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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

1-7.5 BHP / 1750 RPM



MODEL NUMBER:	☐ 6120	☐ 6121	☐ 6122	☐ 6123	☐ 6124	☐ 6125
PUMP NAME PLATE HORSEPOWER: BHP	1.0	1.5	2.0	3.0	5.0	7.5
SERVICE FACTOR:	1.2	1.2	1.2	1.2	1.2	1.0
NEC LOCKED ROTOR CODE:	M	J	K	F	E	C
MAXIMUM KW INPUT:	1.4	1.9	2.4	3.5	5.5	6.9
3 PHASE IMPELLER DIA.: in (mm) STANDARD	4-7/8" (124 mm)	5-3/8" (137 mm)	5-3/4" (146 mm)	6-3/8" (162 mm)	7" (178 mm)	7-1/2" (191 mm)
DISCHARGE SIZE:	☐ 3" NPT Vertical ☐ 3" Horizontal Flange ☐ 4" Horizontal Flange					

SOLID SIZE: in (mm)	2 -1/2"(64 mm) OPTIONAL ☐ 3"(76 mm)	TANDEM SEALS:	Standard
IMPELLER TYPE:	DUCTILE IRON SEMI-OPEN OPTIONAL ☐ DUCTILE IRON VORTEX	MOTOR DESIGN LETTER:	NEMA B
FLANGE:	ANSI B16.1	POWER CORD LENGTH: FT (M)	25' (7.6 m) ☐
PUMP NET WEIGHT: lbs. (kg)	245 lbs. (111kg)	POWER CORD:	#12-4 SOOW*
MOTOR SHAFT	416 SS	STATOR & LEAD WIRES INSULATION:	Class F
RPM:	1750	MAXIMUM STATOR TEMPERATURE:	311 °F (155 °C)
MOTOR TYPE:	STANDARD SUBMERSIBLE	** DRY PIT (1-3 BHP, INTERMITTENT DUTY)	☐
	☐ **** INVERTER DUTY SUBMERSIBLE (1-5 BHP, 230/460 VOLT, 3 PHASE ONLY)	** HIGH TEMP (1-3 BHP ONLY)	☐ (175 °F Max.)

SHAFT SEAL CONSTRUCTION:	STANDARD	UPPER - CARBON CERAMIC LOWER - SILICON CARBIDE/SILICON CARBIDE
	OPTIONAL UPPER	☐ SILICON CARBIDE/SILICON CARBIDE ☐ SILICON CARBIDE/SILICON CARBIDE VITON
	OPTIONAL LOWER	☐ SILICON CARBIDE/SILICON CARBIDE VITON
O-RING ELASTOMERS	STANDARD	BUNA-N
	OPTIONAL	☐ 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	☐ 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)	

* Models with a FLA greater than 20 amps use #8-4 gauge power cord. ** 1-3 BHP Only. Contact factory. These configurations are not CSA listed.

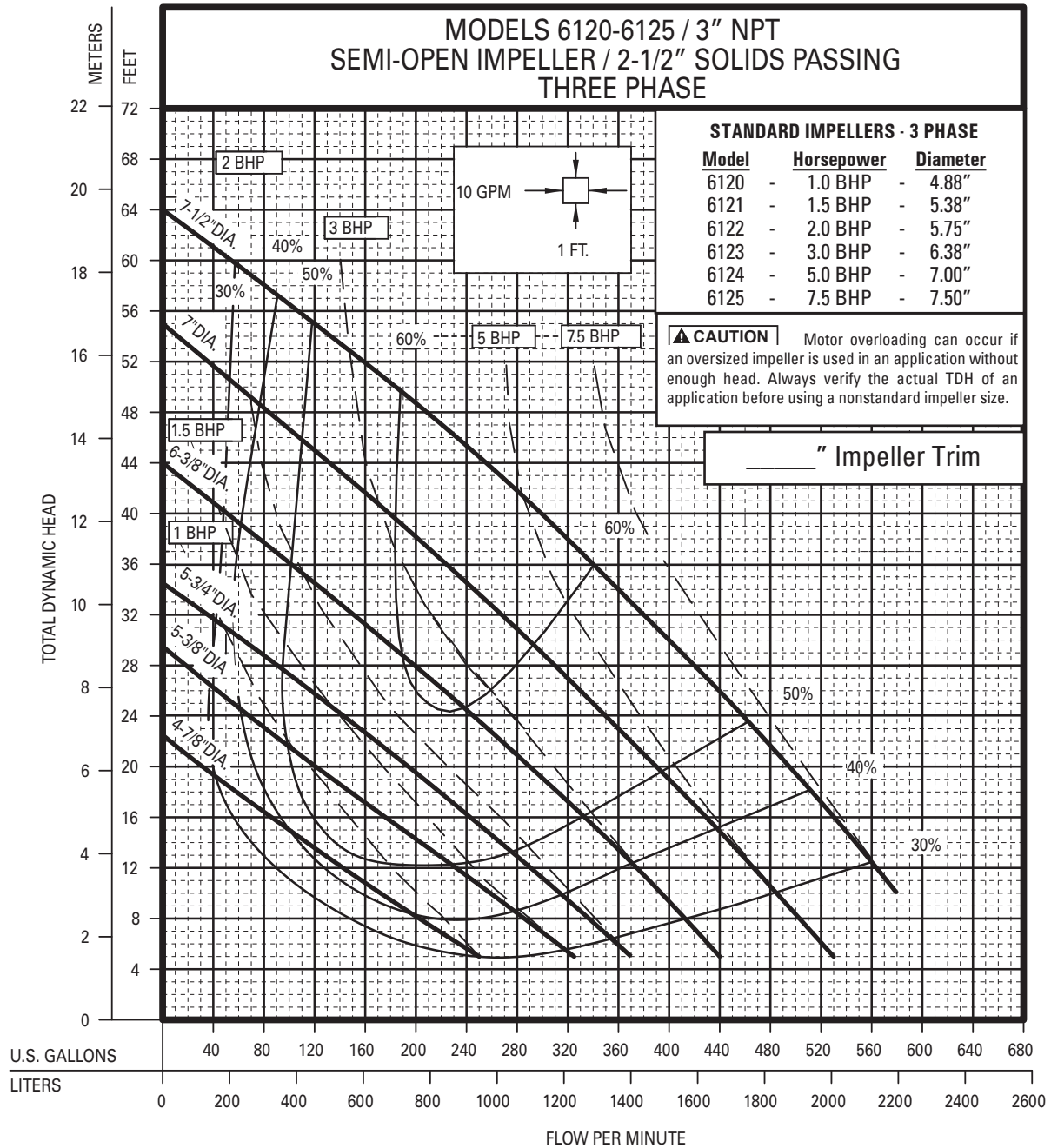
*** Requires a circuit in control panel to function.

