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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  
 5, 7.5 & 10 HP / 3450 RPM



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

|                                   |  |   |   |
|-----------------------------------|--|---|---|
| <b>SOLID SIZE: in (mm)</b>        | 2-1/2"(64 mm)  | <b>TANDEM SEALS:</b>                          | Standard  |
| <b>IMPELLER TYPE:</b>             | Bronze Semi-open<br>OPTIONAL<br><input type="checkbox"/> Ductile iron Vortex | <b>MOTOR DESIGN LETTER:</b>                   | NEMA B  |
| <b>FLANGE:</b>                    | ANSI B16.1   | <b>POWER &amp; SENSOR CORD LENGTH: ft (m)</b> | 25' (7.6 m)   |
| <b>PUMP NET WEIGHT: lbs. (kg)</b> | 245 lbs. (111kg)   | <b>OPTIONAL CORD LENGTH:</b>                  | <input type="checkbox"/> 50' (15.2 m)<br><input type="checkbox"/> _____ |
| <b>MOTOR SHAFT</b>                | 416 SS   | <b>POWER/SENSOR CORD:</b>                     | #8-4 SOOW**   |
| <b>RPM:</b>                       | 3450   | <b>STATOR &amp; LEAD WIRES INSULATION:</b>    | Class F   |
| <b>MOTOR TYPE:</b>                | Submersible Explosion Proof  | <b>MAXIMUM STATOR TEMPERATURE:</b>            | 311 °F (155 °C)   |

|   |                              |  |
|---|------------------------------|--|
| <b>SHAFT SEAL CONSTRUCTION:</b>                                 | <b>STANDARD</b>              | UPPER - CARBON CERAMIC<br>LOWER - SILICON CARBIDE/SILICON CARBIDE  |
|   | <b>OPTIONAL UPPER</b>        | <input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE<br><input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE VITON |
|   | <b>OPTIONAL LOWER</b>        | <input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE VITON   |
| <b>O-RING ELASTOMERS</b>  | <b>STANDARD</b>              | BUNA-N   |
|   | <b>OPTIONAL</b>              | <input type="checkbox"/> VITON   |
| <b>SENSING DEVICES**</b>  | <b>MOTOR THERMAL SHUTOFF</b> | THERMAL SENSORS WITH AUTOMATIC RESET   |
|   | <b>MOISTURE DETECTION</b>    | MOISTURE SENSING PROBES  |
| <b>IMPELLER TRIM:</b>   | <b>OPTIONAL</b>              | <input type="checkbox"/> DESIGN POINT: _____ GPM @ _____' TDH, IMPELLER DIA. _____"  |
| <b>RECOMMENDED FLUID LEVEL FOR CONTINUOUS OPERATION: in (m)</b> |                              | 24" (0.6 m) (FOR CONTINUOUS DUTY, REFER TO WARRANTY)   |
| <b>MAXIMUM WATER TEMPERATURE FOR CONTINUOUS OPERATION:</b>      |                              | 104 °F (40 °C)   |

\*Model X6111 - 3 Phase uses #12-4 gauge power cord.

