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Patent No.  
6,364,620



SECTION: Z2.10.200  
ZM1752  
0524  
Supersedes  
0823

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



## 61 HD SERIES TECHNICAL DATA 5, 7.5 & 10 BHP / 3450 RPM



MODEL NUMBER:	<input type="checkbox"/> 6111	<input type="checkbox"/> 6112	<input type="checkbox"/> 6113
PUMP NAME PLATE HORSEPOWER: BHP	5	7.5	10.0
SERVICE FACTOR:	1.2	1.2	1.0
NEC LOCKED ROTOR CODE:	E	D	B
MAXIMUM KW INPUT:	5.3	7.8	10.5
3 PHASE IMPELLER DIA.: in (mm) STANDARD	4-3/8" (111 mm)	4-3/4" (121 mm)	5-1/8" (130 mm)
DISCHARGE SIZE:	<input type="checkbox"/> 3" NPT Vertical <input type="checkbox"/> 3" Horizontal Flange <input type="checkbox"/> 4" Horizontal Flange		

SOLID SIZE: in (mm)	2-1/2"(64 mm)	TANDEM SEALS:	STANDARD
IMPELLER TYPE:	BRONZE SEMI-OPEN OPTIONAL <input type="checkbox"/> DUCTILE IRON VORTEX	MOTOR DESIGN LETTER:	NEMA B
FLANGE:	ANSI B16.1	POWER CORD LENGTH: FT (M)	25' (7.6 m) <input type="checkbox"/>
PUMP NET WEIGHT: lbs. (kg)	245 lbs. (111kg)	POWER CORD:	#12-4 SOOW*
MOTOR SHAFT	416 SS	STATOR & LEAD WIRES INSULATION:	CLASS F
RPM:	3450	MAXIMUM STATOR TEMPERATURE:	311 °F (155 °C)
MOTOR TYPE:	STANDARD SUBMERSIBLE		

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
O-RING ELASTOMERS	STANDARD	BUNA-N
	OPTIONAL	<input type="checkbox"/> VITON
STANDARD SENSING DEVICES** w/ #18-5 SOOW CORD	MOTOR THERMAL SHUTOFF	THERMAL SENSORS WITH AUTOMATIC RESET
	MOISTURE DETECTION	MOISTURE SENSING PROBES
IMPELLER TRIM:	OPTIONAL	<input type="checkbox"/> DESIGN POINT: ___ GPM @ ___' TDH, IMPELLER DIA. ___"
RECOMMENDED FLUID LEVEL FOR CONTINUOUS OPERATIONS: in (m)	24" (0.6m)(FOR CONTINUOUS DUTY, REFER TO WARRANTY)	
MAXIMUM WATER TEMPERATURE FOR CONTINUOUS OPERATION:	104 °F (40 °C)	

\* 200/208V and 230V units use a #8-4 gauge power cord.

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

MODEL	BHP	SERVICE FACTOR	<input type="checkbox"/> 230V / 1 PHASE		<input type="checkbox"/> 200V / 3 PHASE		<input type="checkbox"/> 230V / 3 PHASE		<input type="checkbox"/> 460V / 3 PHASE	
			FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA
6111	5.0	1.2	28.0	132.0	17.5	66.0	15.2	57.0	7.6	28.5
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



