

END-SUCTION CENTRIFUGAL PUMPS

Series: IA

2 - 125 HP / 1750 & 3500 RPM

Suction: 1½" - 8" NPT or flange

Discharge: 1" - 6" NPT or flange



Representative images

APPLICATIONS

- ▶ Booster systems
- ▶ Water transfer
- ▶ Chilled water system
- ▶ High flow-rate / medium pressure

VOLUTE

Cast iron ASTM A-48 class 30

LIQUID TEMPERATURE

160°F (71°C) max.

INTERMEDIATE COUPLING

Cast iron ASTM A-48 class 30

IMPELLER

- ▶ Cast iron ASTM A-48 class 30
- ▶ Dynamically balanced

SEAL

Design: mechanical, type 01.

Material: Ceramic stationary part, carbon ring seal and exclusion in the rotating part. Buna-N elastomer and stainless steel spring.

SHAFT SLEEVE

Stainless steel

O-RINGS

Buna-N

MOTOR

High quality premium efficiency TEFC electric motors, designed & developed in accordance with industry standards for industrial and commercial pumping applications.

- ▶ 1 & 3 phases, 60 Hz
- ▶ Rated output: 2 to 125 HP
- ▶ 1750 & 3500 RPM
- ▶ Frame sizes: 182 JM to 405 JM

HARDWARE

Carbon steel

PAINT

Air dry enamel, water based.

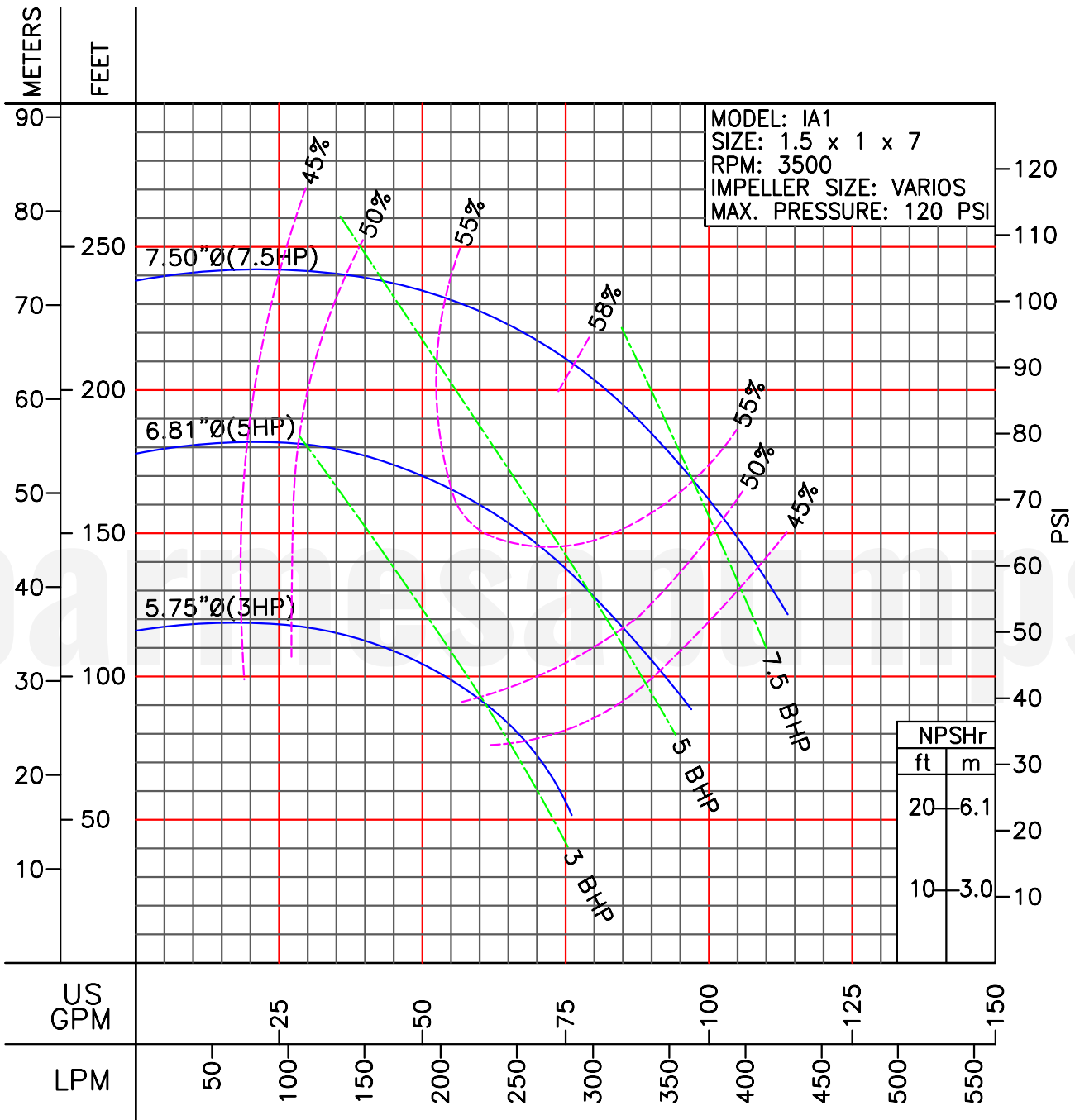
End Suction Centrifugal Close Coupled Pumps

Model	Size	HP	Phase
IA1	1½" x 1" x 7"	2 to 7.5	1 & 3
IA1½	2" x 1½" x 9"	5 to 20	1 & 3
IA1½H	2" x 1½" x 9"	3 to 30	3
IA1½XH	2" x 1½" x 9"	3 to 30	3
IA2	2½" x 2" x 9"	2 to 30	3
IA2H	2½" x 2" x 9"	25 & 30	3
IA2EH	3" x 2" x 9"	5 to 50	3
IA2EXH	3" x 2" x 10"	7.5 to 60	3
IA2HH	3" x 2" x 10"	30 & 40	3
IA2½	3" x 2½" x 9"	3 to 40	3
IA2½H	4" x 2½" x 9"	40 to 100	3
IA2½BJM	4" x 2½" x 13"	15 to 30	3
IA3	4" x 3" x 9"	3 to 50	3
IA3H	4" x 3" x 9"	30 to 75	3
IA3BJM	4" x 3" x 13½"	15 to 40	3
IA4	6" x 4" x 10"	5 to 125	3
IA4BJH	6" x 4" x 13"	20 to 75	3
IA6BJM	8" x 6" x 13"	30 to 75	3

For dimensions and weights please contact factory.

IMPORTANT!

1. Never use this pump to handle explosive liquids.
2. This pump is not approved to be used in swimming pools, recreational installations or any application where human contact may be common.



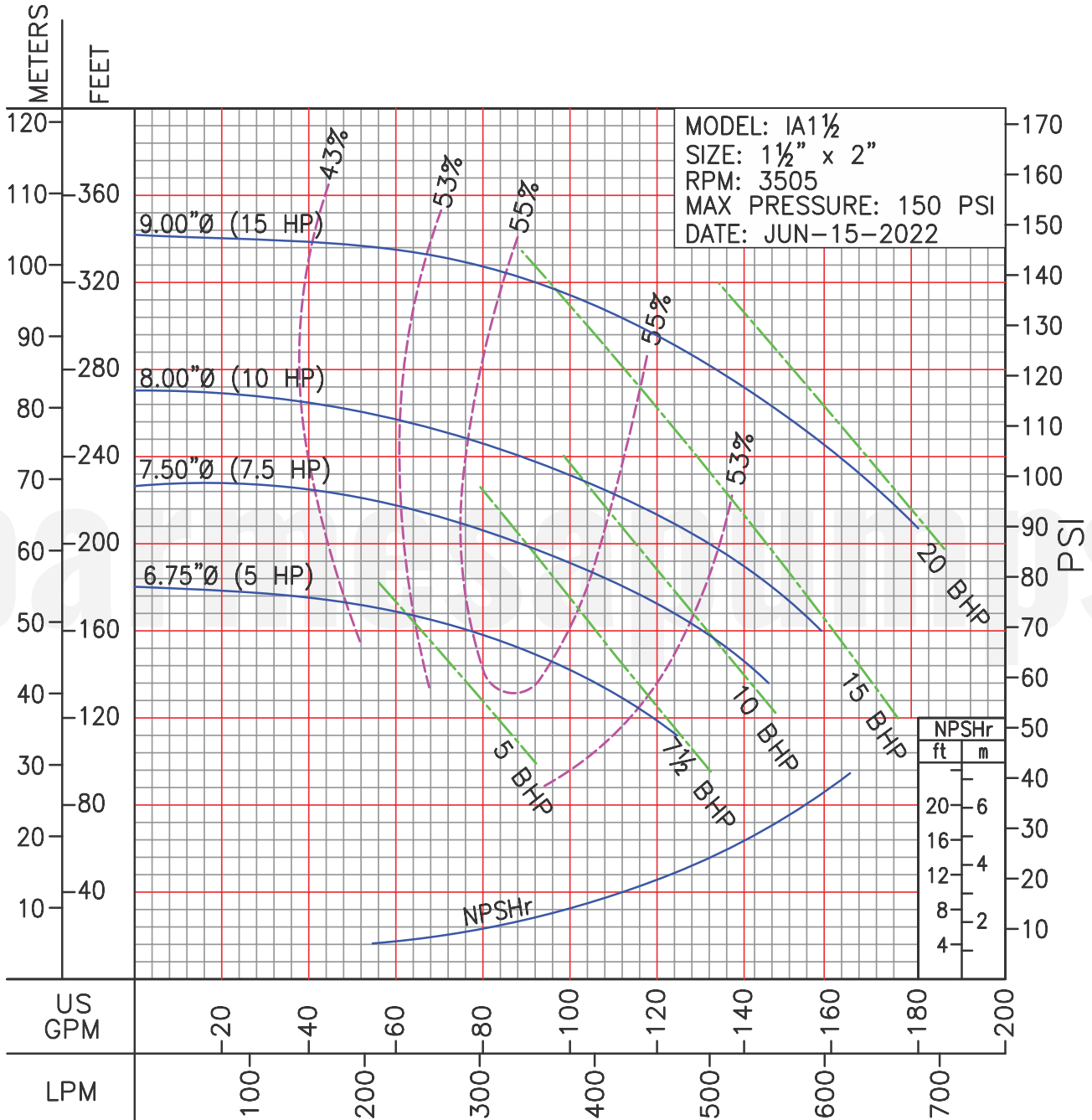
LIQUID: WATER
SPECIFIC GRAVITY : 1.00

TEMPERATURE: 70 °F (21 °C)
MAXIMUM DIAM. SOLIDS: 0.21"

MODEL: IA1½

RPM: 3505

PERFORMANCE CURVES

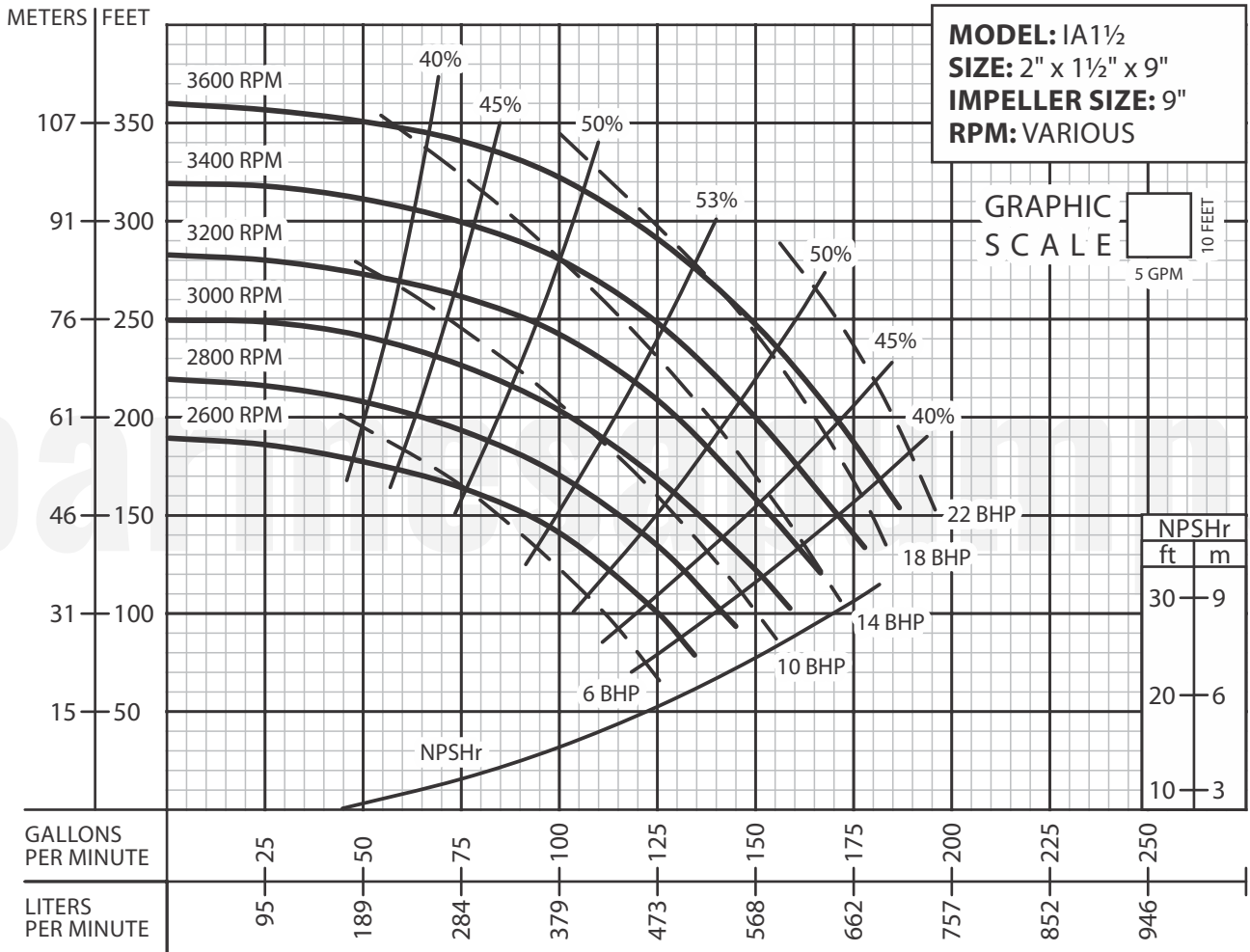


IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68°F (20°C); other fluids may vary performance.

