

# 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

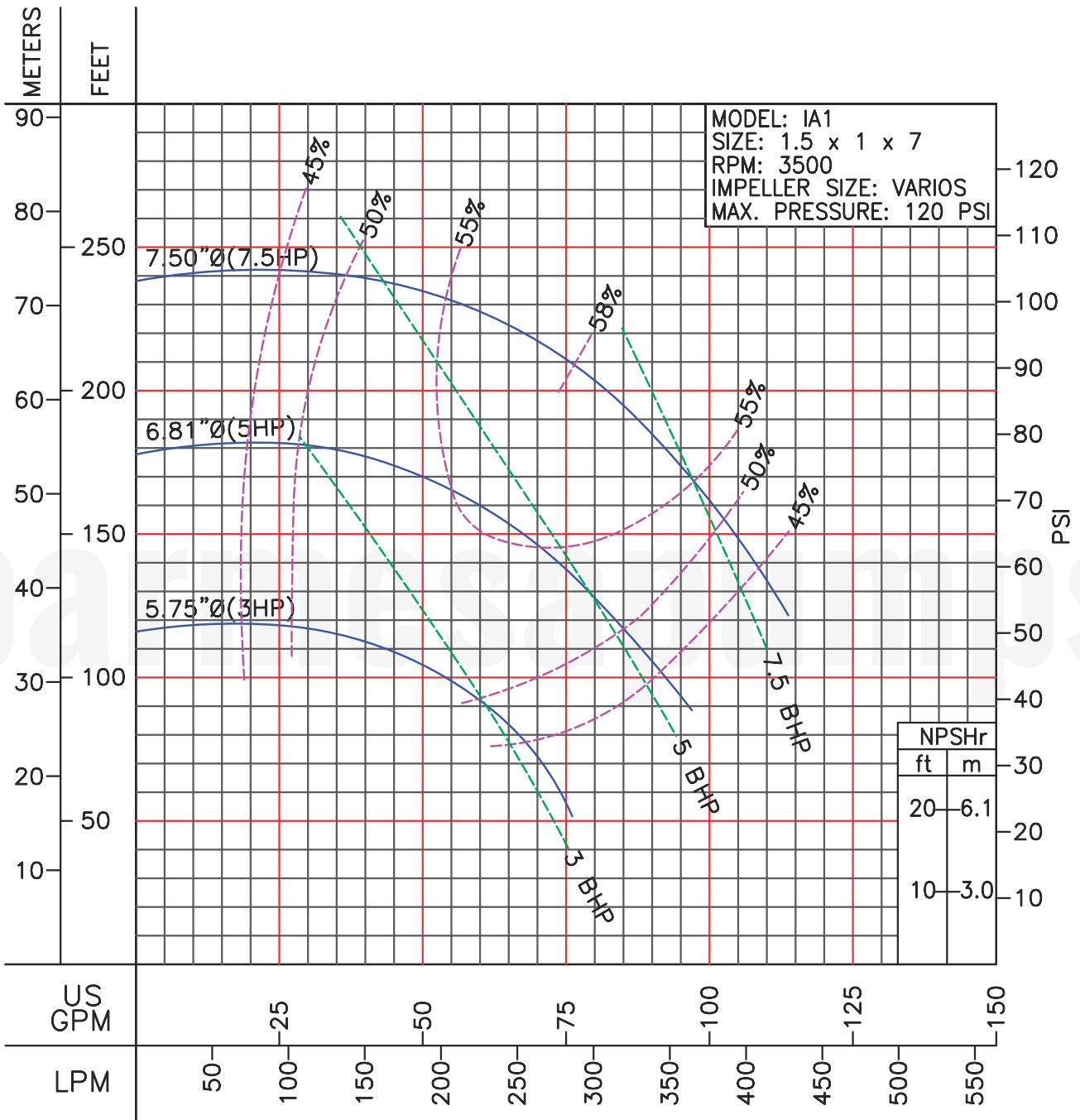
## HARDWARE

Carbon steel

## PAINT

Air dry enamel, water based.

\*For dimensions and weights, please refer to our pump user manual.