**** 30-60Hz Max, NEMA MG-1, Part 30, cCSAus certified with type VPWM inverter, 230/460 Volt, 3 Ph models only

MODEL	BHP	SERVICE FACTOR	☐ 230V / 1 PHASE		☐ 200V / 3 PHASE		☐ 230V / 3 PHASE		☐ 460V / 3 PHASE		☐ 575V / 3 PHASE	
			FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA
6120	1	1.2	6.9	48.0	4.8	32.0	4.2	28.0	2.1	14.0	--	--
6121	1.5	1.2	8.9	48.0	5.9	32.0	5.1	28.0	2.6	14.0	--	--
6122	2	1.2	14.5	86.0	7.8	46.0	6.8	41.0	3.4	20.5	2.7	16.2
6123	3	1.2	17.0	86.0	11.0	46.0	9.6	41.0	4.8	20.5	3.9	16.2
6124	5	1.2	28.0	139.0	17.5	64.0	15.2	58.0	7.6	29.0	6.1	23.0
6125	7.5	1.0	--	--	25.3	83.0	22.0	72.0	11.0	36.0	9.0	29.0



Semi-Open Impeller
PERFORMANCE DATA
3 PHASE
3" Vertical Discharge
2-1/2" Solids Passing Capacity



A00499



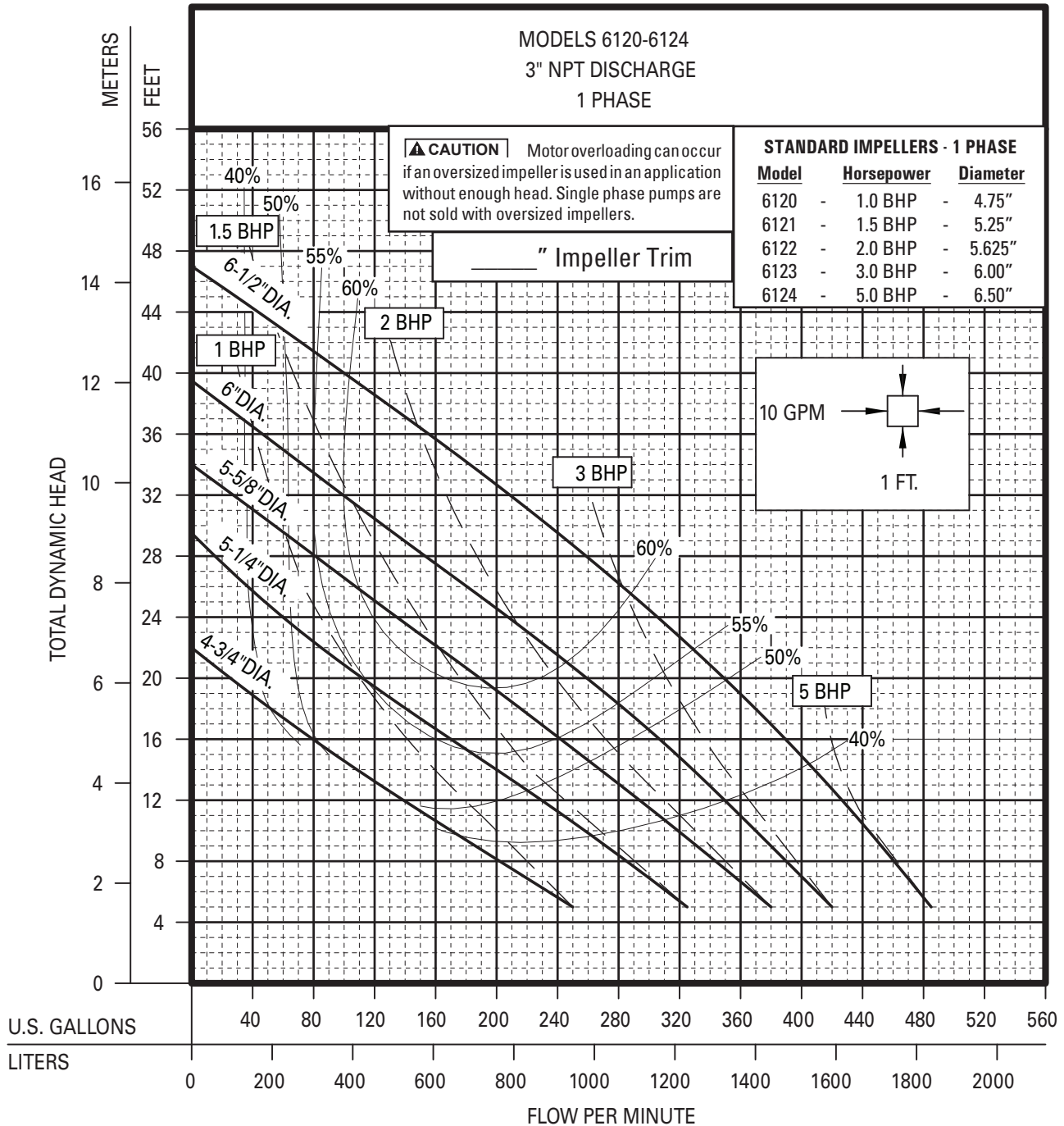
