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SECTION: Z2.20.110

ZM2349

0521

Supersedes

1120

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



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62 HD SERIES TECHNICAL DATA 4" & 6" FLANGED DISCHARGE UNITS 5 - 20 BHP



MODEL NUMBER:	<input type="checkbox"/> 6220	<input type="checkbox"/> 6221	<input type="checkbox"/> 6222	<input type="checkbox"/> 6223	<input type="checkbox"/> 6224
PUMP NAME PLATE HORSEPOWER: BHP	5.0	7.5	10.0	15.0	20.0
NEC LOCKED ROTOR CODE:	D	F	C	E	B
MAXIMUM KW INPUT:	5.2	7.8	9.8	13.5	16.8
IMPELLER DIAMETERS: in (mm) STANDARD	6-7/8" (175mm)	7-3/8" (187mm)	7-3/4" (197mm)	8-5/8" (219mm)	9-1/2" (241mm)
DISCHARGE SIZE:	<input type="checkbox"/> 4" FLANGED HORIZONTAL or <input type="checkbox"/> 6" FLANGED HORIZONTAL				
<input type="checkbox"/> Standard Hydraulic Design - page 2 <input type="checkbox"/> Vortex Hydraulic Design - page 4 <input type="checkbox"/> High Head Hydraulic Design (4" discharge only) - page 3					

SOLID SIZE: in (mm)	3" (75 mm)	TANDEM SEALS:	STANDARD		
IMPELLER TYPE:	SEMI-OPEN <input type="checkbox"/> OPTIONAL VORTEX	MOTOR DESIGN LETTER:	NEMA B		
IMPELLER MATERIAL:	DUCTILE IRON <input type="checkbox"/> OPTIONAL BRONZE	CORD LENGTH: ft (m)	25' (7.6 m) <input type="checkbox"/> _____'		
FLANGE:	ANSI B16.1	SENSOR CORD SIZE:	#18 - 5 SOOW		
PUMP NET WEIGHT: lbs. (kg)	350 lbs. (159kg)	POWER CORD SIZE:	#12-4	#8-4	#4-4
MOTOR SHAFT:	416 SS	TYPE SOOW	AMPS:	<20	<36.7
RPM:	1750	STATOR & LEAD WIRES INSULATION:	CLASS F		
MOTOR TYPE:	STANDARD SUBMERSIBLE	MAXIMUM STATOR TEMPERATURE:	311 °F (155 °C)		
	<input type="checkbox"/> *** INVERTER DUTY SUBMERSIBLE	* DRY PIT (5 - 10 BHP)	<input type="checkbox"/>		
		* HIGH TEMPERATURE (5 - 10 BHP)	<input type="checkbox"/> (175°F MAX.)		

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
STANDARD SENSING DEVICES**	MOTOR THERMAL SHUTOFF	THERMAL SENSORS WITH AUTOMATIC RESET
	MOISTURE DETECTION	MOISTURE SENSING PROBES
IMPELLER TRIM:	<input type="checkbox"/> OPTIONAL	DESIGN POINT: _____ GPM @ _____' TDH, IMPELLER DIA. _____"
RECOMMENDED FLUID LEVEL FOR CONTINUOUS OPERATIONS: in (m)		24" (0.6m) (For Continuous Duty, Refer to Warranty)
MAXIMUM WATER TEMPERATURE:		104 °F (40 °C)

* Contact factory. These configurations are not CSA listed.