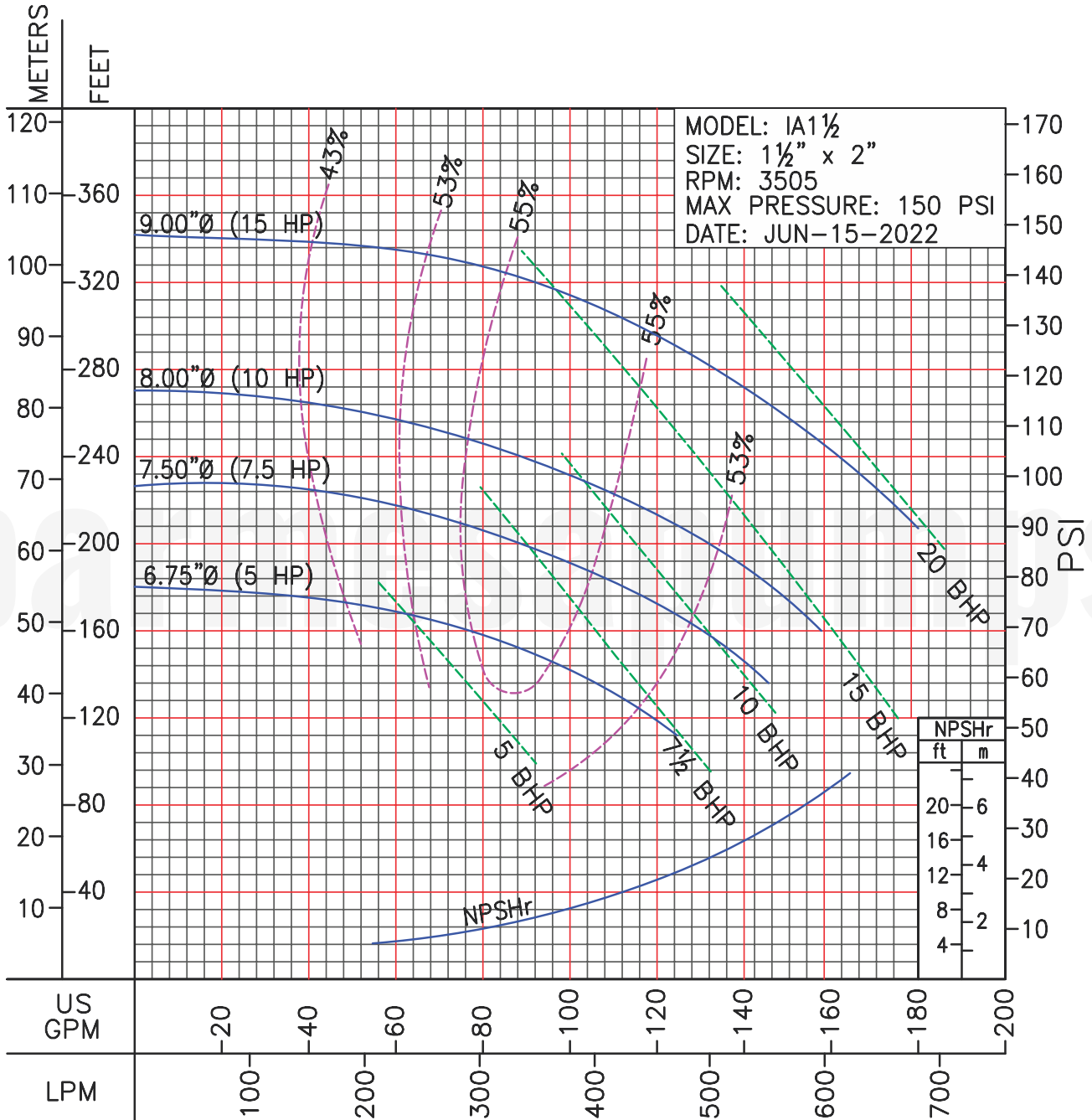
LIQUID: WATER  
SPECIFIC GRAVITY : 1.00

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

