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SECTION: Z2.30.100  
ZM2969  
0426  
Supersedes  
0524

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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)	

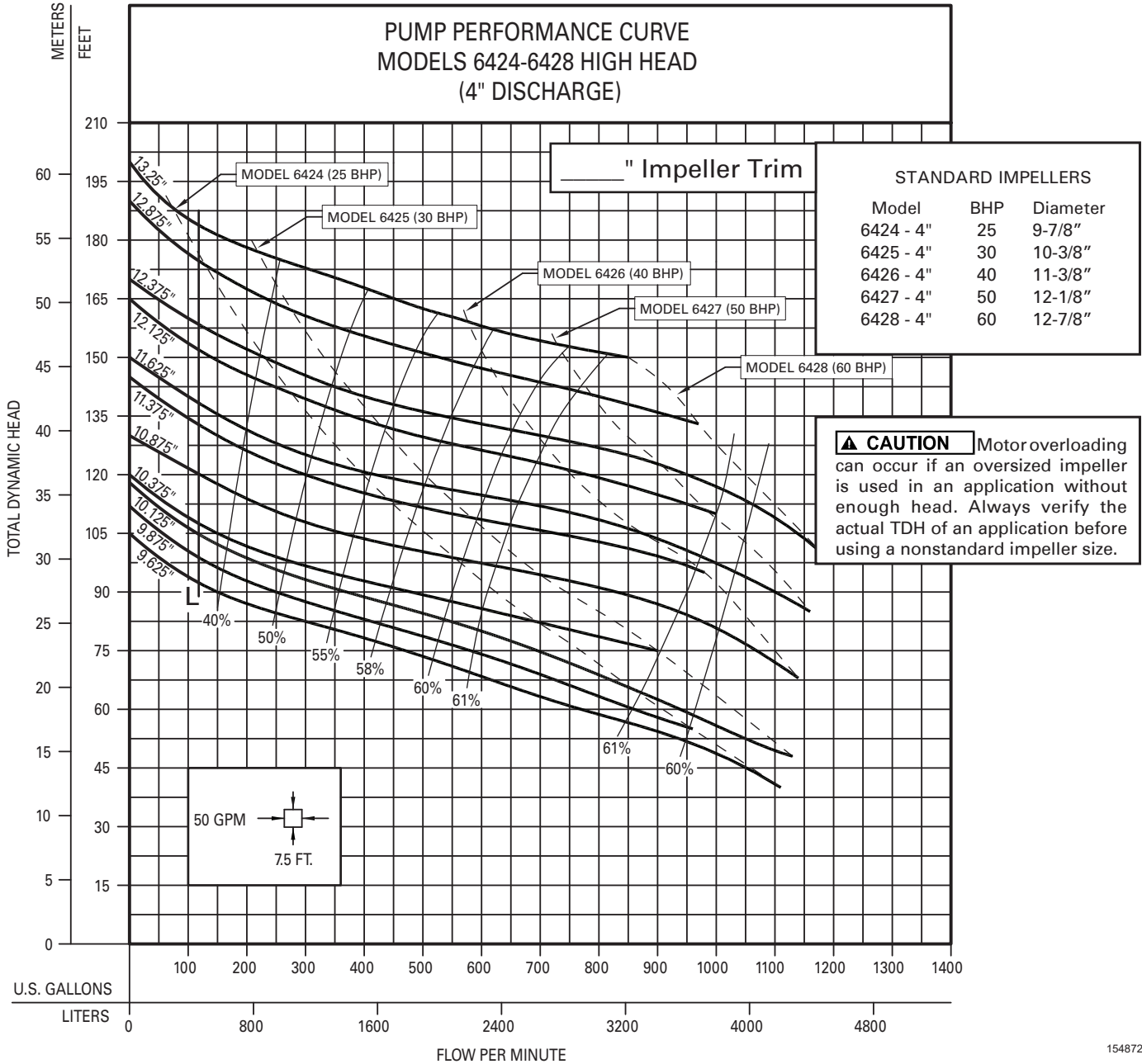
MODELS	BHP	SERVICE FACTOR	<input type="checkbox"/> 230V / 3 PHASE		<input type="checkbox"/> 460V / 3 PHASE	
			FLA	LRA	FLA	LRA
6424	25.0	1.20	68	314	34	157
6425	30.0	1.20	80	360	40	180
6426	40.0	1.20	N/A	N/A	52	240
6427	50.0	1.20	N/A	N/A	62	278
6428	60.0	1.0	N/A	N/A	75	278

