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



SECTION: Z3.40.110
ZM2440
0521
Supersedes
0519

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X62 HD HAZARDOUS LOCATION SERIES

CLASS I, DIVISION 1, GROUPS C & D
CLASS I, ZONE 1, GROUPS IIA & IIB
TECHNICAL DATA
5 - 20 BHP



4" & 6" Flanged Discharge Units

| | | | | | |
|--------------------------------------|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| MODEL NUMBER: | <input type="checkbox"/> X6220 | <input type="checkbox"/> X6221 | <input type="checkbox"/> X6222 | <input type="checkbox"/> X6223 | <input type="checkbox"/> X6224 |
| 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" (175 mm) | 7-3/8" (187 mm) | 7-3/4" (197 mm) | 8-5/8" (219 mm) | 9-1/2" (241 mm) |
| DISCHARGE SIZE: | <input type="checkbox"/> 4" FLANGED HORIZONTAL or <input type="checkbox"/> 6" FLANGED HORIZONTAL | | | | |
| | <input type="checkbox"/> Standard Hydraulic Design - REF- Page 2 <input type="checkbox"/> High Headed Hydraulic Design (4" discharge only) - REF- Page 3 <input type="checkbox"/> Vortex Hydraulic Design- REF- Page 4 | | | | |

| | | | |
|----------------------------|---|---------------------------------|---|
| SOLID SIZE: in (mm) | 3" (75 mm) | TANDEM SEALS: | STANDARD |
| IMPELLER TYPE: | DUCTILE IRON SEMI-OPEN | MOTOR DESIGN LETTER: | NEMA B |
| | OPTIONAL: <input type="checkbox"/> DUCTILE IRON VORTEX OPTIONAL: <input type="checkbox"/> BRONZE SEMI OPEN | CORD LENGTH: ft (m) | 25' (7.6) <input type="checkbox"/> 50' (15.2) |
| FLANGE: | ANSI B16.1 | SENSOR CORD SIZE: | #18 - 5 |
| PUMP NET WEIGHT: lbs. (kg) | 420 lbs. (191 kg) | POWER CORD SIZE: | #12-4 #8-4 #4-4 |
| MOTOR SHAFT: | 416 SS | AMPS: | < 20 <36.7 > 36.7 |
| RPM: | 1750 | STATOR & LEAD WIRES INSULATION: | CLASS F |
| MOTOR TYPE | EXPLOSION PROOF SUBMERSIBLE | MAXIMUM STATOR TEMPERATURE: | 311 °F (155 °C) |
| | <input type="checkbox"/> ** INVERTER DUTY SUBMERSIBLE (5-15 BHP Only) | | |

