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Patent No.
6,364,620



SECTION: Z5.30.200
ZM2196
0624
Supersedes
0823

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



X61 HD HAZARDOUS LOCATION SERIES

TECHNICAL DATA

CLASS I, DIVISION 1, GROUPS C & D

CLASS I, ZONE 1, GROUPS IIA & IIB

1 - 7.5 HP / 1750 RPM



MODEL NUMBER:	<input type="checkbox"/> X6120	<input type="checkbox"/> X6121	<input type="checkbox"/> X6122	<input type="checkbox"/> X6123	<input type="checkbox"/> X6124	<input type="checkbox"/> X6125
PUMP NAME PLATE HORSEPOWER: BHP	1.0	1.5	2.0	3.0	5.0	7.5
SERVICE FACTOR:	1.2	1.2	1.2	1.2	1.2	1.0
NEC LOCKED ROTOR CODE:	M	J	K	F	E	C
MAXIMUM KW INPUT:	1.4	1.9	2.4	3.5	5.5	6.9
3 PHASE IMPELLER DIA.: in (mm) STANDARD	4-7/8" (124 mm)	5-3/8" (137 mm)	5-3/4" (146 mm)	6-3/8" (162 mm)	7" (178 mm)	7-1/2" (191 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) OPTIONAL <input type="checkbox"/> 3"(76 mm)	TANDEM SEALS:	Standard
IMPELLER TYPE:	Ductile iron 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)	295 lbs. (134kg)	OPTIONAL CORD LENGTH:	<input type="checkbox"/> 50' (15.2 m)
MOTOR SHAFT	416 SS	POWER/SENSOR CORD:	#12-4 SOOW* / #18-5 SOOW**
RPM:	1750	STATOR & LEAD WIRES INSULATION:	Class F
MOTOR TYPE:	STANDARD SUBMERSIBLE <input type="checkbox"/> **** INVERTER DUTY SUBMERSIBLE (1-5 BHP, 230/460 VOLT, 3 PHASE ONLY)	MAXIMUM STATOR TEMPERATURE:	311 °F (155 °C)

SHAFT SEAL CONSTRUCTION:	STANDARD	UPPER - CARBON CERAMIC LOWER - SILICON CARBIDE/SILICON CARBIDE
	OPTIONAL UPPER	<input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE <input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE VITON
	OPTIONAL LOWER	<input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE VITON
O-RING ELASTOMERS	STANDARD	BUNA-N
	OPTIONAL	<input type="checkbox"/> VITON
SENSING DEVICES**	MOTOR THERMAL SHUTOFF	THERMAL SENSORS
	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)	

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

** Requires a circuit in control panel to function.

**** 30-60Hz Max, NEMA MG-1, Part 30, cCSAus certified with type VPWM inverter, 230/460 Volt, 3 Ph models only

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	
			FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA
X6120	1	1.2	6.9	48.0	4.8	32.0	4.2	28.0	2.1	14.0
X6121	1.5	1.2	8.9	48.0	5.9	32.0	5.1	28.0	2.6	14.0
X6122	2	1.2	14.5	86.0	7.8	46.0	6.8	41.0	3.4	20.5
X6123	3	1.2	17.0	86.0	11.0	46.0	9.6	41.0	4.8	20.5
X6124	5	1.2	28.0	139.0	17.5	64.0	15.2	58.0	7.6	29.0
X6125	7.5	1.0	--	--	25.3	83.0	22.0	72.0	11.0	36.0



