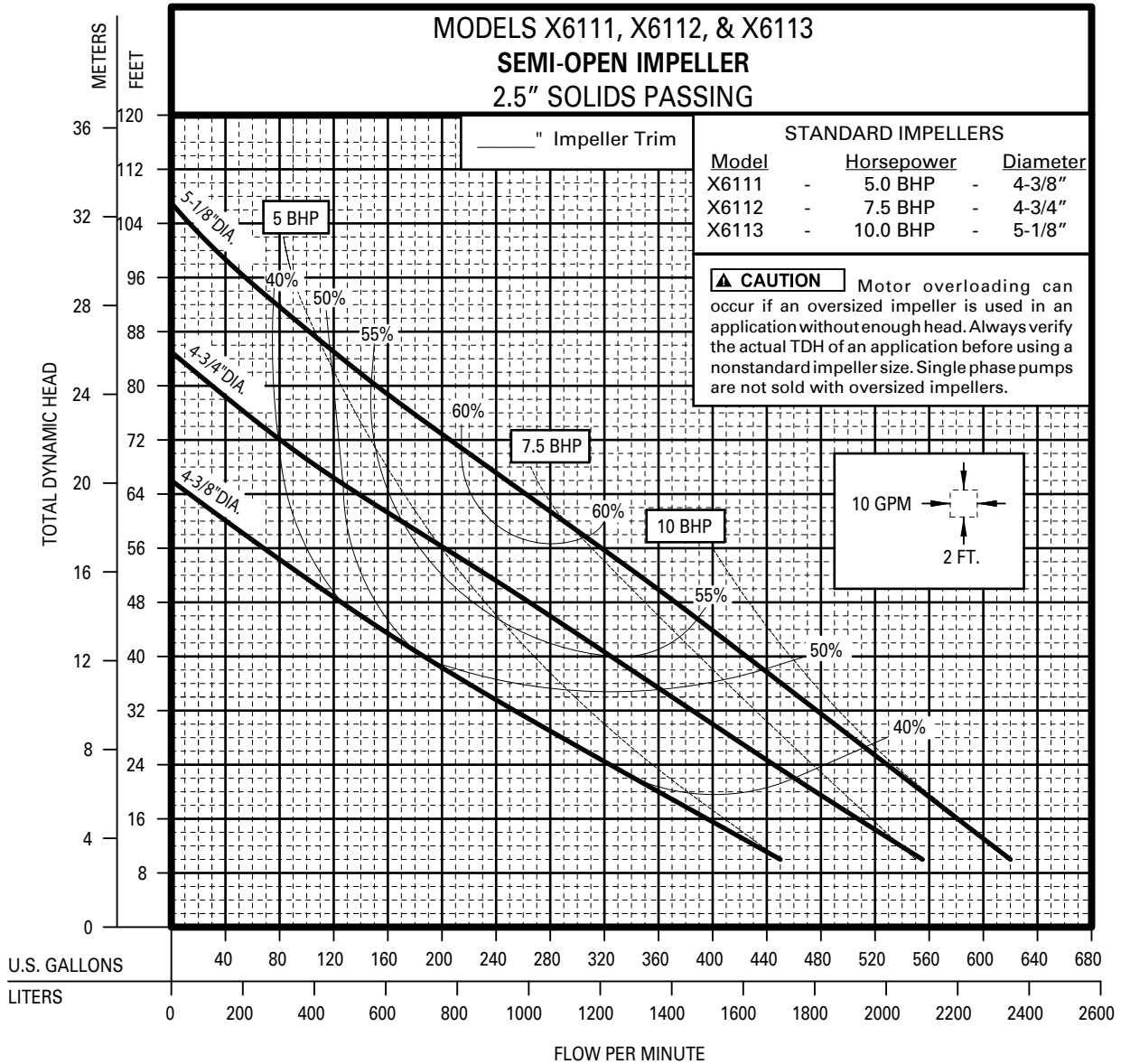


# SEMI-OPEN IMPELLER PERFORMANCE DATA

*3" Vertical, Horizontal & 4" Horizontal Discharge  
2-1/2" Solids Passing Capacity*



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



A00521X

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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.