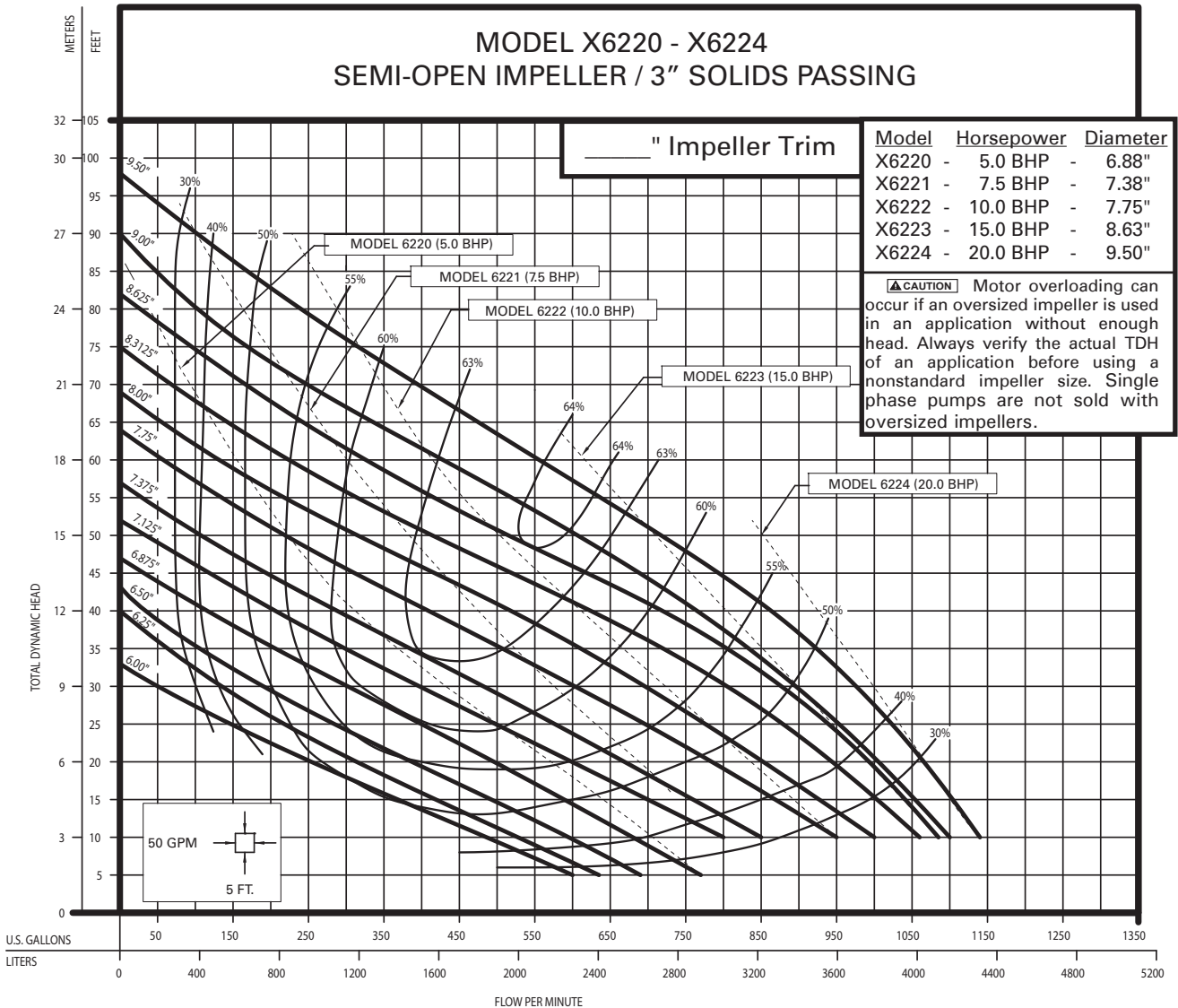
| | | |
|---|-----------------------------------|--|
| SHAFT SEAL CONSTRUCTION: | STANDARD | CARBON/CERAMIC |
| | OPTIONAL UPPER | <input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE |
| O-RING ELASTOMERS | STANDARD | Buna-N |
| | OPTIONAL | <input type="checkbox"/> VITON |
| STANDARD SENSING DEVICES* | 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" (0.6 m) (For Continuous Duty, Refer to Warranty) |
| MAXIMUM WATER TEMPERATURE: | | 104 °F (40 °C) |

* Requires a circuit in control panel to function.

**NEMA MG-1 Part 30, cCSAus Certified with VPWM type inverter- 30-60 Hz Max

| 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 |
| X6220 | 5.0 | 1.2 | 27.5 | 91 | 17.5 | 61.9 | 15.2 | 53.8 | 7.6 | 26.9 | 6.1 | 21.8 |
| X6221 | 7.5 | 1.2 | 36.7 | 137 | 25.0 | 109 | 22.0 | 95 | 11.0 | 47.5 | 9.0 | 37.8 |
| X6222 | 10.0 | 1.2 | N/A | N/A | 32.0 | 109 | 28.0 | 95 | 14.0 | 47.5 | 11.0 | 37.8 |
| X6223 | 15.0 | 1.2 | N/A | N/A | 48.3 | 197 | 41.7 | 172 | 20.9 | 86.0 | 16.4 | 70.0 |
| X6224 | 20.0 | 1.0 | N/A | N/A | 59.4 | 197 | 54.0 | 172 | 27.0 | 86.0 | 22.0 | 70.0 |