SEMI-OPEN IMPELLER

PERFORMANCE DATA

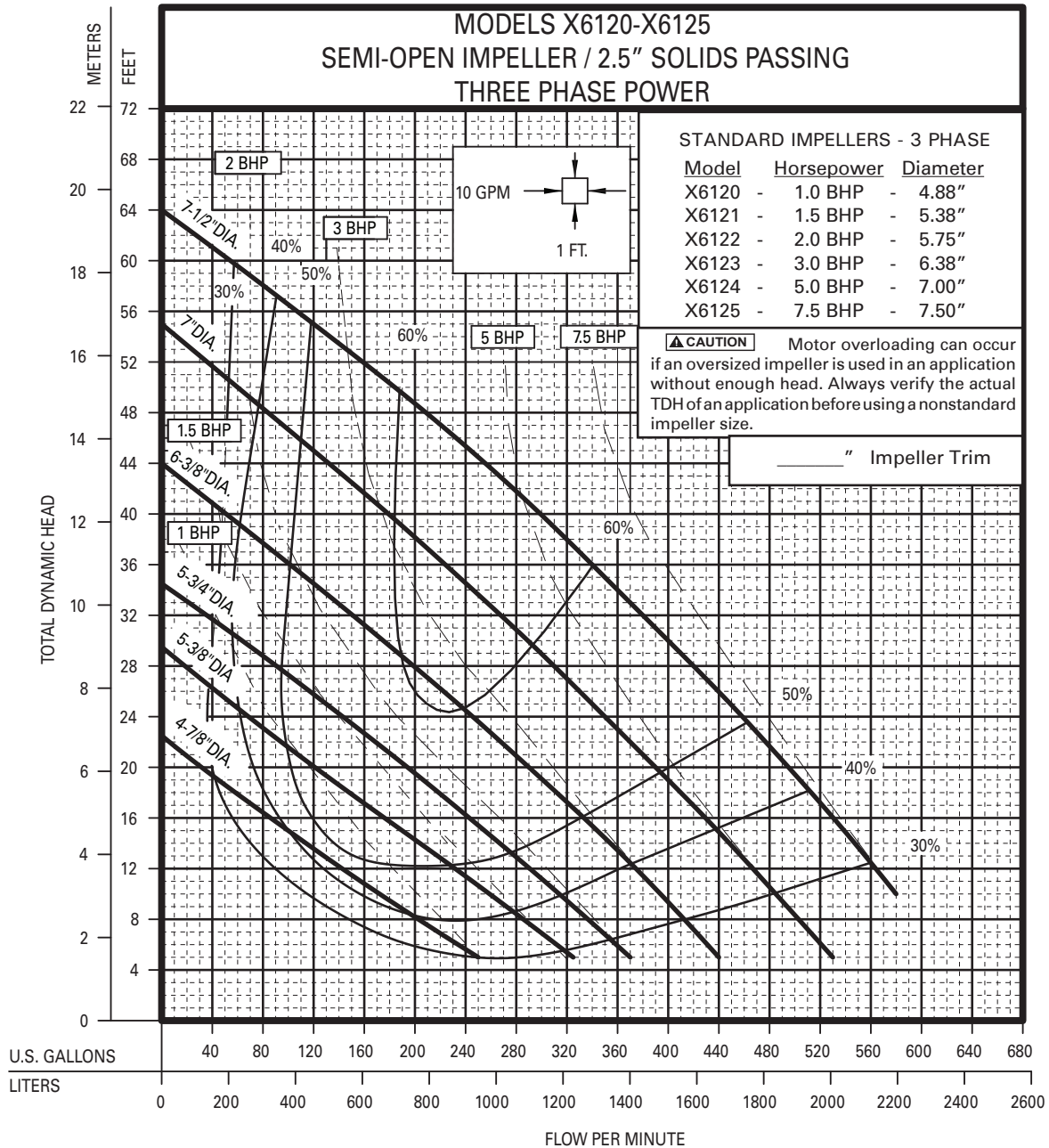
3 PHASE

3" Vertical Discharge

2-1/2" Solids Passing Capacity



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



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SEMI-OPEN IMPELLER

PERFORMANCE DATA