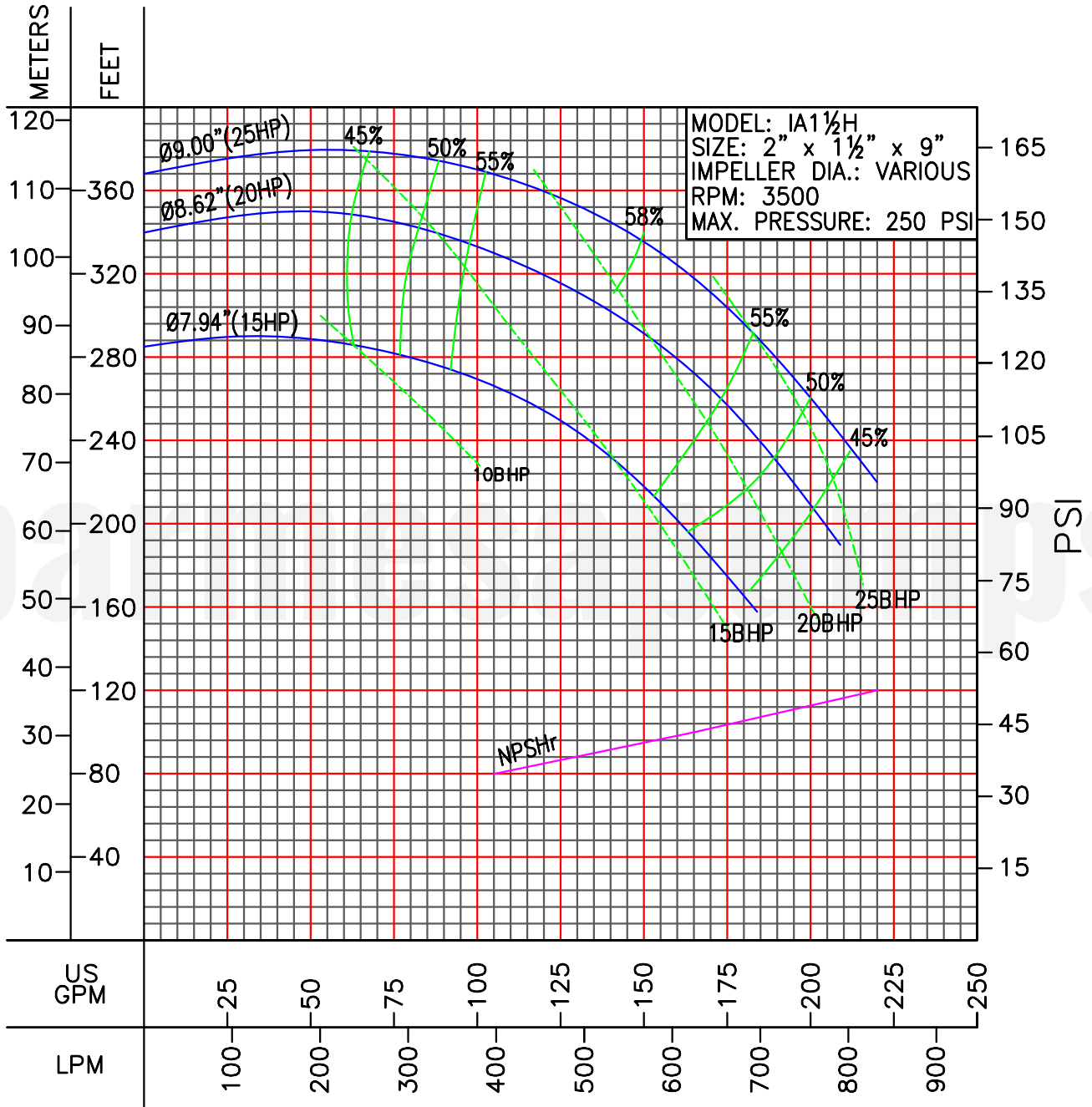
MODEL: IA1½
RPM: VARIOUS

PERFORMANCE CURVES



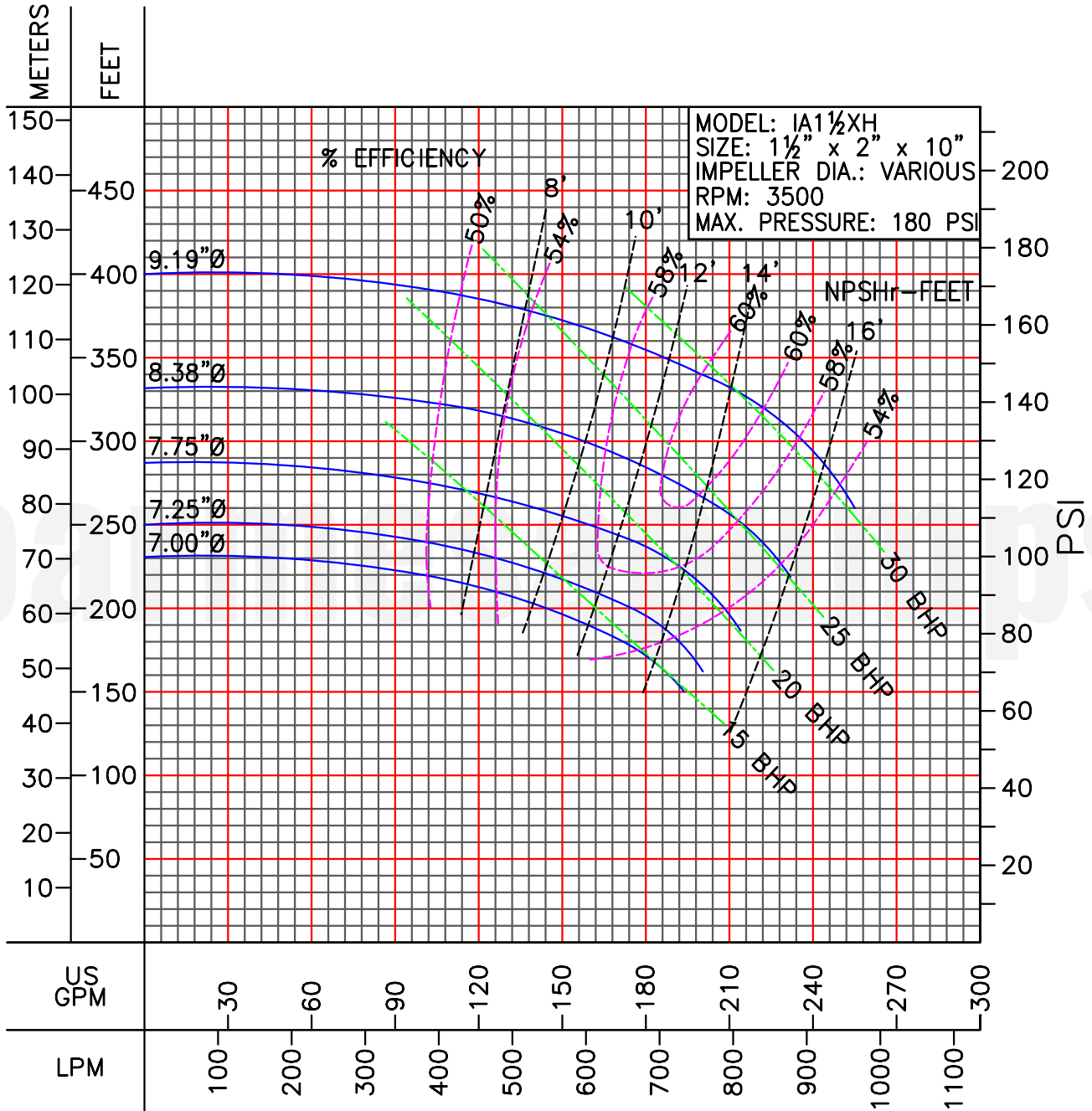
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



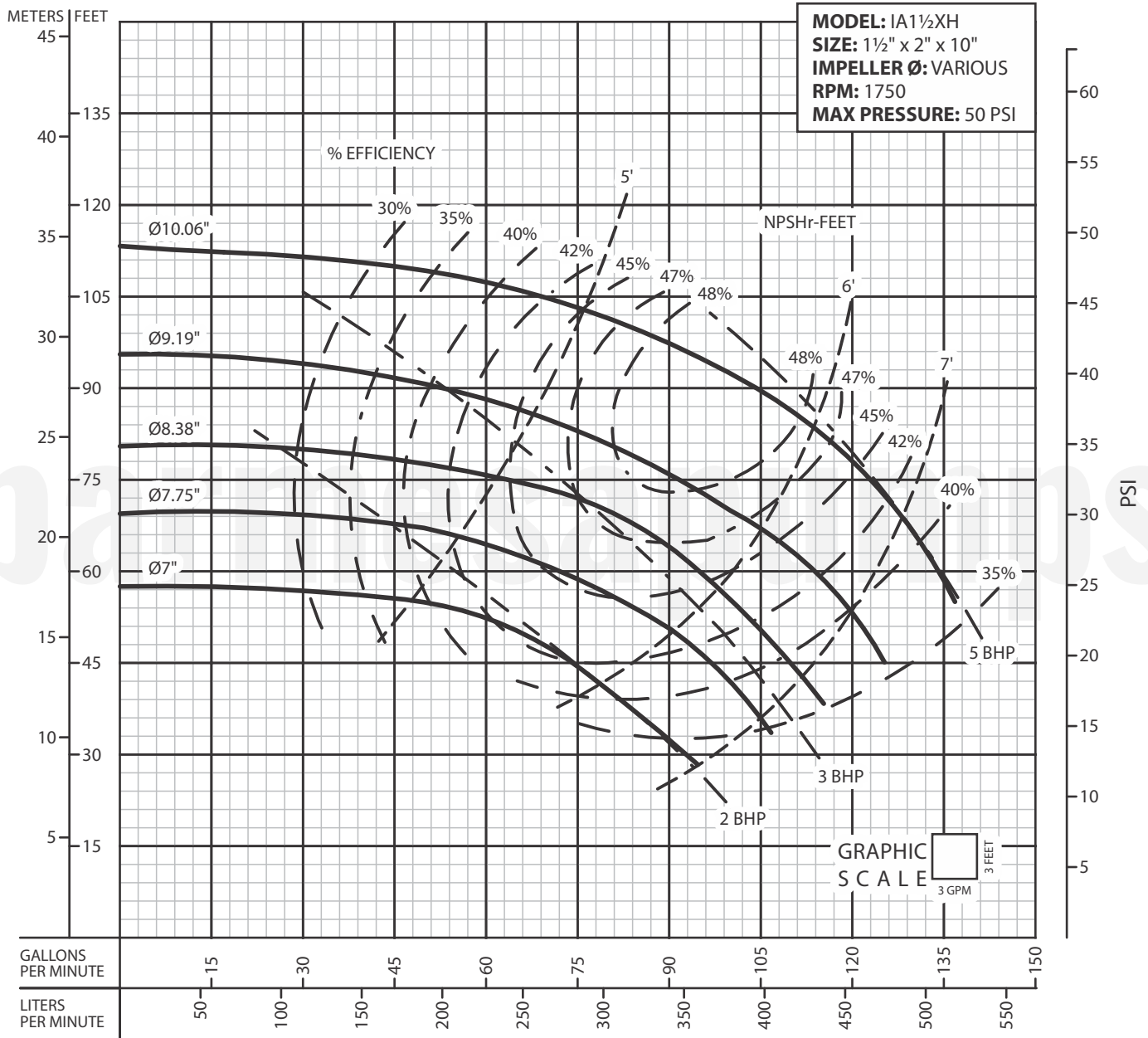
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.

MODEL: IA1½XH

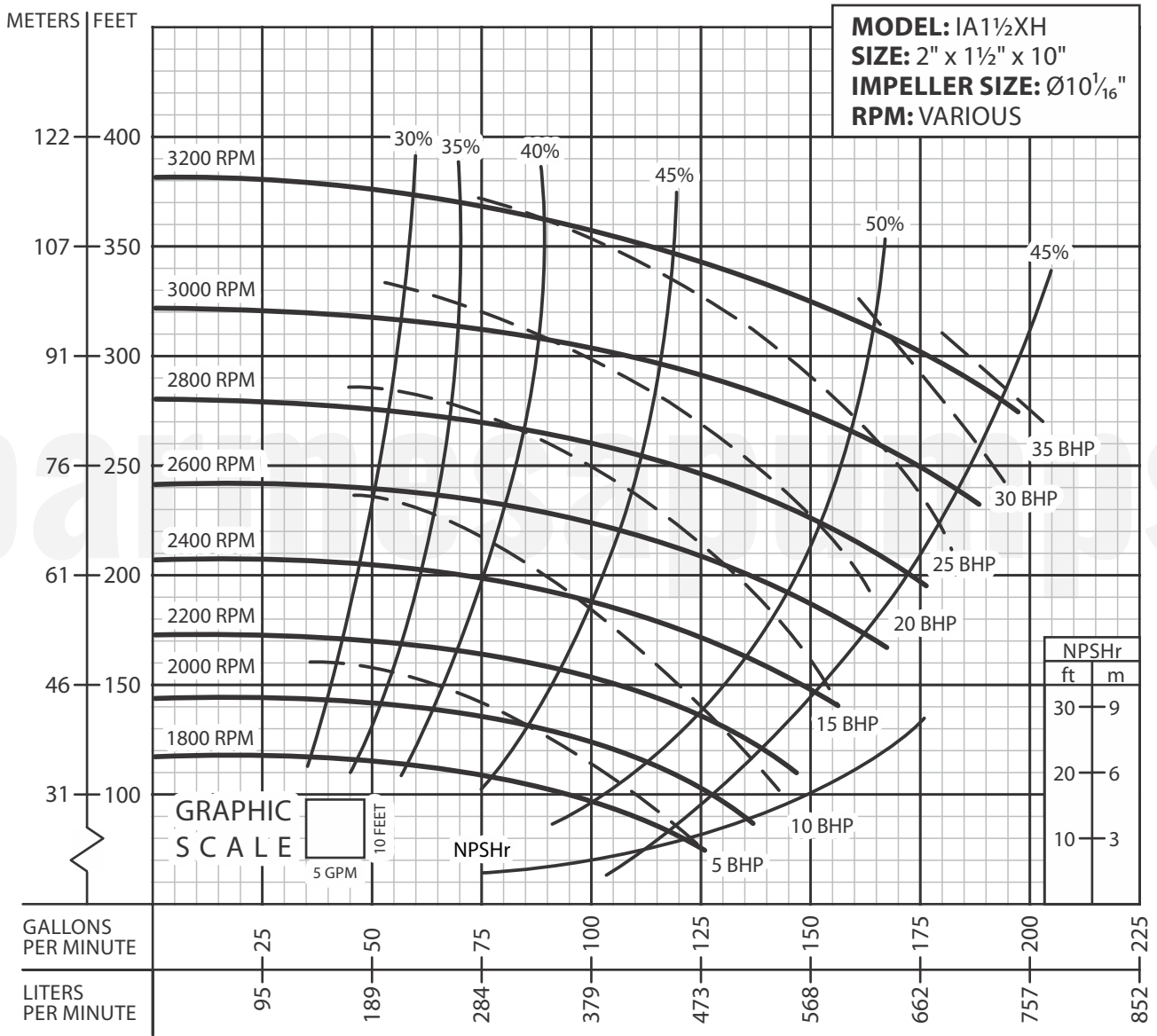
RPM: 1750

PERFORMANCE CURVES



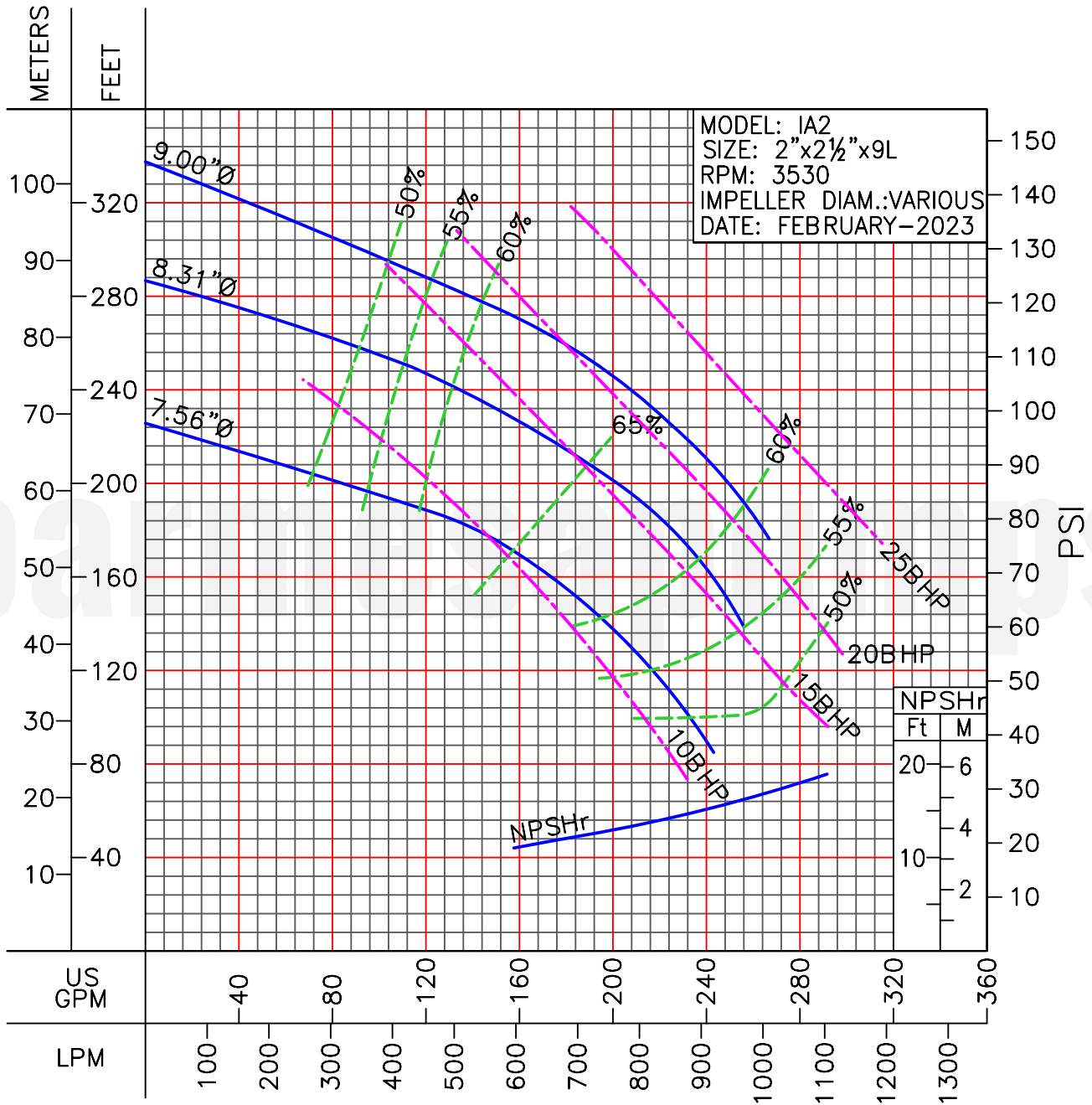
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