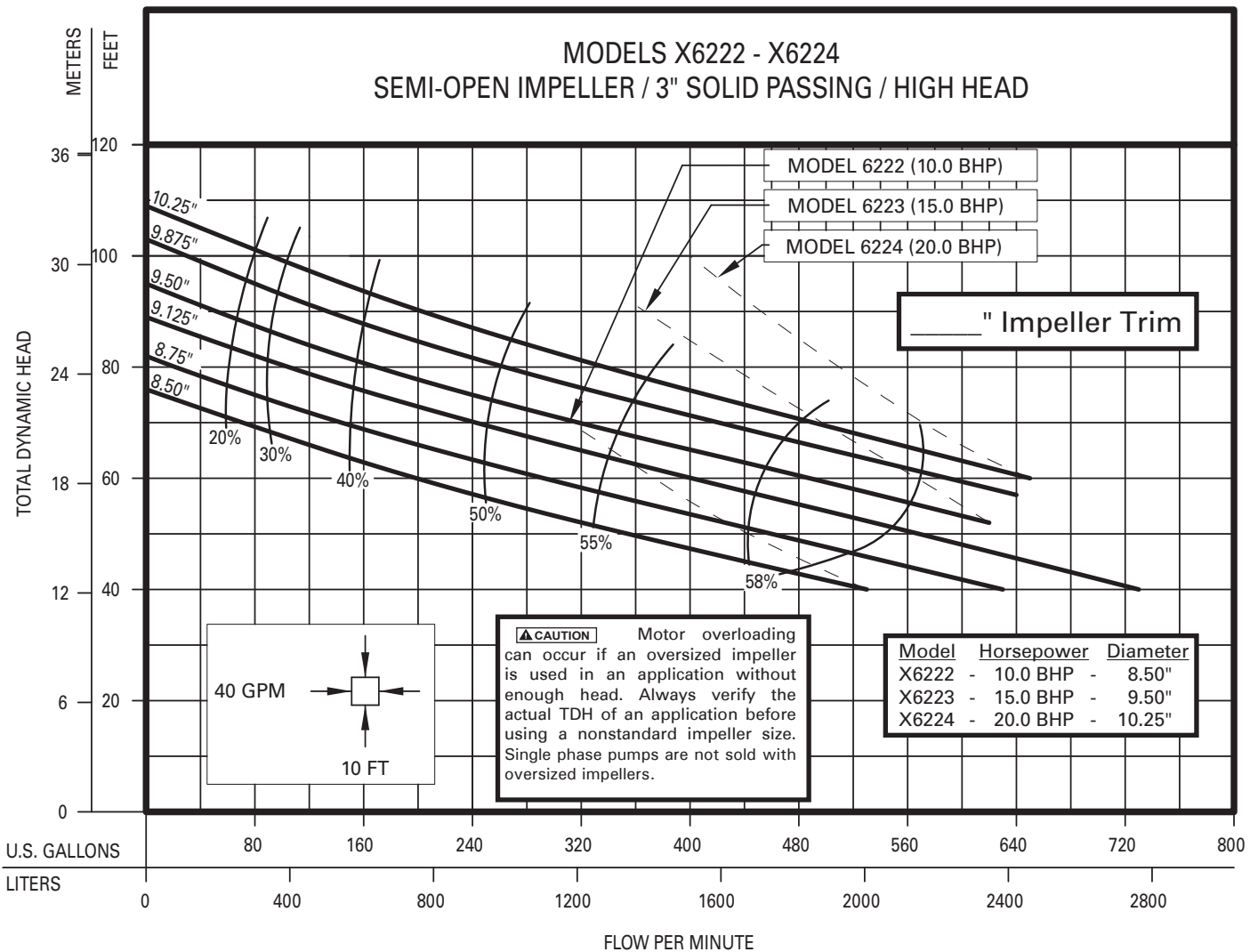
SEMI-OPEN IMPELLER PERFORMANCE DATA 5 - 20 BHP 4" & 6" FLANGED DISCHARGE 3" SOLIDS HANDLING