# ENCLOSED IMPELLER PERFORMANCE DATA

25 - 60 BHP

4" Flanged Horizontal Discharge

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

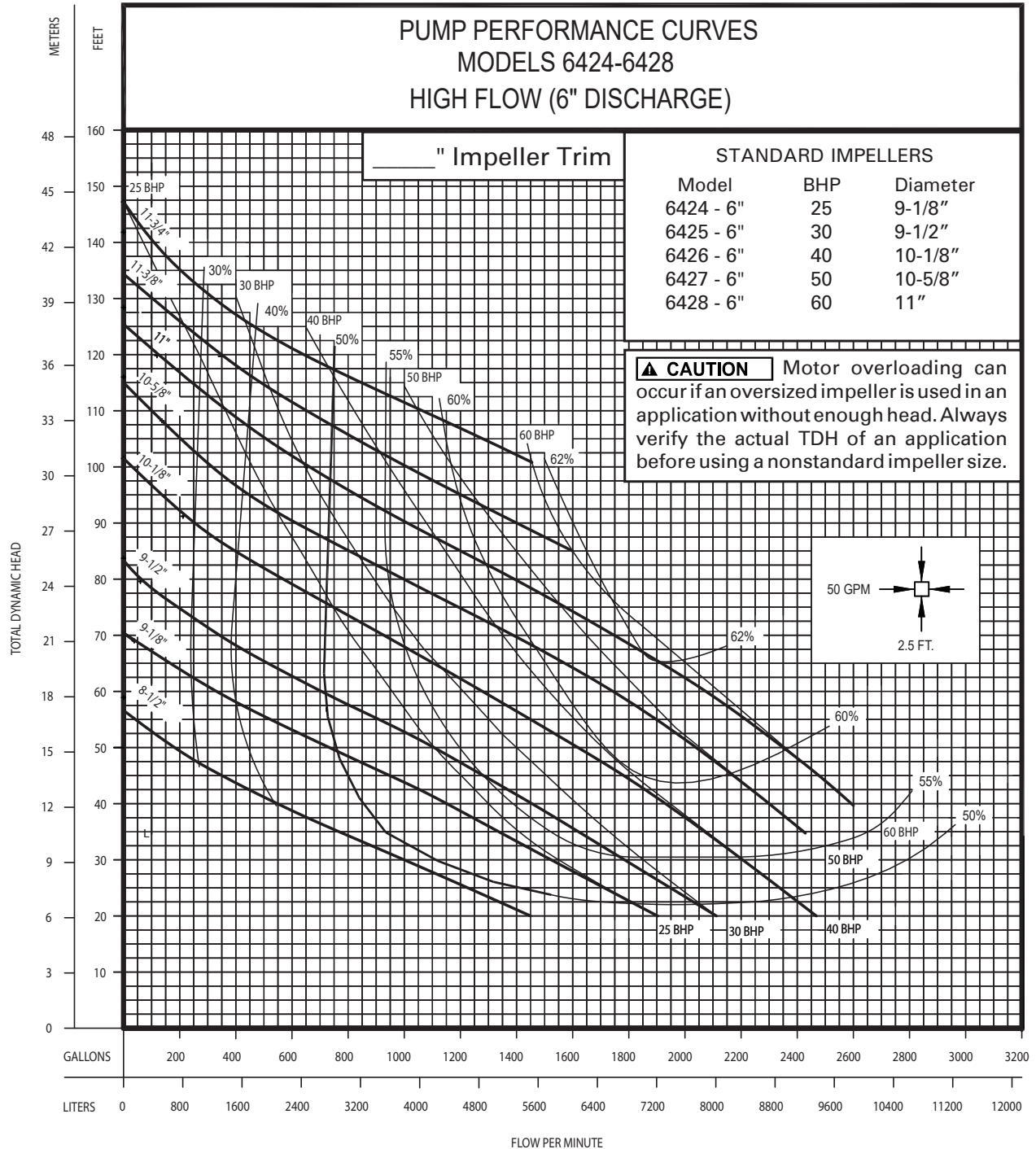


SWPA Data Categories Presented -- Data on this sheet supply design information as the minimum recommended by the Submersible Wastewater Pump Association and is defined in accordance with SWPA's