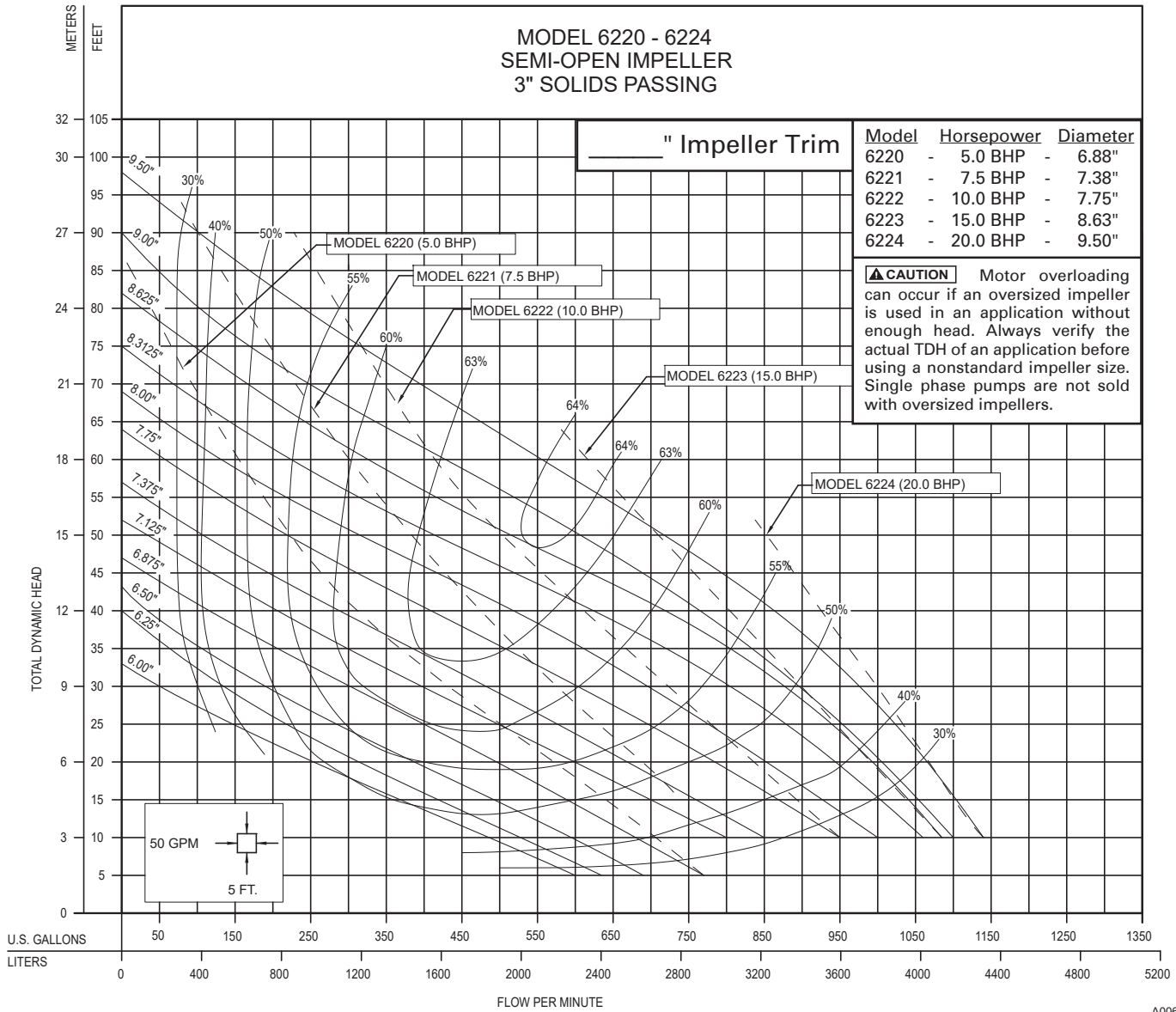
** Requires a circuit in control panel to function.

*** 30 Hz -60 Hz Max, NEMA MG-1 Part 30, cCSAus certified when used with type VPWM inverter.

MODEL	BHP	SERVICE FACTOR	<input type="checkbox"/> 230V/ 1 PHASE		<input type="checkbox"/> 200V/ 3 PHASE		<input type="checkbox"/> 230V/ 3 PHASE		<input type="checkbox"/> 460V/ 3 PHASE		<input type="checkbox"/> 575V/ 3 PHASE	
			FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA
6220	5.0	1.2	27.5	91.0	17.5	61.9	15.2	53.8	7.6	26.9	6.1	21.8
6221	7.5	1.2	36.7	137.0	25.0	109.0	22.0	95.0	11.0	47.5	9.0	37.8
6222	10.0	1.2	N/A	N/A	32.0	109.0	28.0	95.0	14.0	47.5	11.0	37.8
6223	15.0	1.2	N/A	N/A	48.3	197.0	41.7	172.0	20.9	86.0	16.4	70.0
6224	20.0	1.0	N/A	N/A	59.4	197.0	54.0	172.0	27.0	86.0	22.0	70.0