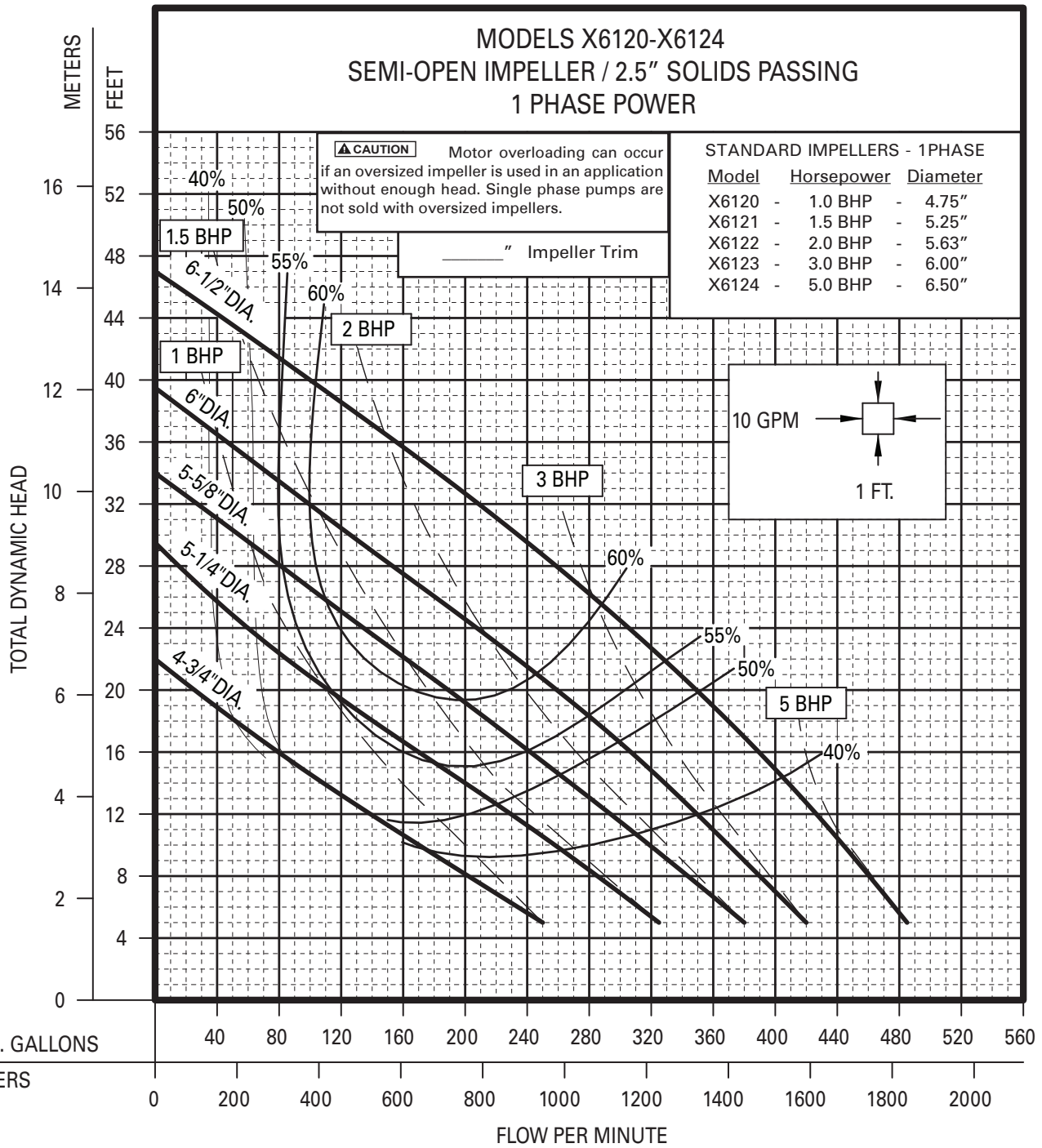
1 PHASE

3" Vertical Discharge

2-1/2" Solids Passing Capacity



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



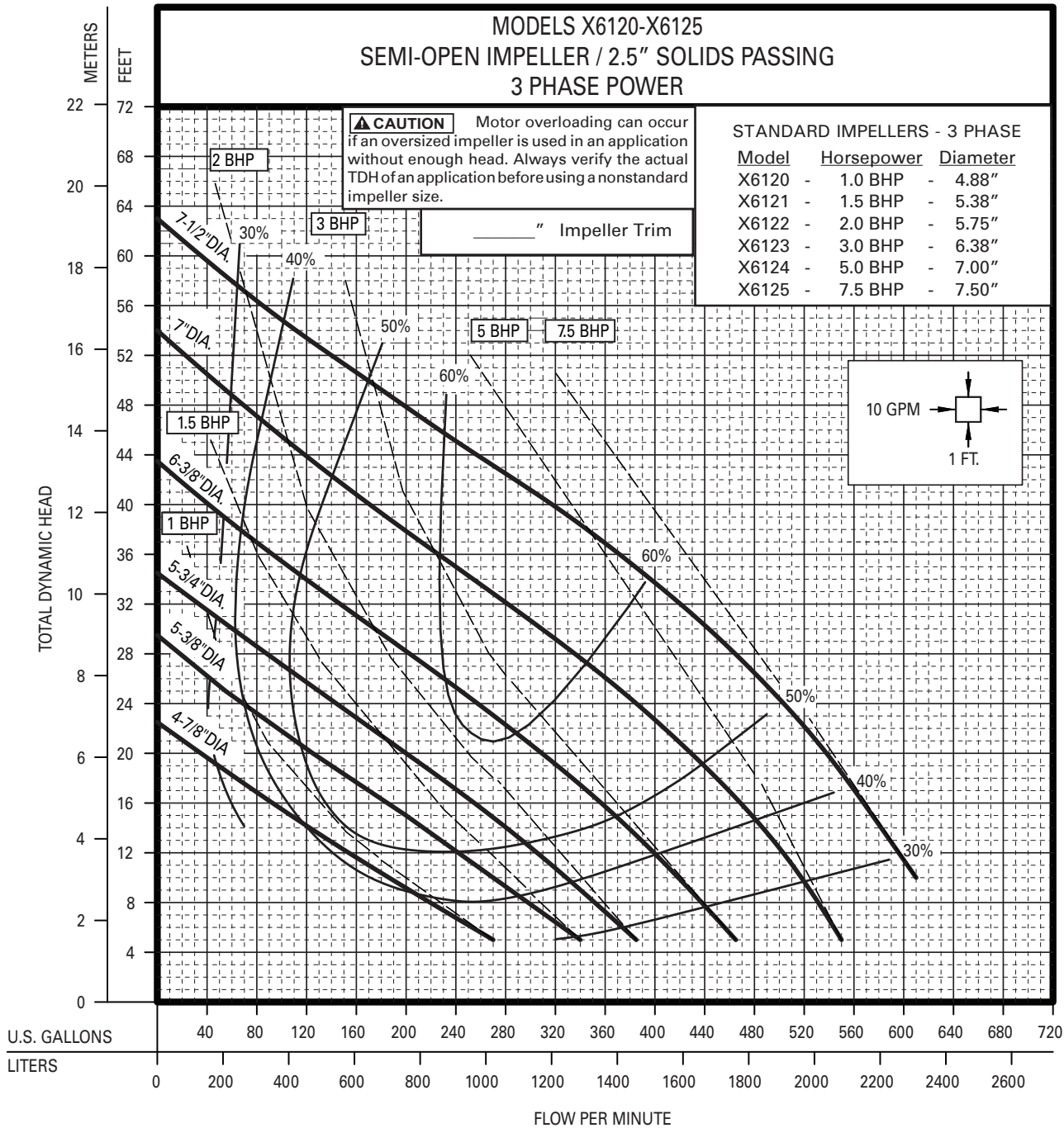
A00672X

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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.

