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SECTION: Z3.20.100

ZM1786

0925

Supersedes

0823

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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



MODEL NUMBER:	<input type="checkbox"/> 7110	<input type="checkbox"/> 7111	<input type="checkbox"/> 7112
PUMP NAME PLATE HORSEPOWER: HP	3.0	5.0	7.5
SERVICE FACTOR:	1.2	1.2	1.2
NEC LOCKED ROTOR CODE:	M (1 Ph) G (3 Ph)	G (1 Ph) H(3 Ph)	D
MAXIMUM KW INPUT:	5.3	6.4	8.0
IMPELLER DIAMETERS: in (mm) STANDARD	REFER TO PUMP PERFORMANCE DATA		
DISCHARGE SIZE:	<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)	

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

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**	MOTOR THERMAL SHUTOFF MOISTURE DETECTION	THERMAL SENSORS WITH AUTOMATIC RESET MOISTURE SENSING PROBES
IMPELLER TRIM:	<input type="checkbox"/> OPTIONAL	DESIGN POINT: ____ GPM (LPM) @ ____ TDH, IMPELLER DIA. ____
MAXIMUM WATER TEMPERATURE:		104 °F (40 °C)

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

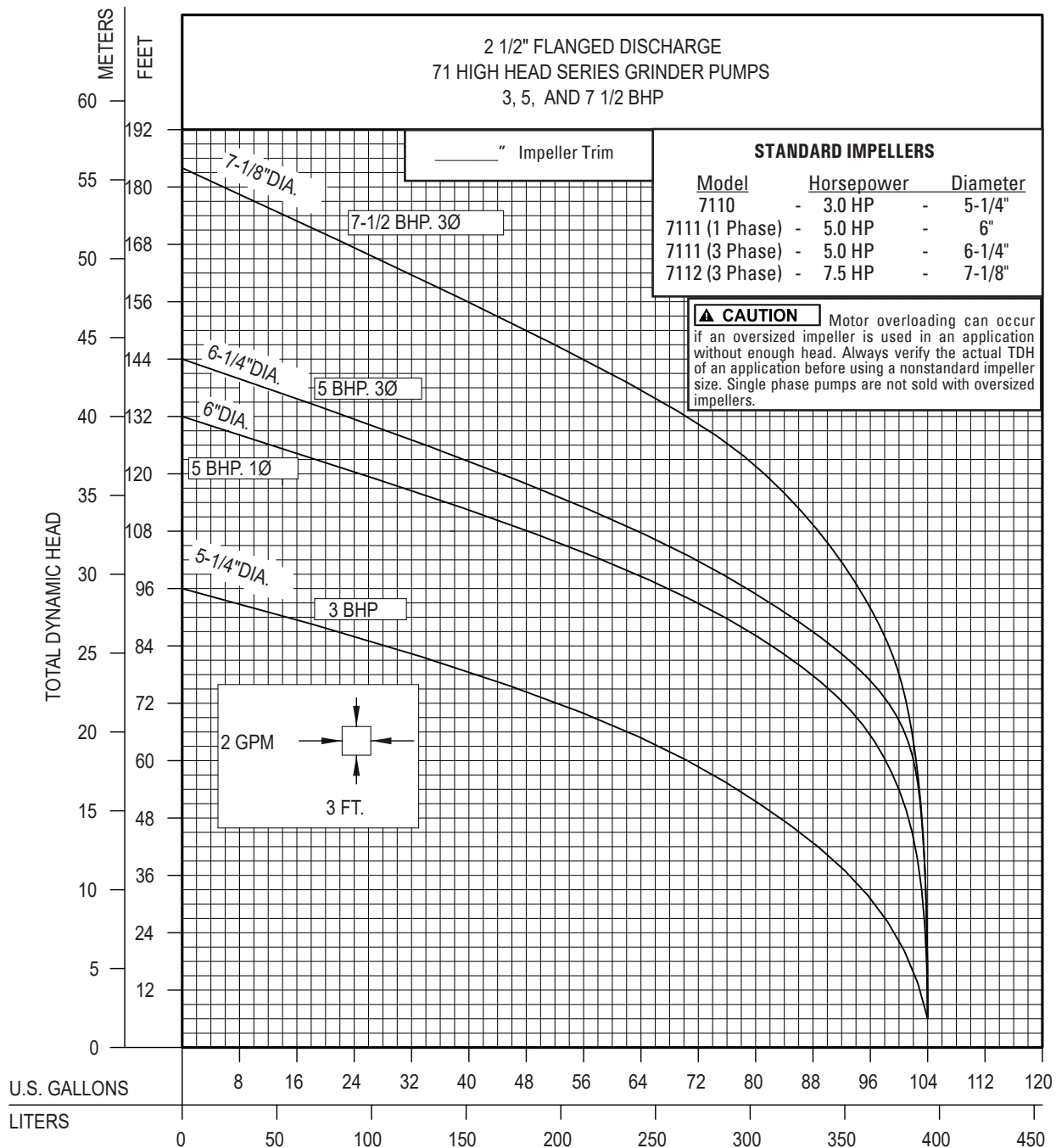
** Requires a circuit in control panel to function.

