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SECTION: Z2.30.100
ZM2969
0524
Supersedes
0823

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



64 HD SERIES TECHNICAL DATA 4" & 6" Flanged Discharge Units 25 - 60 BHP



| | | | | | | |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------|----------------------------------------|--------------------------------------|-------------------------------------|
| MODEL NUMBER: | <input type="checkbox"/> 6424 | <input type="checkbox"/> 6425 | <input type="checkbox"/> 6426 | <input type="checkbox"/> 6427 | <input type="checkbox"/> 6428 | |
| PUMP NAME PLATE HORSEPOWER: BHP | 25.0 | 30.0 | 40.0 | 50.0 | 60.0 | |
| NEC LOCKED ROTOR CODE: | F | E | E | D | C | |
| MAXIMUM KW INPUT: | 24.2 | 28.1 | 36.0 | 42.5 | 50.0 | |
| IMPELLER DIAMETER: | - 4" discharge - 6" discharge | 9-7/8" (25.1 cm) 9-1/8" (23.2 cm) | 10-3/8" (26.4 cm) 9-1/2" (24.1 cm) | 11-3/8" (28.9 cm) 10-1/8" (25.7 cm) | 12-1/8" (30.8 cm) 10-5/8" (27 cm) | 12-7/8" (32.7 cm) 11" (27.9 cm) |
| PUMP WEIGHT: lbs. | - 4" discharge - 6" discharge | 825 lb (374 kg) 850 lbs (385 kg) | 825 lb (374 kg) 850 lbs (385 kg) | 825 lb (374 kg) 850 lbs (385 kg) | 825 lb (374 kg) 850 lbs (385 kg) | 825 lb (374 kg) 850 lbs (385 kg) |
| DISCHARGE SIZE: | <input type="checkbox"/> 4" FLANGED HORIZONTAL or <input type="checkbox"/> 6" FLANGED HORIZONTAL | | | | | |
| PERFORMANCE CURVE: | <input type="checkbox"/> 4" DISCHARGE HIGH HEAD DESIGN - PAGE 2 <input type="checkbox"/> 6" DISCHARGE HIGH FLOW DESIGN - PAGE 3 <input type="checkbox"/> 4" DISCHARGE VORTEX- PAGE 4 | | | | | |

| | | | |
|---------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------|
| SOLID SIZE: in (mm) | 4" - 3-1/8" (102 mm - 79 mm) 6" - 4" (152 mm - 102 mm) | TANDEM SEALS: | STANDARD |
| IMPELLER TYPE: | DUCTILE IRON 2-VANE ENCLOSED <input type="checkbox"/> OPTIONAL VORTEX | MOTOR DESIGN LETTER: | NEMA B |
| FLANGE: | ANSI B16.1 CLASS 125 | CORD LENGTH: ft (m) | 25' (7.6 m) <input type="checkbox"/> 50' (15.2 m) |
| MOTOR SHAFT: | 416 SS | POWER CORD SIZE: | #2-4 SOOW |
| RPM: | 1725 | STATOR & LEAD WIRES INSULATION: | CLASS F |
| MOTOR TYPE: | STANDARD SUBMERSIBLE | MAXIMUM STATOR TEMPERATURE: | 311 °F / 155 °C |
| | <input type="checkbox"/> INVERTER DUTY SUBMERSIBLE (25 - 50 HP, 230/460 Volt 3 Phase ONLY) | SENSOR CORD SIZE: ** HIGH TEMPERATURE (25 & 30 HP) | #18-5 SOOW <input type="checkbox"/> 175 °F MAX |

*30-60 Hz, NEMA MG-1, Part 30 (not CSA listed) , models 6424-6427, 230 & 460 volt only

** Contact Factory these configurations are not CSA listed.

| | | |
|------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 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 |
| STANDARD SENSING DEVICES: | MOTOR THERMAL SHUTOFF | THERMAL SENSORS WITH AUTOMATIC RESET |
| | MOISTURE DETECTION | MOISTURE SENSING PROBES |
| IMPELLER: SIZE, DESIGN POINT | IMPELLER DIA. _____", DESIGN POINT: _____ GPM @ _____' TDH | |
| RECOMMENDED FLUID LEVEL FOR CONTINUOUS OPERATIONS: | 36" (0.9 m) (For Continuous Duty, Refer to Warranty) | |
| MAXIMUM WATER TEMPERATURE FOR CONTINUOUS OPERATIONS: | 104 °F (40 °C) | |