Semi-Open Impeller

PERFORMANCE DATA

1 PHASE

3" Vertical Discharge

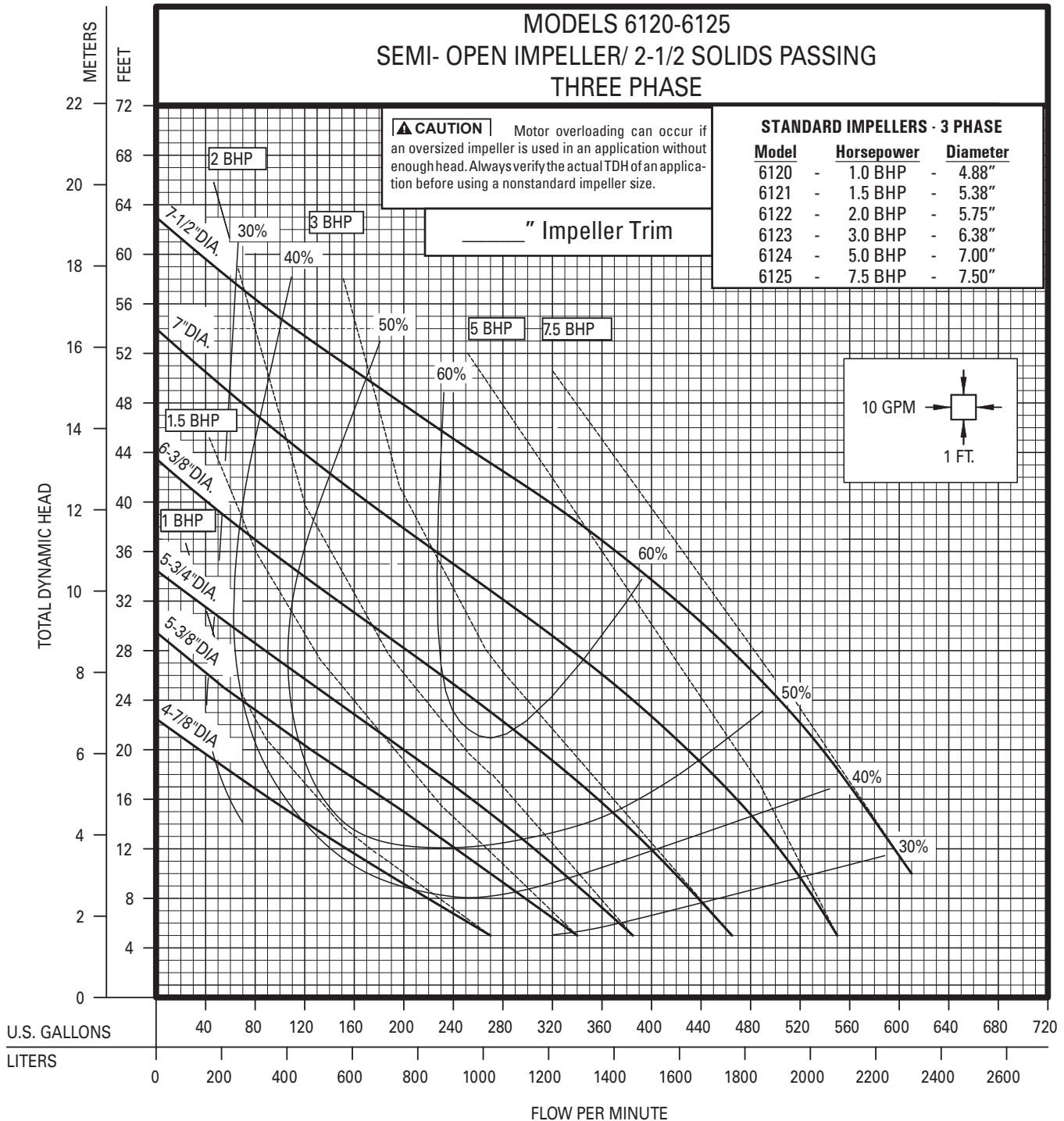
2-1/2" Solids Passing Capacity



A00672

Semi-Open Impeller PERFORMANCE DATA 3 PHASE

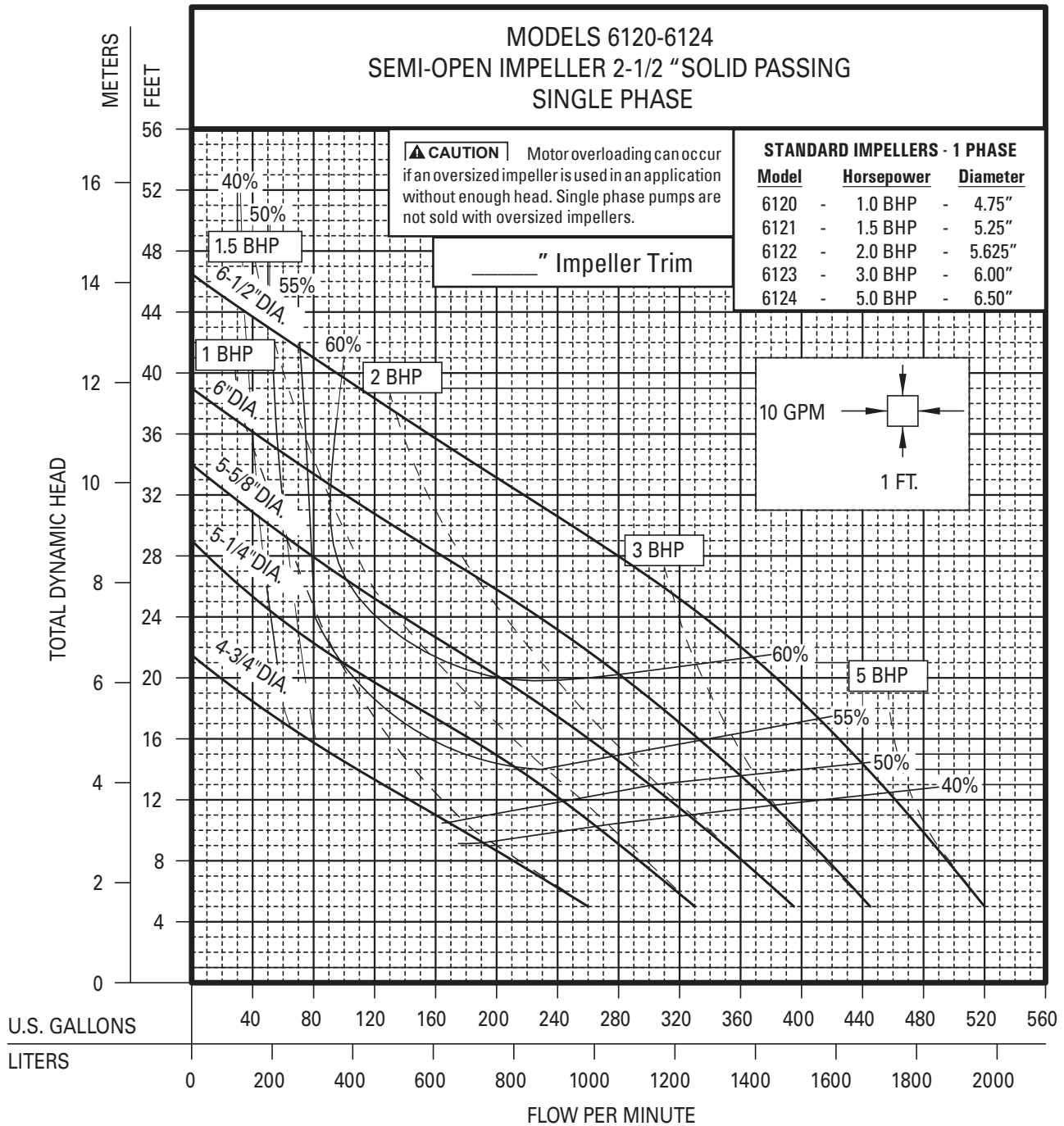
3" & 4" HORIZONTAL FLANGED DISCHARGE 2-1/2" Solids Passing Capacity



A00500

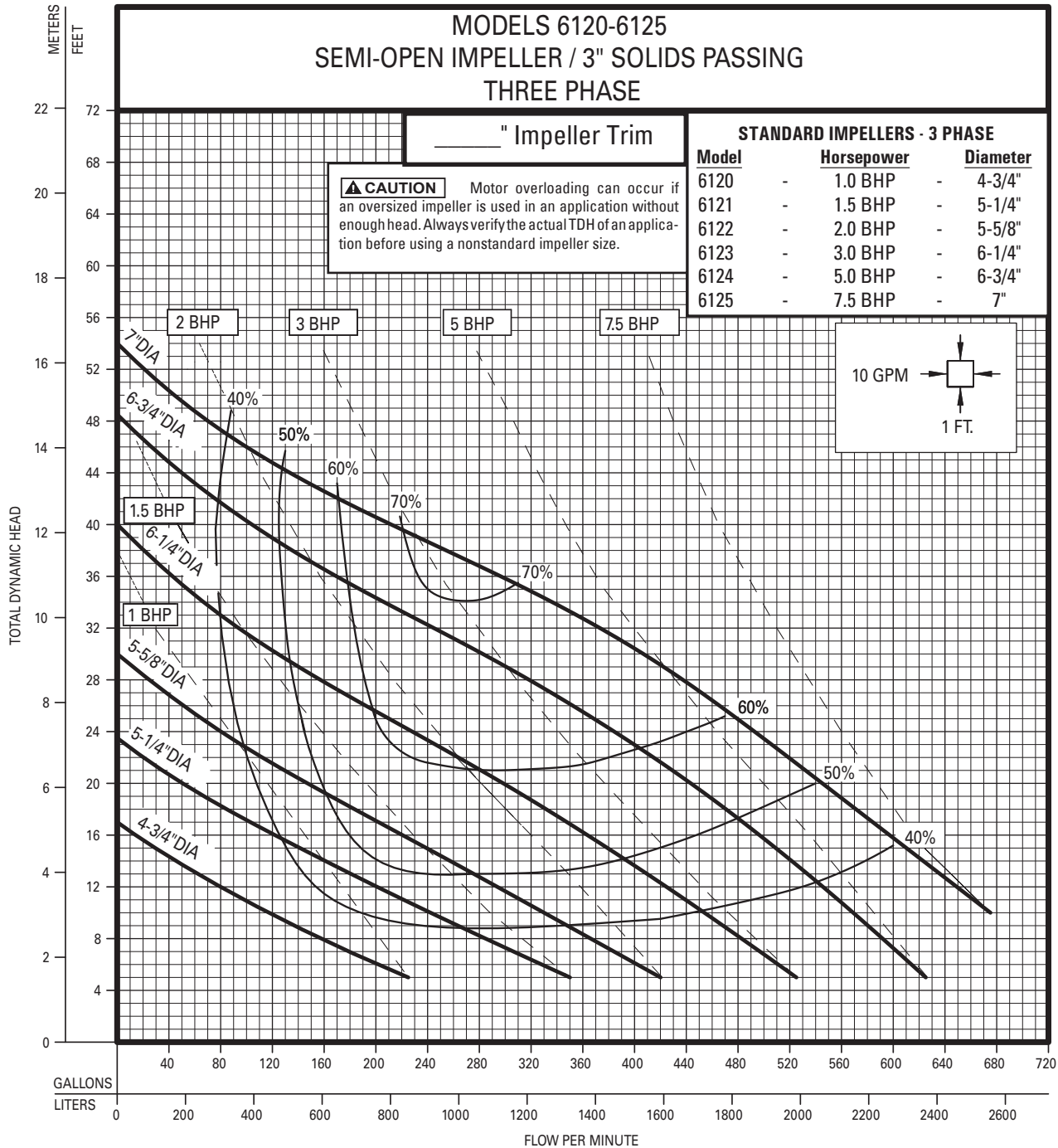
Semi-Open Impeller PERFORMANCE DATA 1 PHASE