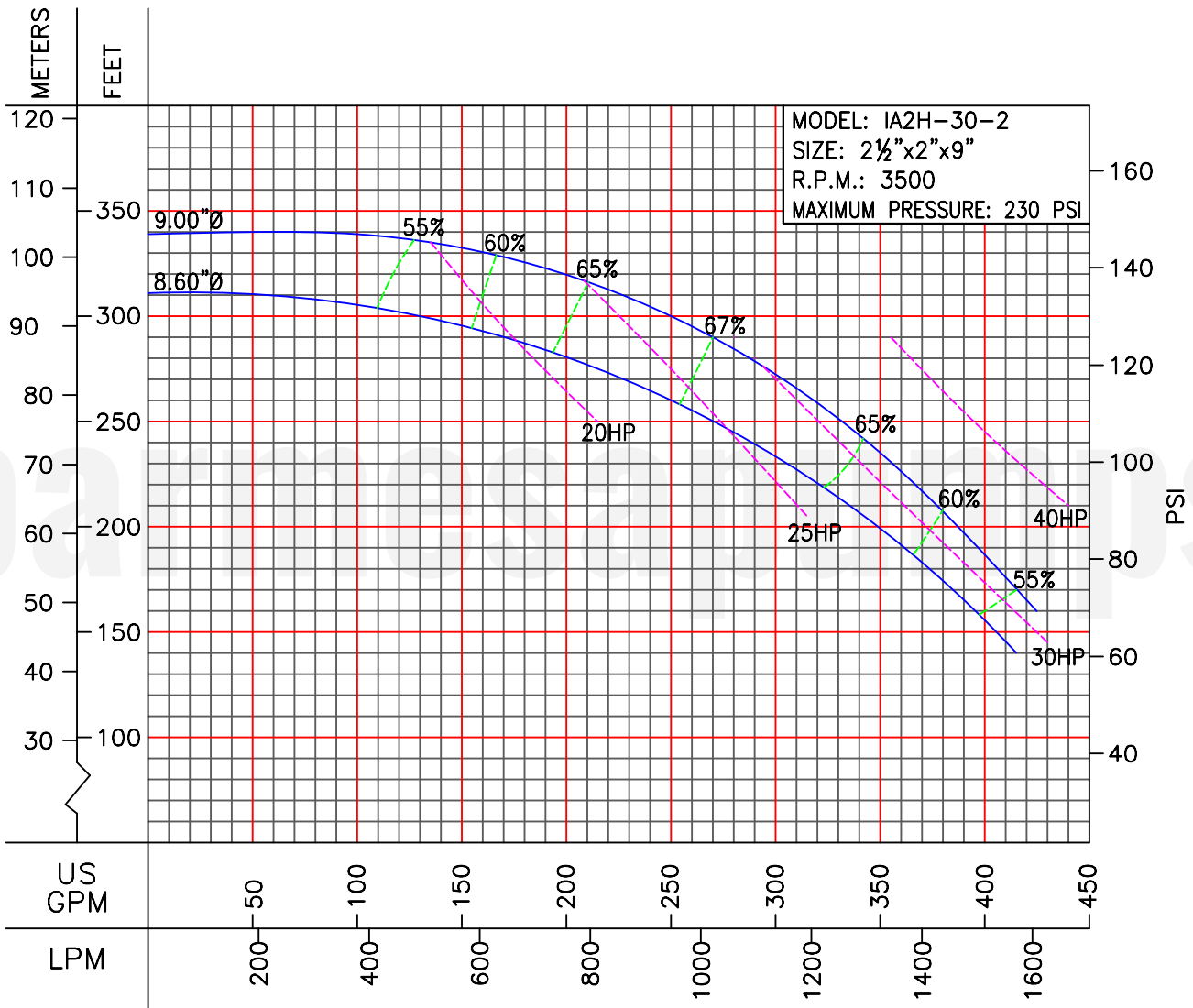
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



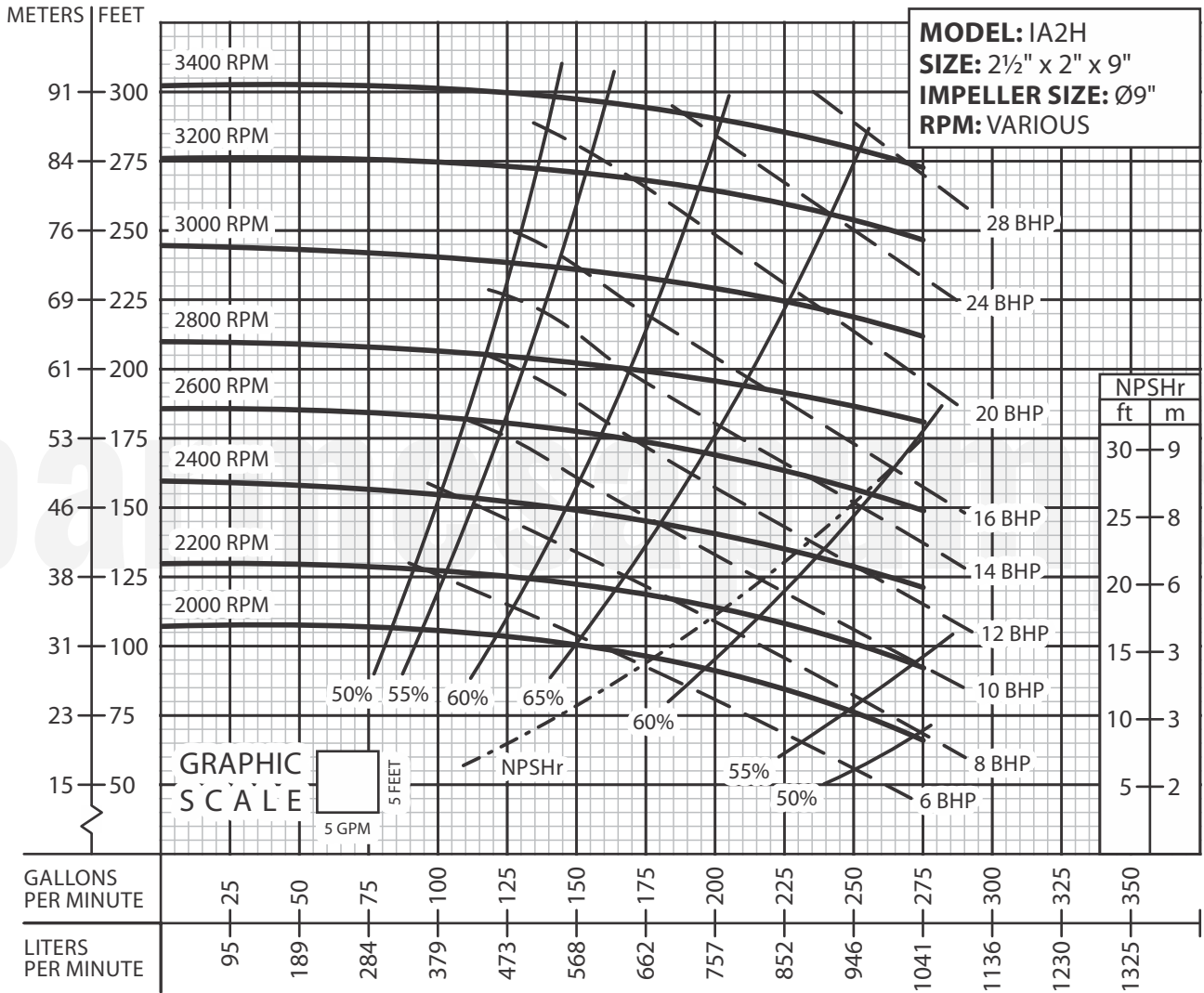
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68°F (20°C); other fluids may vary performance.



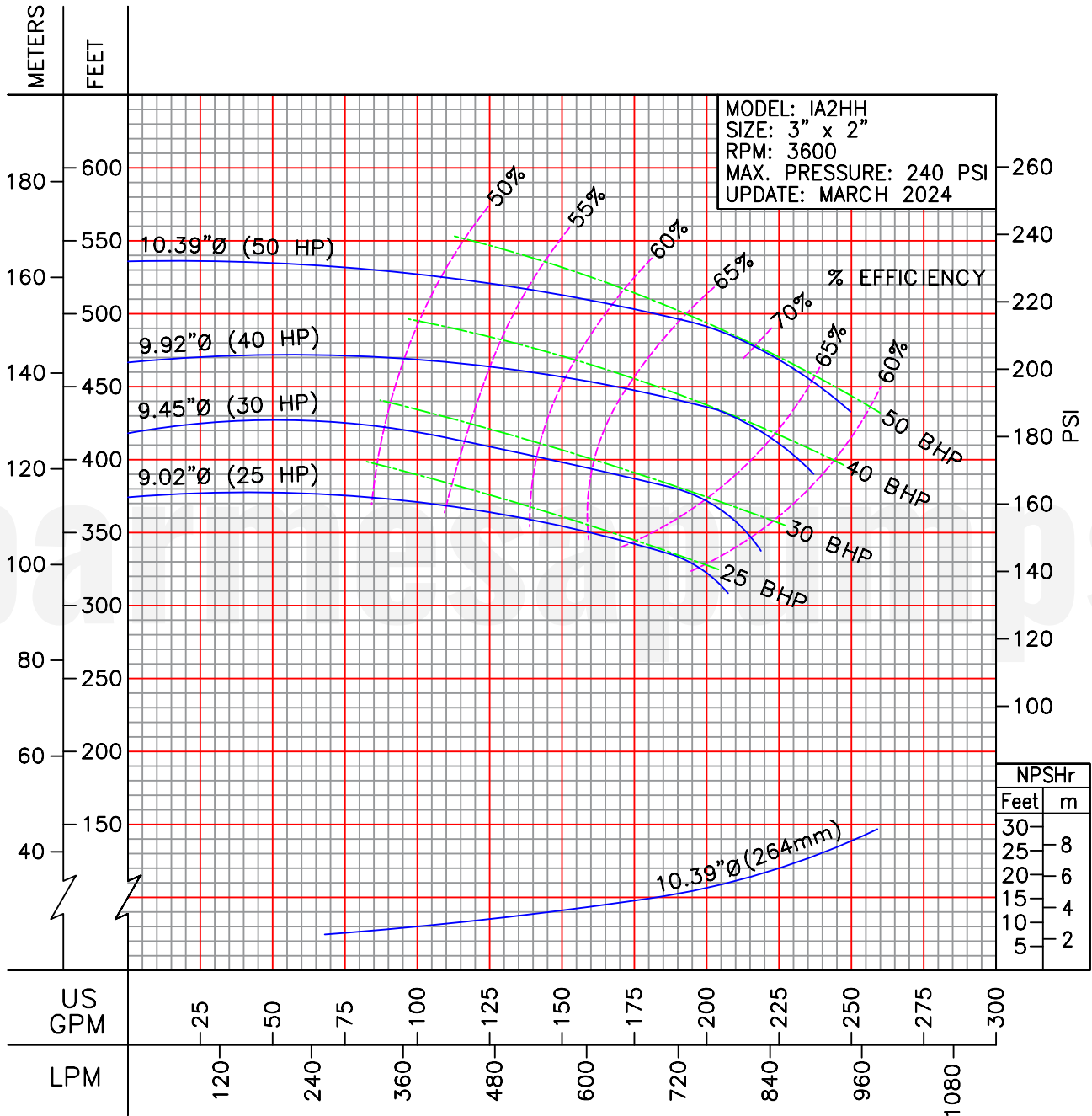
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



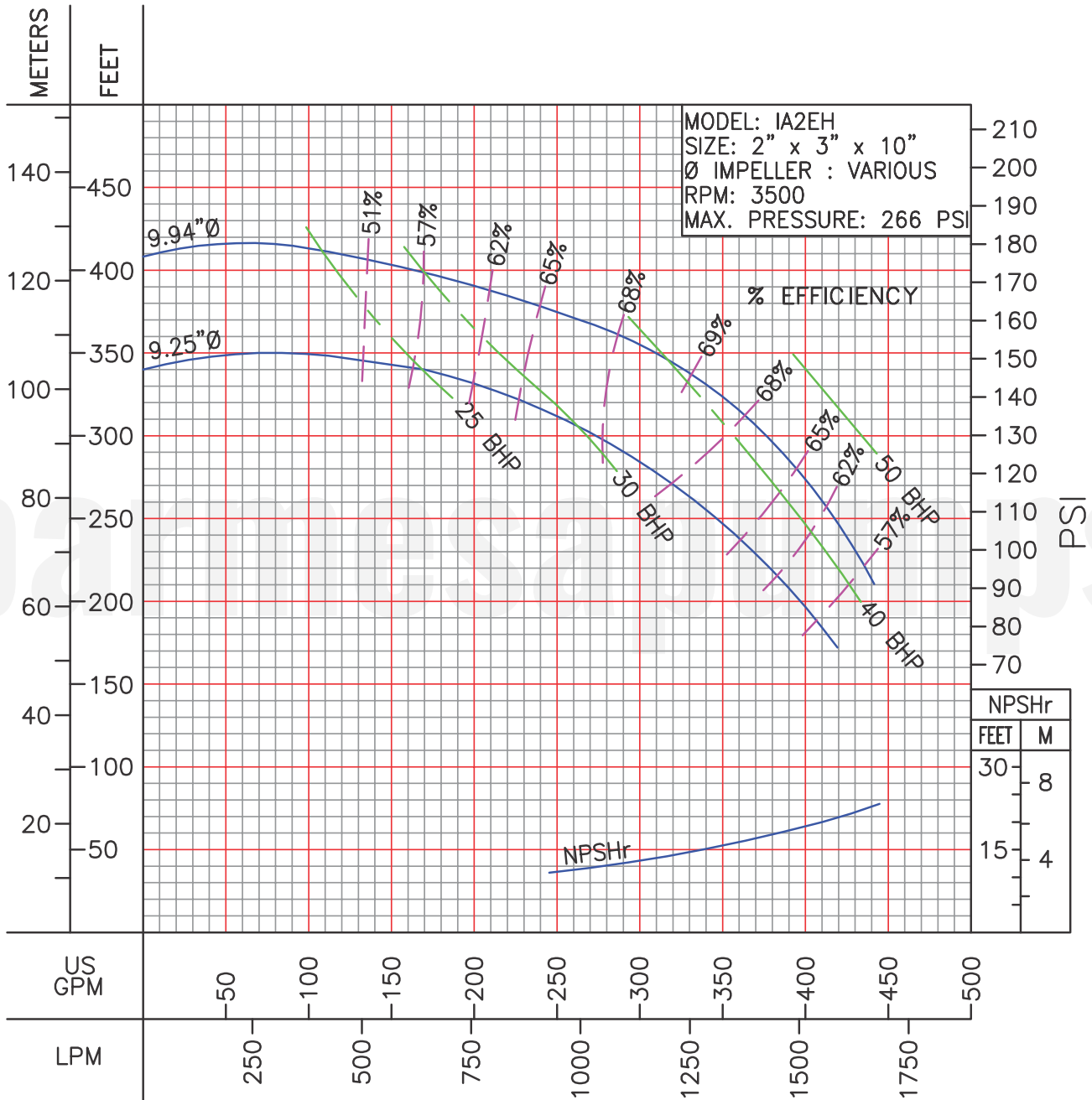
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68°F (20°C); other fluids may vary performance.



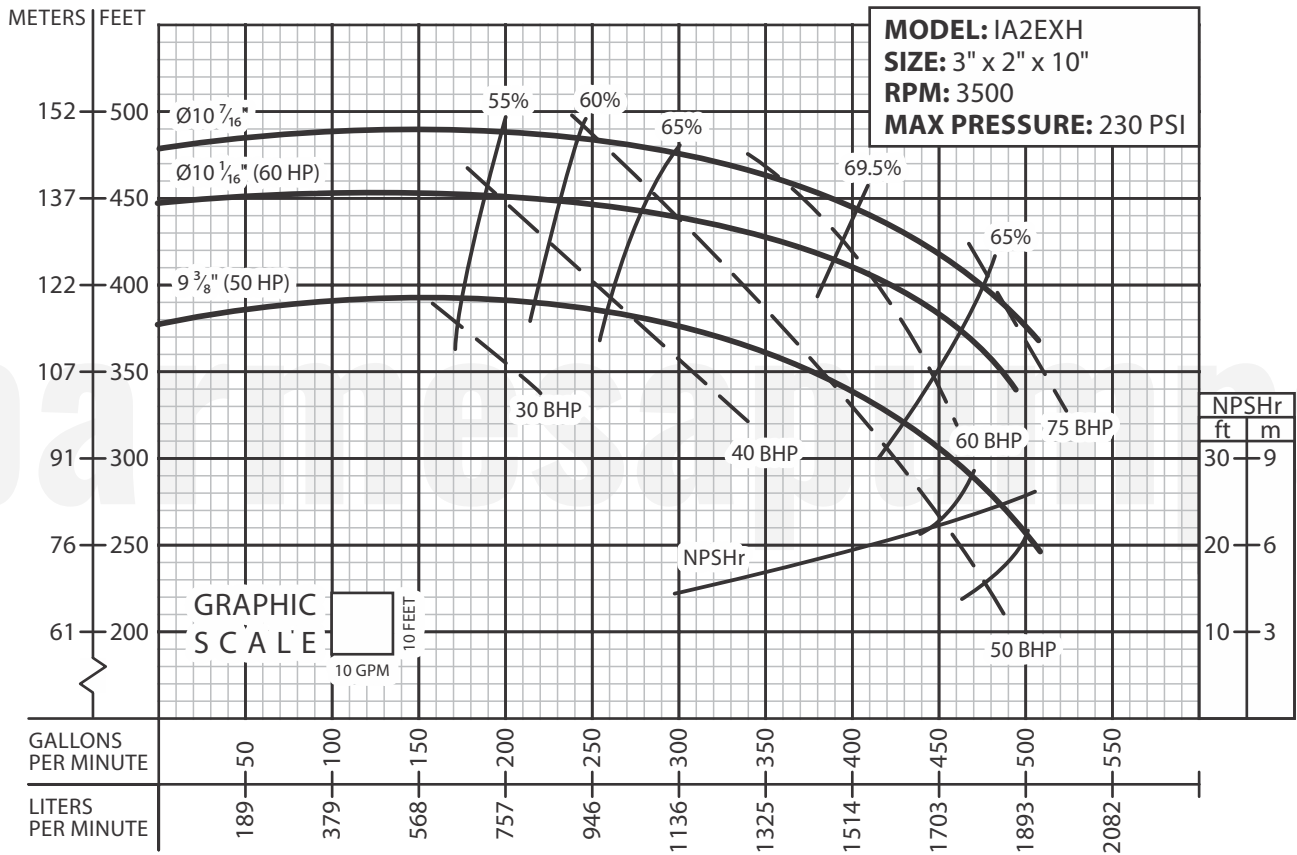
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68°F (20°C); other fluids may vary performance.



IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.

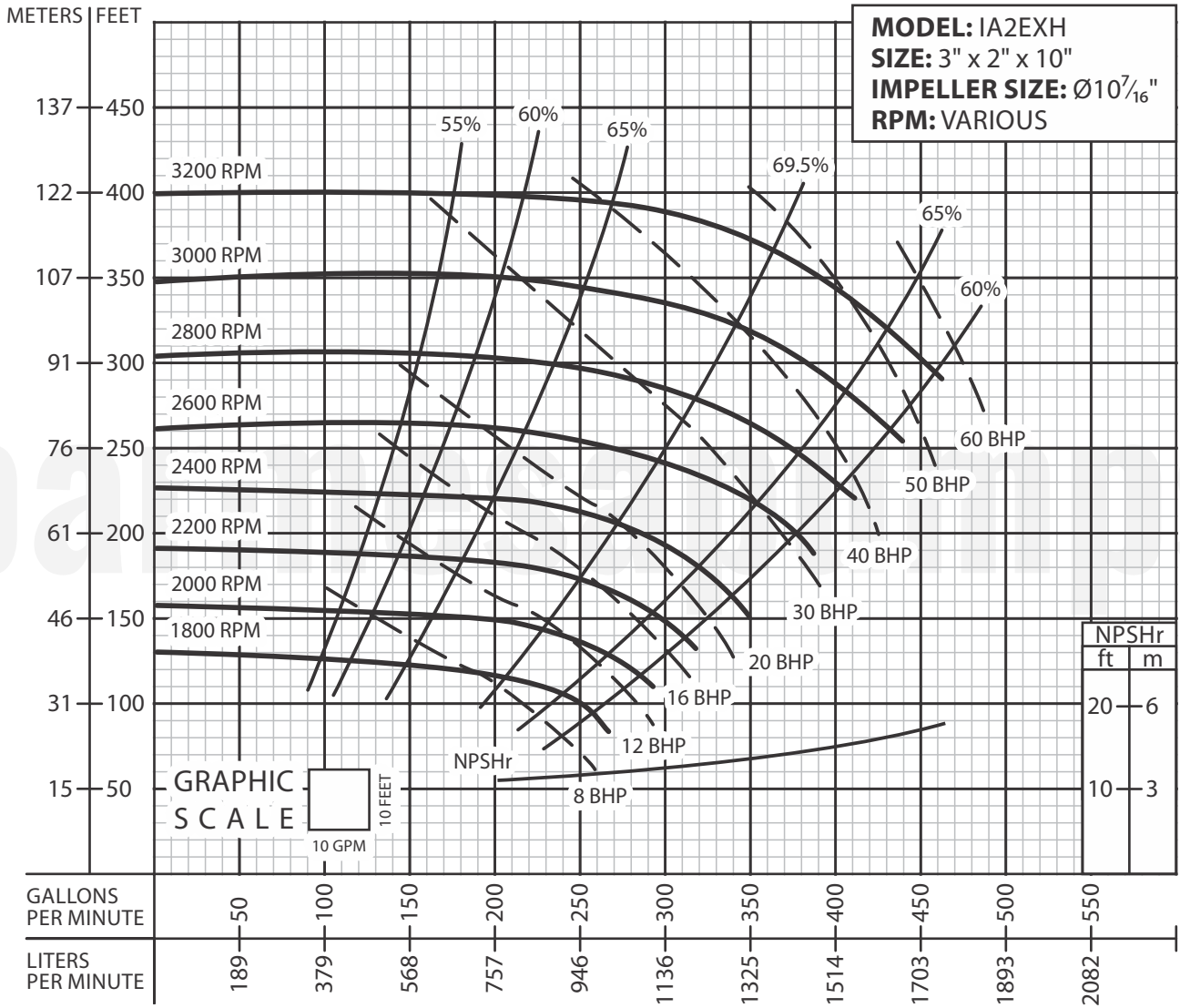


IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.

MODEL: IA2EXH
RPM: VARIOUS

PERFORMANCE CURVES



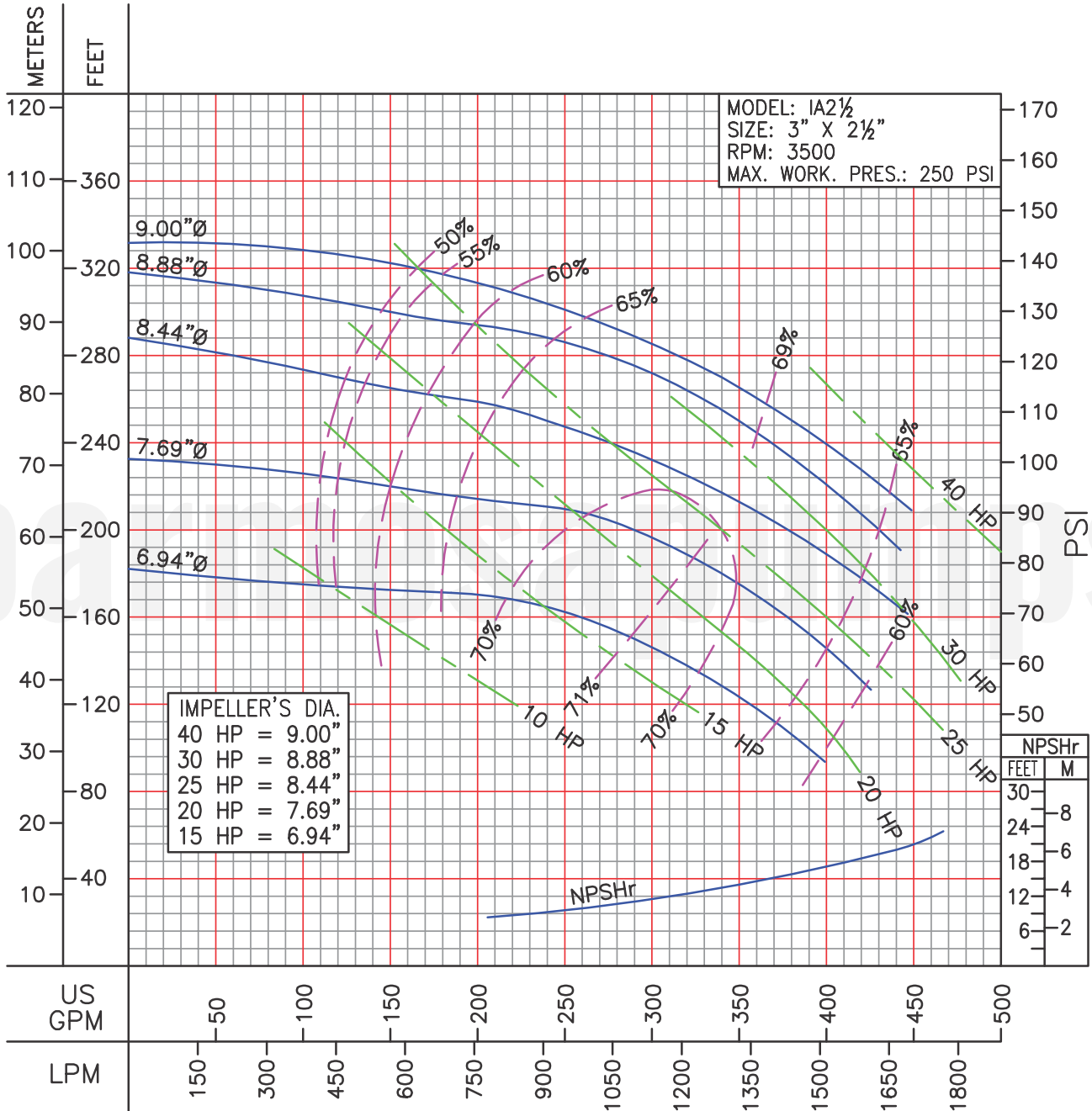
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.

MODEL: IA2½

RPM: 3500

PERFORMANCE CURVES



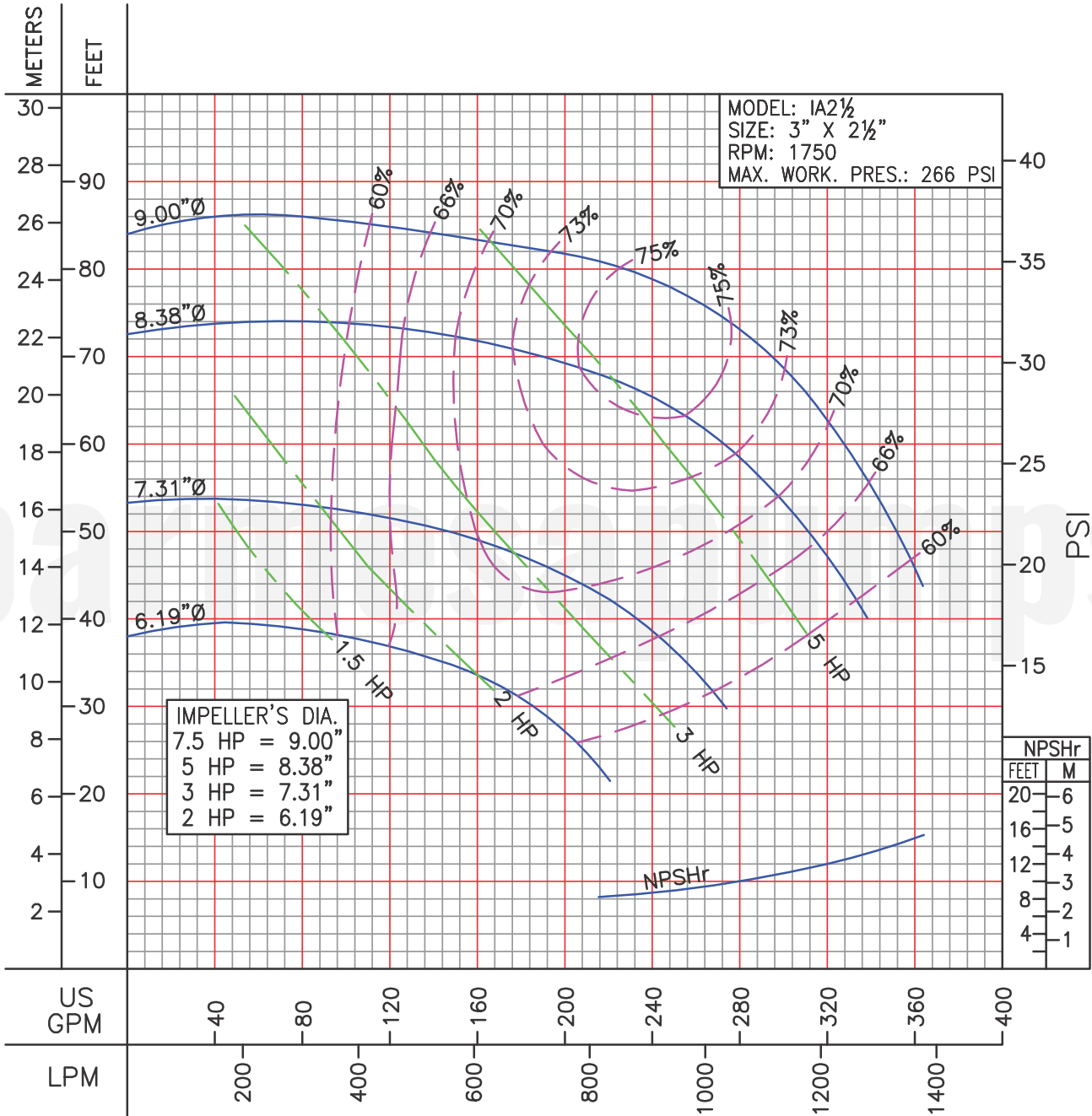
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68°F (20°C); other fluids may vary performance.

MODEL: IA2½

RPM: 1750

PERFORMANCE CURVES

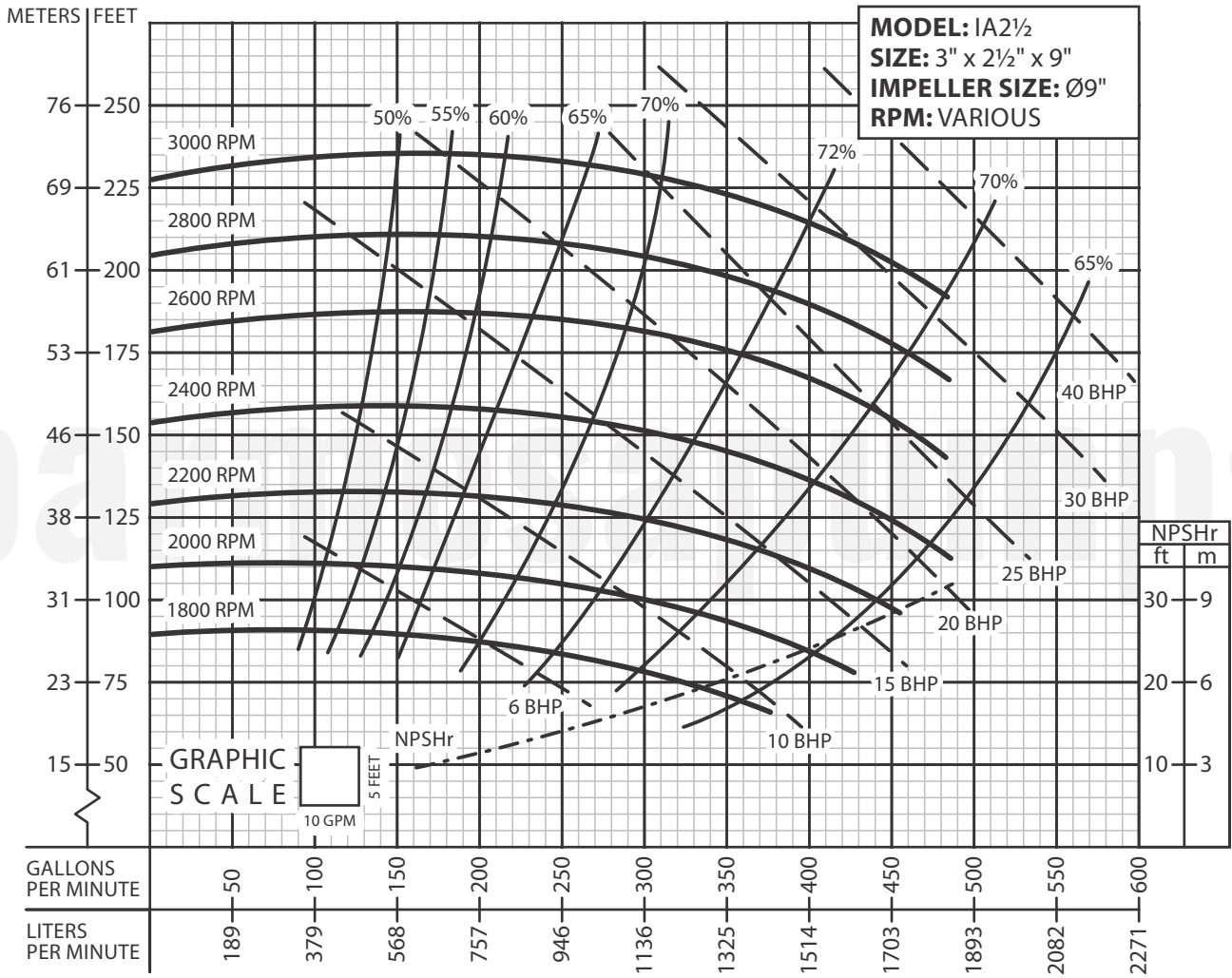


IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68°F (20°C); other fluids may vary performance.