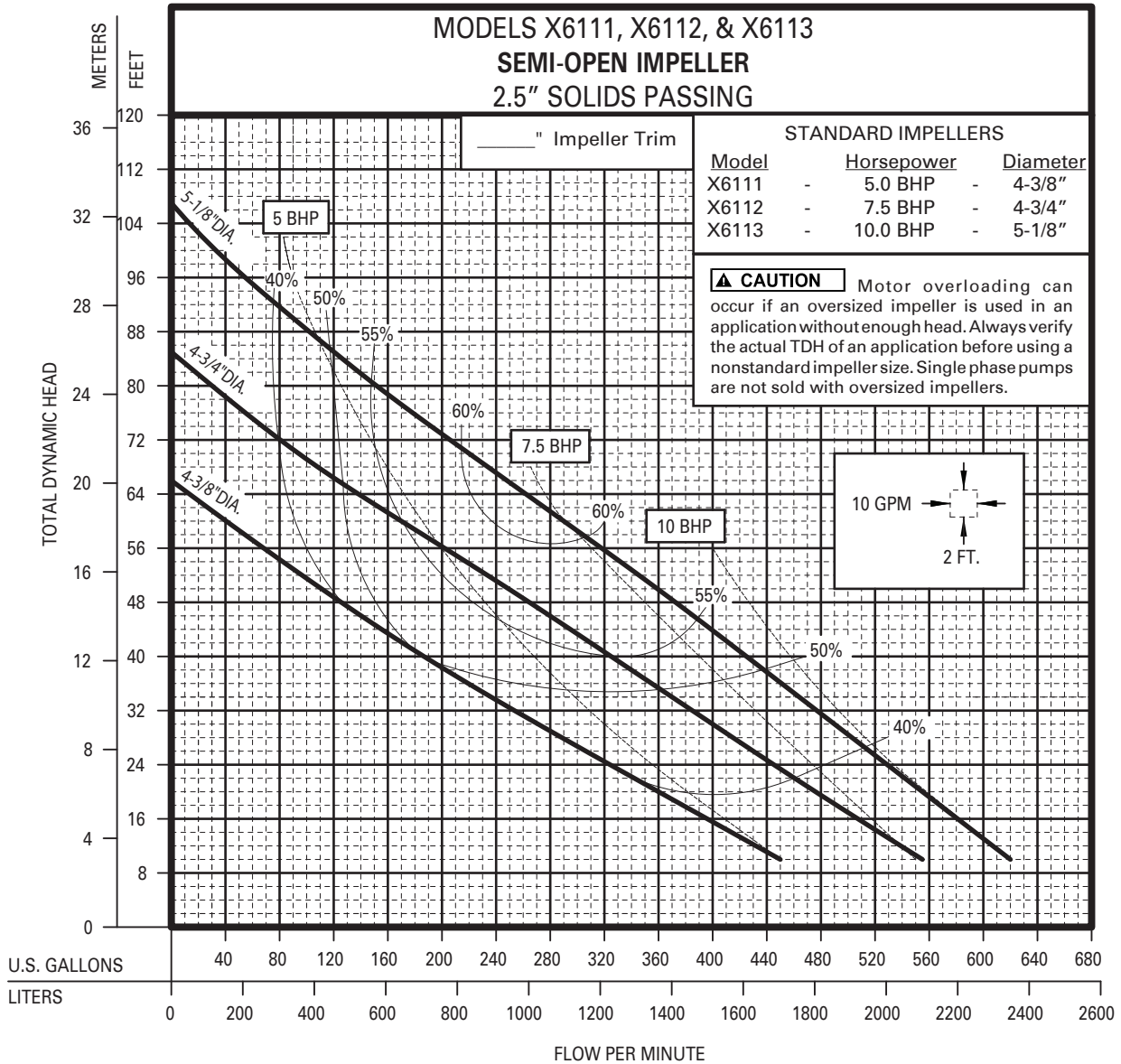
\*\* Requires a circuit in control panel to function.

| 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 |      |
|-------|------|----------------|--------------------------------------|-------|--------------------------------------|------|--------------------------------------|------|--------------------------------------|------|
|       |      |                | FLA                                  | LRA   | FLA                                  | LRA  | FLA                                  | LRA  | FLA                                  | LRA  |
| 6111  | 5.0  | 1.2            | 28.0                                 | 132.0 | --                                   | --   | --                                   | --   | --                                   | --   |
| 6112  | 7.5  | 1.2            | --                                   | --    | 25.3                                 | 94.0 | 22.0                                 | 82.0 | 11.0                                 | 41.0 |
| 6113  | 10.0 | 1.0            | --                                   | --    | 32.2                                 | 94.0 | 28.0                                 | 82.0 | 14.0                                 | 41.0 |



