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SECTION: Z3.20.100  
ZM1786  
0126  
Supersedes  
0925

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



## 71 SERIES GRINDER PUMPS TECHNICAL DATA 3, 5, 7.5 HP



<b>MODEL NUMBER:</b>	<input type="checkbox"/> 7110	<input type="checkbox"/> 7111	<input type="checkbox"/> 7112
<b>PUMP NAME PLATE HORSEPOWER: HP</b>	3.0	5.0	7.5
<b>SERVICE FACTOR:</b>	1.2	1.2	1.2
<b>NEC LOCKED ROTOR CODE:</b>	M (1 Ph) G (3 Ph)	G (1 Ph) H(3 Ph)	D
<b>MAXIMUM KW INPUT:</b>	5.3	6.4	8.0
<b>IMPELLER DIAMETERS: in (mm) STANDARD</b>	REFER TO PUMP PERFORMANCE DATA		
<b>DISCHARGE SIZE:</b>	<input type="checkbox"/> 2-1/2" flanged, adaptable to 3" <input type="checkbox"/> 2" npt		
<input type="checkbox"/> High head design <input type="checkbox"/> High flow design <input type="checkbox"/> Reversible design (3 phase flange models only)			

<b>IMPELLER TYPE:</b>	Ductile Iron Vortex	<b>TANDEM SEALS:</b>	Standard
<b>FLANGE:</b>	ANSI B16.1	<b>MOTOR DESIGN LETTER:</b>	NEMA B (3 Ph) NEMA L (1 Ph)
<b>PUMP NET WEIGHT: lbs. (kg)</b>	245 lbs. (111 kg)	<b>POWER CORD LENGTH: ft (m)</b>	25' (7.6 m) <input type="checkbox"/> _____'
<b>MOTOR SHAFT:</b>	416 SS	<b>POWER CORD:</b>	#12-4 SO*
<b>RPM:</b>	3450	<b>STATOR &amp; LEAD WIRES INSULATION:</b>	Class F
<b>MOTOR TYPE:</b>	Submersible	<b>MAXIMUM STATOR TEMPERATURE:</b>	311 °F (155 °C)

<b>SHAFT SEAL CONSTRUCTION:</b>	<b>STANDARD</b>	UPPER - CARBON CERAMIC LOWER - SILICON CARBIDE/SILICON CARBIDE
	<b>OPTIONAL UPPER</b>	<input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE <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>STANDARD SENSING DEVICES**</b>	<b>MOTOR THERMAL SHUTOFF MOISTURE DETECTION</b>	THERMAL SENSORS WITH AUTOMATIC RESET MOISTURE SENSING PROBES
<b>IMPELLER TRIM:</b>	<input type="checkbox"/> <b>OPTIONAL</b>	DESIGN POINT: ____ GPM (LPM) @ ____ TDH, IMPELLER DIA. ____
<b>MAXIMUM WATER TEMPERATURE:</b>		104 °F (40 °C)

\* Units with FLA greater than 20 amps use a #8 4-gauge power cord.

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

MODEL	HP	SERVICE FACTOR	<input type="checkbox"/> 230V / 1 PHASE		<input type="checkbox"/> 208V / 3 PHASE		<input type="checkbox"/> 230V / 3 PHASE		<input type="checkbox"/> 460V / 3 PHASE	
			FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA
7110	3.0	1.2	23.6	132.0	17.3	66.0	15.1	57.0	7.5	28.5
7111	5.0	1.2	28.0	132.0	20.7	94.0	18.0	82.0	9.0	41.0
7112	7.5	1.2	--	--	25.3	94.0	22.0	82.0	11.0	41.0