MODEL: IA1½

RPM: 3505

PERFORMANCE CURVES

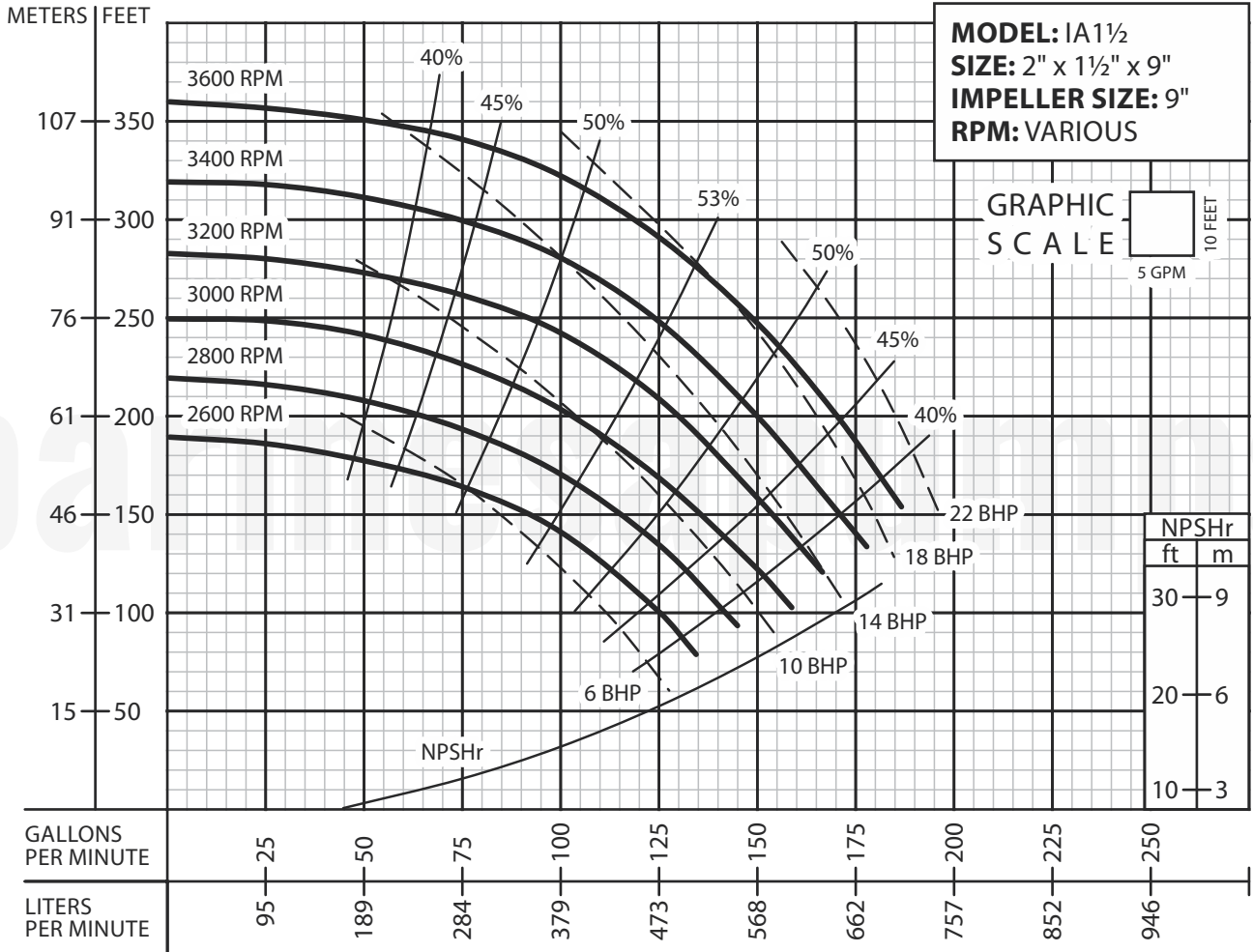


IMPORTANT!