A00618X

HIGH HEAD SEMI-OPEN IMPELLER

PERFORMANCE DATA
 10 - 15 - 20 BHP
 4" FLANGED DISCHARGE
 3" SOLIDS HANDLING

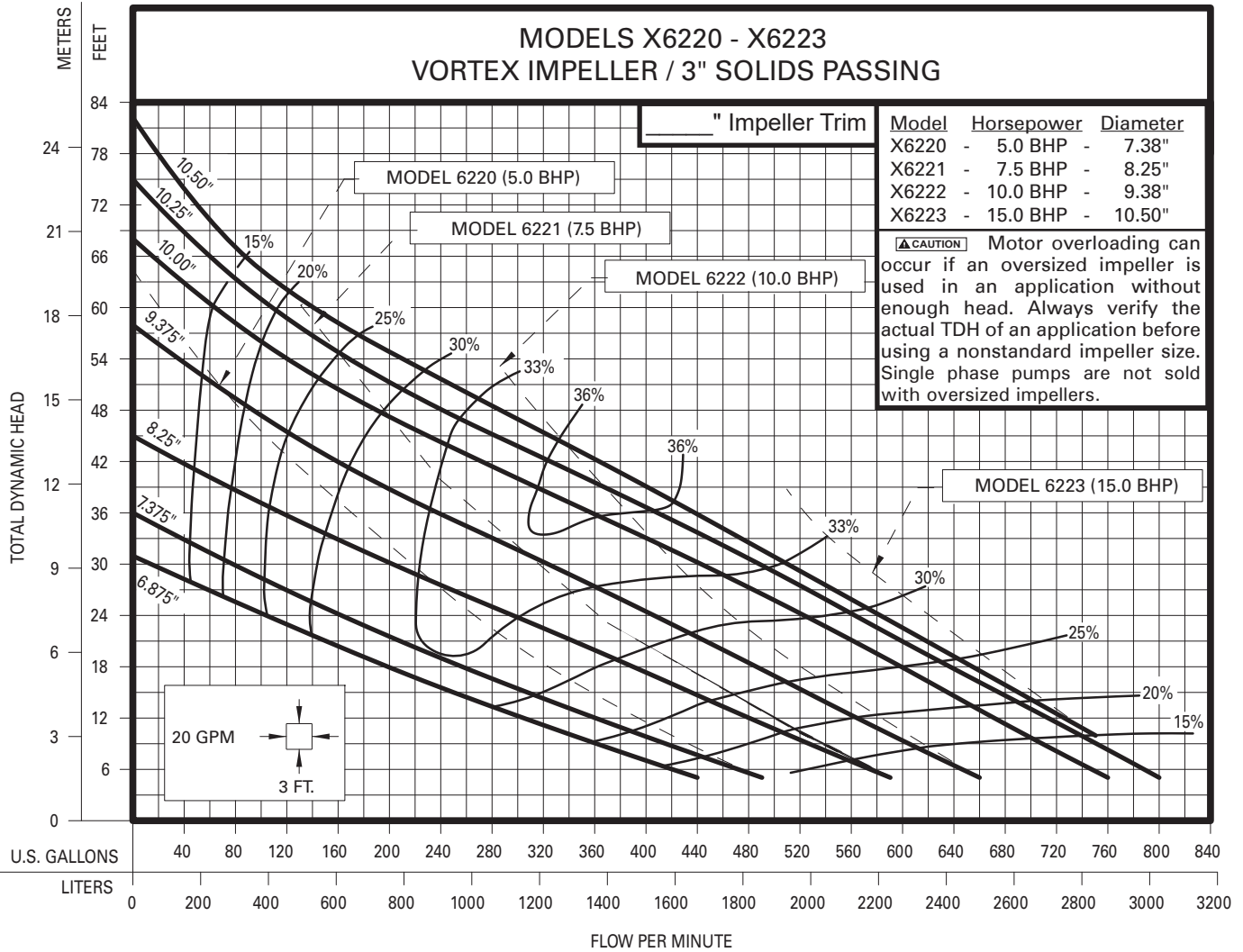


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VORTEX IMPELLER PERFORMANCE DATA 5 - 20 BHP 4" & 6" FLANGED DISCHARGE 3" SOLIDS HANDLING



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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."