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SECTION: Z2.20.100

ZM2349

0823

Supersedes

0423

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



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



MODEL NUMBER:	☐ 6220	☐ 6221	☐ 6222	☐ 6223	☐ 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: ☐ 4" FLANGED HORIZONTAL or ☐ 6" FLANGED HORIZONTAL					
☐ Standard Hydraulic Design - page 2 ☐ Vortex Hydraulic Design - page 4 ☐ High Head Hydraulic Design (4" discharge only) - page 3					

SOLID SIZE: in (mm)	3" (75 mm)	TANDEM SEALS:	STANDARD		
IMPELLER TYPE:	SEMI-OPEN ☐ OPTIONAL VORTEX	MOTOR DESIGN LETTER:	NEMA B		
IMPELLER MATERIAL:	DUCTILE IRON	CORD LENGTH: ft (m)	25' (7.6 m) ☐ _____'		
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 >36.7		
RPM:	1750	STATOR & LEAD WIRES INSULATION:	CLASS F		
MOTOR TYPE:	STANDARD SUBMERSIBLE	MAXIMUM STATOR TEMPERATURE:	311 °F (155 °C)		
	☐ *** INVERTER DUTY SUBMERSIBLE	* DRY PIT (5 - 10 BHP)	☐		
		* HIGH TEMPERATURE (5 - 10 BHP)	☐ (175°F MAX.)		

SHAFT SEAL CONSTRUCTION:	STANDARD	UPPER - CARBON CERAMIC LOWER - SILICON CARBIDE/SILICON CARBIDE
	OPTIONAL UPPER	☐ SILICON CARBIDE/SILICON CARBIDE ☐ SILICON CARBIDE/SILICON CARBIDE VITON
	OPTIONAL LOWER	☐ SILICON CARBIDE/SILICON CARBIDE VITON
O-RING ELASTOMERS	STANDARD	BUNA-N
	OPTIONAL	☐ VITON
STANDARD SENSING DEVICES **	MOTOR THERMAL SHUTOFF	THERMAL SENSORS WITH AUTOMATIC RESET
	MOISTURE DETECTION	MOISTURE SENSING PROBES
IMPELLER TRIM:	☐ 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.

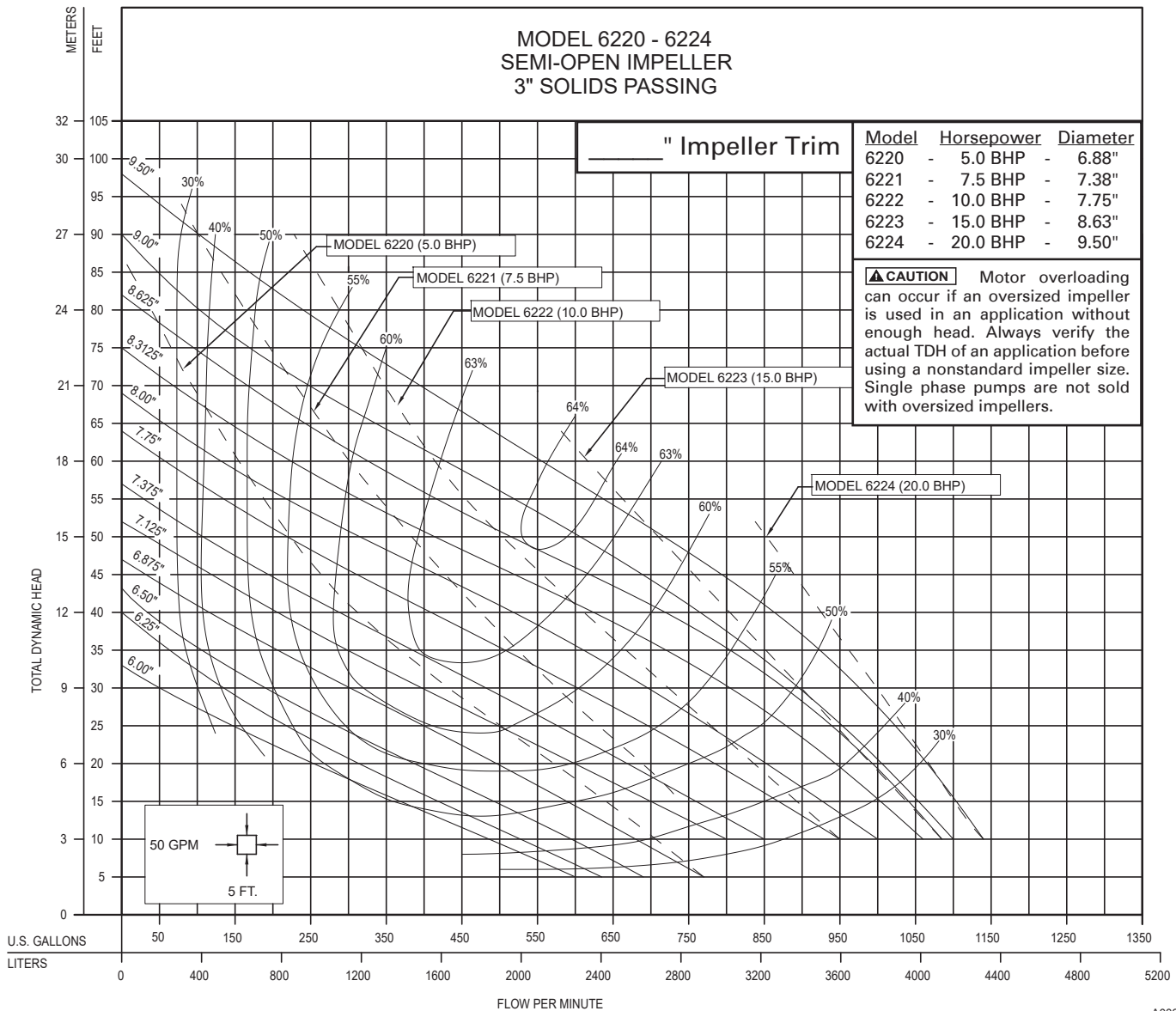
** Requires a circuit in control panel to function.