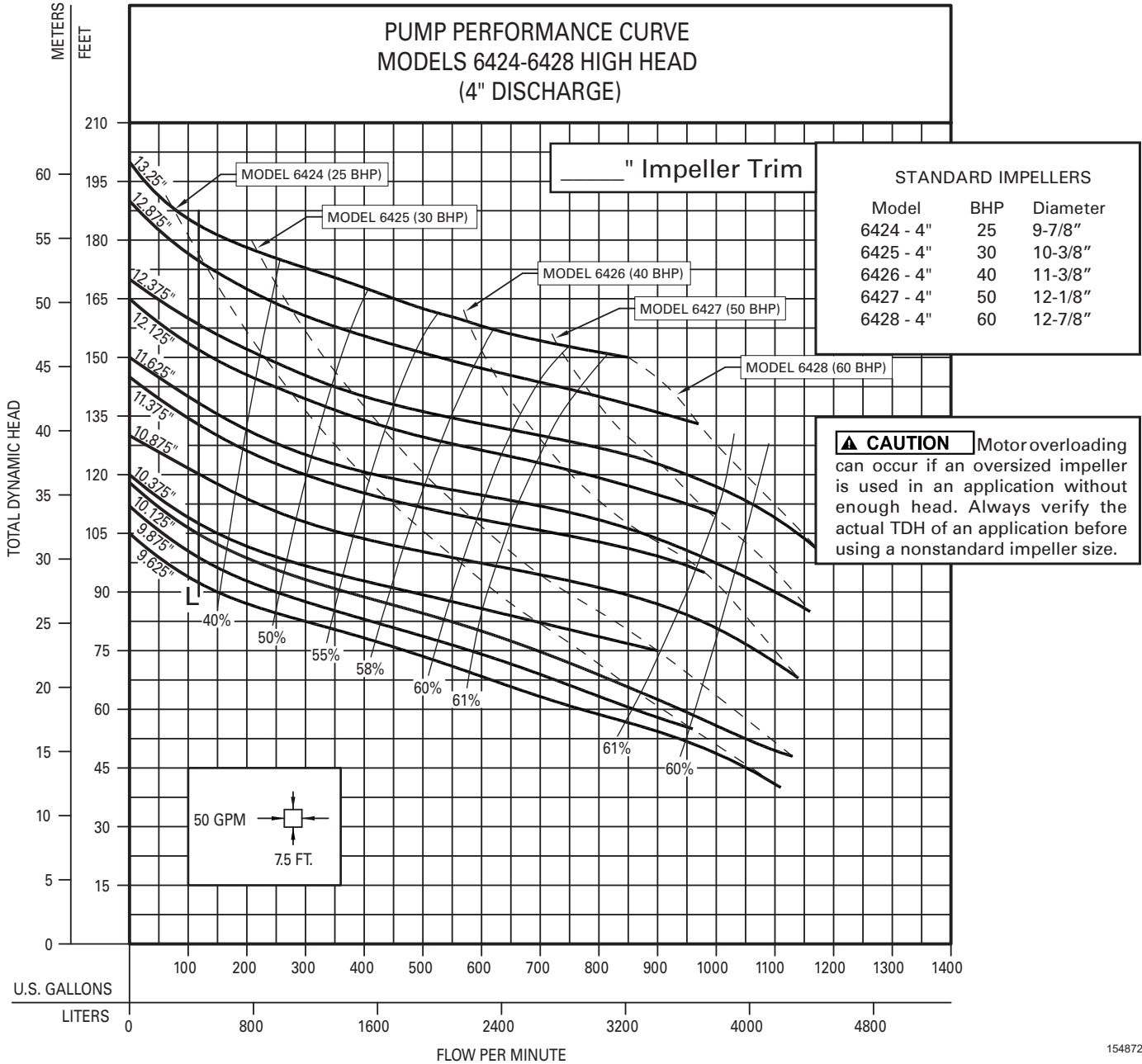
| MODELS | BHP | SERVICE FACTOR | <input type="checkbox"/> 230V / 3 PHASE | | <input type="checkbox"/> 460V / 3 PHASE | |
|--------|------|----------------|-----------------------------------------|-----|-----------------------------------------|-----|
| | | | FLA | LRA | FLA | LRA |
| 6424 | 25.0 | 1.20 | 68 | 314 | 34 | 157 |
| 6425 | 30.0 | 1.20 | 80 | 360 | 40 | 180 |
| 6426 | 40.0 | 1.20 | N/A | N/A | 52 | 240 |
| 6427 | 50.0 | 1.20 | N/A | N/A | 62 | 278 |
| 6428 | 60.0 | 1.0 | N/A | N/A | 75 | 278 |