SEMI-OPEN IMPELLER PERFORMANCE DATA 3 PHASE

*3" & 4" Horizontal Flanged Discharge
2-1/12" Solids Passing Capacity*





SEMI-OPEN IMPELLER

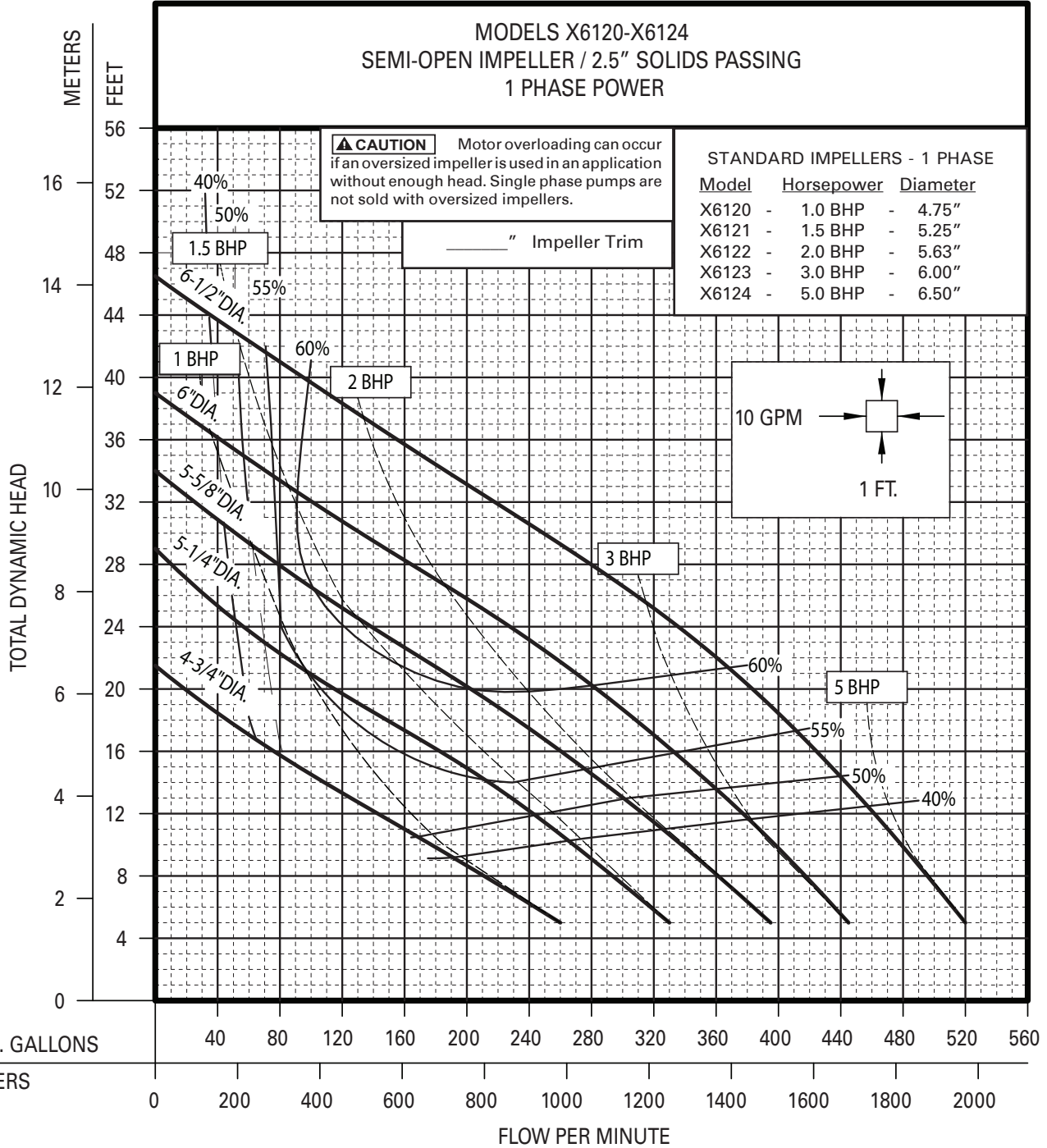
PERFORMANCE DATA

1 PHASE

3" & 4" Horizontal Flanged Discharge
2-1/2" Solids Passing Capacity



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SEMI-OPEN IMPELLER