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		<input type="checkbox"/> 575V / 3 PHASE	
			FLA	LRA	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	6.0	25.2
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**



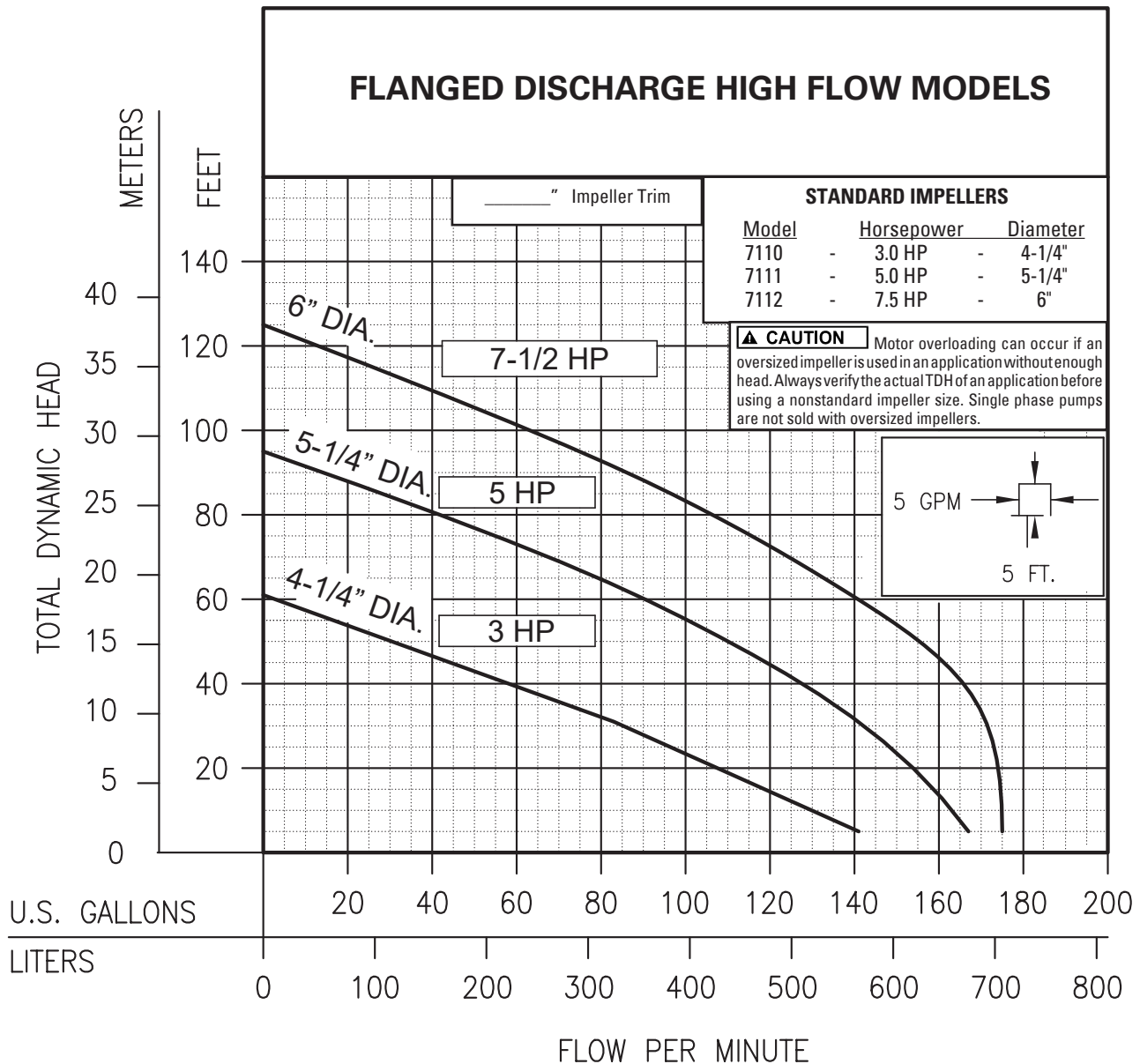
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SWPA Data Categories Presented -- Data on this sheet supply design information as the minimum recommended by the Submersible Wastewater Pump Association and is defined in accordance with SWPA's Standardized Definitions for Pump and Motor Characteristics.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