ENCLOSED IMPELLER PERFORMANCE DATA

25 - 60 BHP

4" Flanged Horizontal Discharge

3-1/8" Solids-Passing Capacity High Head Models

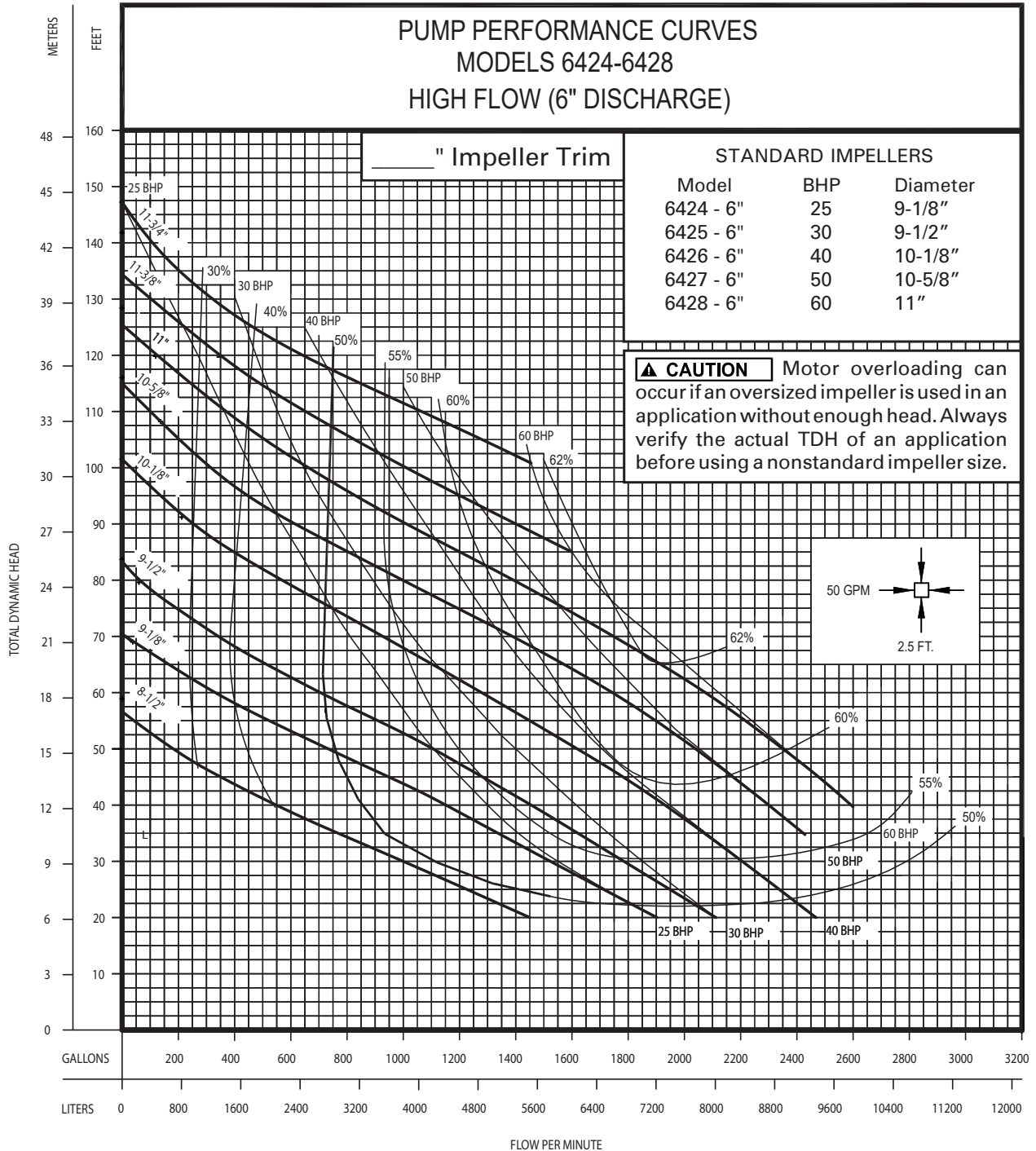


SWPA Data Categories Presented -- Data on this sheet supply design information as the minimum recommended by the Submersible Wastewater Pump Association and is defined in accordance with SWPA's Standardized Definitions for Pump and Motor Characteristics. The accuracy of the data is the responsibility of Zoeller Engineered Products.