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

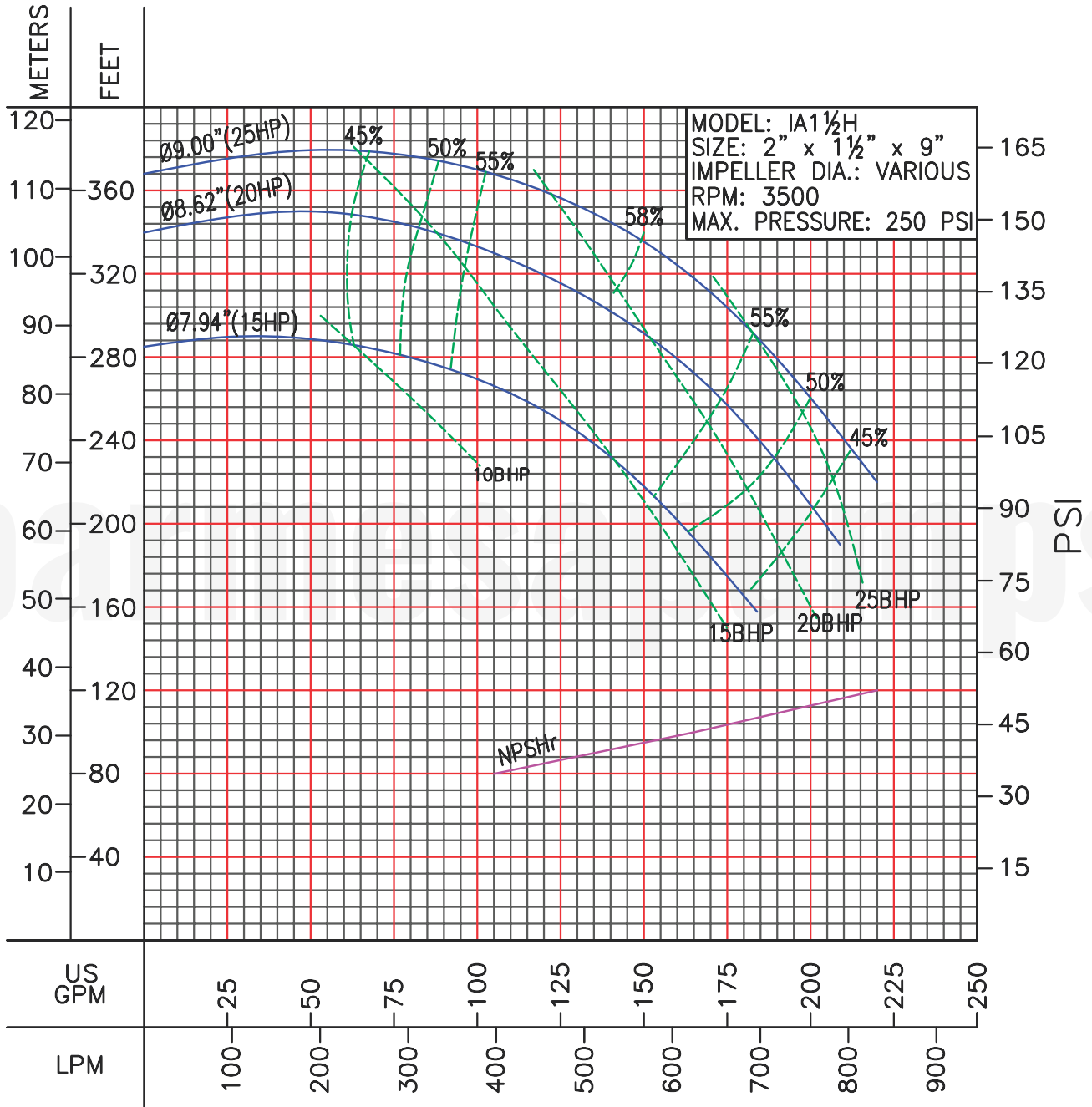
MODEL: IA1½  