Standardized Definitions for Pump and Motor Characteristics. The accuracy of the data is the responsibility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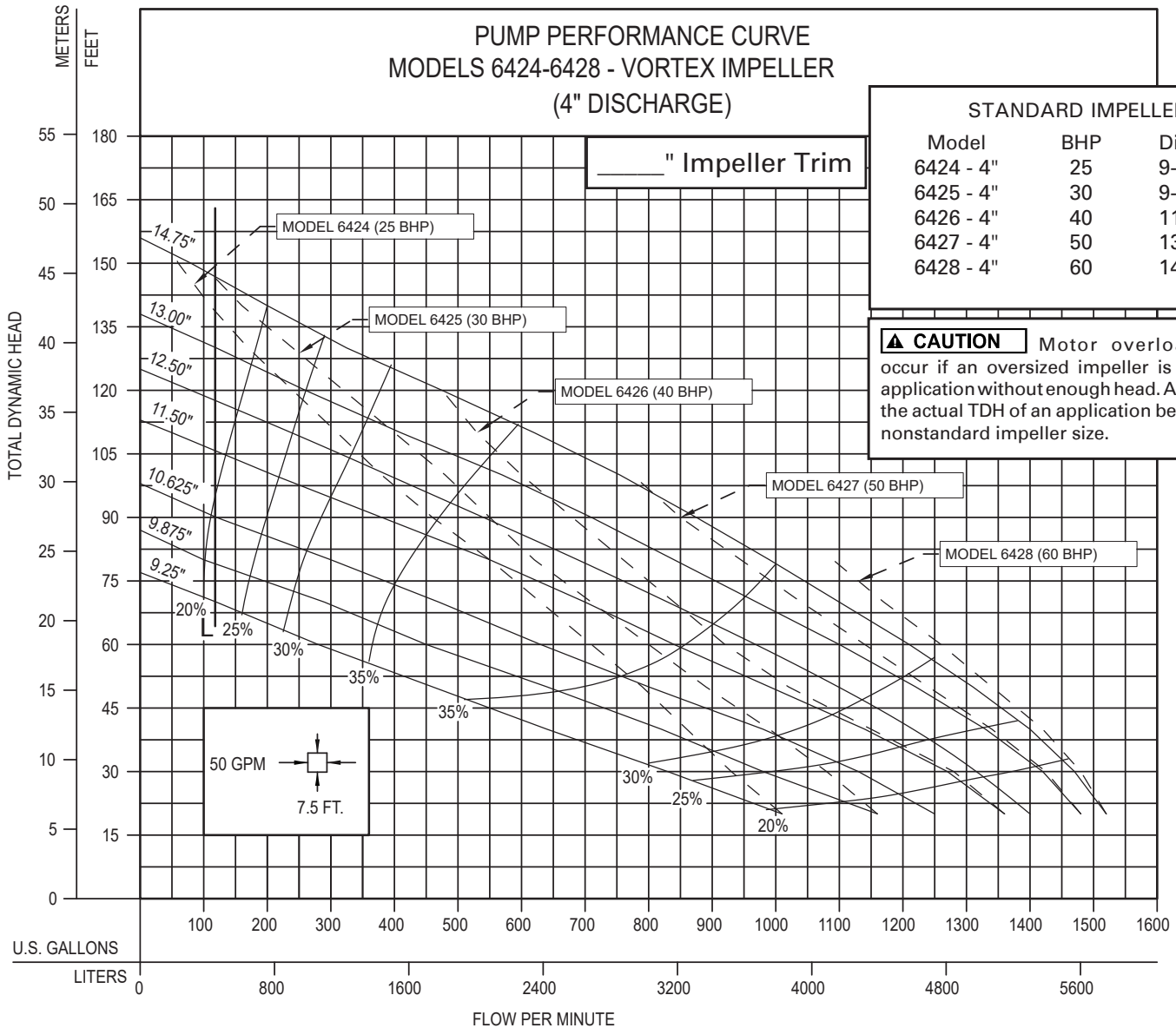
# VORTEX IMPELLER

## PERFORMANCE DATA

25 - 60 BHP

4" Flanged Horizontal Discharge

3" Solids Passing Vortex Impeller



157101

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