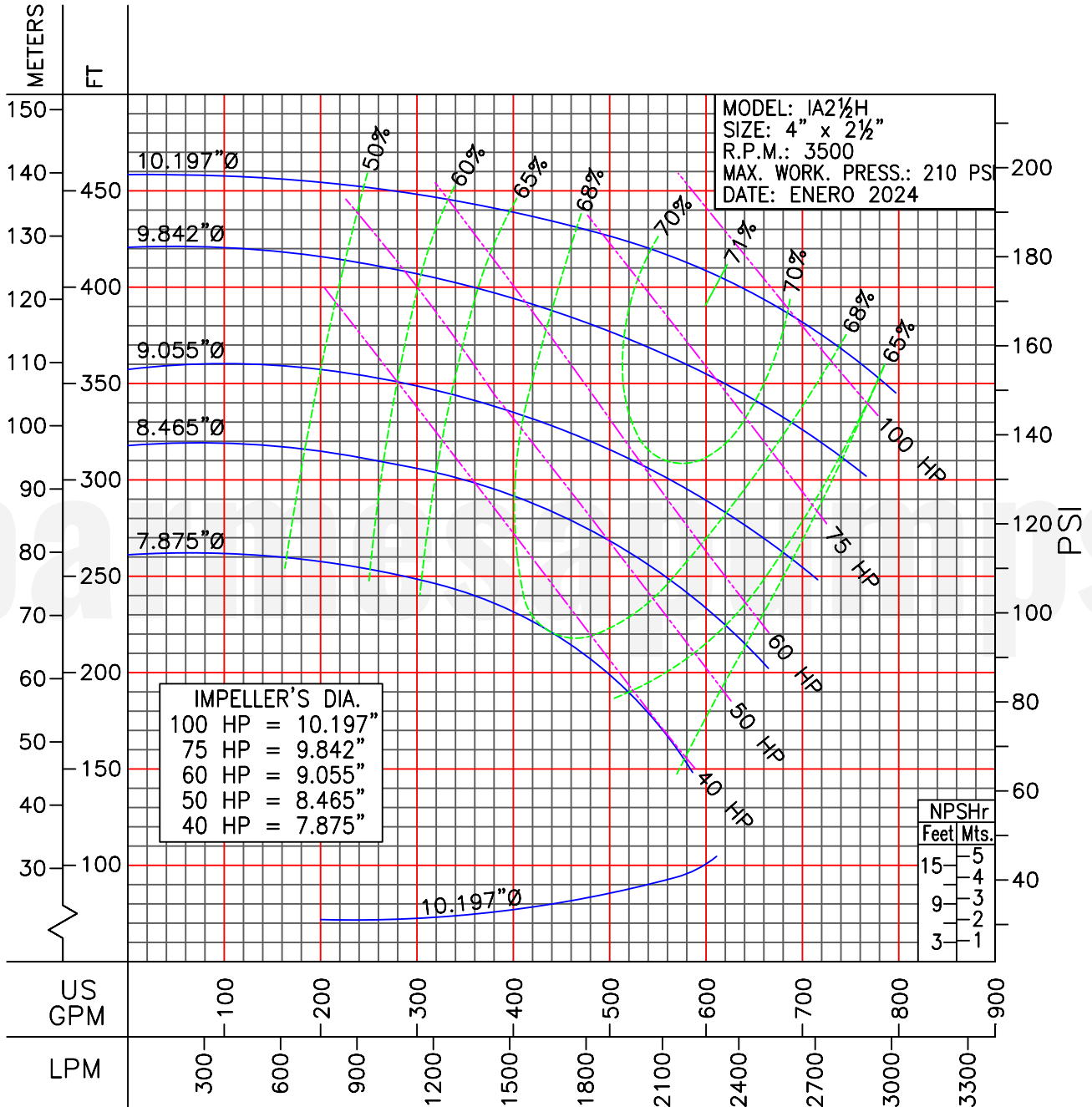
MODEL: IA2½
RPM: VARIOUS

PERFORMANCE CURVES



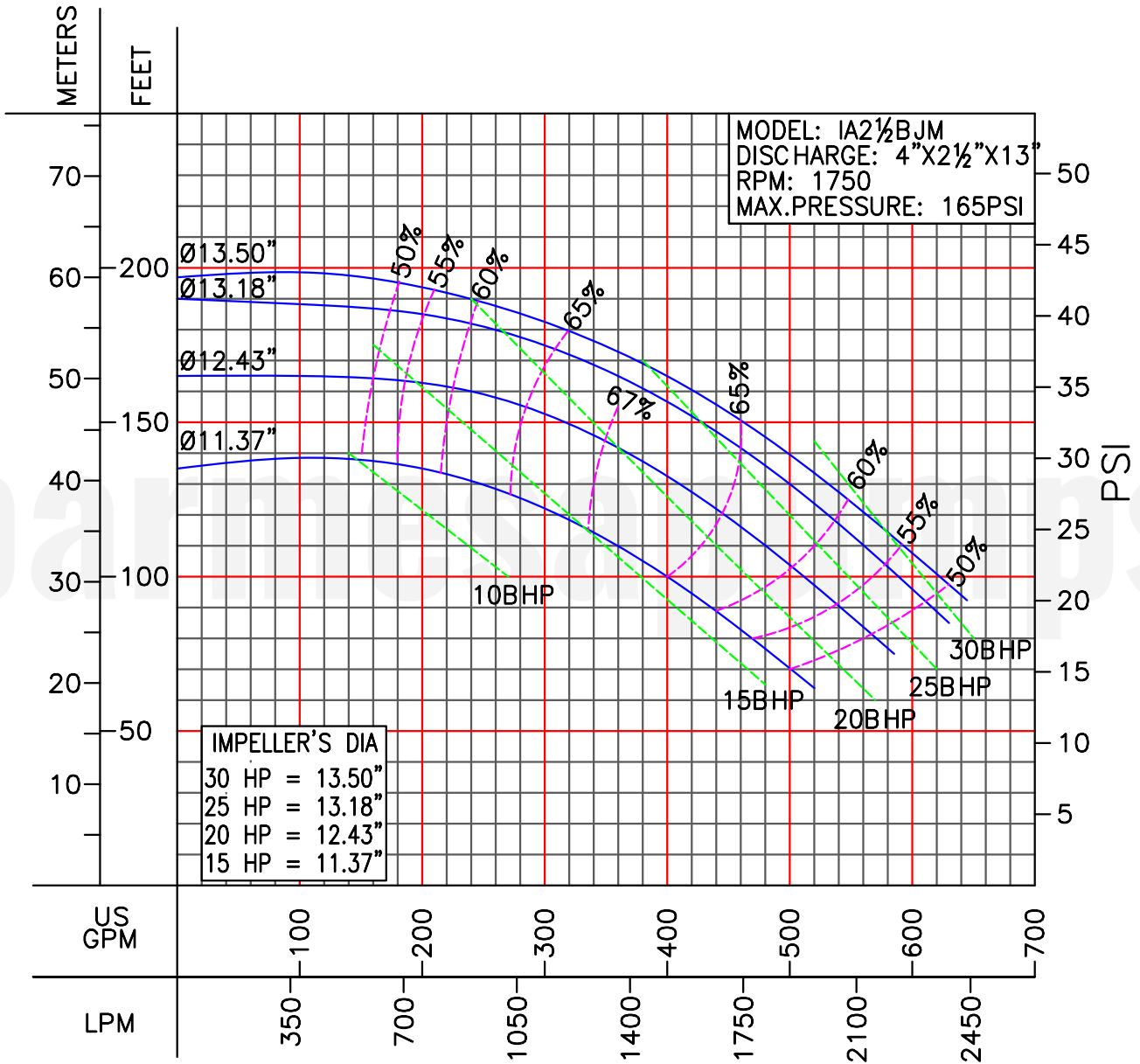
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68°F (20°C); other fluids may vary performance.



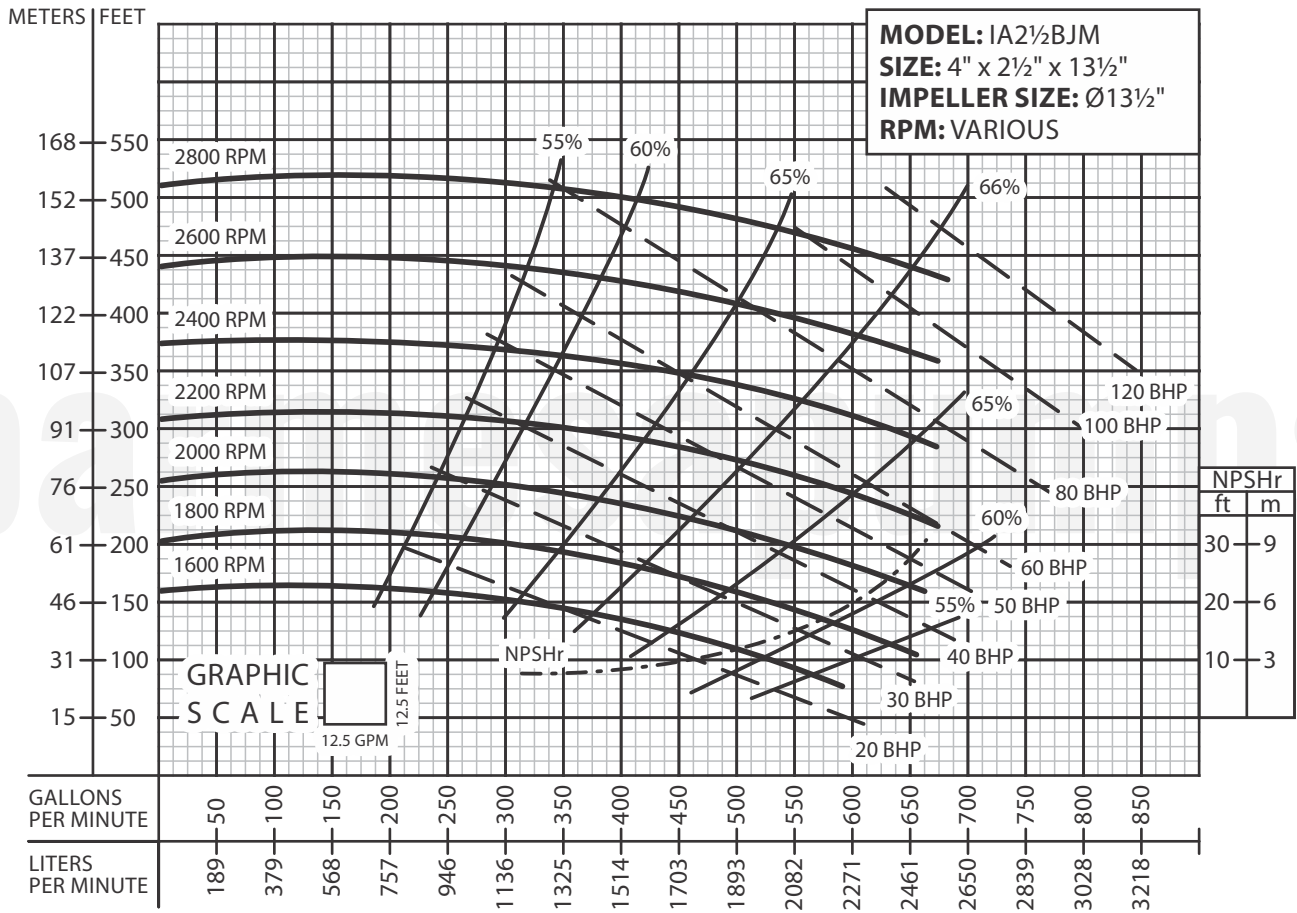
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68°F (20°C); other fluids may vary performance.



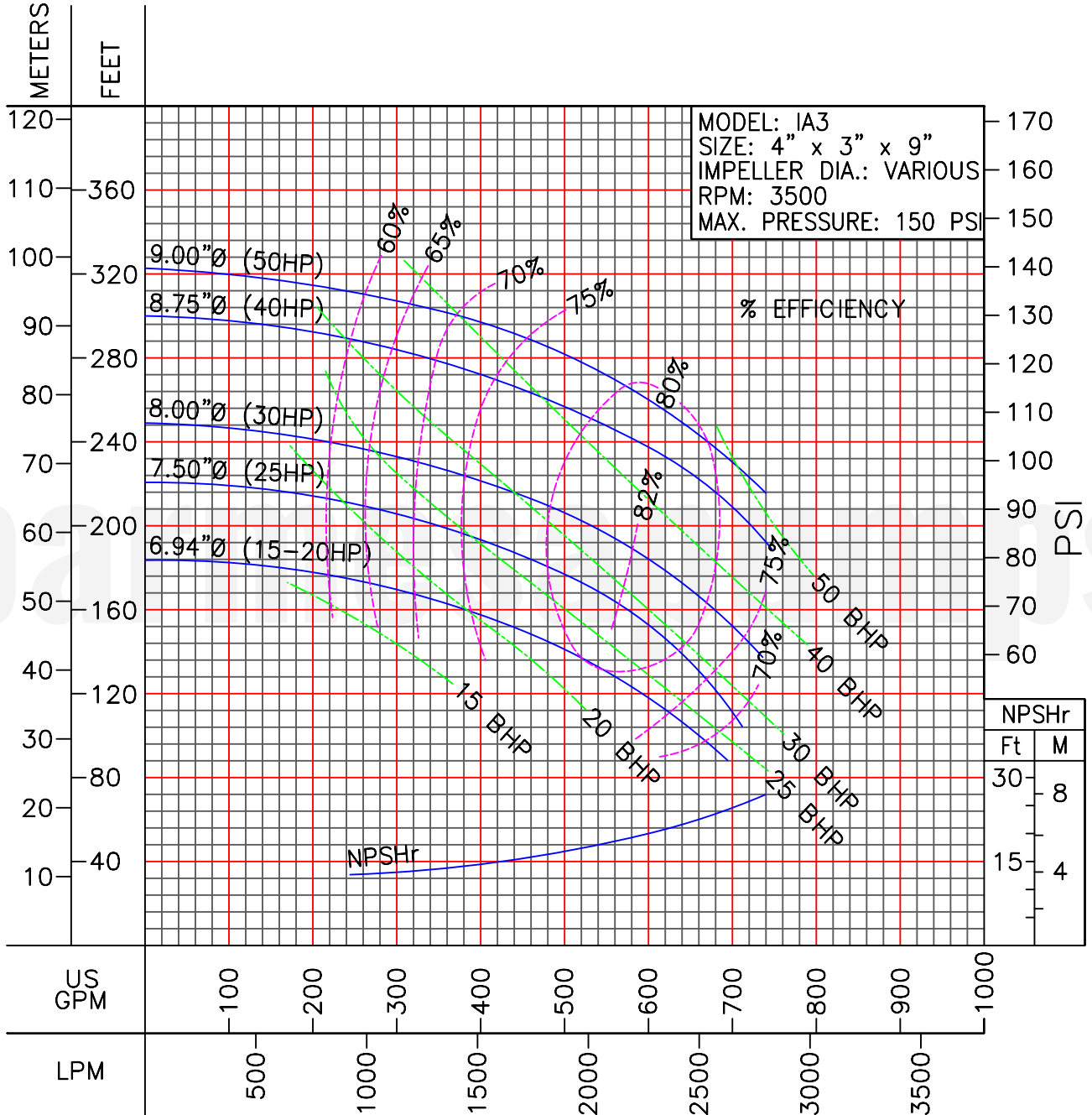
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



