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



SECTION: Z2.30.110
ZM2969
0721
Supersedes
0820

MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347
SHIP TO: 3649 Cane Run Road • Louisville, KY 40211-1961
(502) 778-2731 • 1 (800) 928-PUMP • FAX (502) 774-3624

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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	9-7/8" (25.1 cm)	10-3/8" (26.4 cm)	11-3/8" (28.9 cm)	12-1/8" (30.8 cm)
	- 6" discharge	9-1/8" (23.2 cm)	9-1/2" (24.1 cm)	10-1/8" (25.7 cm)	10-5/8" (27 cm)
PUMP WEIGHT: lbs.	- 4" discharge	825 lb (374 kg)	825 lb (374 kg)	825 lb (374 kg)	825 lb (374 kg)
	- 6" discharge	850 lbs (385 kg)	850 lbs (385 kg)	850 lbs (385 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:	#18-5 SOOW
		** HIGH TEMPERATURE (25 & 30 HP)	<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.

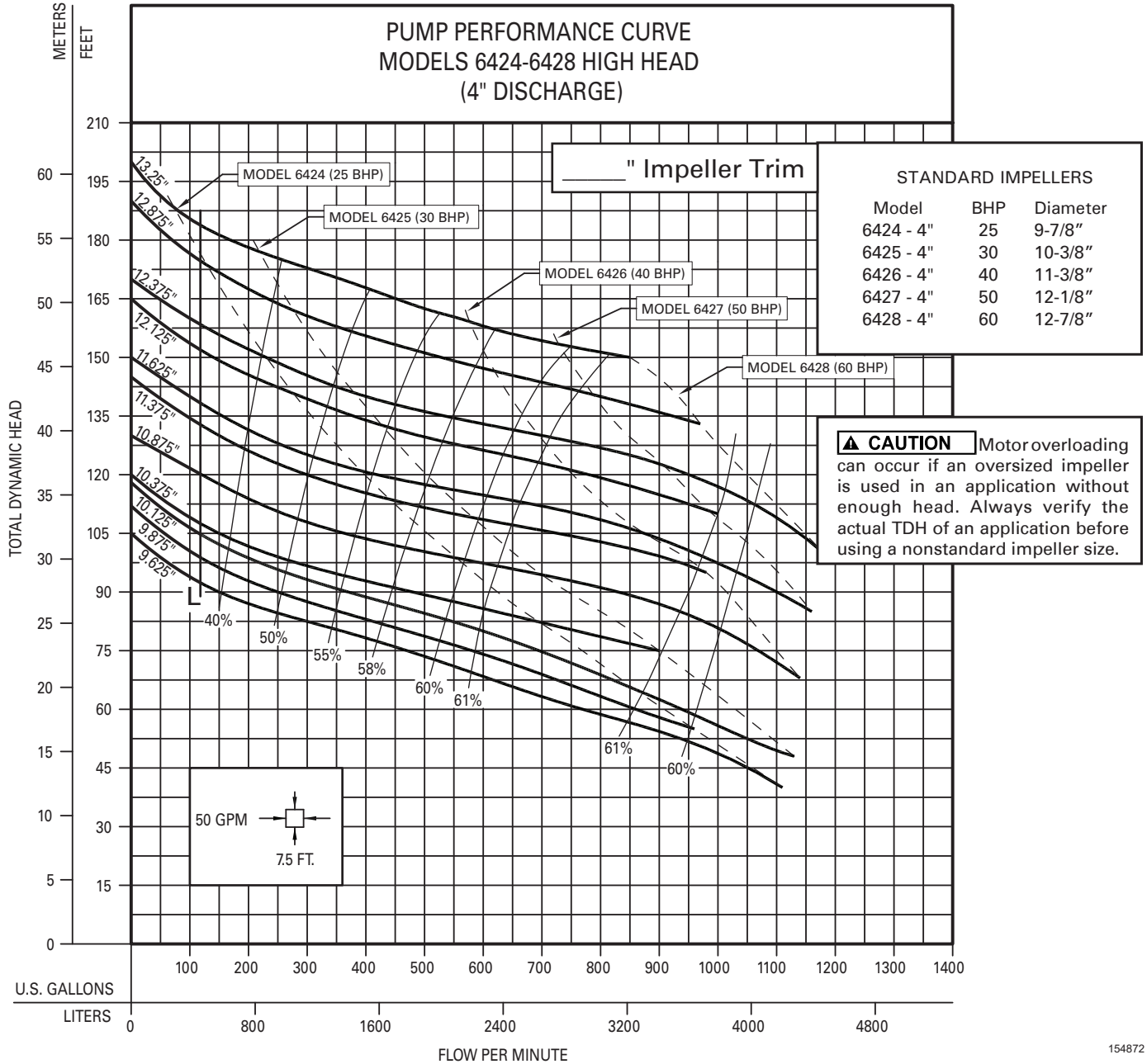
SHAFT SEAL CONSTRUCTION:	STANDARD	CARBON/CERAMIC
	OPTIONAL	<input type="checkbox"/> UPPER <input type="checkbox"/> LOWER - SILICON CARBIDE/SILICON CARBIDE
STANDARD SENSING DEVICES:	MOTOR THERMAL SHUTOFF	THERMAL SENSORS WITH AUTOMATIC RESET
	MOISTURE DETECTION	MOISTURE SENSING PROBES
IMPELLER: SIZE, DESIGN 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		<input type="checkbox"/> 575V / 3 phase	
			FLA	LRA	FLA	LRA	FLA	LRA
6424	25.0	1.20	68	314	34	157	27	125
6425	30.0	1.20	80	360	40	180	32	144
6426	40.0	1.20	N/A	N/A	52	240	41	192
6427	50.0	1.20	N/A	N/A	62	278	52	222
6428	60.0	1.0	N/A	N/A	75	278	62	222