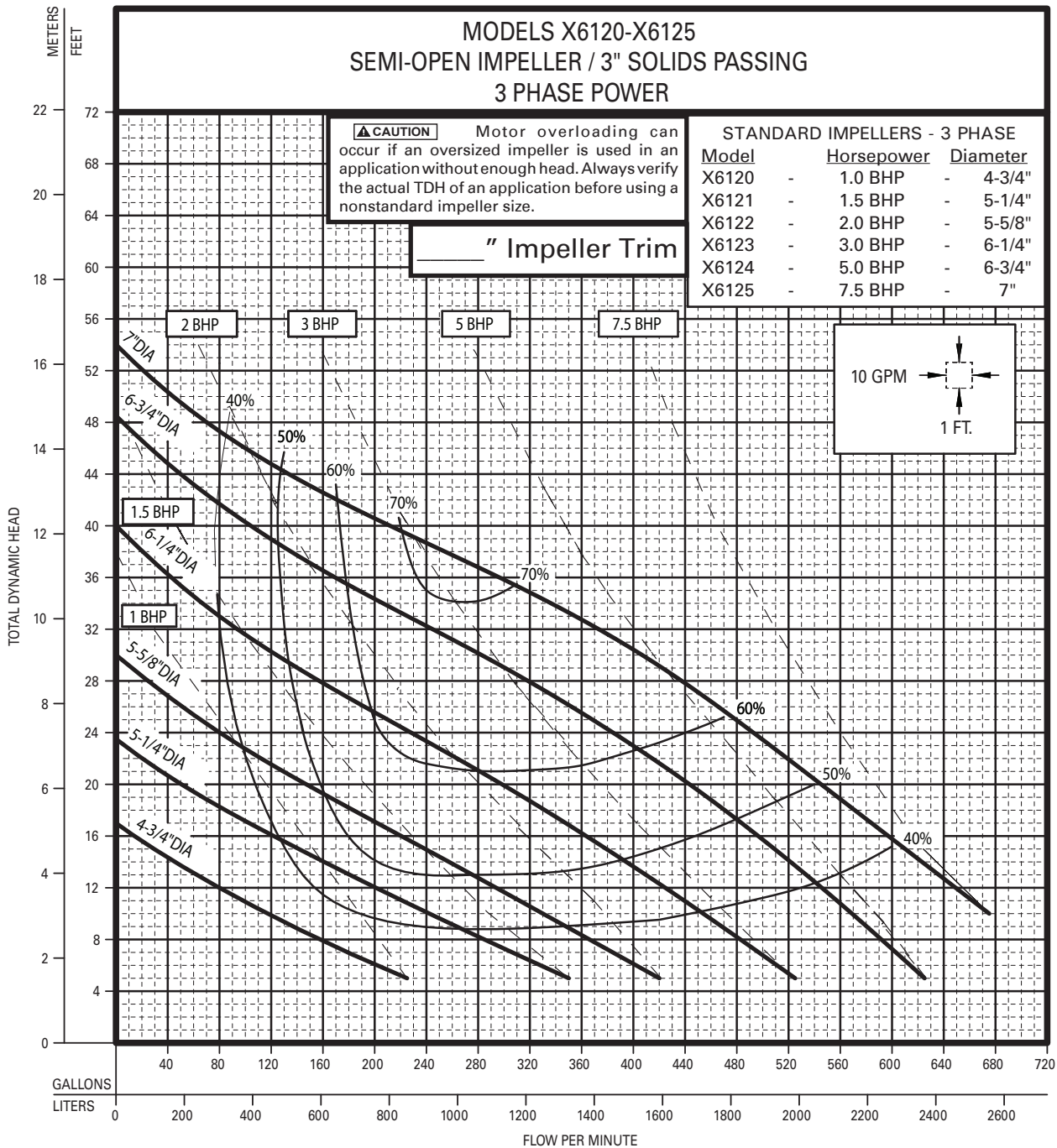
PERFORMANCE DATA

3 PHASE

4" Horizontal Flanged Discharge
3" Solids Passing Capacity



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



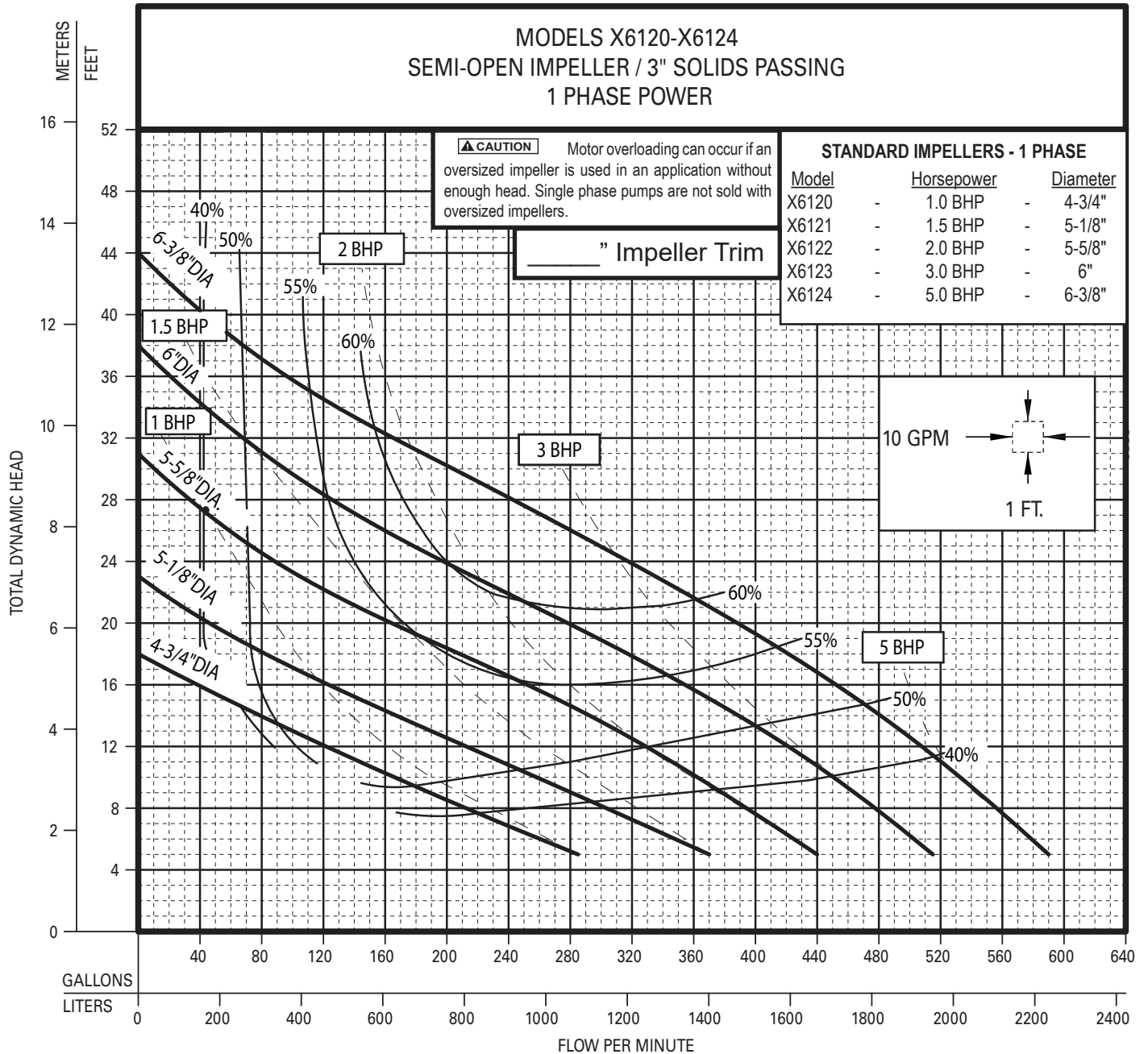
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SEMI-OPEN IMPELLER PERFORMANCE DATA 1 PHASE 4" Horizontal Flanged Discharge 3" Solids Passing Capacity