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HIGH FLOW MODELS PERFORMANCE DATA 3, 5 & 7-1/2 HP - 3450 RPM FLANGED DISCHARGE



A00550

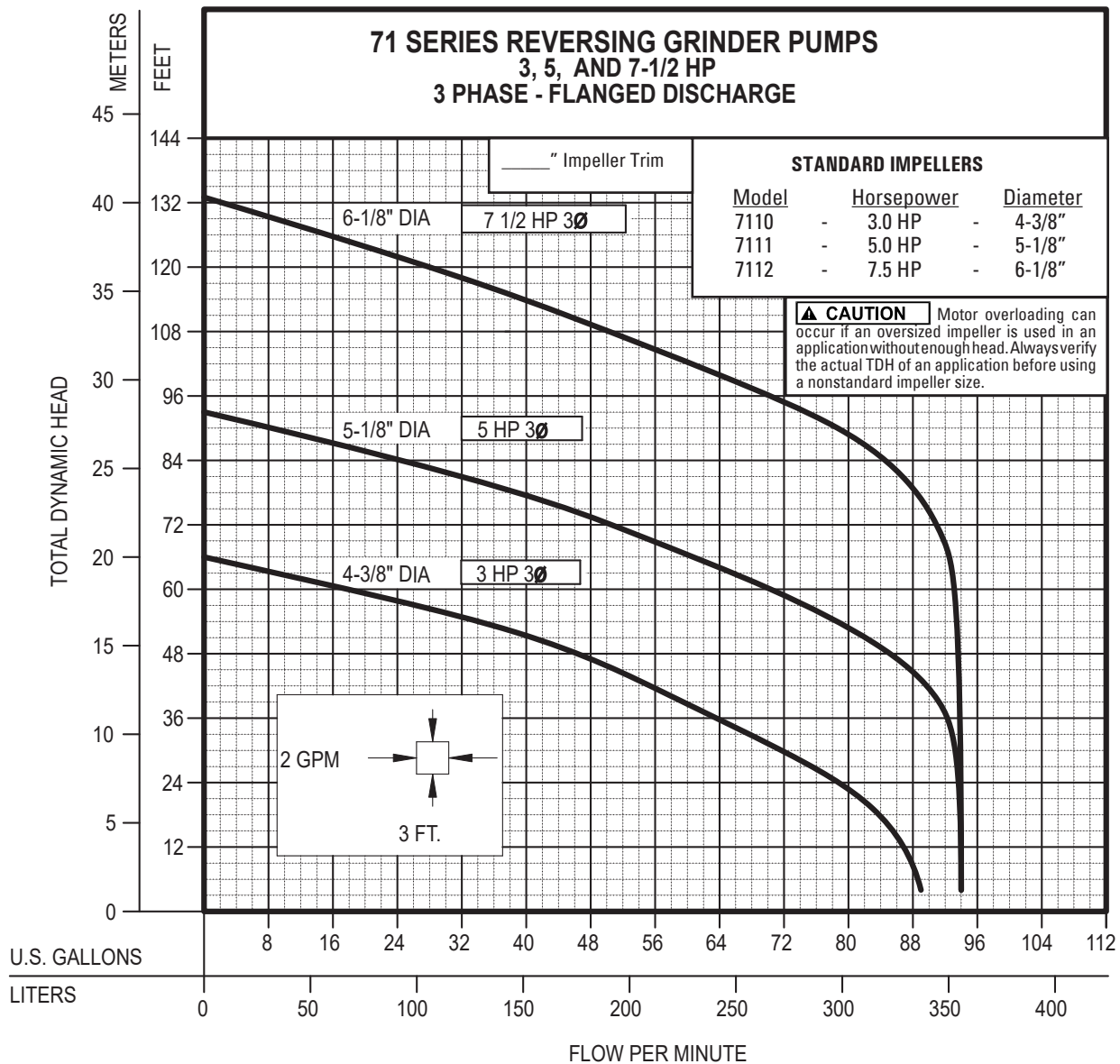
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REVERSING GRINDER PUMPS