ENCLOSED IMPELLER PERFORMANCE DATA 25 - 60 BHP



4" Flanged Horizontal Discharge 3-1/8" Solids-Passing Capacity High Head Models

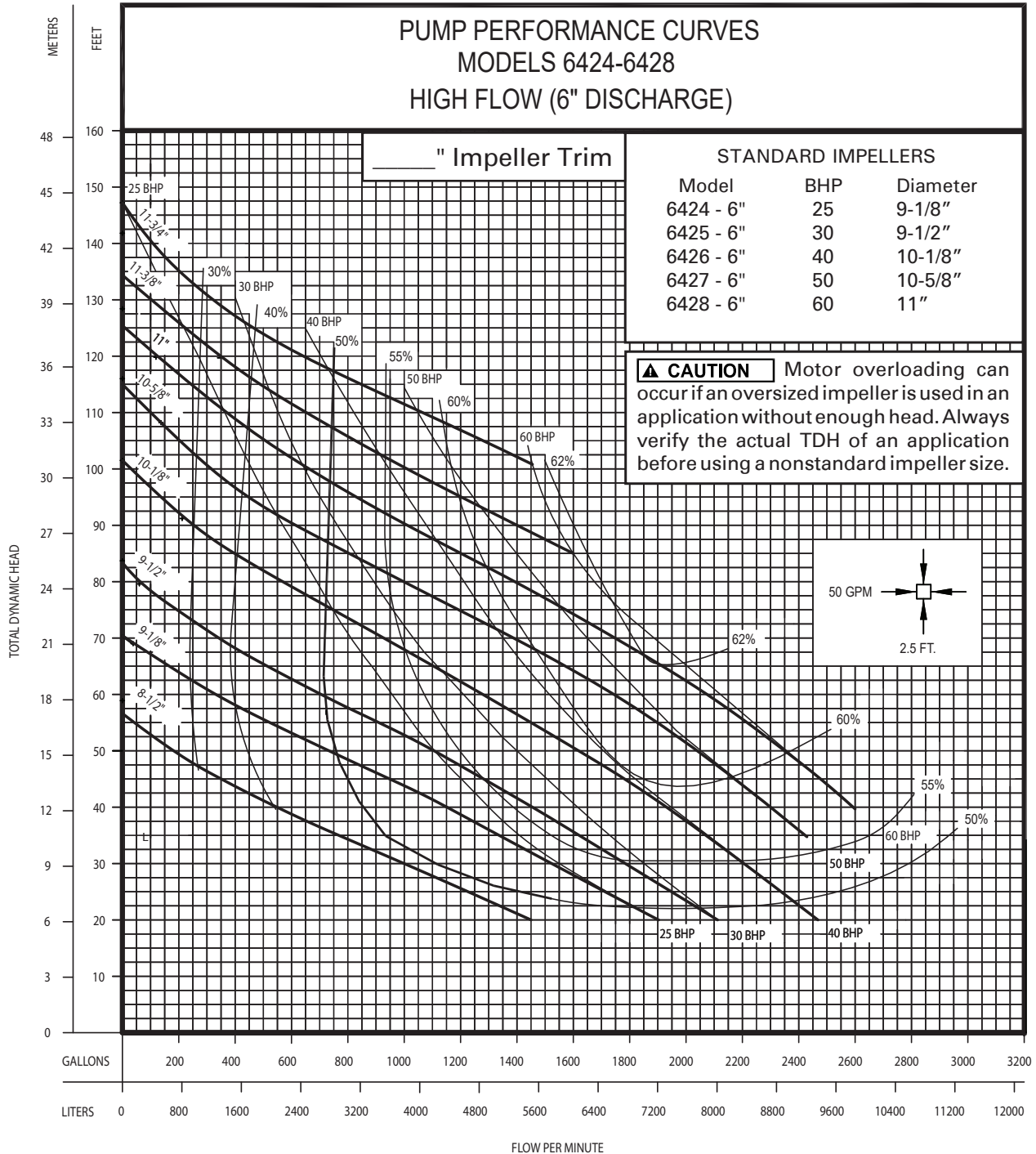


SWPA Data Categories Presented -- Data on this sheet supply design information as the minimum recommended by the Submersible Wastewater Pump Association and is defined in accordance with SWPA's Standardized Definitions for Pump and Motor Characteristics. The accuracy of the data is the responsibility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