Semi-Open Impeller PERFORMANCE DATA 5 - 20 BHP 4" & 6" Flanged Discharge Units 3" Solids Passing Capacity



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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 (SWPA) 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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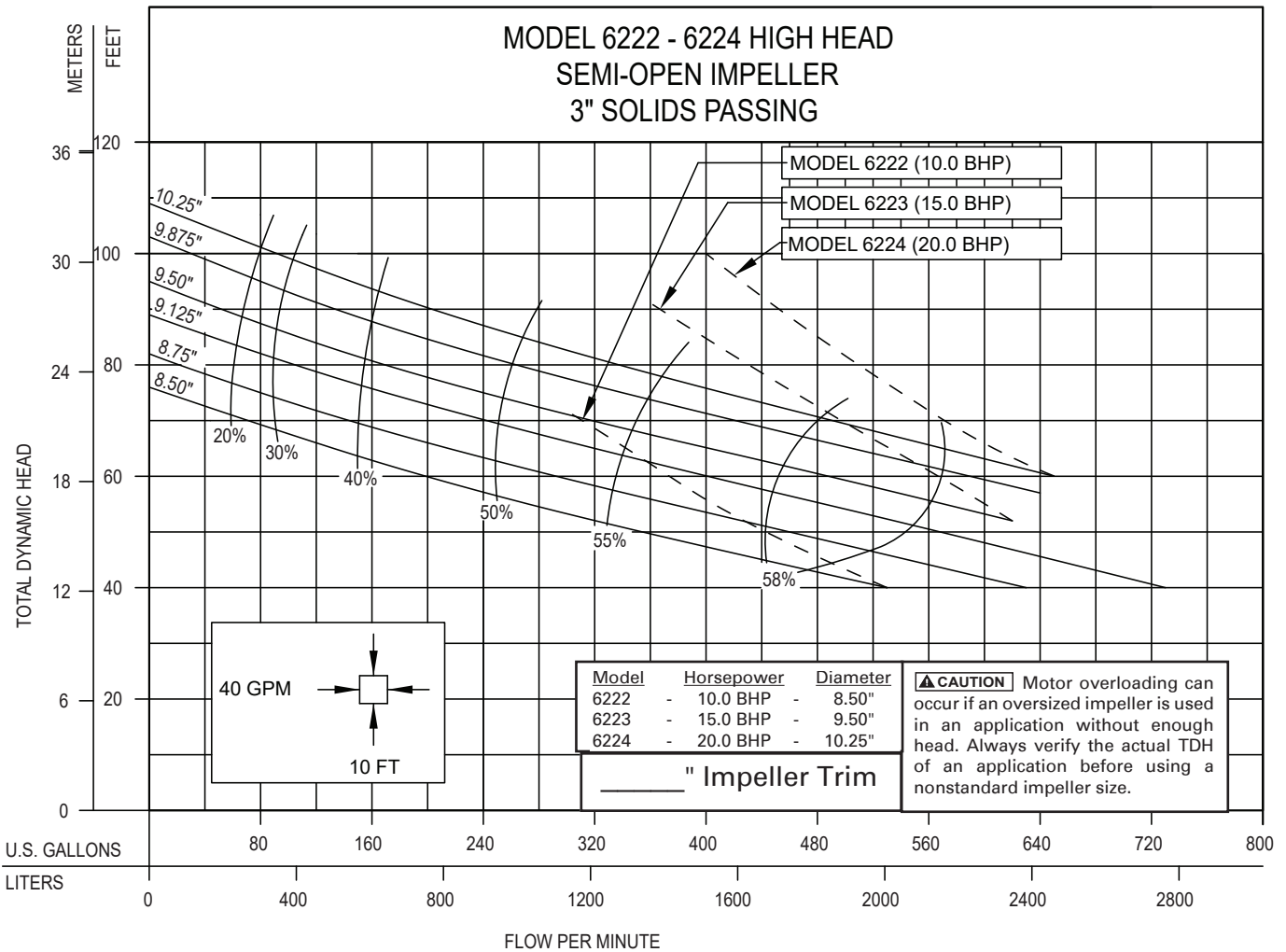
High Head Semi-Open Impeller