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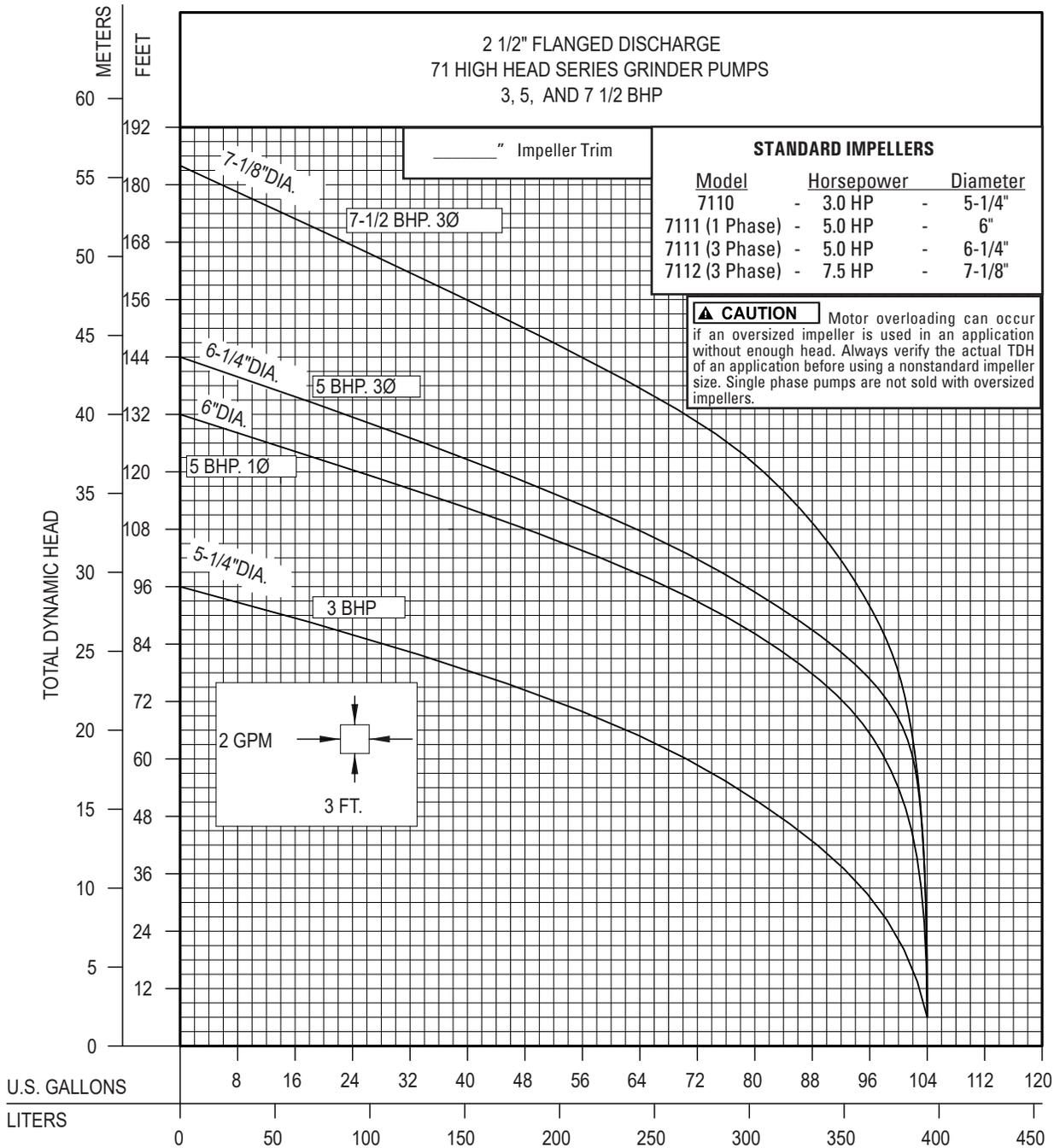
*Remove legs from 71HD grinder pump before placing on rail system.*