ENCLOSED IMPELLER PERFORMANCE DATA 25 - 60 BHP



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



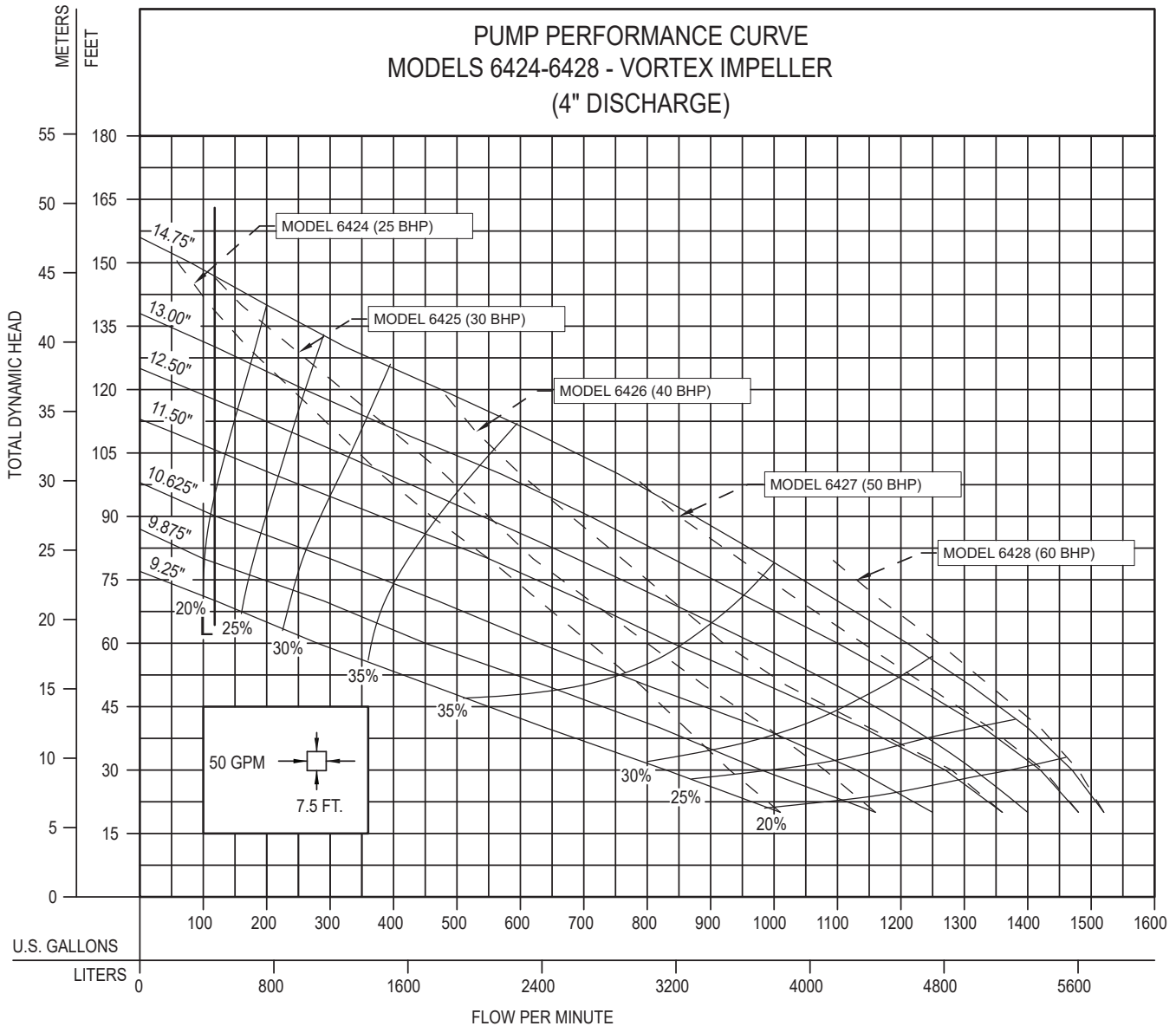
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VORTEX IMPELLER

PERFORMANCE DATA

25 - 60 BHP

4" Flanged Horizontal Discharge
3" Solids Passing Vortex Impeller



157101

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