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 Tested to FM Standard
 3600 & 3615



A00670X

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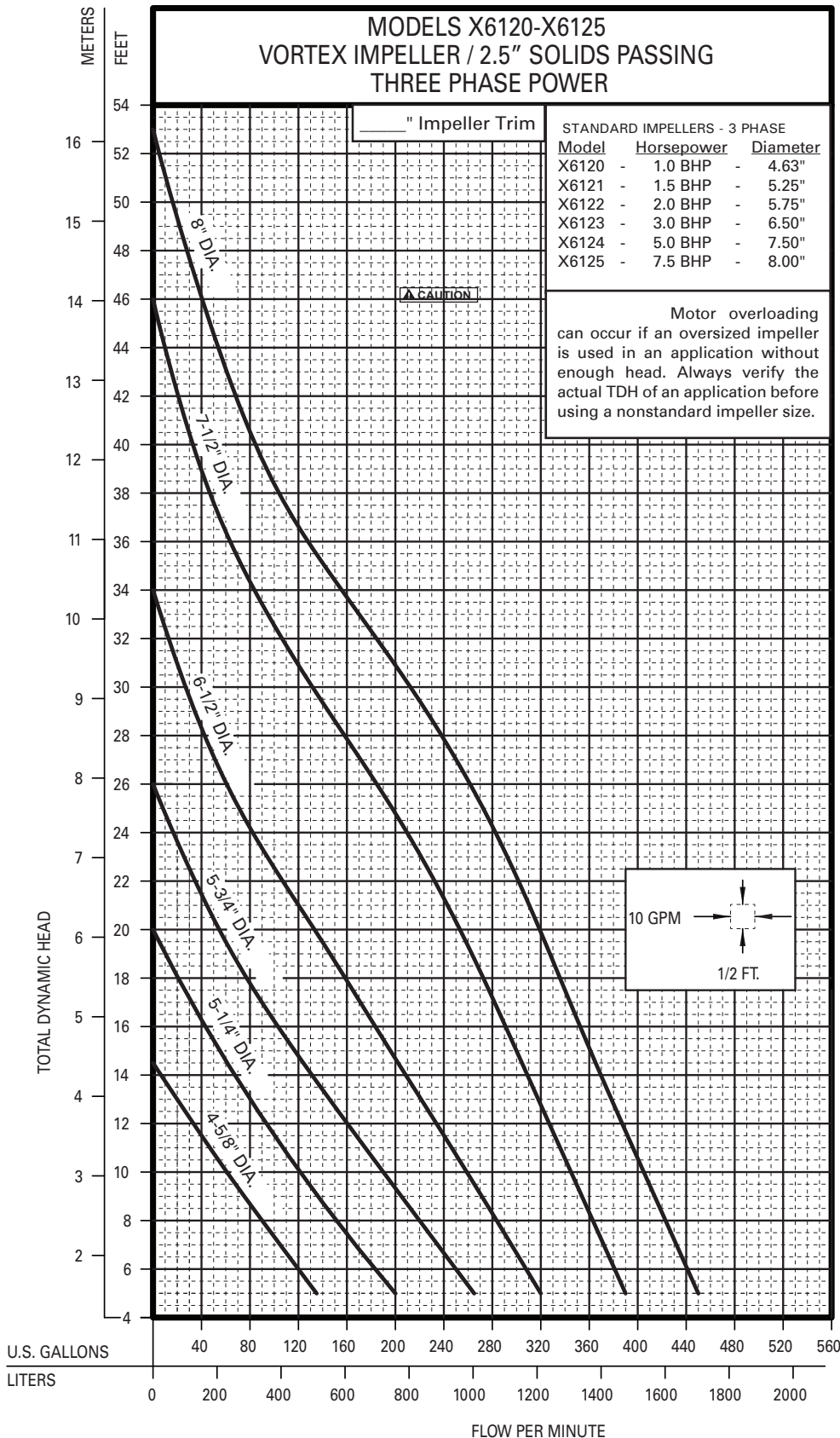
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VORTEX IMPELLER PERFORMANCE DATA 3 PHASE