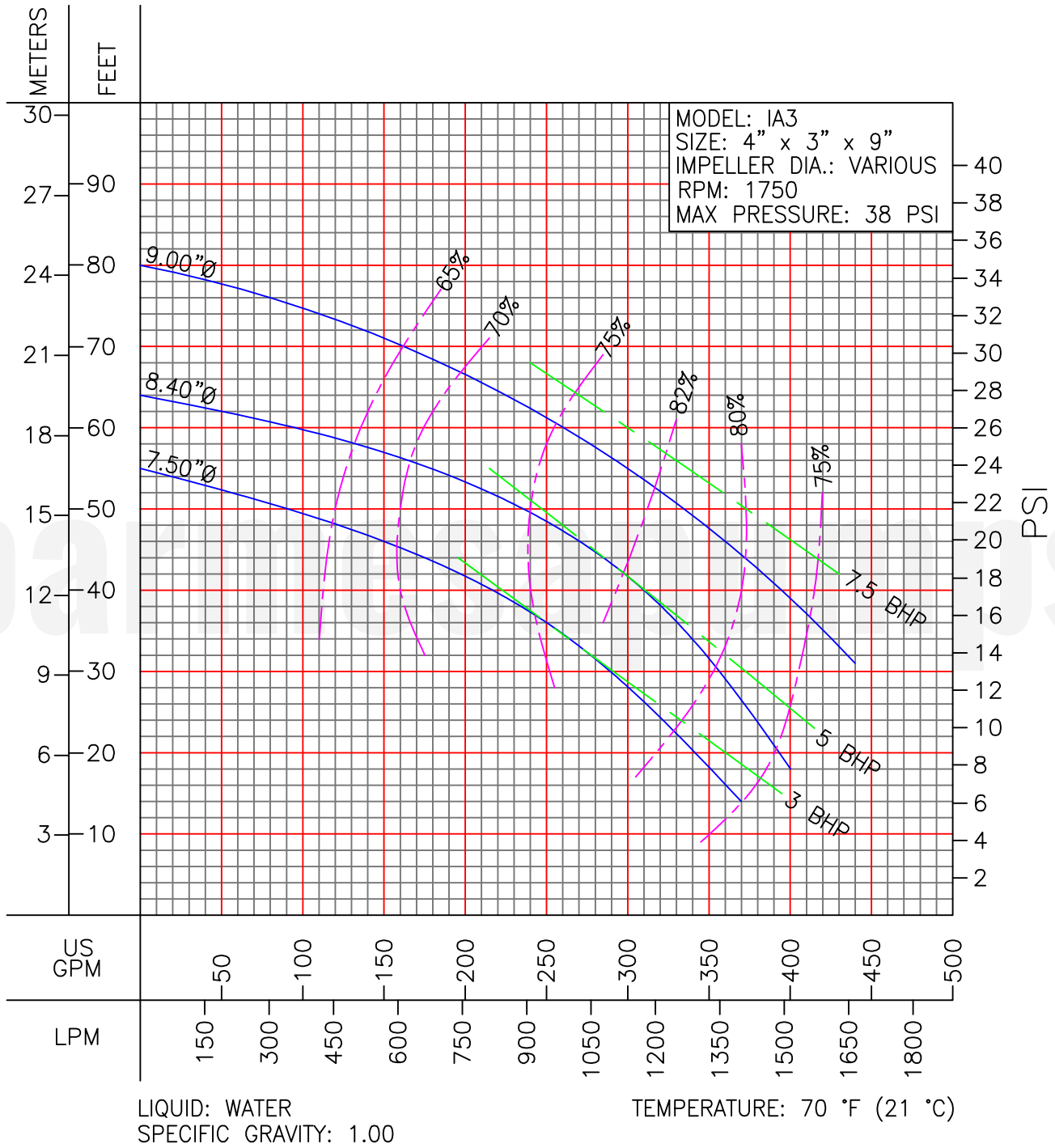
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



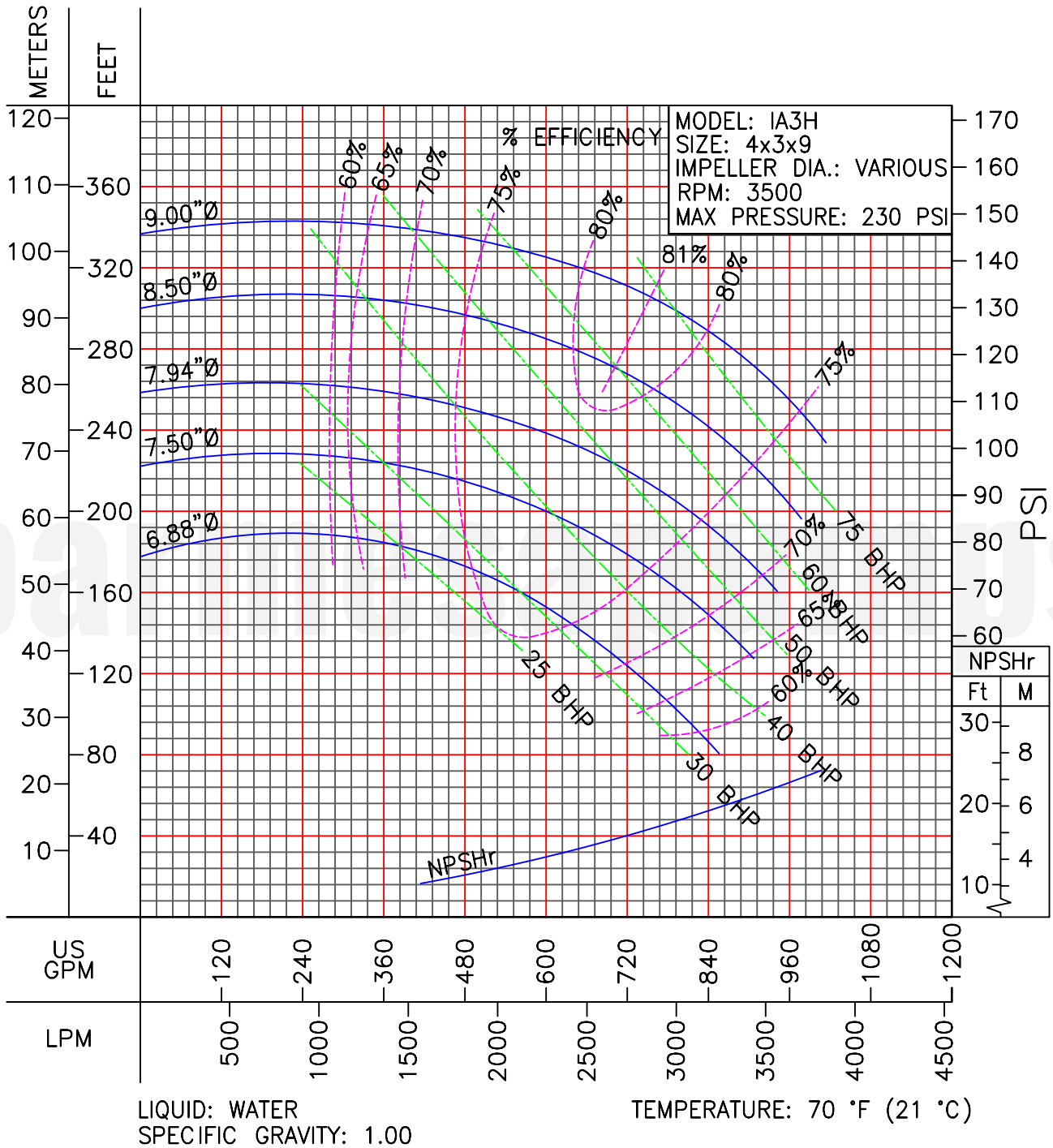
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68°F (20°C); other fluids may vary performance.



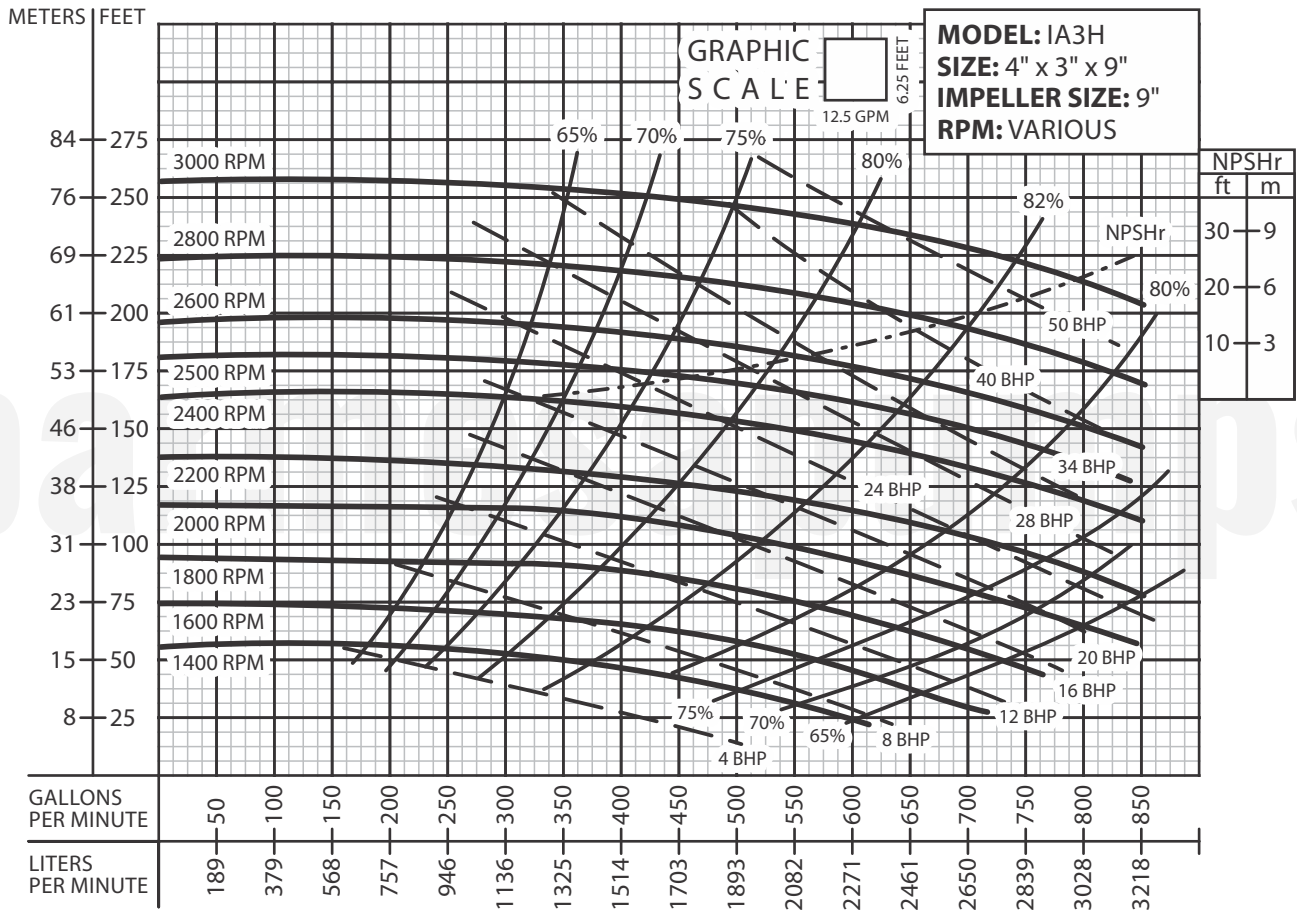
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



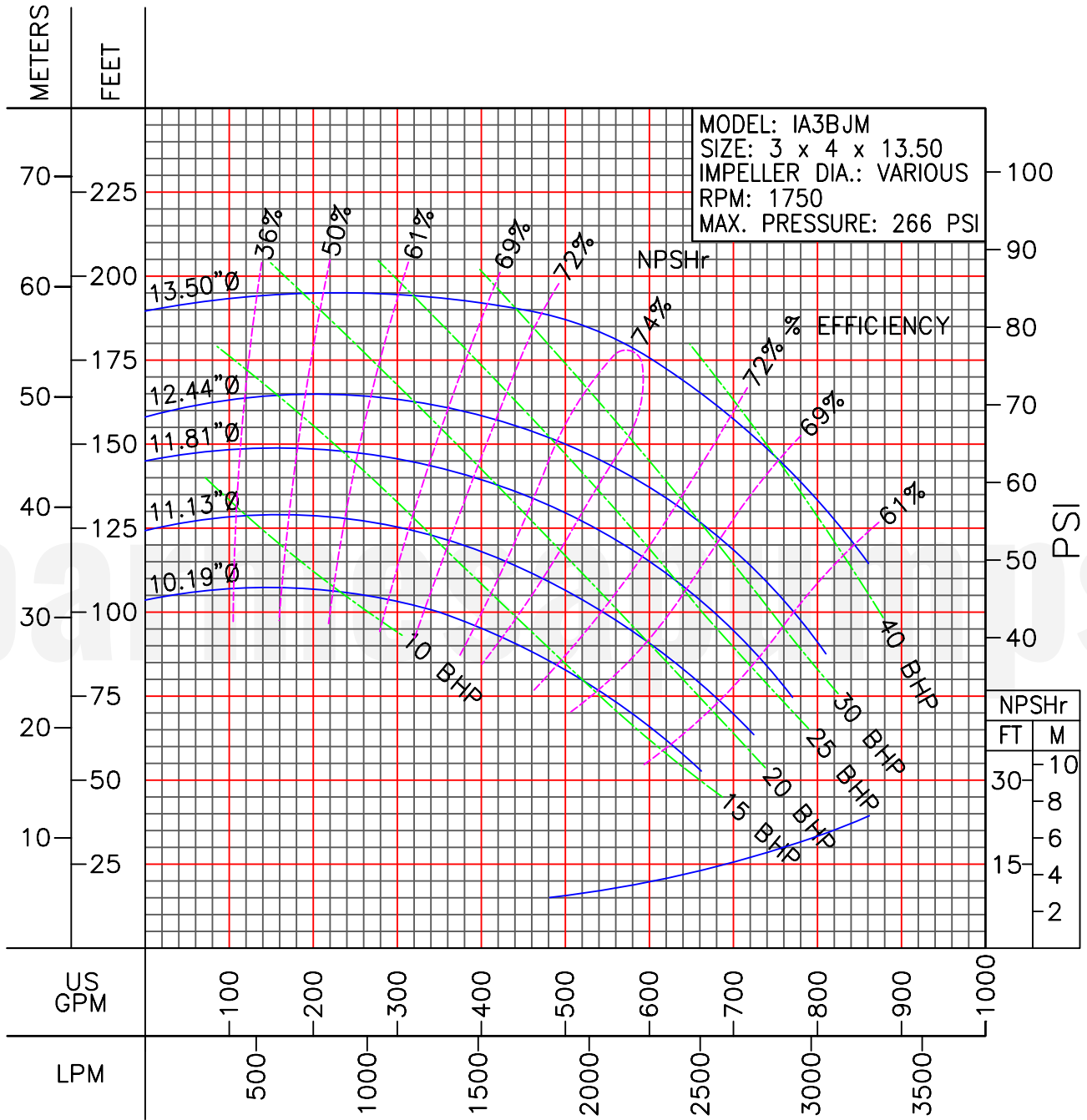
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.

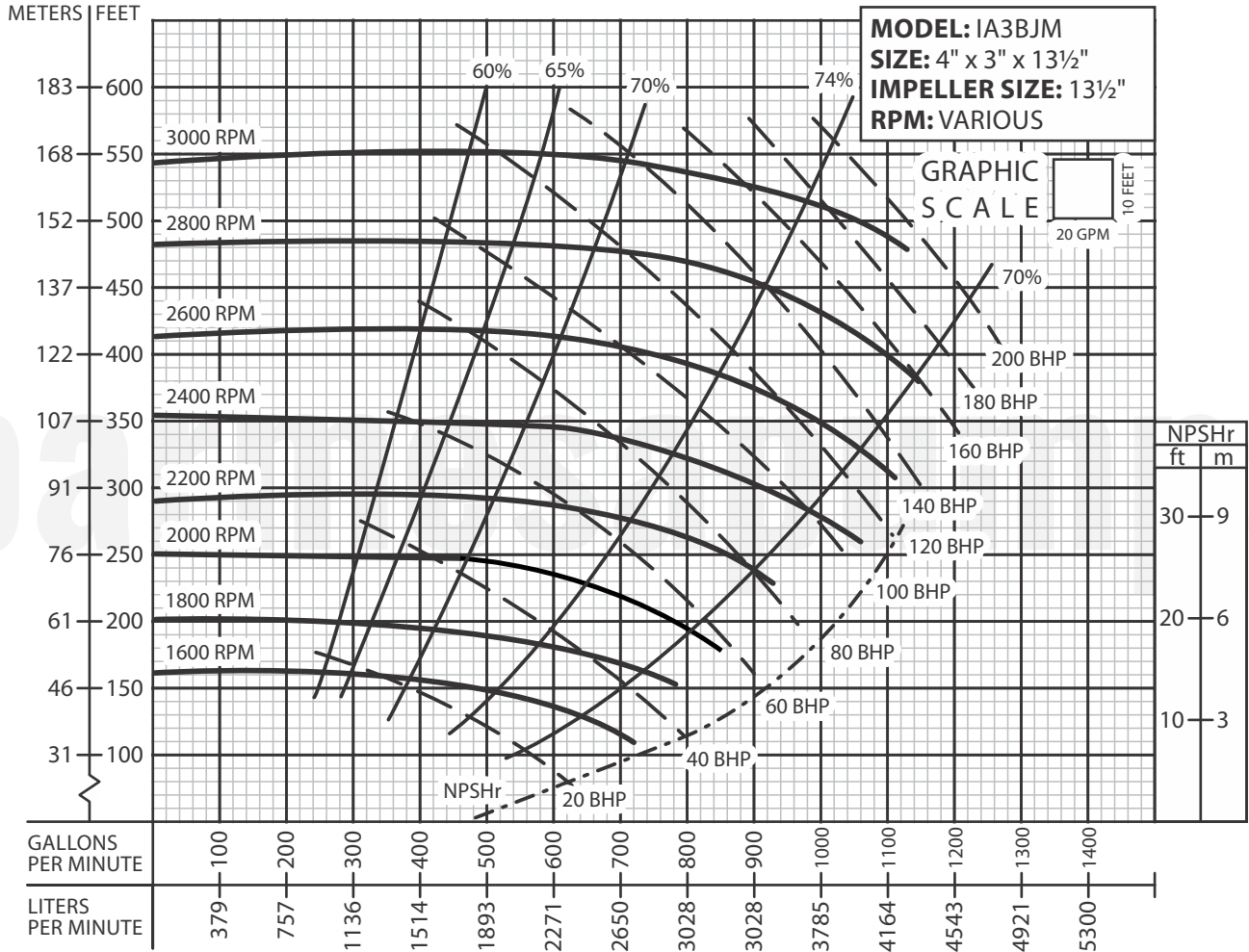


LIQUID: WATER
 SPECIFIC GRAVITY: 1.00

TEMPERATURE: 70 °F (21 °C)

IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



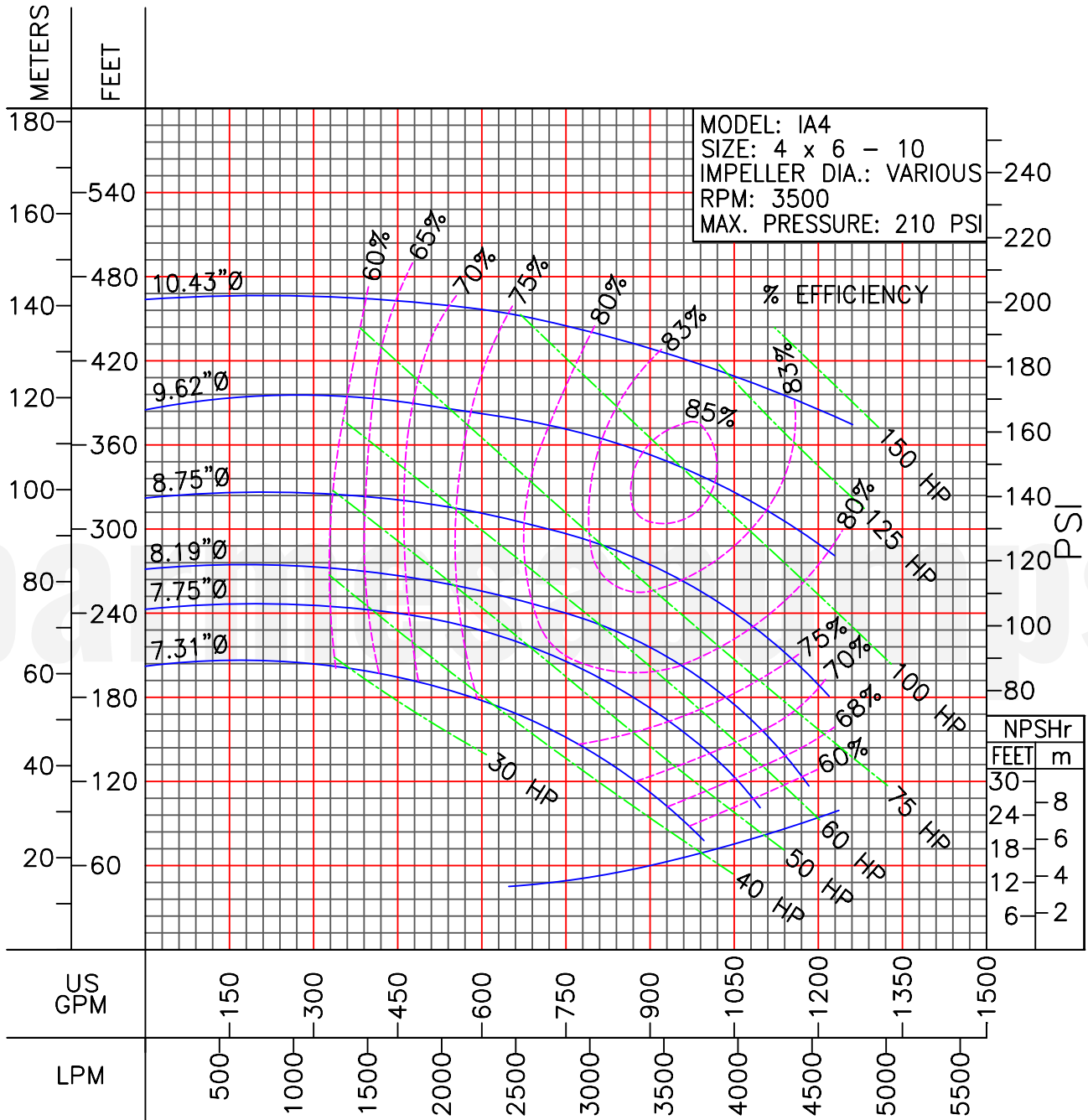
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.

MODEL: IA4

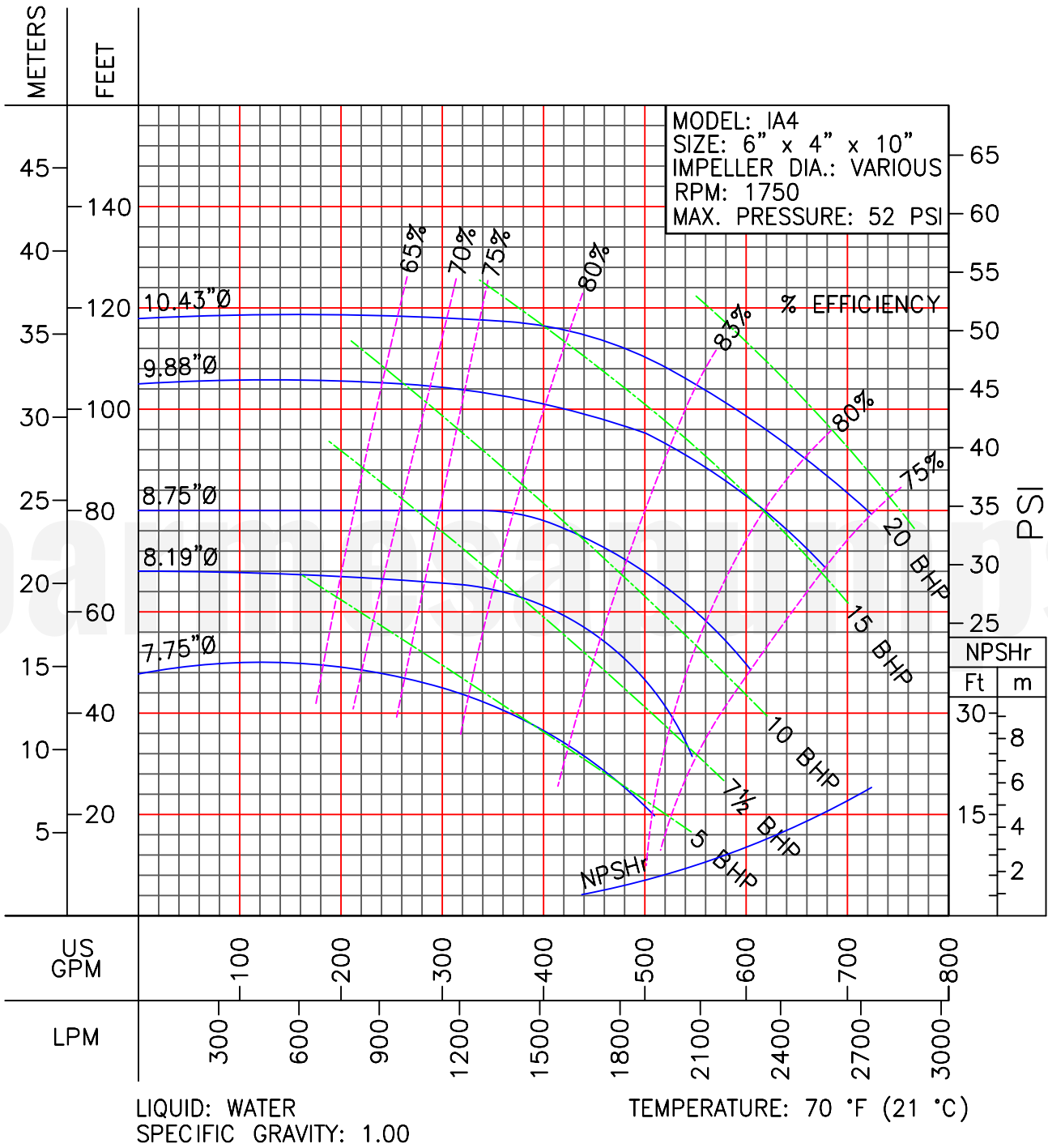
RPM: 3500

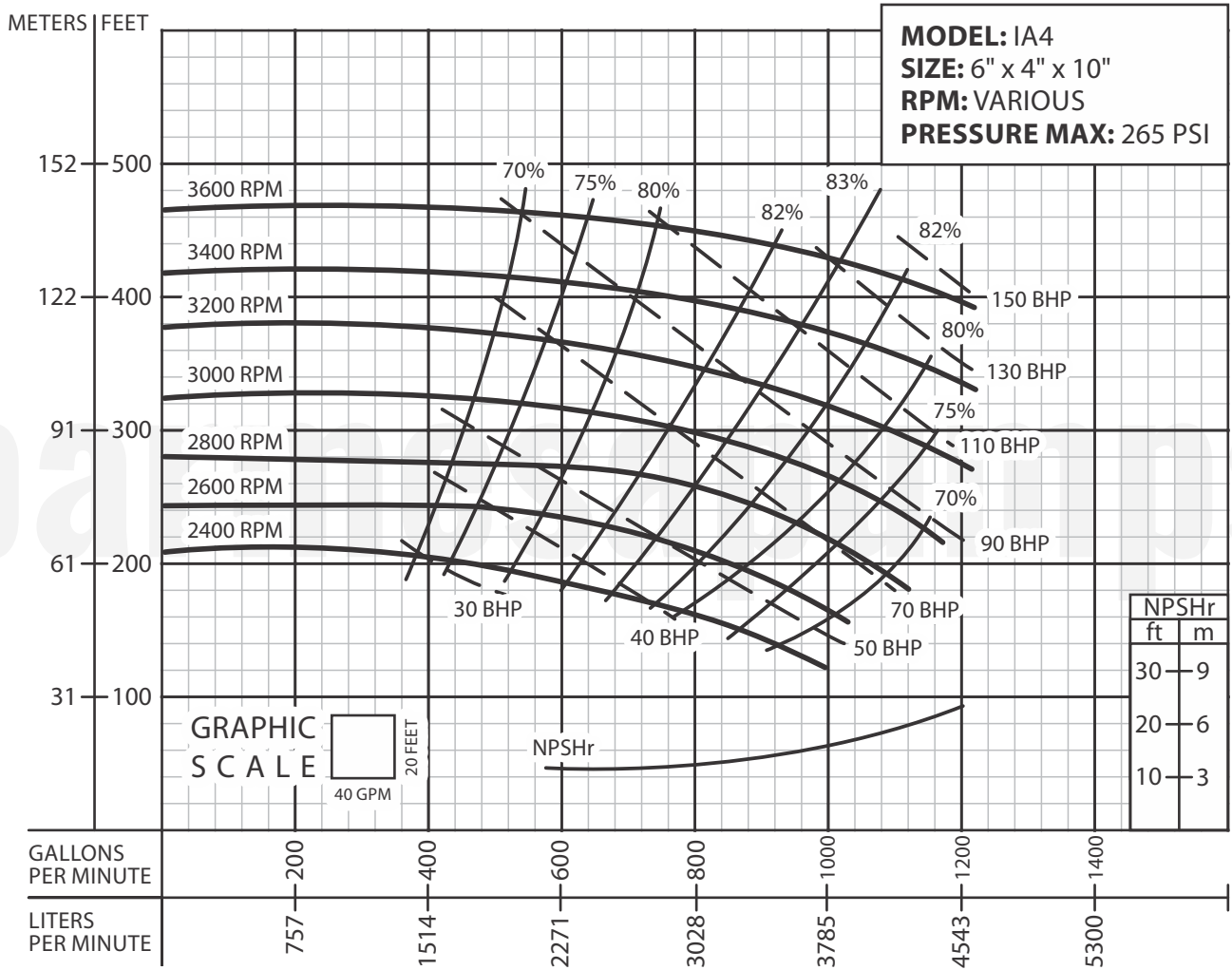
PERFORMANCE CURVES



LIQUID: WATER
SPECIFIC GRAVITY: 1.00

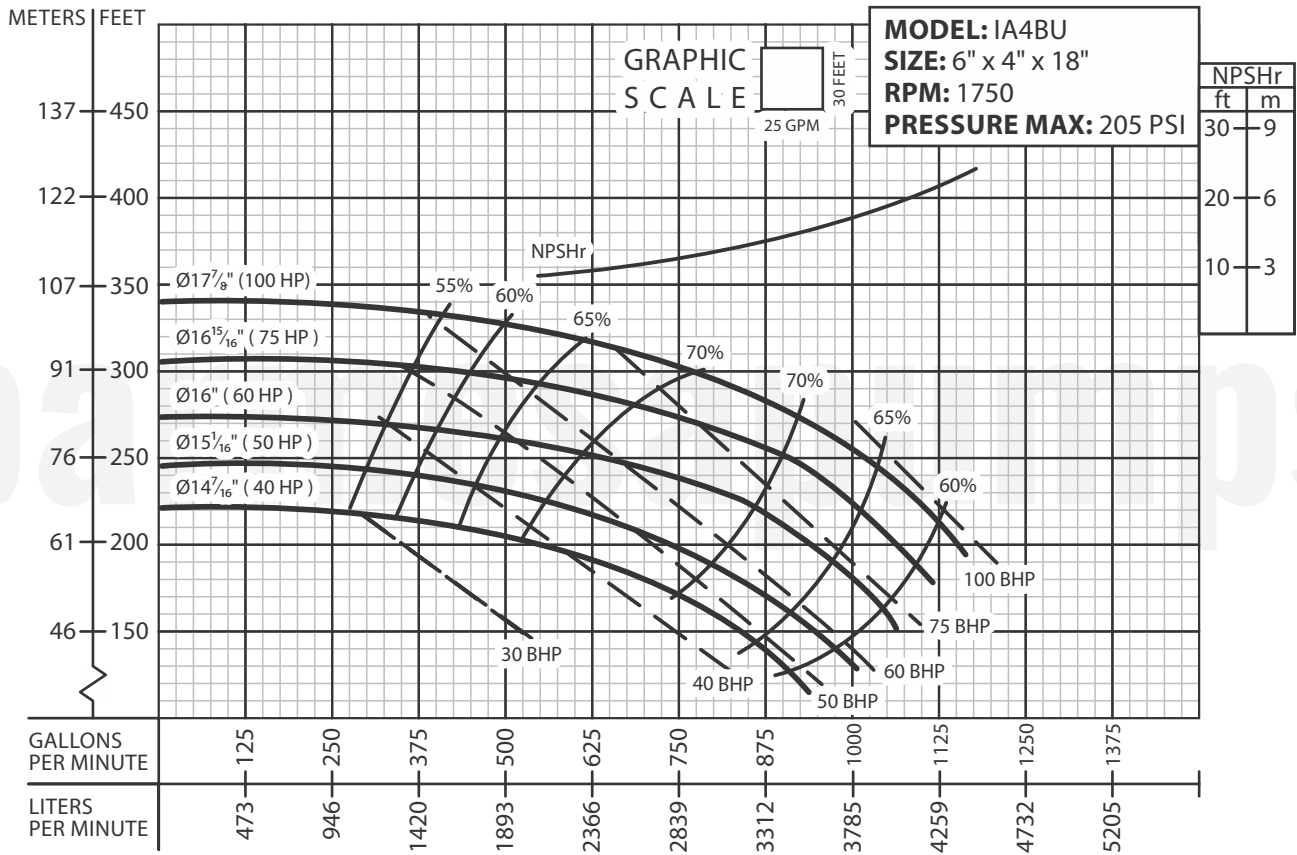
TEMPERATURE: 70 °F (21 °C)