# HIGH HEAD MODELS

## PERFORMANCE DATA

### 3, 5 & 7-1/2 HP - 3450 RPM

### FLANGED DISCHARGE



A00523

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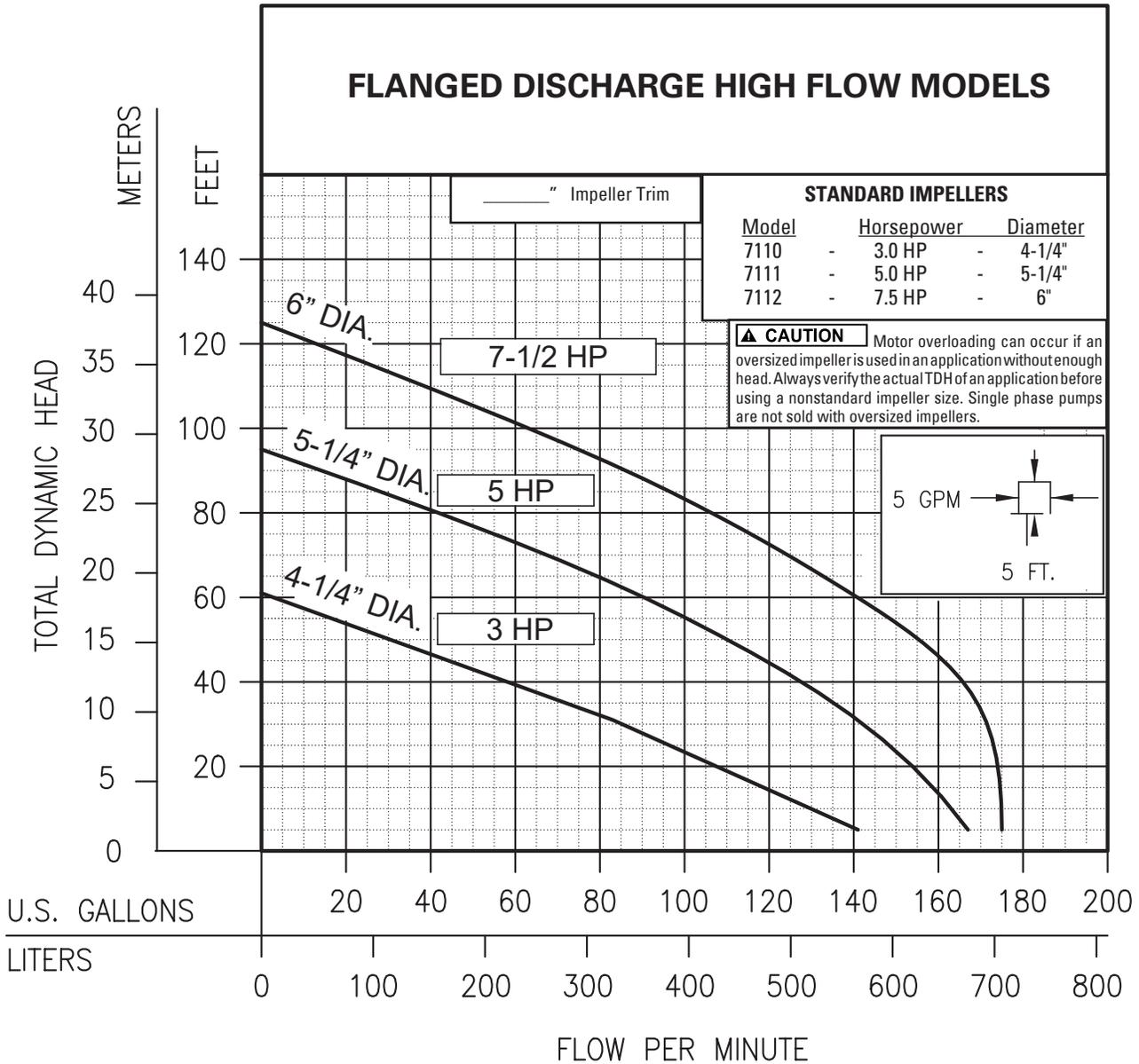
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# HIGH FLOW MODELS