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



A00667X



VORTEX IMPELLER

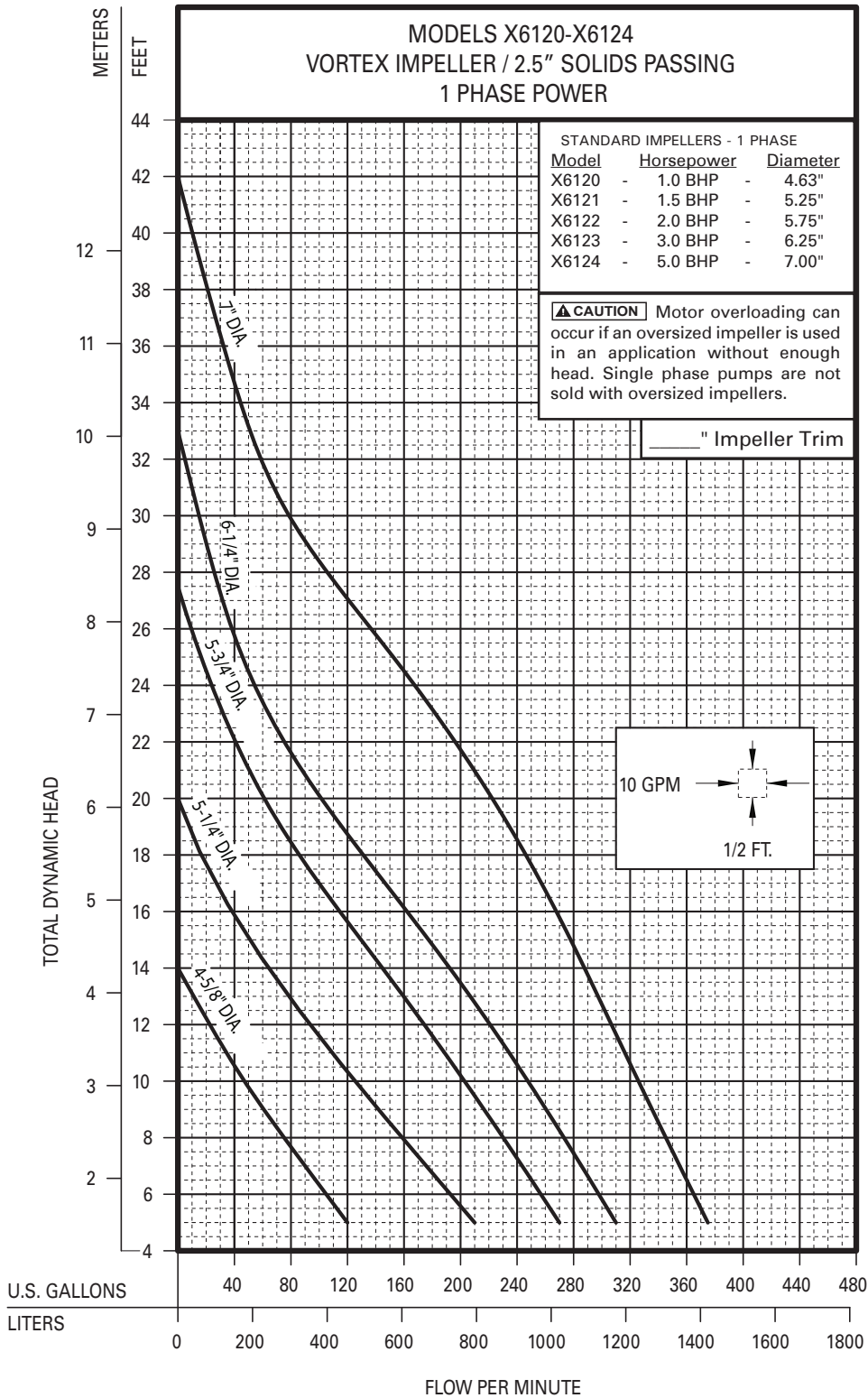
PERFORMANCE DATA

1 PHASE

*3" Vertical, 3" 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



A00665X



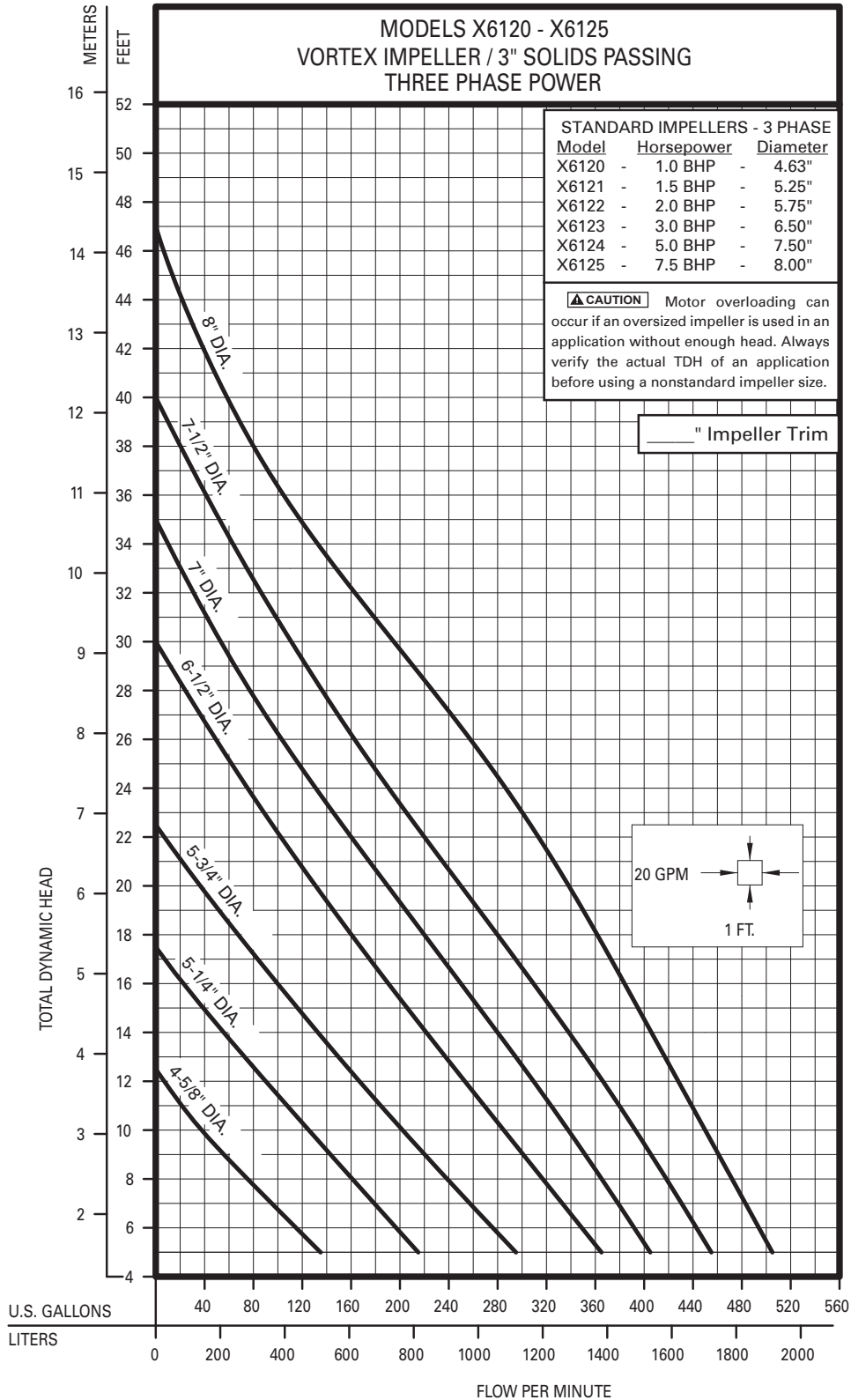
VORTEX IMPELLER PERFORMANCE DATA

3 Phase