ENCLOSED IMPELLER PERFORMANCE DATA 25 - 60 BHP



*6" Flanged Horizontal Discharge
 4" Solids-Passing Capacity High Flow Models*



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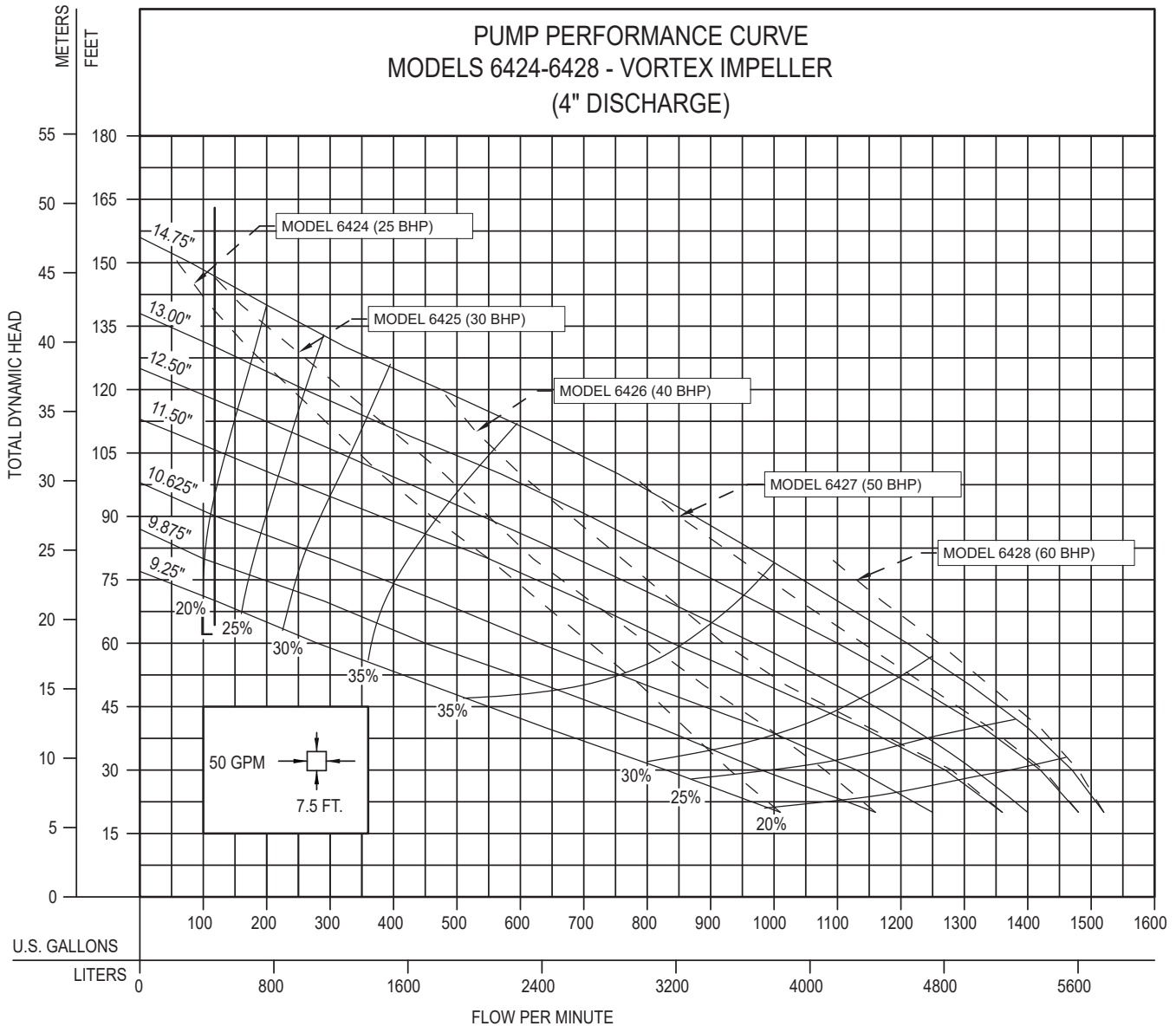
VORTEX IMPELLER

PERFORMANCE DATA

25 - 60 BHP

4" Flanged Horizontal Discharge

3" Solids Passing Vortex Impeller



157101

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