RPM: VARIOUS

PERFORMANCE CURVES



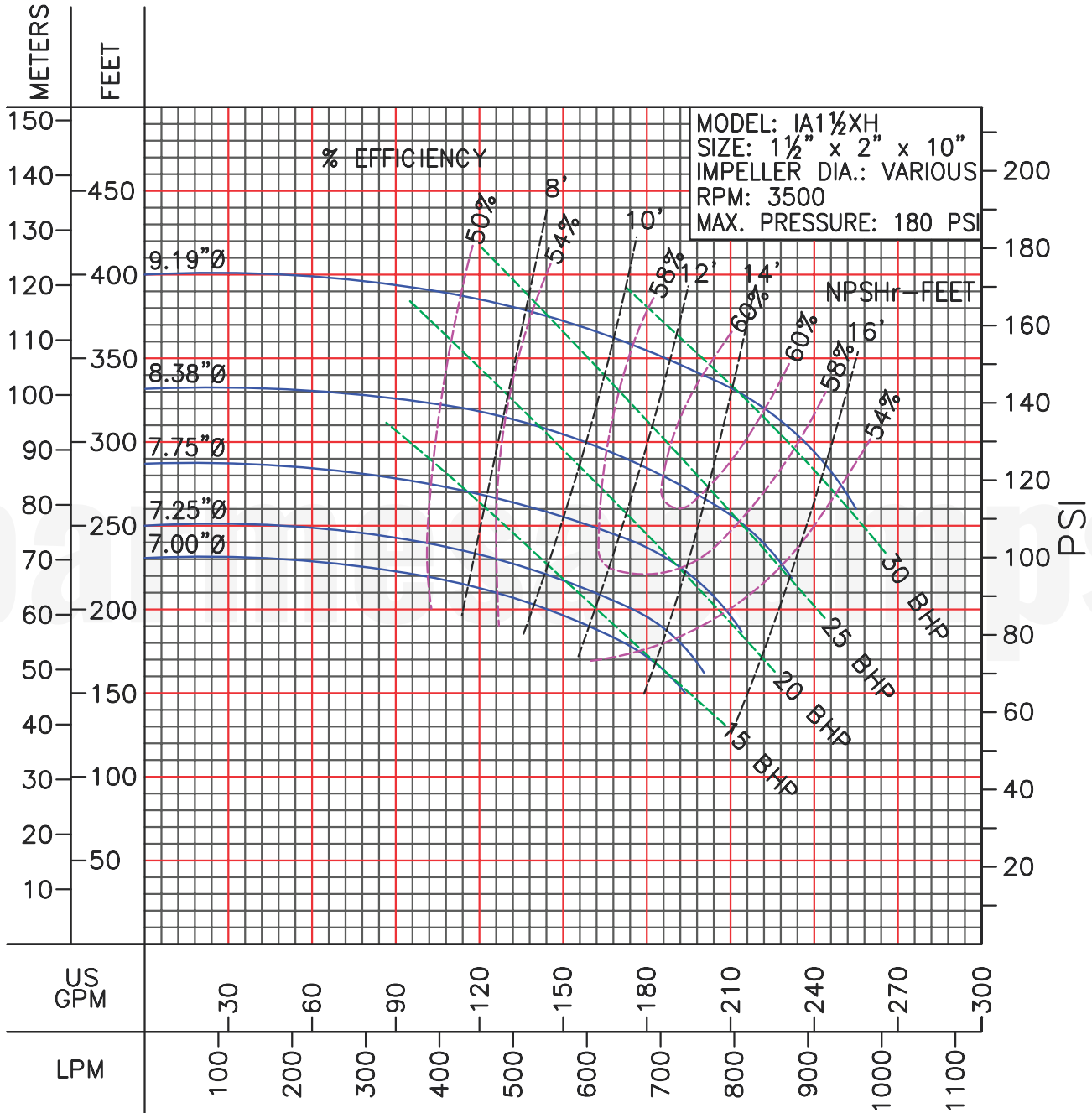
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