3" & 4" HORIZONTAL FLANGED DISCHARGE 2-1/2" Solids Passing Capacity



Semi-Open Impeller PERFORMANCE DATA 3 PHASE

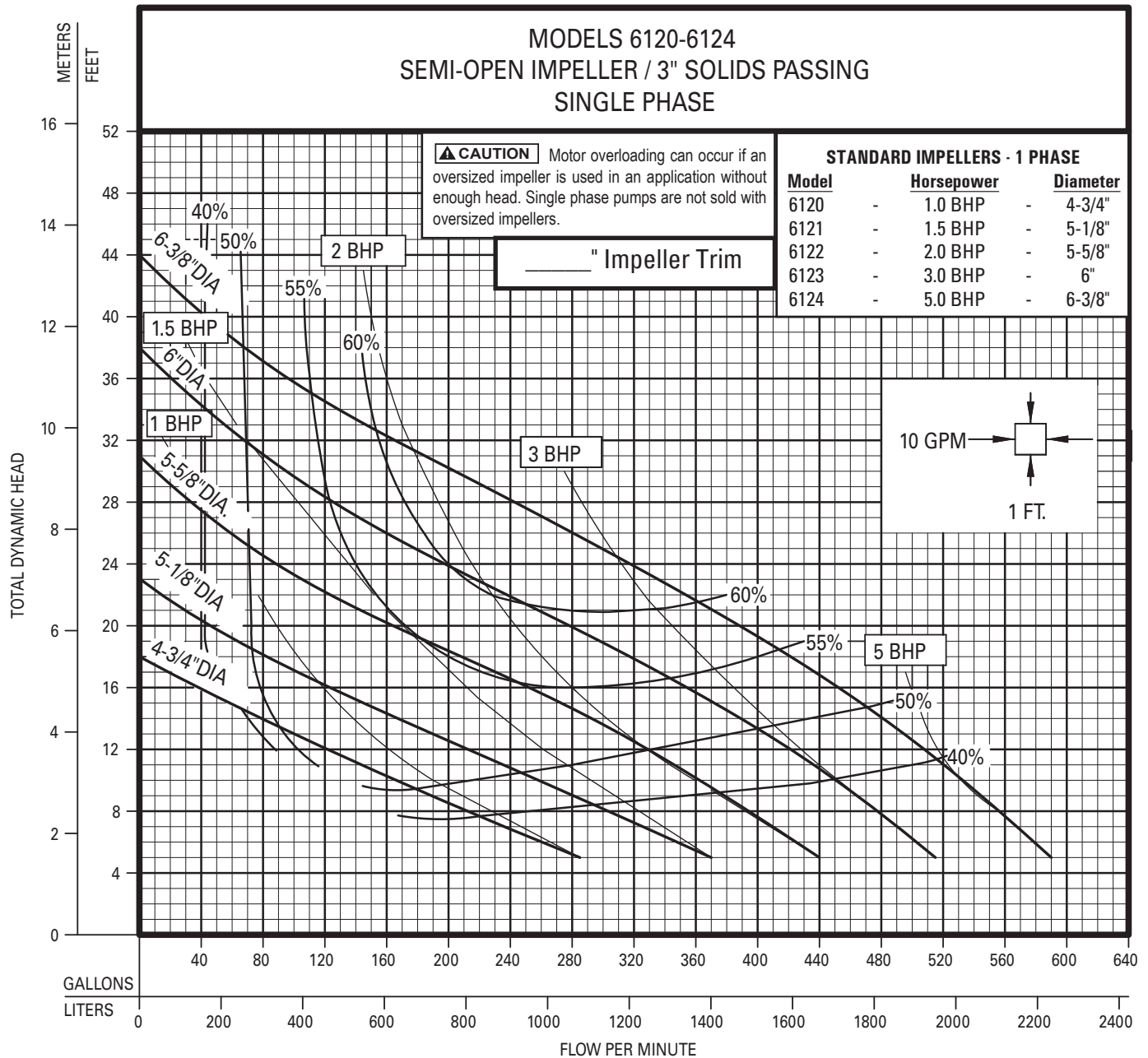
4" HORIZONTAL FLANGED DISCHARGE 3" Solids Passing Capacity