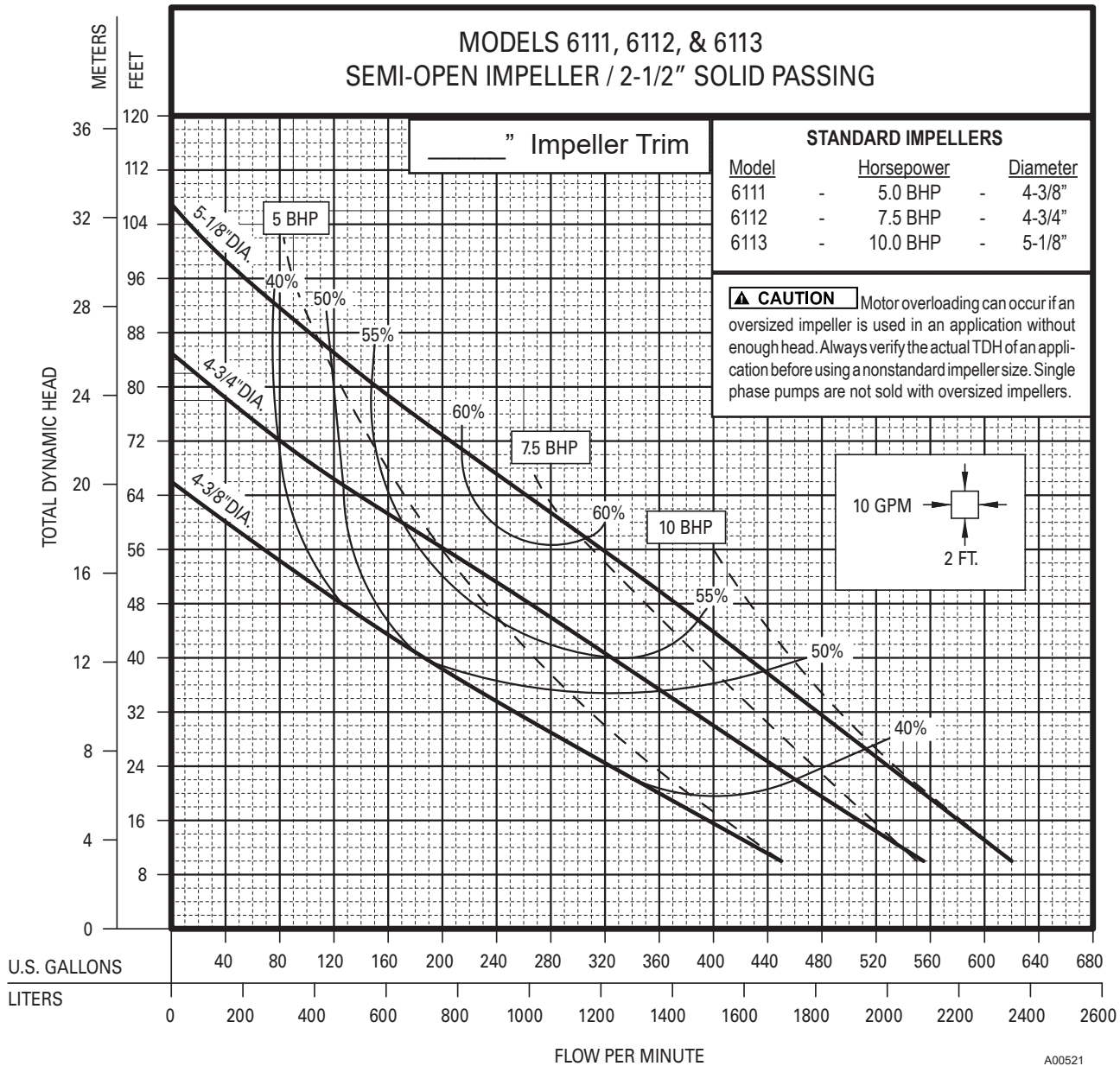
# 61 HD SERIES

## PERFORMANCE DATA

### 3" VERTICAL, 3" HORIZONTAL & 4" HORIZONTAL DISCHARGE

#### Semi-Open Impeller 2-1/2" Solids

#### 3450 RPM



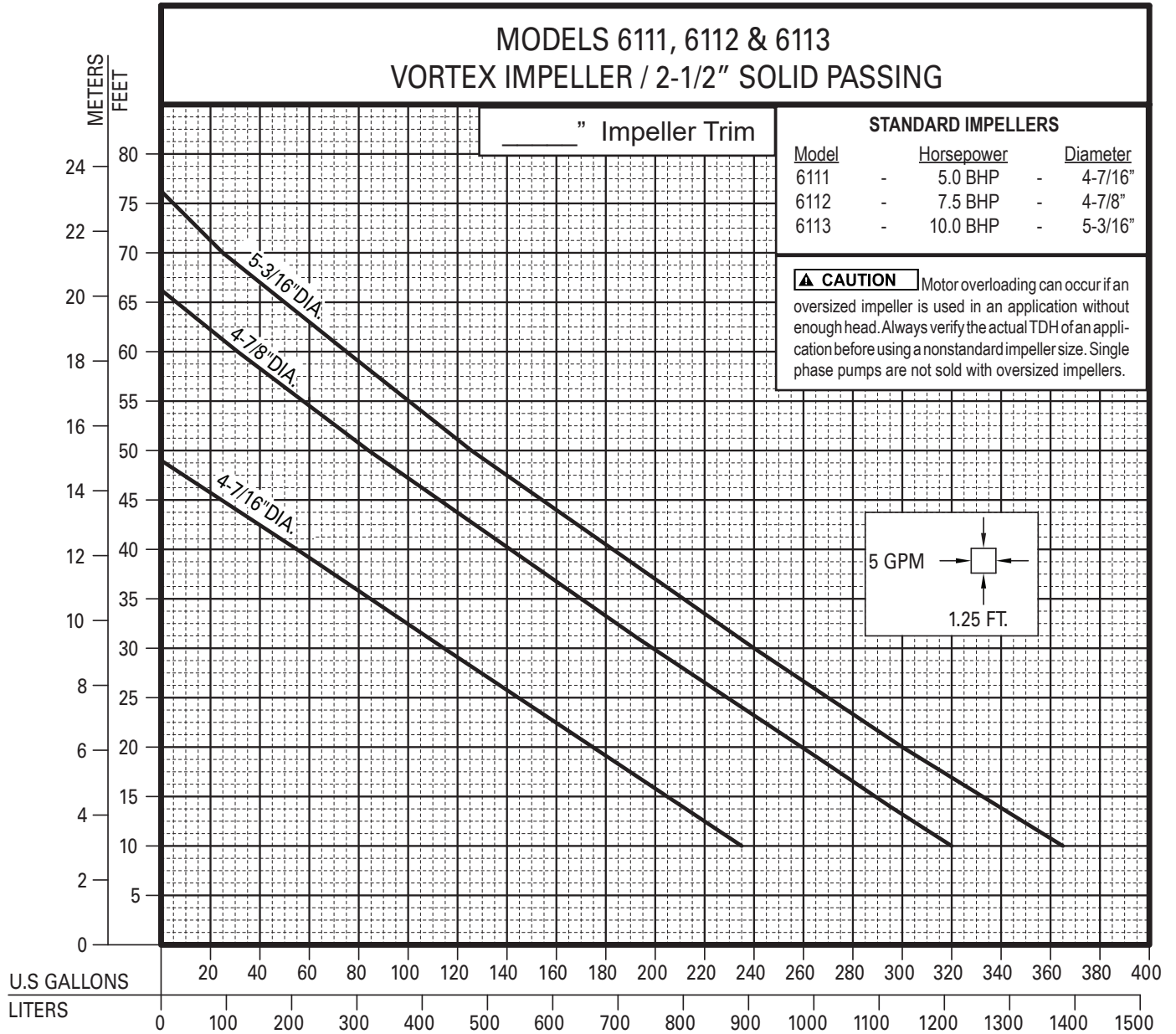


# 61 HD SERIES

## PERFORMANCE DATA

### 3" VERTICAL, 3" HORIZONTAL & 4" HORIZONTAL DISCHARGE

#### Vortex Impeller 2-1/2" Solids 3450 RPM



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**Zoeller Engineered Products • 3649 Cane Run Road • Louisville, Kentucky 40211-1961 • (502) 778-2731**

*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.*

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