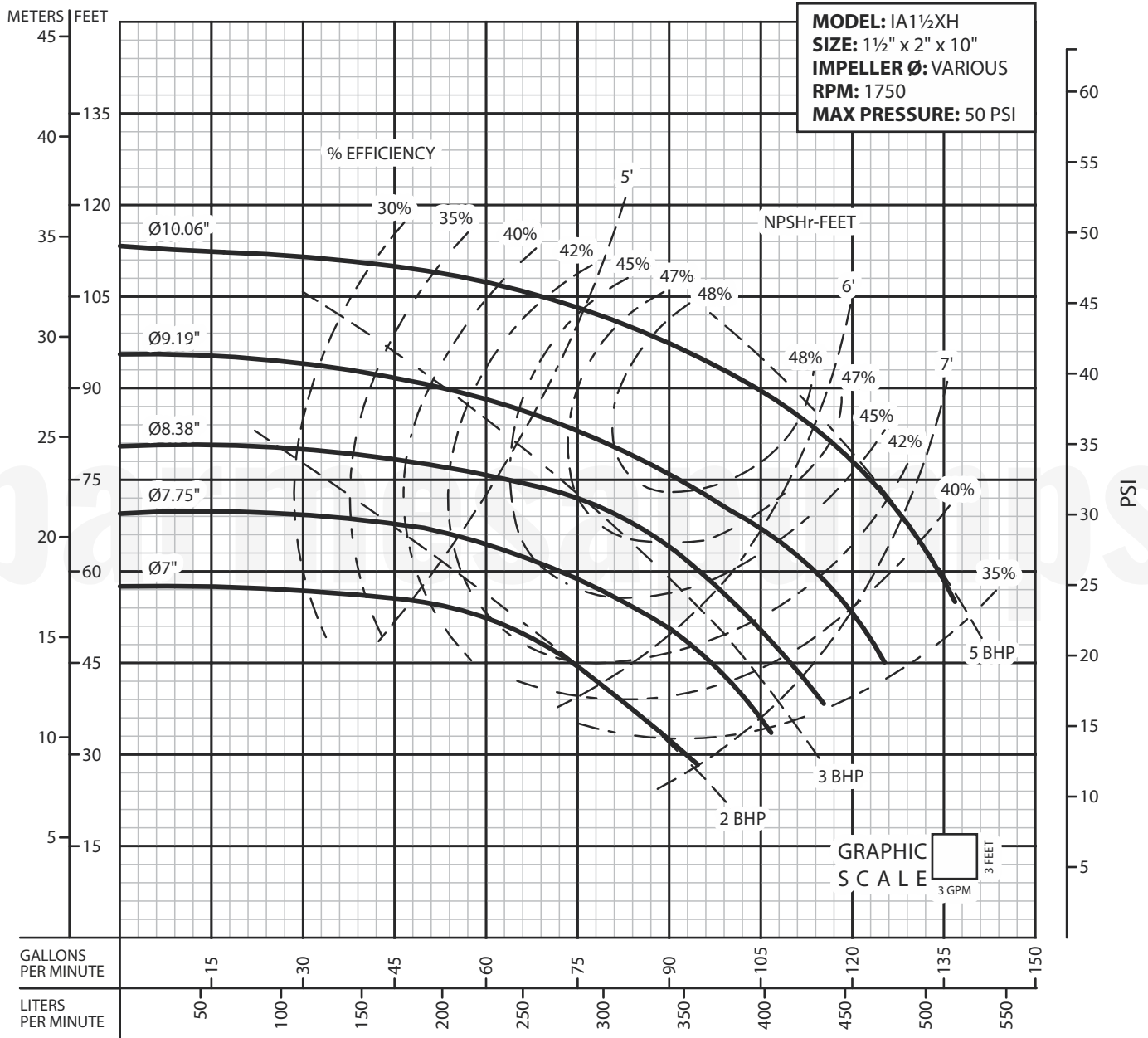
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MODEL: IA1½XH