A00520

Semi-Open Impeller PERFORMANCE DATA 1 PHASE

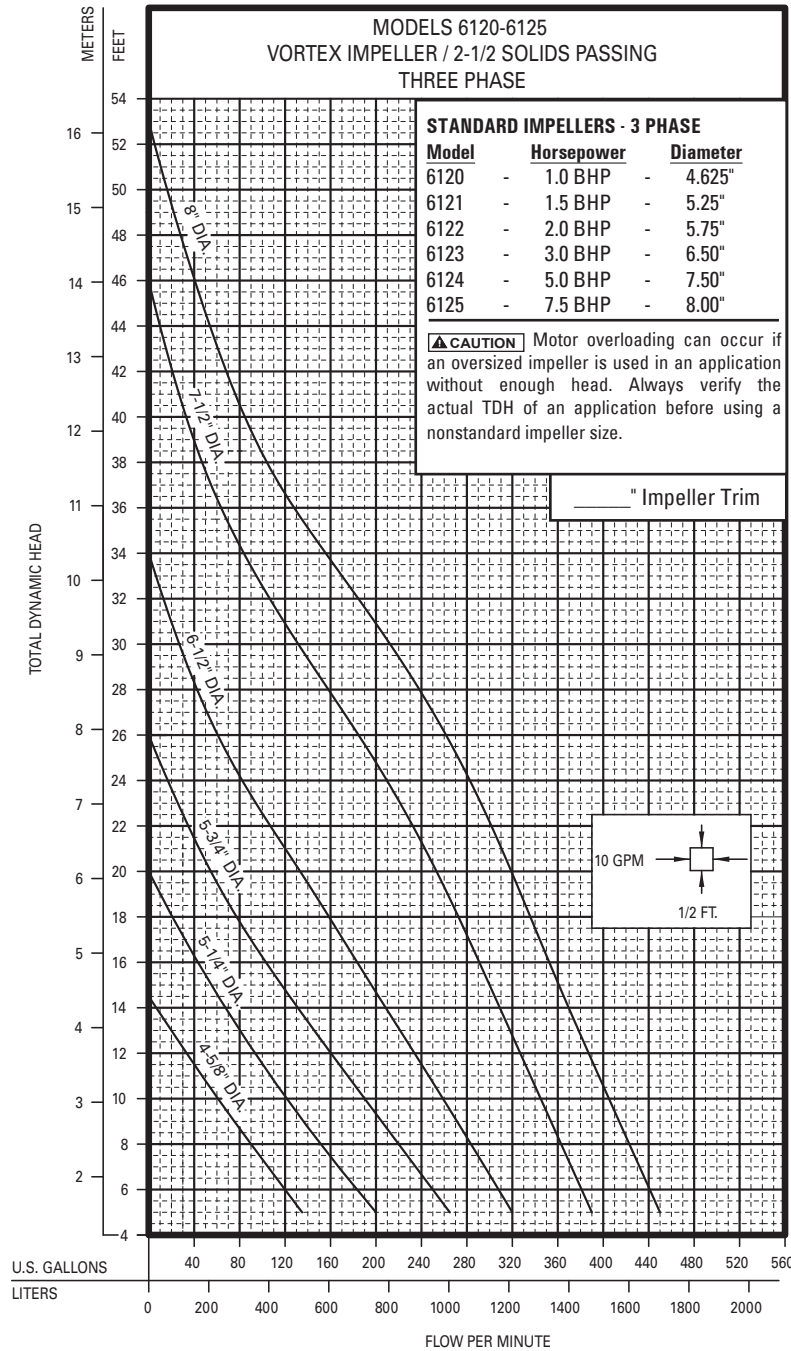
4" HORIZONTAL FLANGED DISCHARGE
3" Solids Passing Capacity