## PERFORMANCE DATA

### 3, 5 & 7-1/2 HP - 3450 RPM

### FLANGED DISCHARGE



A00550

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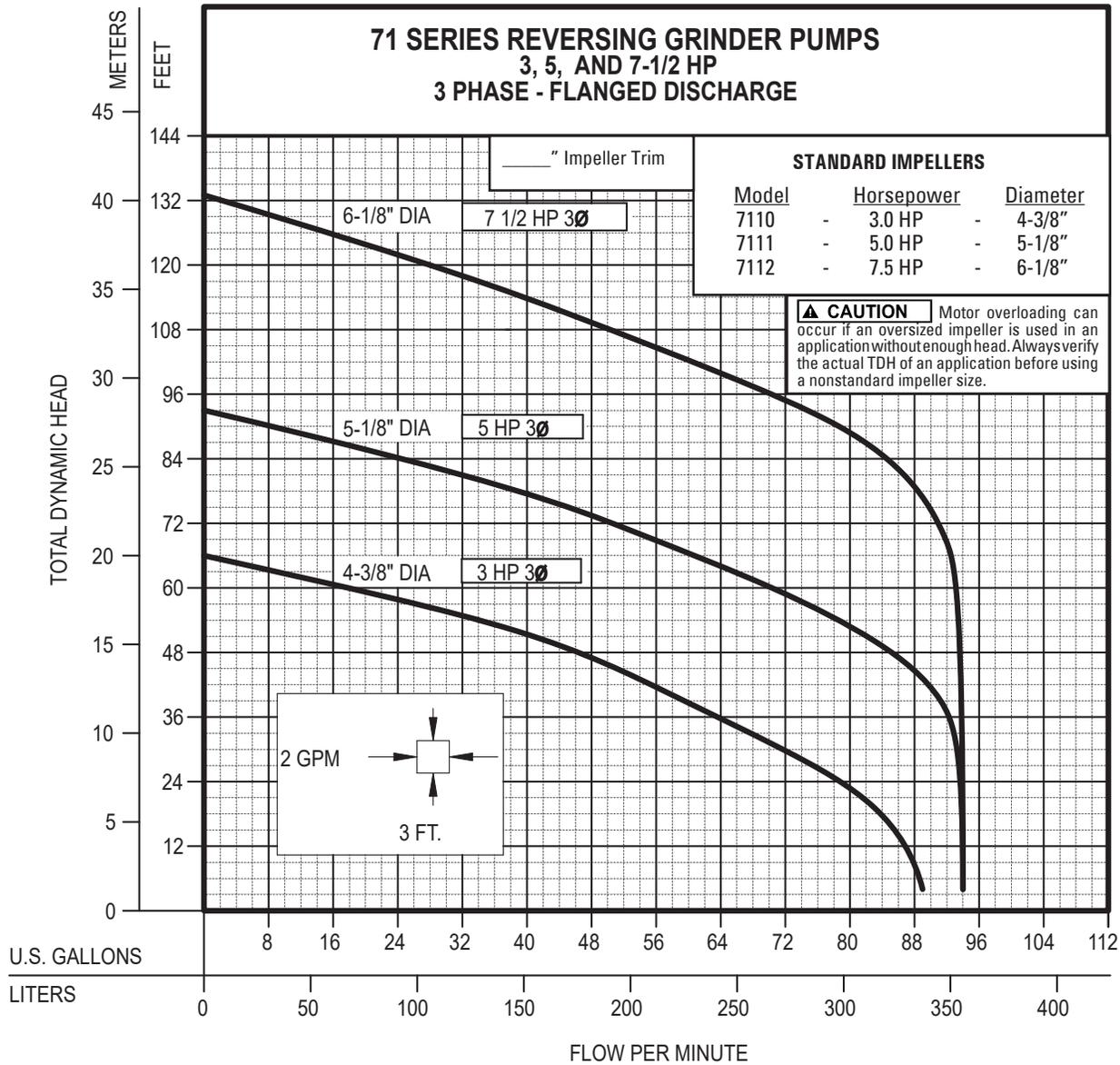