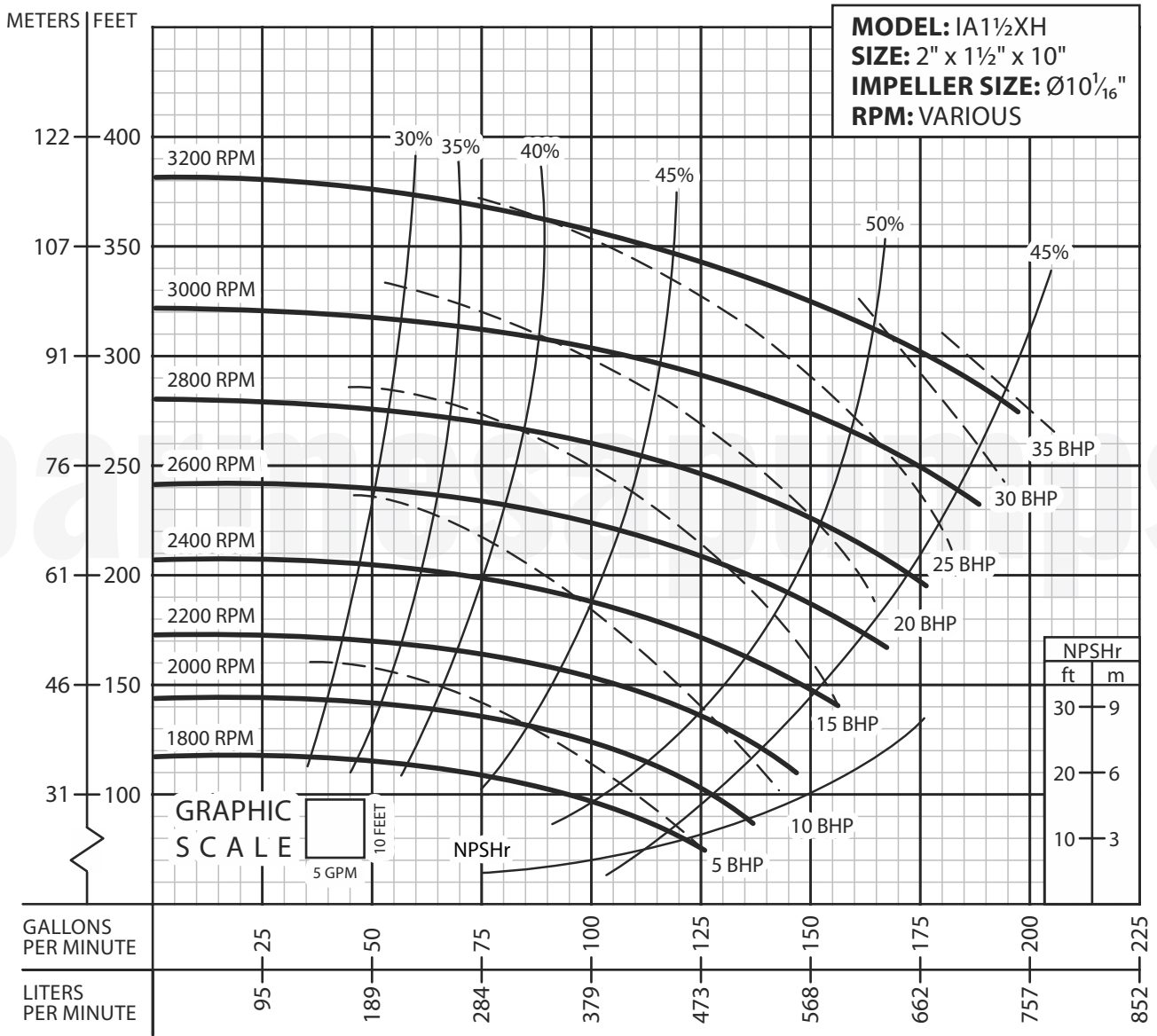
RPM: 1750

PERFORMANCE CURVES



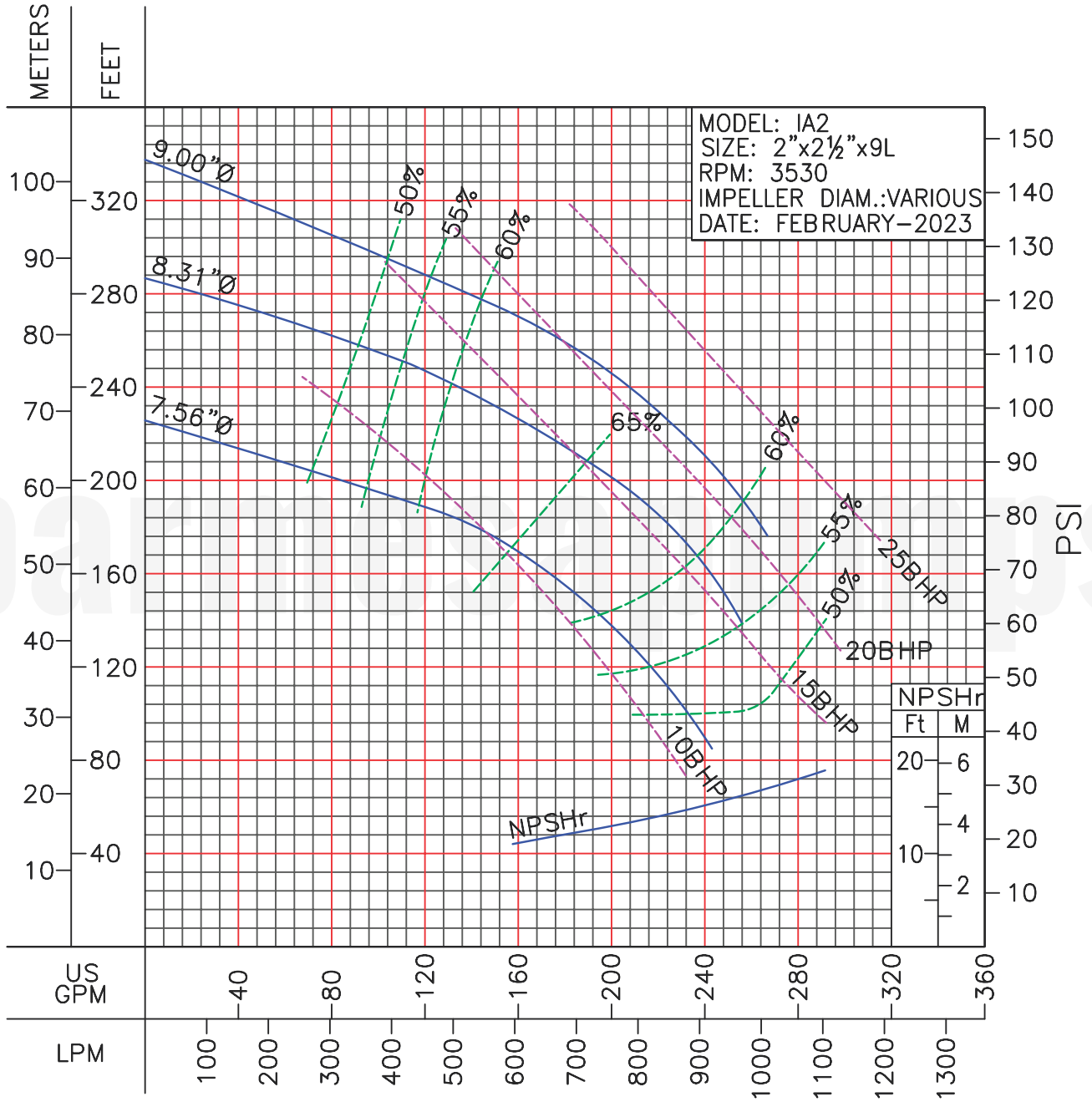