# SEMI-OPEN IMPELLER PERFORMANCE DATA

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



A00521X

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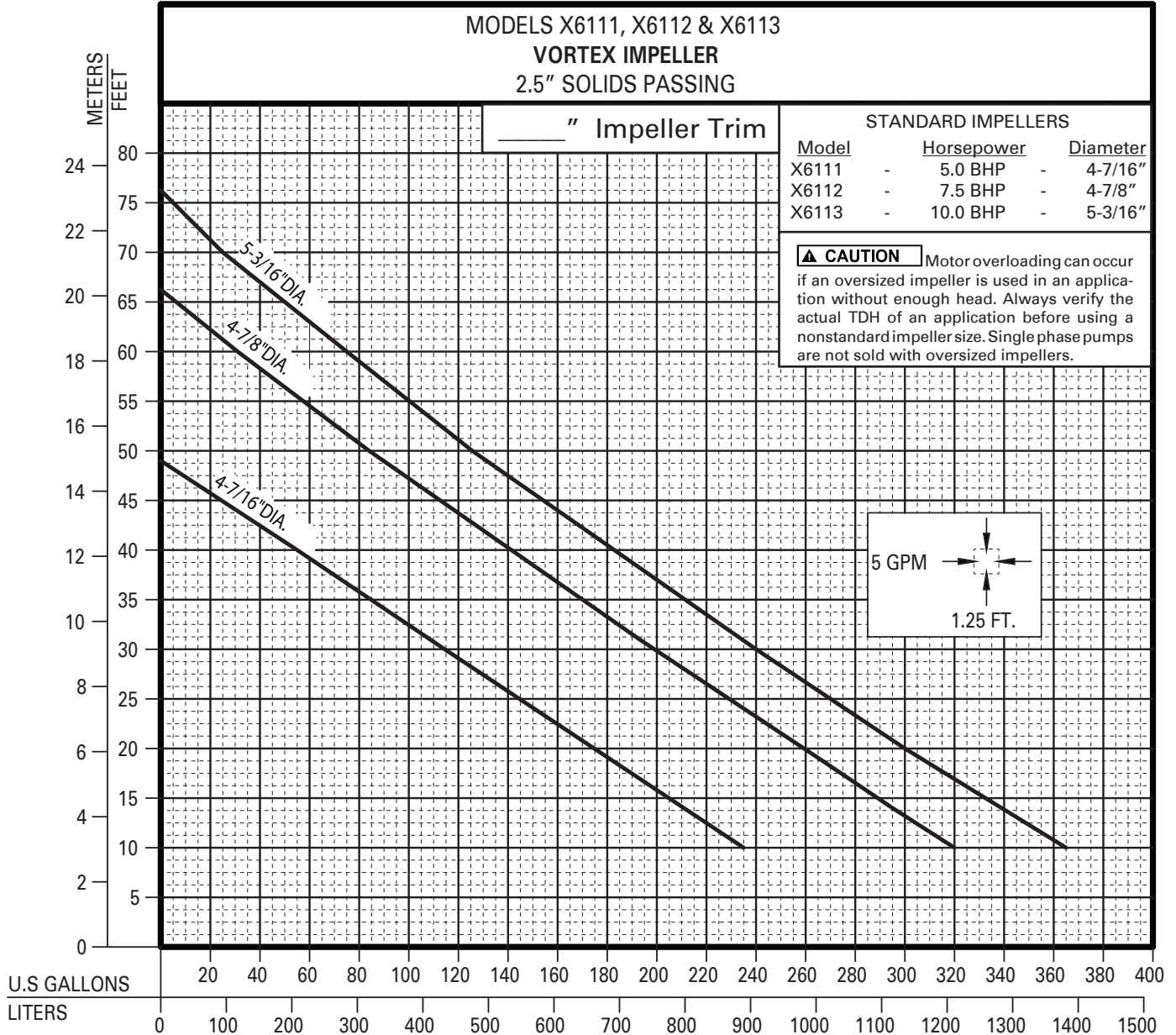
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# VORTEX IMPELLER PERFORMANCE DATA

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



151530

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## **RESERVE POWERED DESIGN**

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

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