# REVERSING GRINDER PUMPS

## PERFORMANCE DATA

### 3, 5 & 7-1/2 HP - 3450 RPM

### 3 PHASE - FLANGED DISCHARGE



A00549

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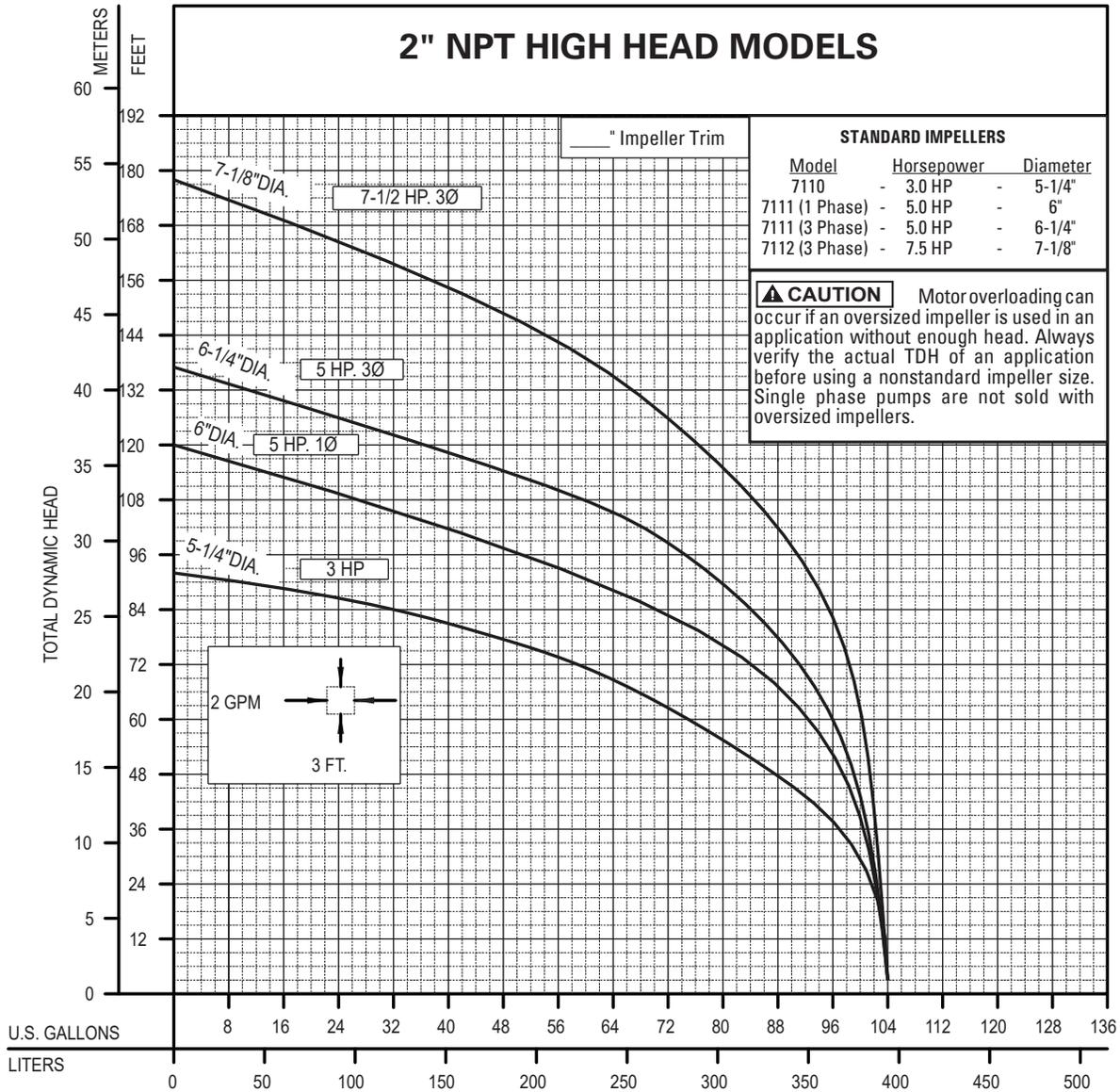