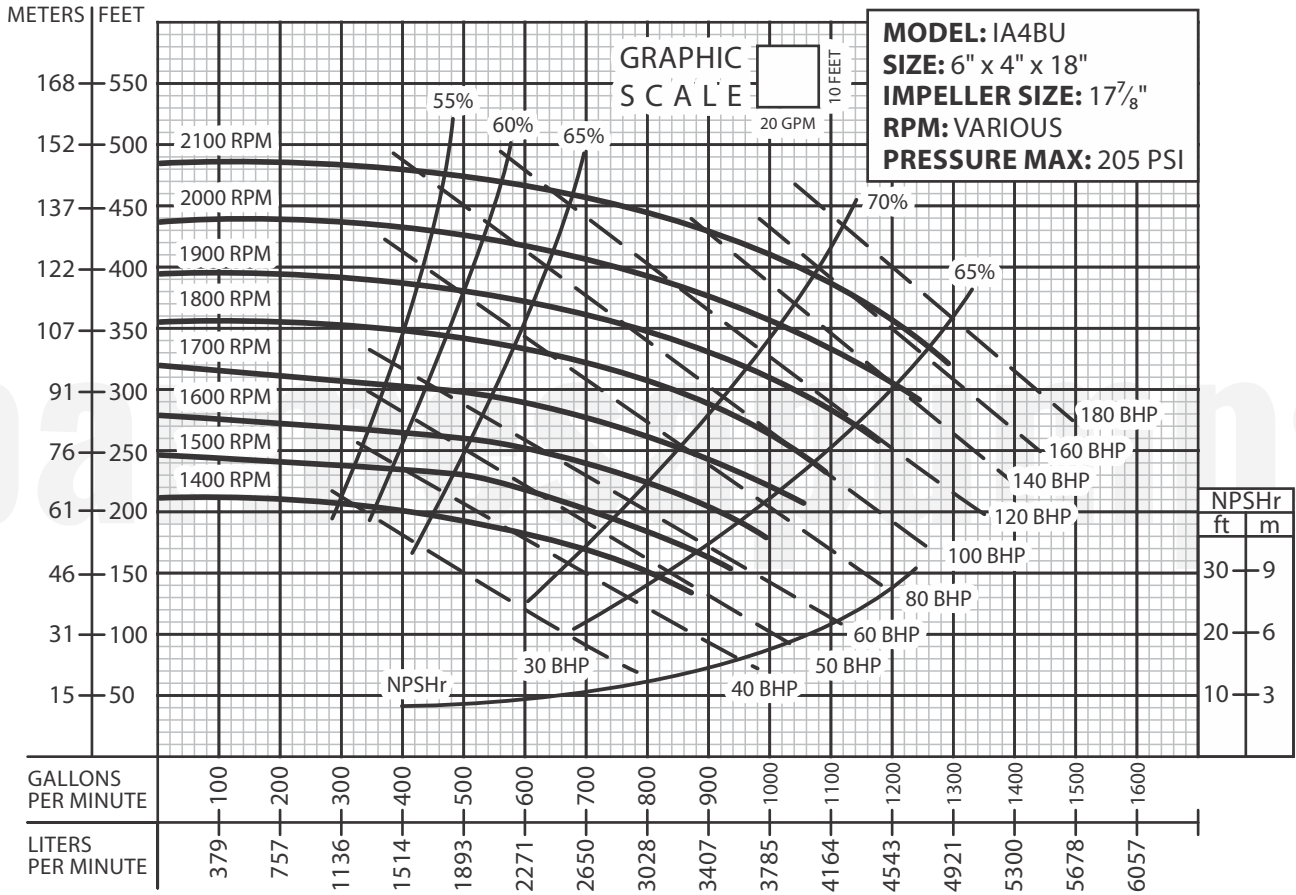
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



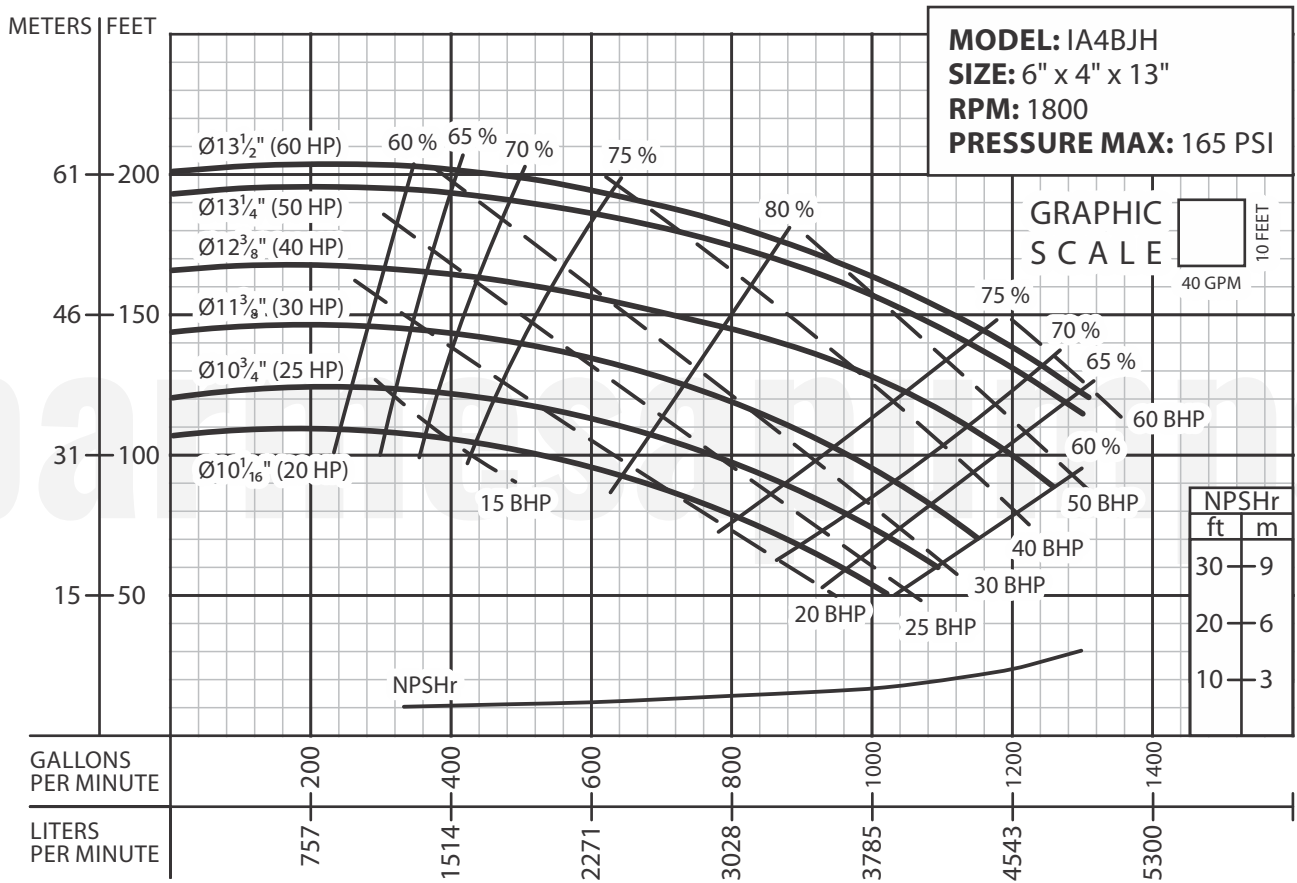
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



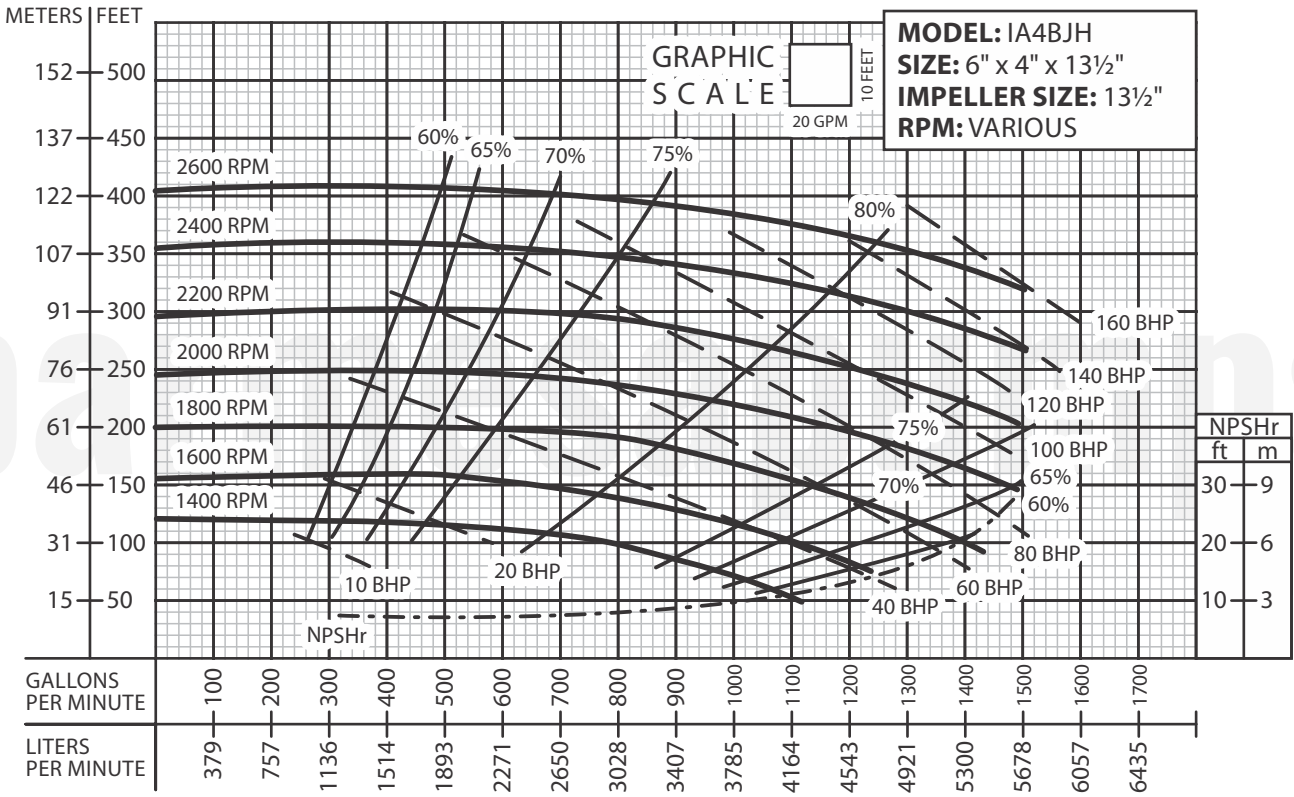
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



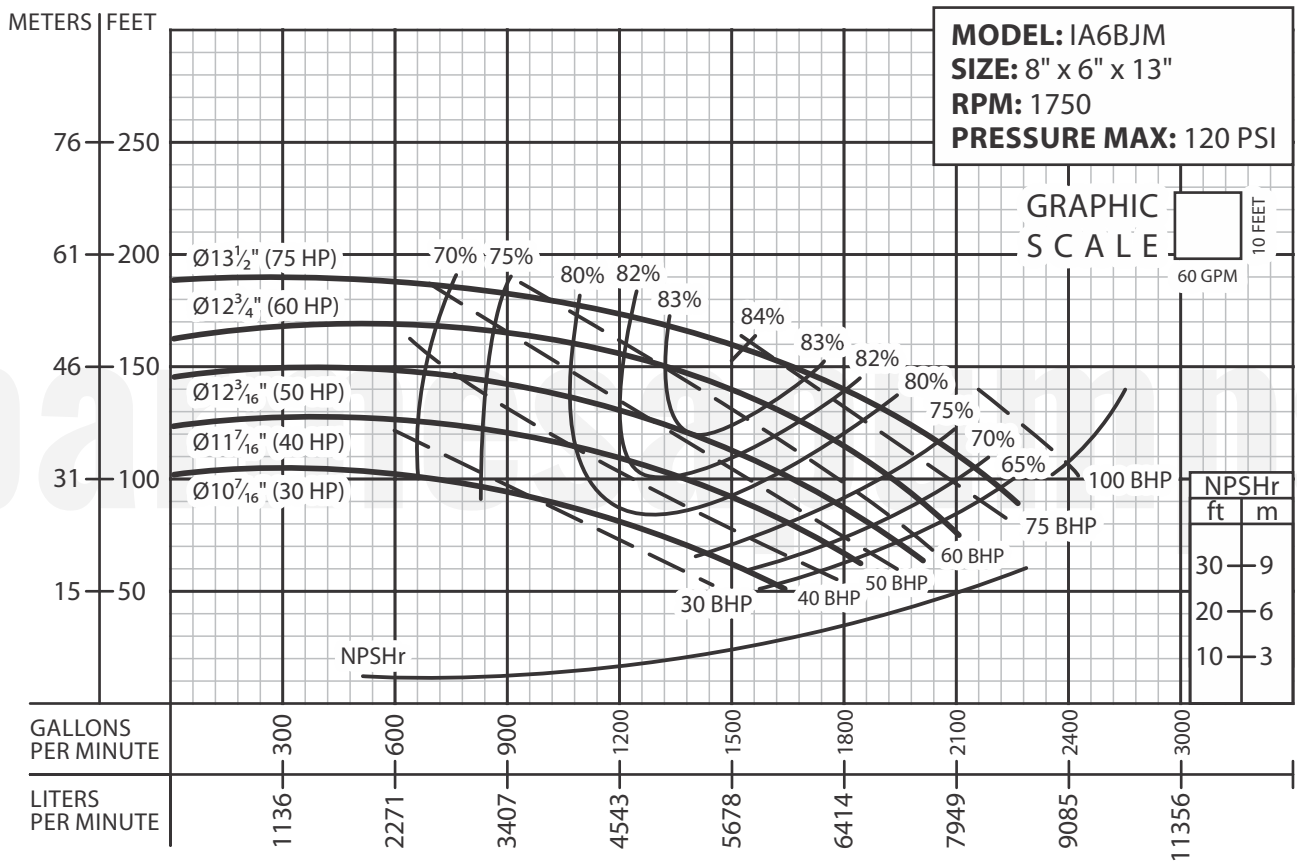
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



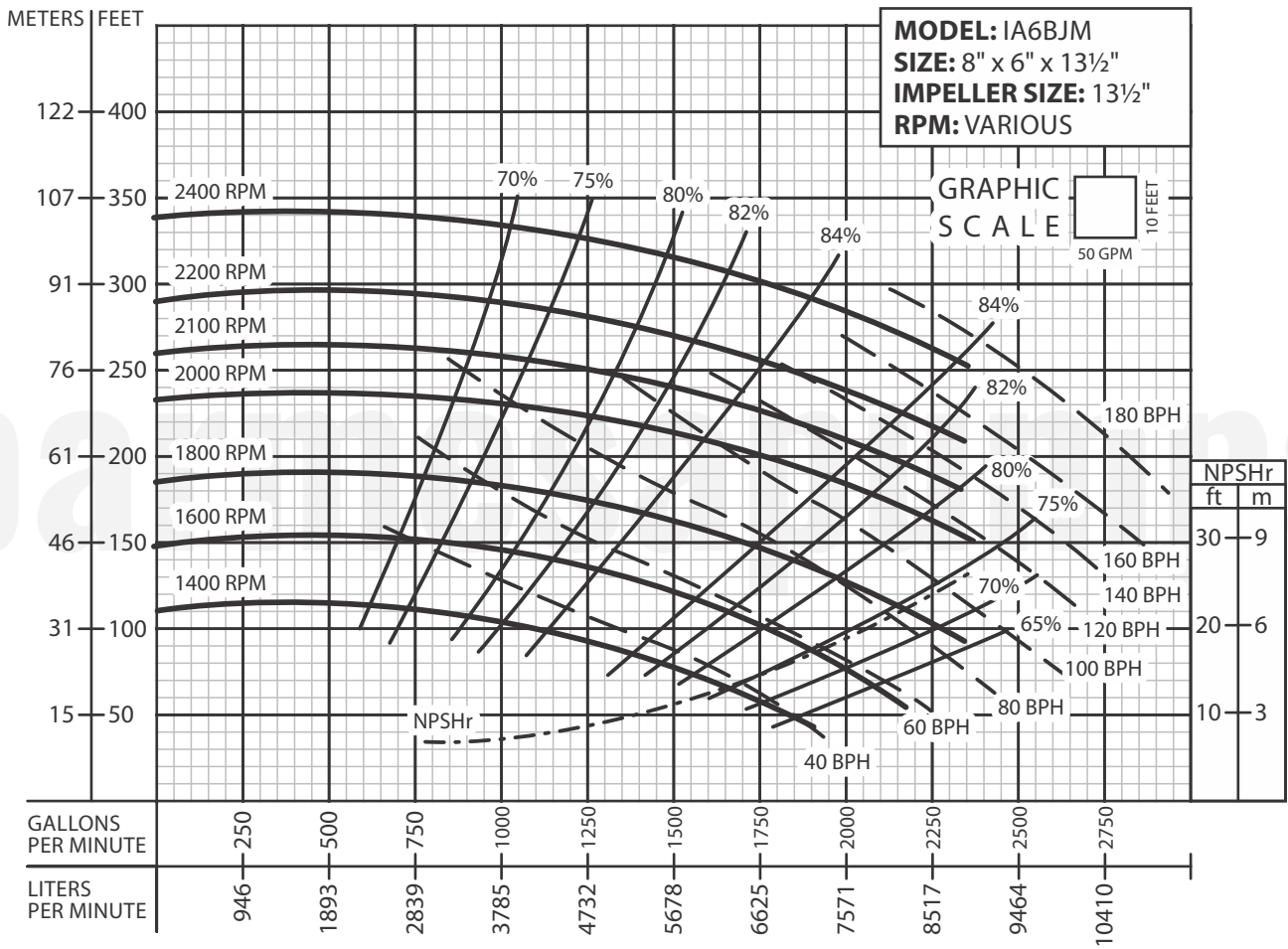
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.