PERFORMANCE DATA

10 - 15 - 20 BHP

4" Flanged Discharge

3" Solids Passing Capacity



A00619

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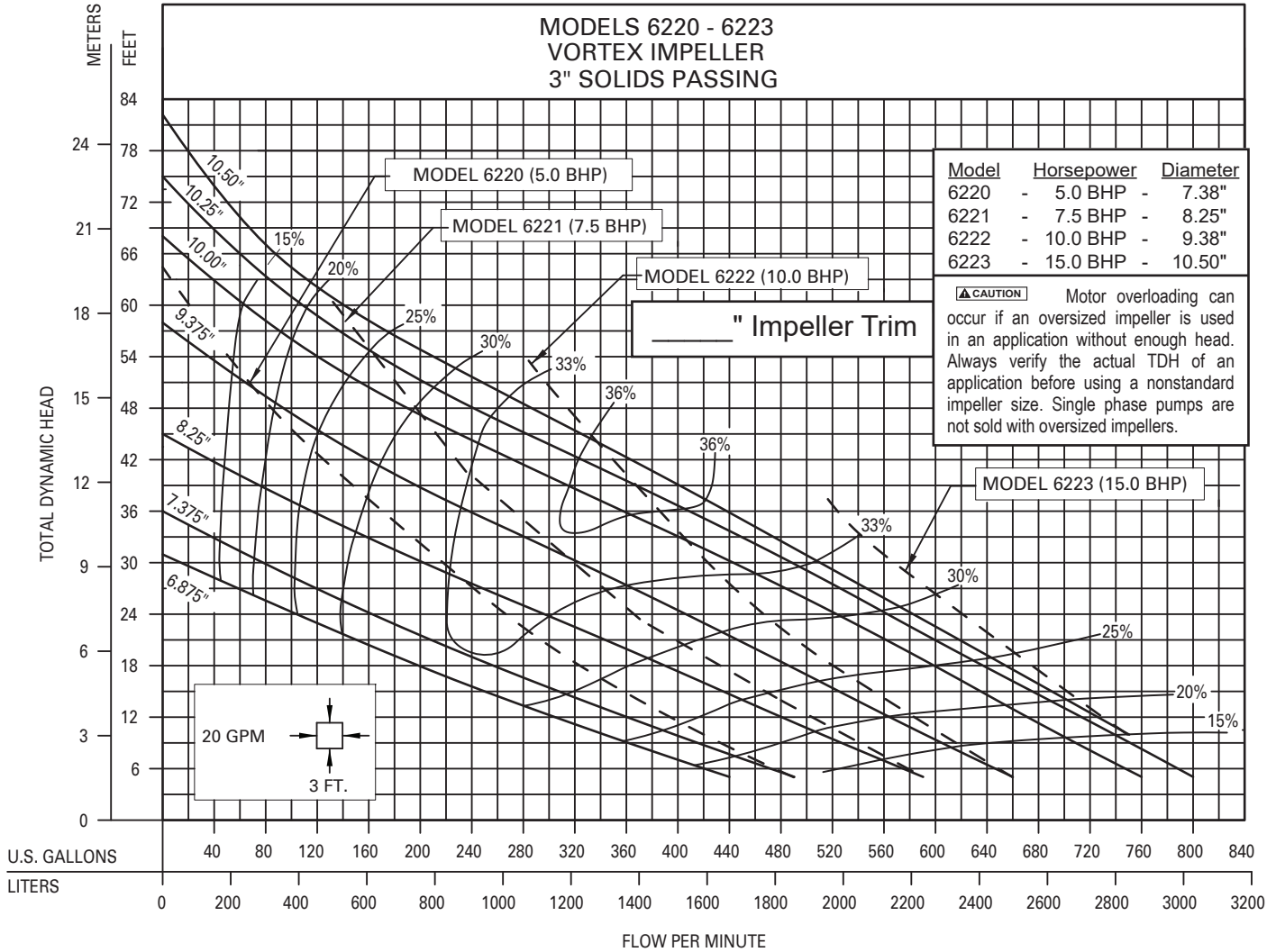
Vortex Impeller

PERFORMANCE DATA

5.0 - 15.0 BHP

4" & 6" Flanged Discharge Units

3" Solids Passing Capacity



B00617

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