PERFORMANCE DATA
3, 5 & 7-1/2 HP - 3450 RPM
FLANGED DISCHARGE

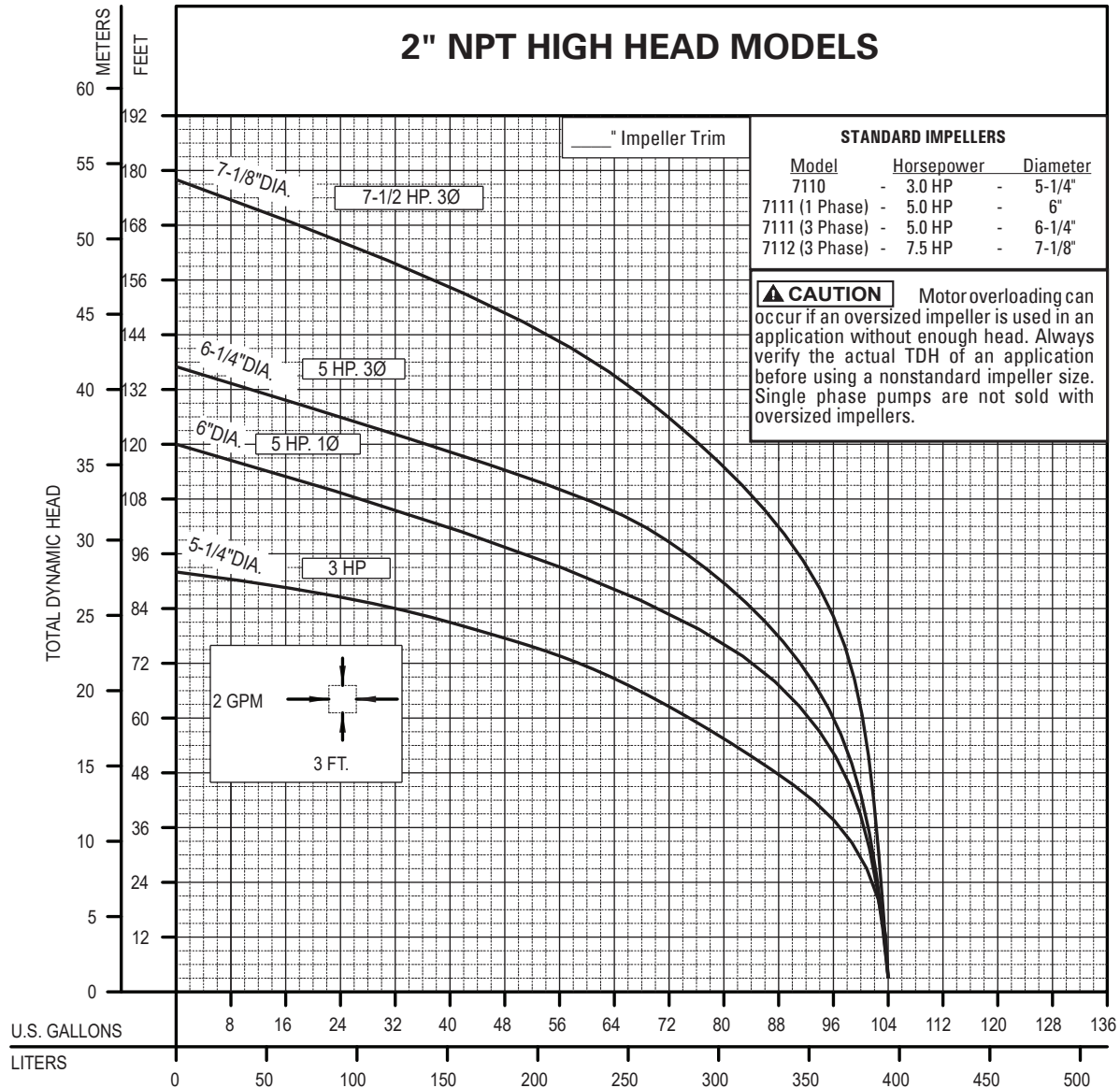


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HIGH HEAD MODELS PERFORMANCE DATA 3, 5 & 7-1/2 HP - 3450 RPM NPT VERTICAL DISCHARGE