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

MODEL	BHP	SERVICE FACTOR	☐ 230V/ 1 PHASE		☐ 200V/ 3 PHASE		☐ 230V/ 3 PHASE		☐ 460V/ 3 PHASE		☐ 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



A00618

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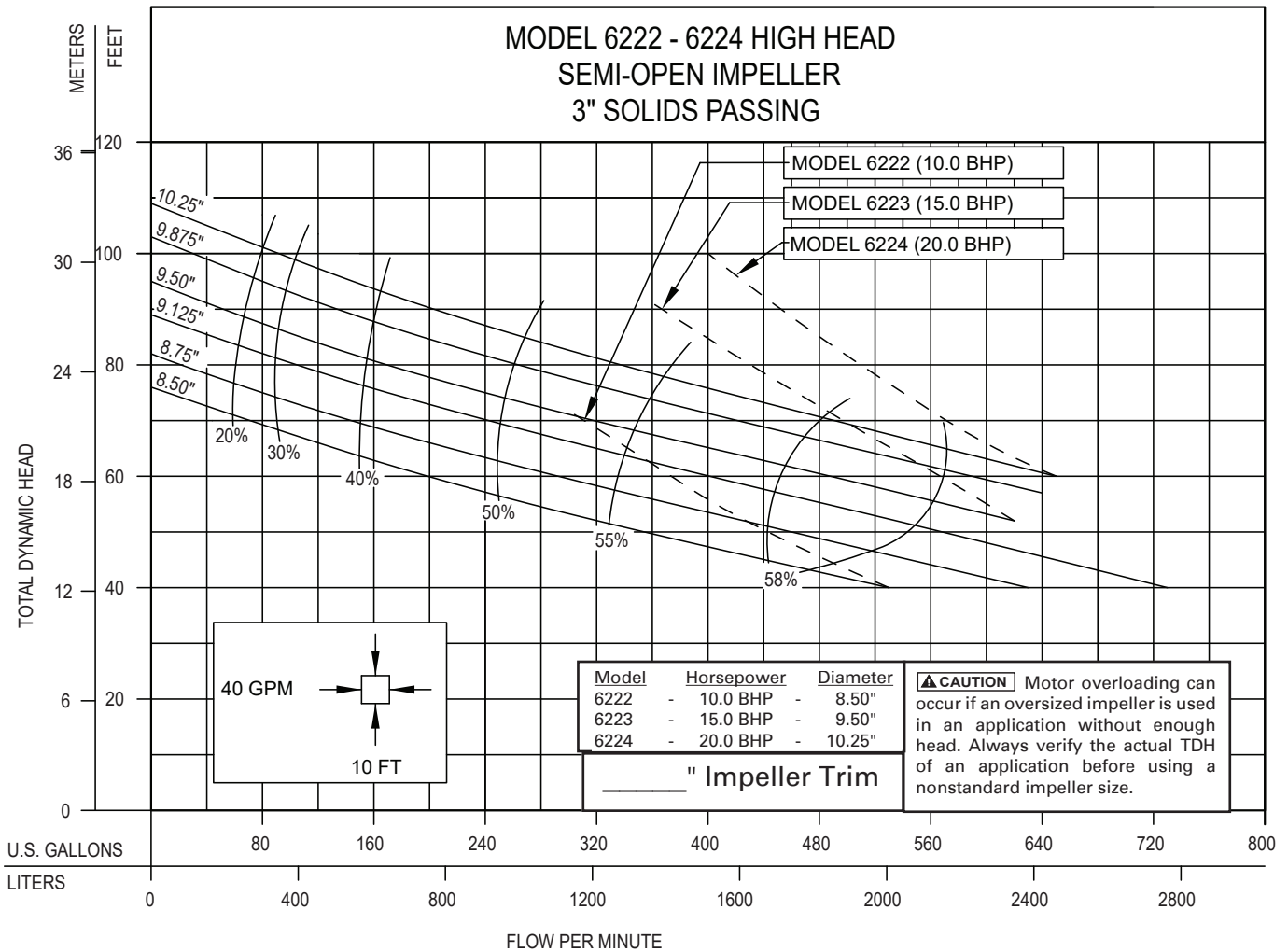
High Head Semi-Open Impeller