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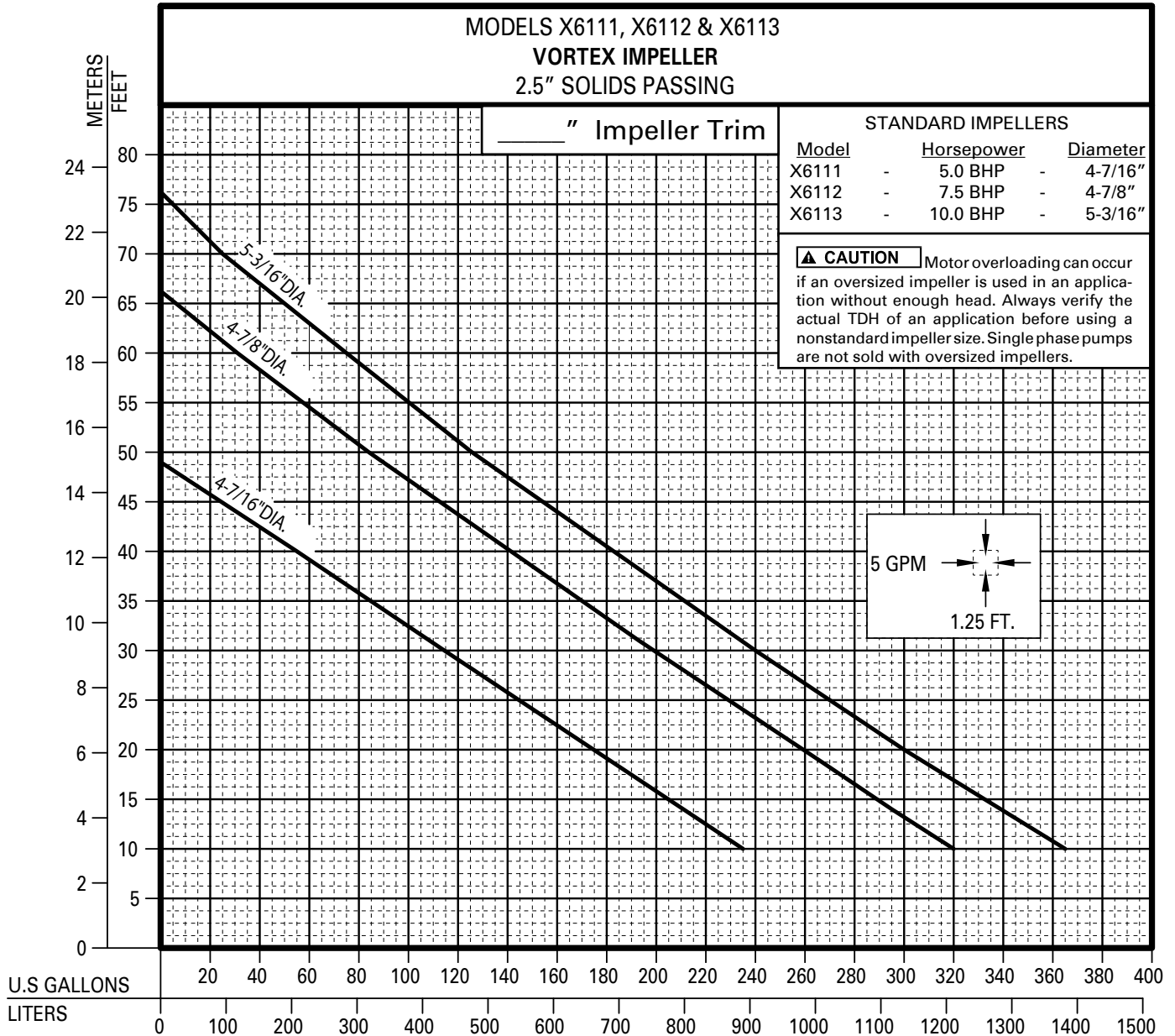
# VORTEX IMPELLER

## PERFORMANCE DATA

*3" Vertical, Horizontal & 4" Horizontal Discharge*  
*2-1/2" Solids Passing Capacity*



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



## RESERVE POWERED DESIGN

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

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