# HIGH HEAD MODELS

## PERFORMANCE DATA

### 3, 5 & 7-1/2 HP - 3450 RPM

### NPT VERTICAL DISCHARGE



A00651

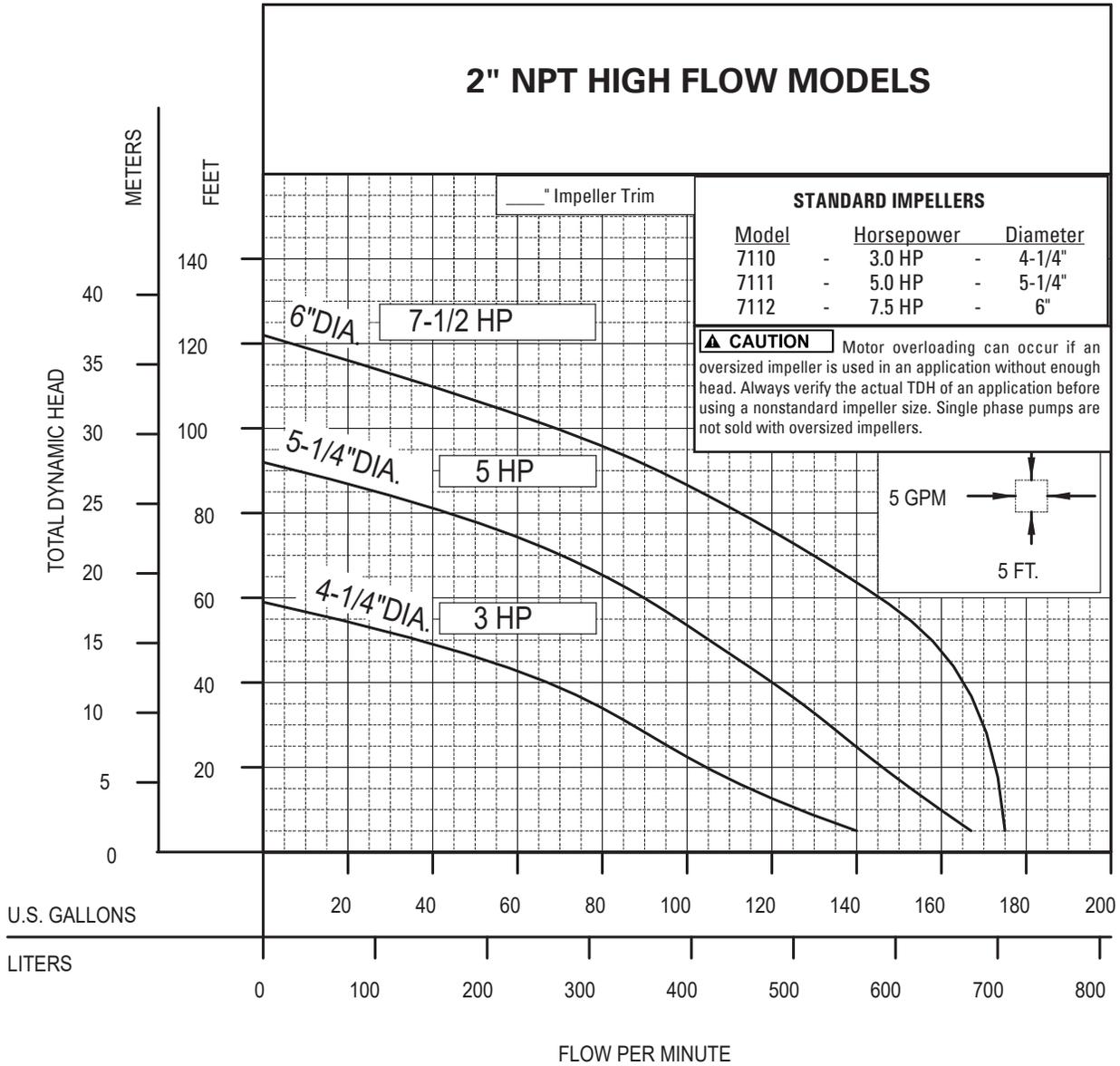


# HIGH FLOW MODELS

## PERFORMANCE DATA

### 3, 5 & 7-1/2 HP - 3450 RPM

### NPT VERTICAL DISCHARGE



A00652

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