PERFORMANCE DATA

10 - 15 - 20 BHP

4" Flanged Discharge

3" Solids Passing Capacity



A00619

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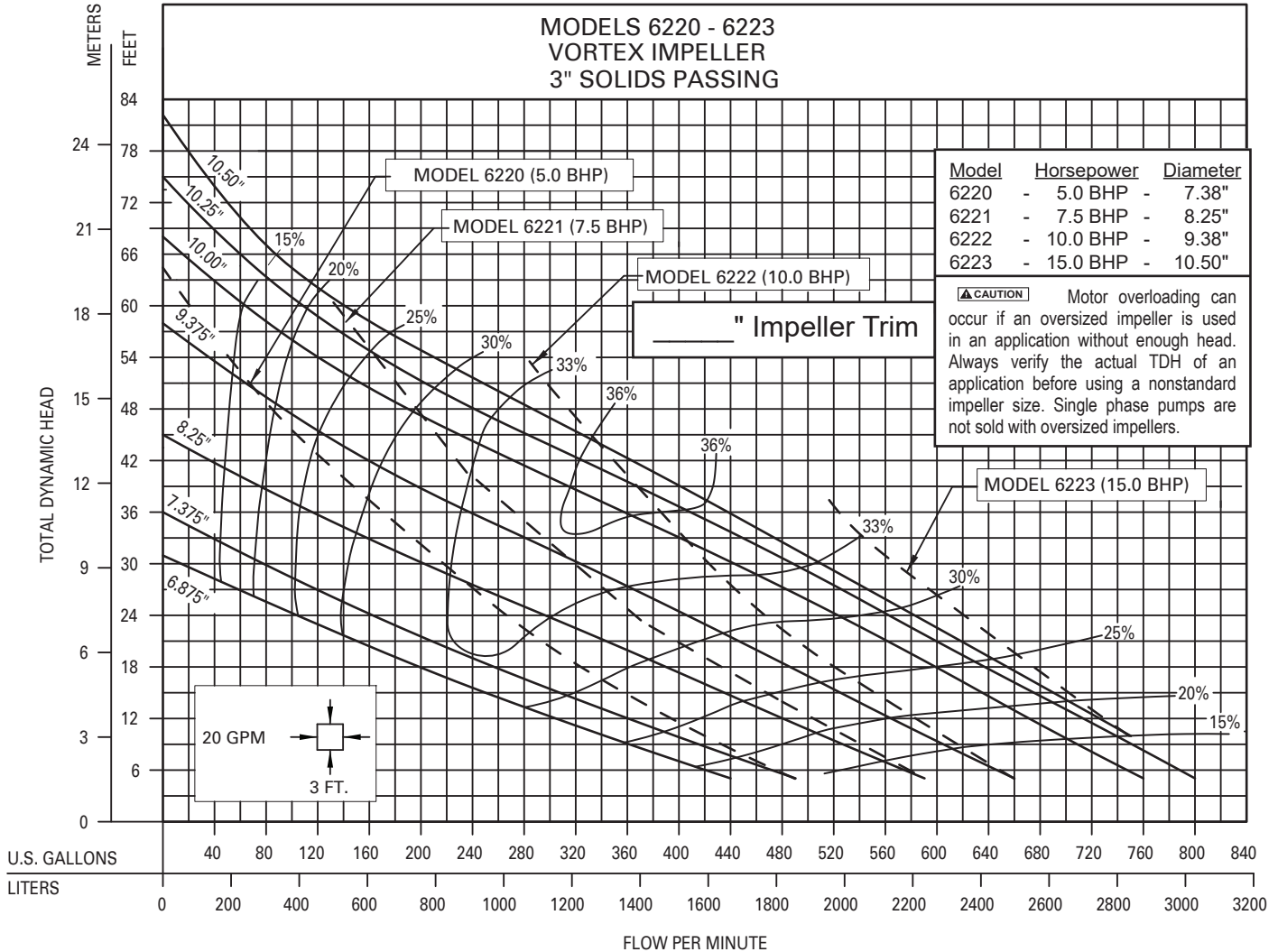
Vortex Impeller

PERFORMANCE DATA

5.0 - 15.0 BHP

4" & 6" Flanged Discharge Units

3" Solids Passing Capacity



B00617

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