4" Horizontal Flanged Discharge
3" Solids Passing Capacity



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



A00668X



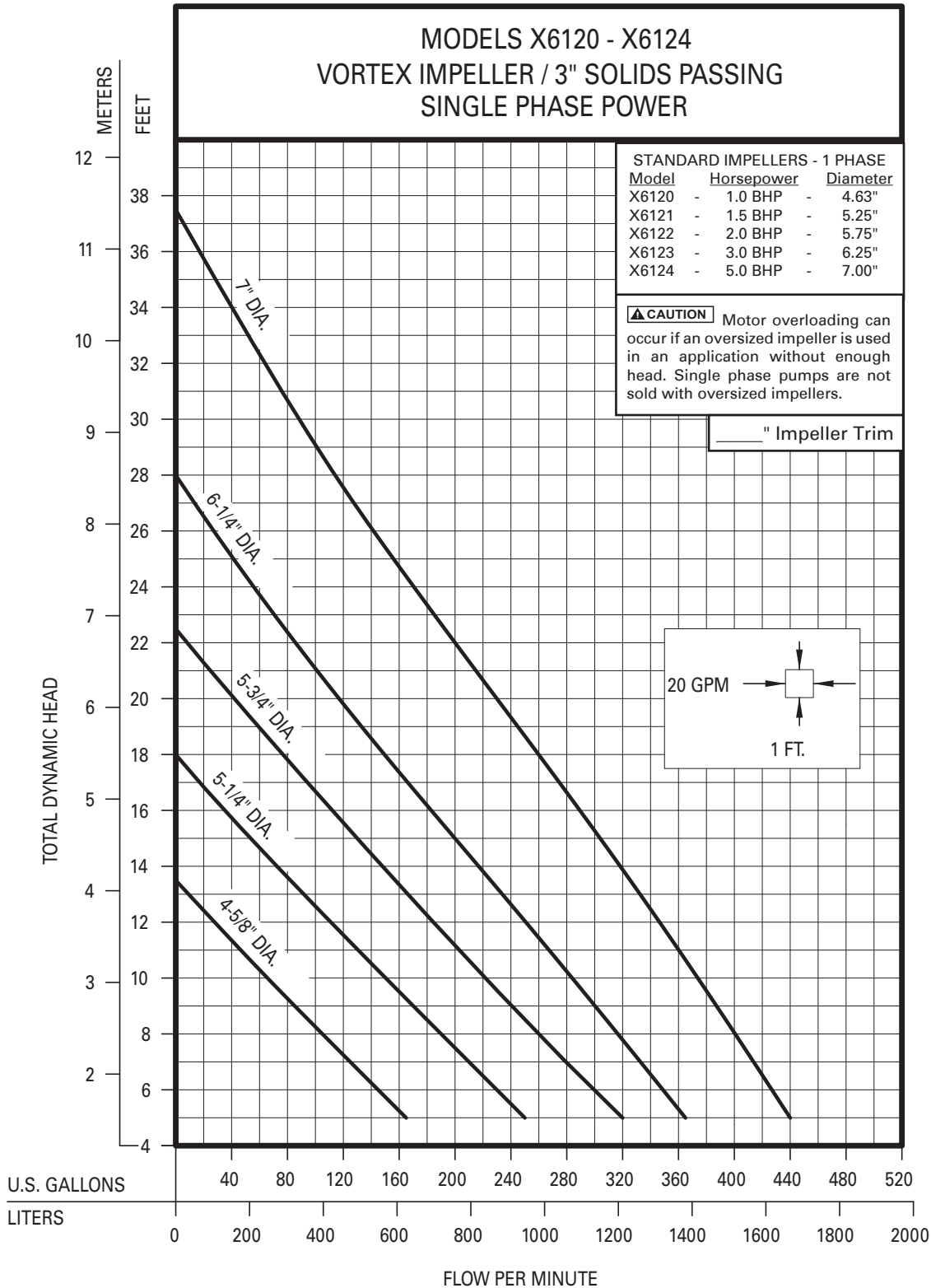
VORTEX IMPELLER

PERFORMANCE DATA

1 Phase

4" Horizontal Flanged Discharge

3" Solids Passing Capacity



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