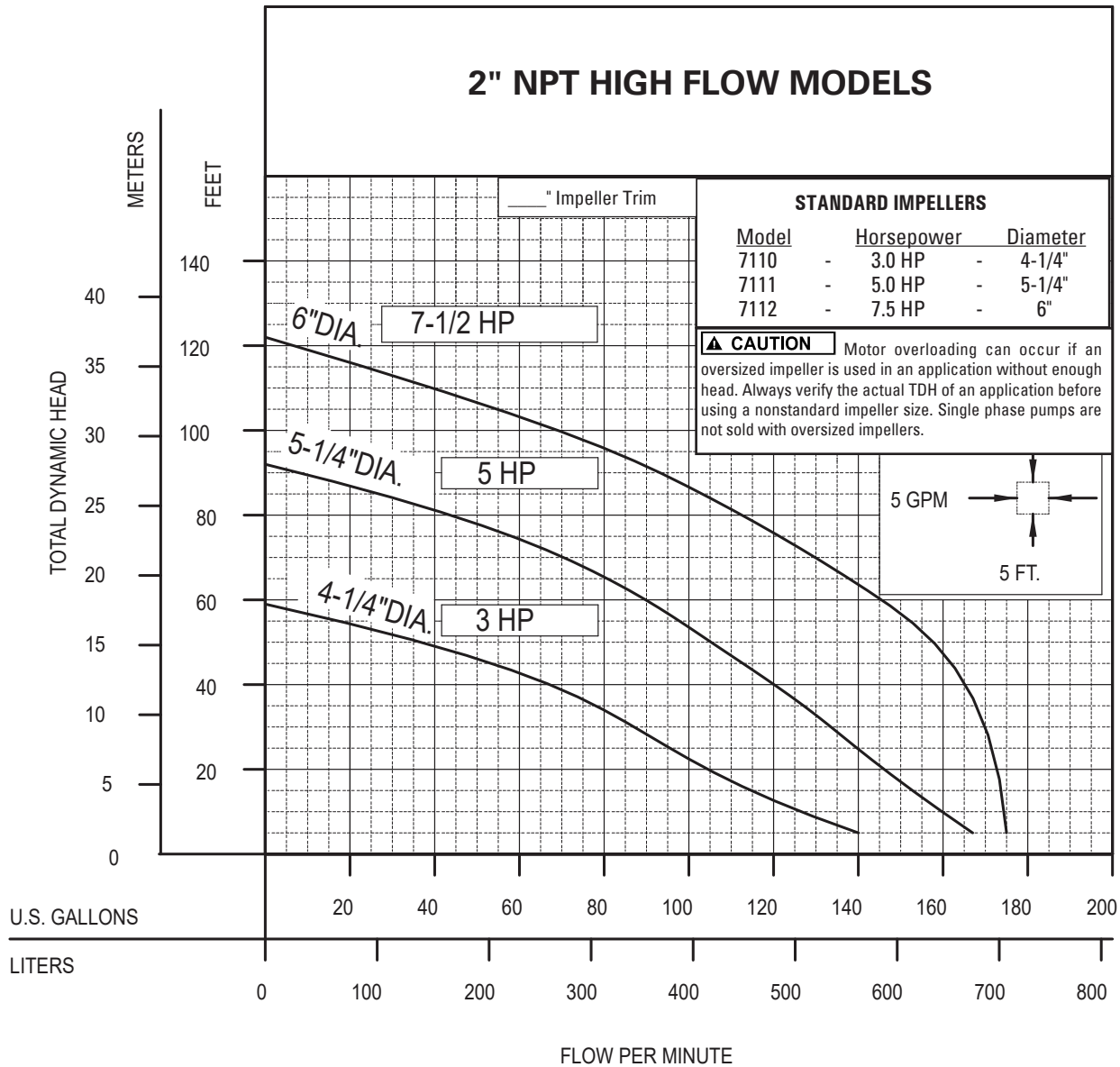
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HIGH FLOW MODELS PERFORMANCE DATA 3, 5 & 7-1/2 HP - 3450 RPM NPT VERTICAL DISCHARGE



A00652

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