A00670

Vortex Impeller PERFORMANCE DATA 3 PHASE

3" VERTICAL, 3" & 4" HORIZONTAL FLANGED DISCHARGE
2-1/2" Solids Passing Capacity



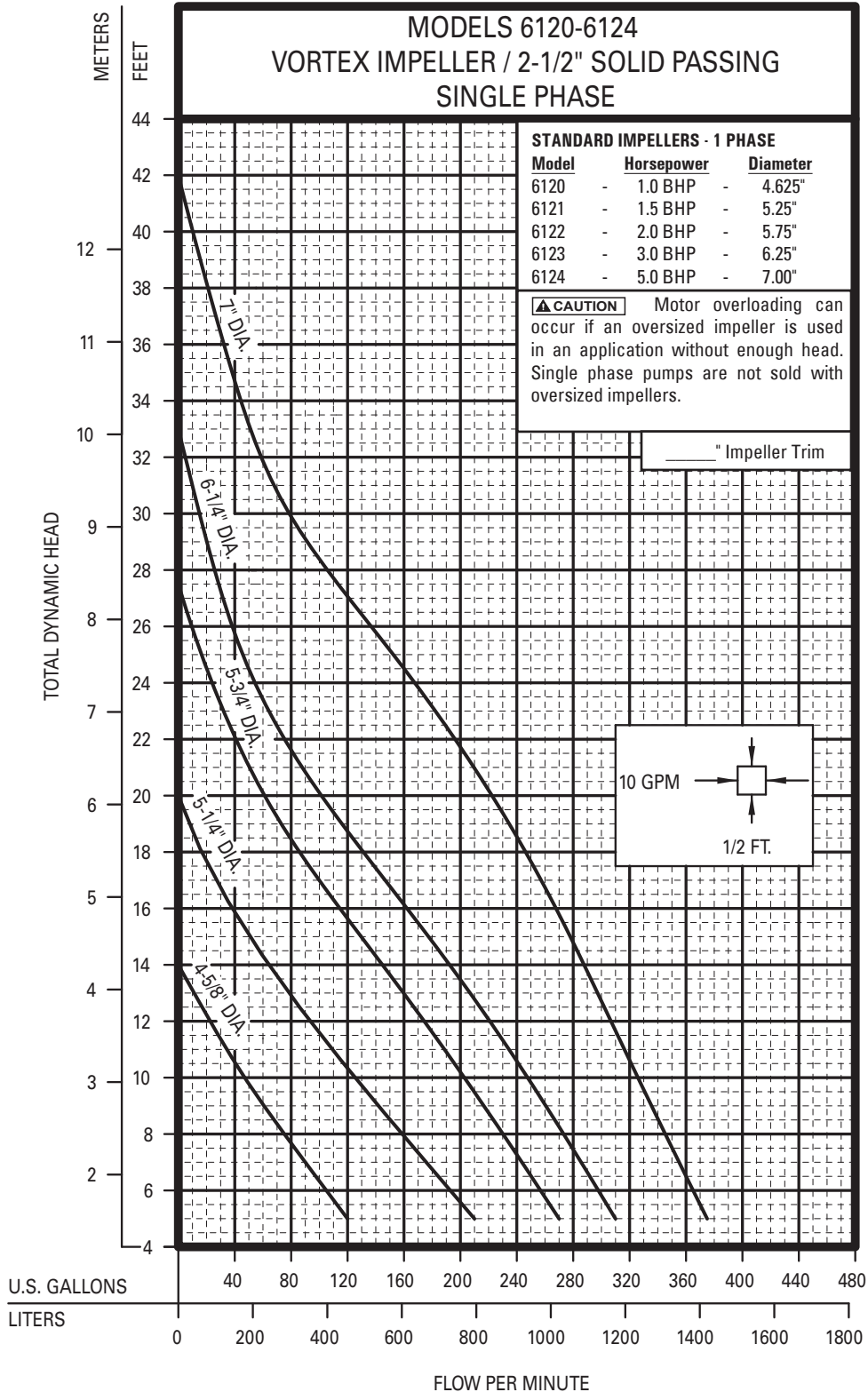
A00667

Vortex Impeller

PERFORMANCE DATA

1 PHASE

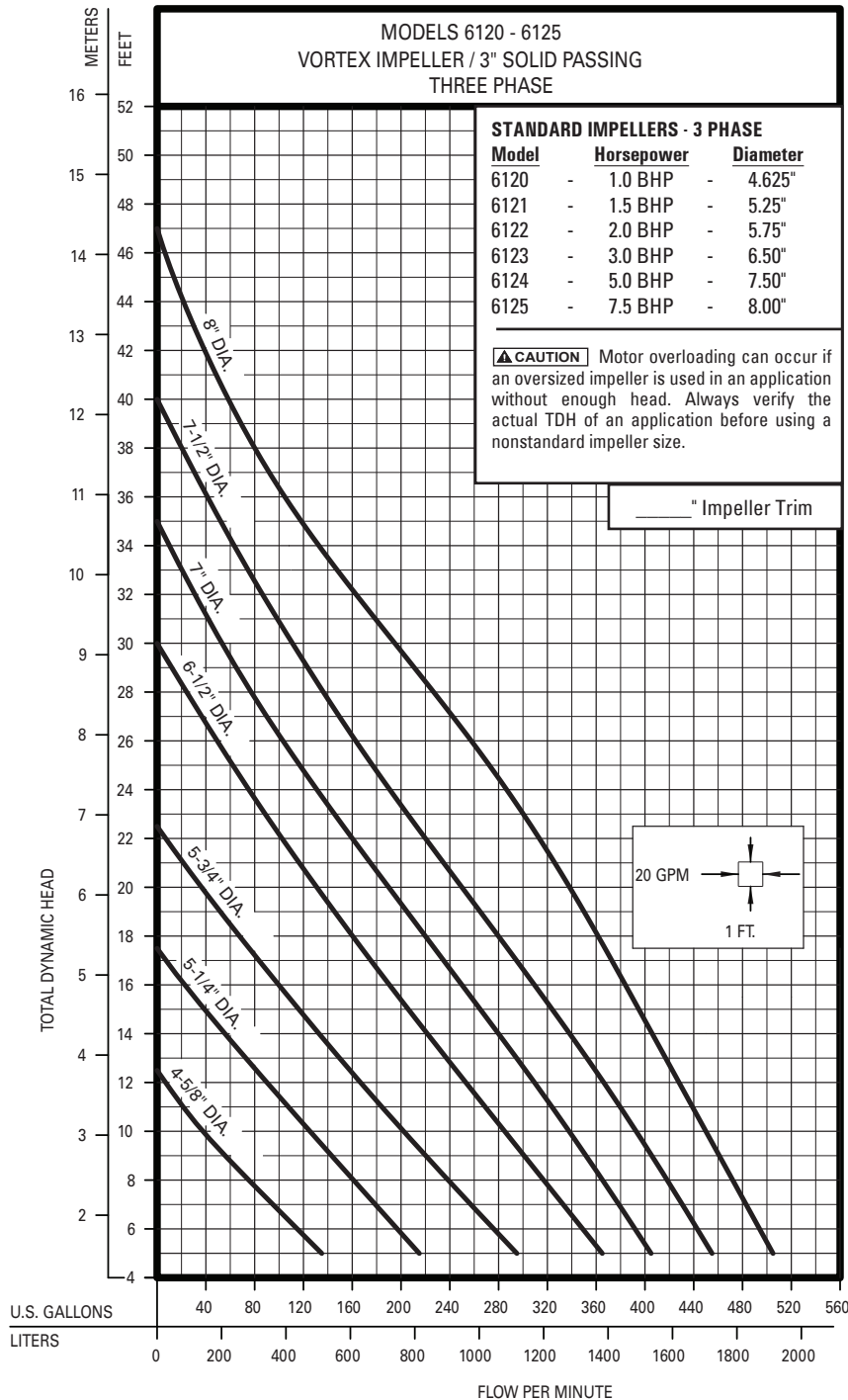
3" VERTICAL, 3" & 4" HORIZONTAL FLANGED DISCHARGE
2-1/2" Solids Passing Capacity



A00665

Vortex Impeller PERFORMANCE DATA 3 PHASE

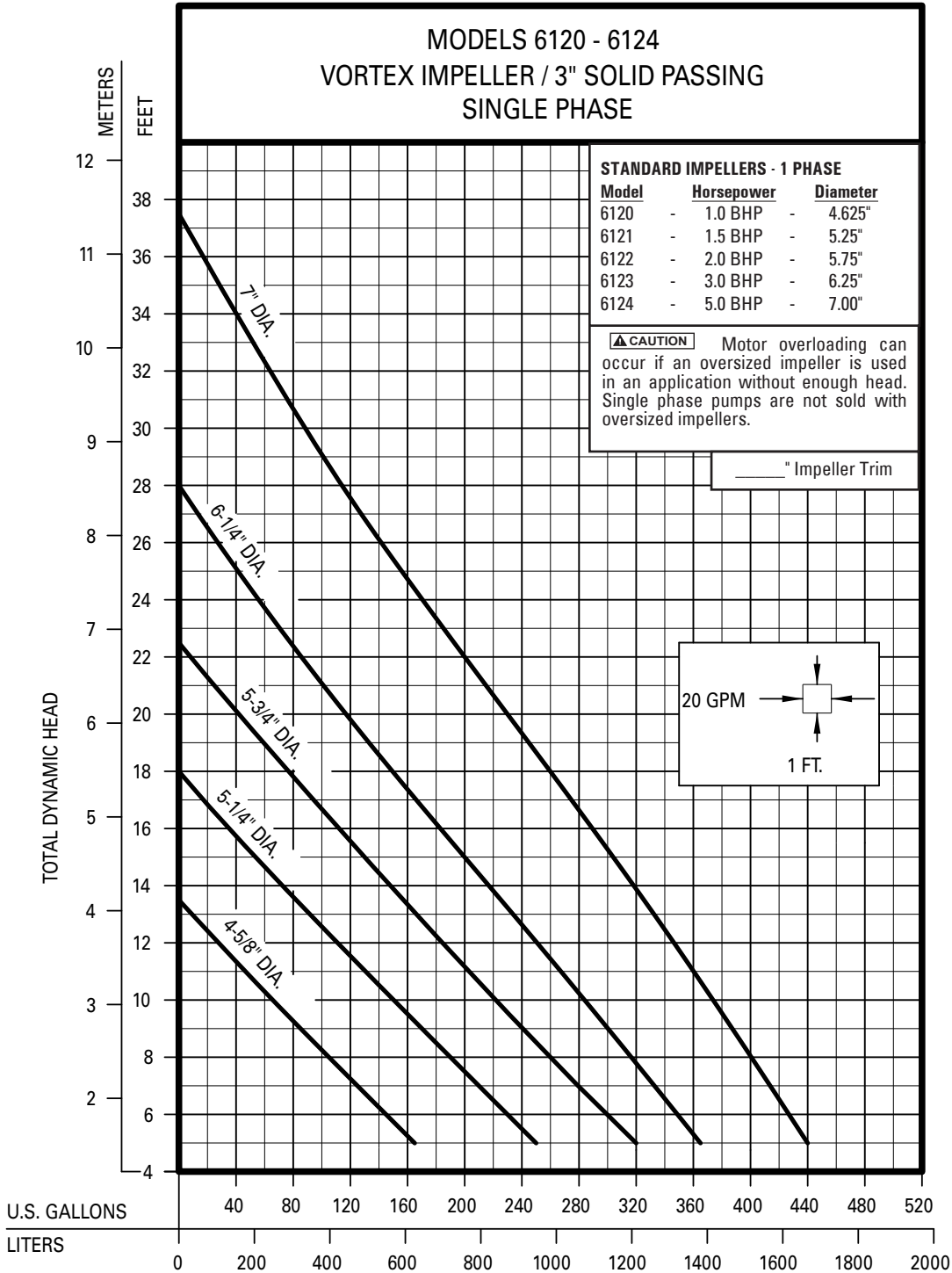
4" HORIZONTAL FLANGED DISCHARGE 3" Solids Passing Capacity



A00668

Vortex Impeller PERFORMANCE DATA 1 PHASE

4" HORIZONTAL FLANGED DISCHARGE 3" Solids Passing Capacity



A00666