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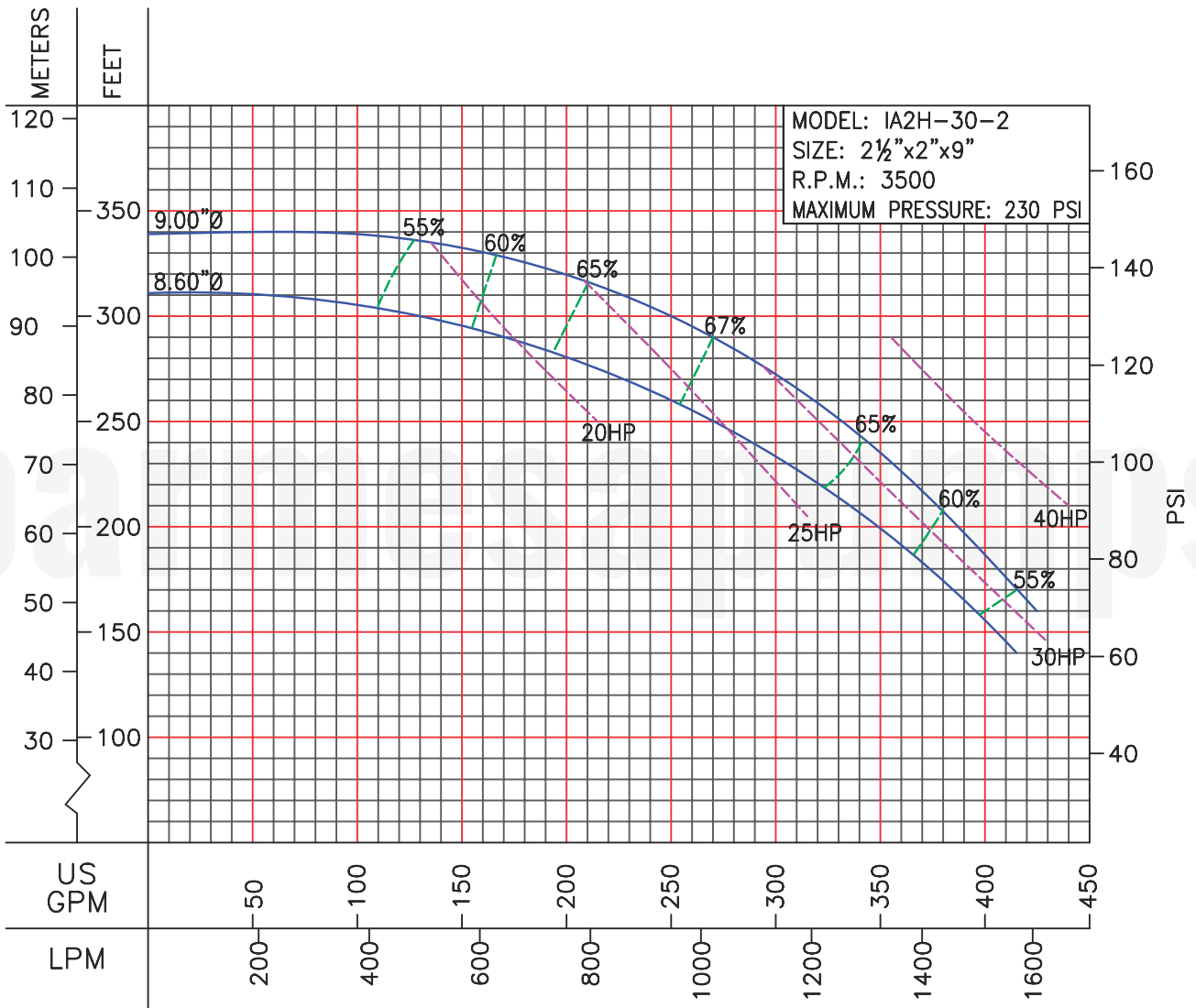
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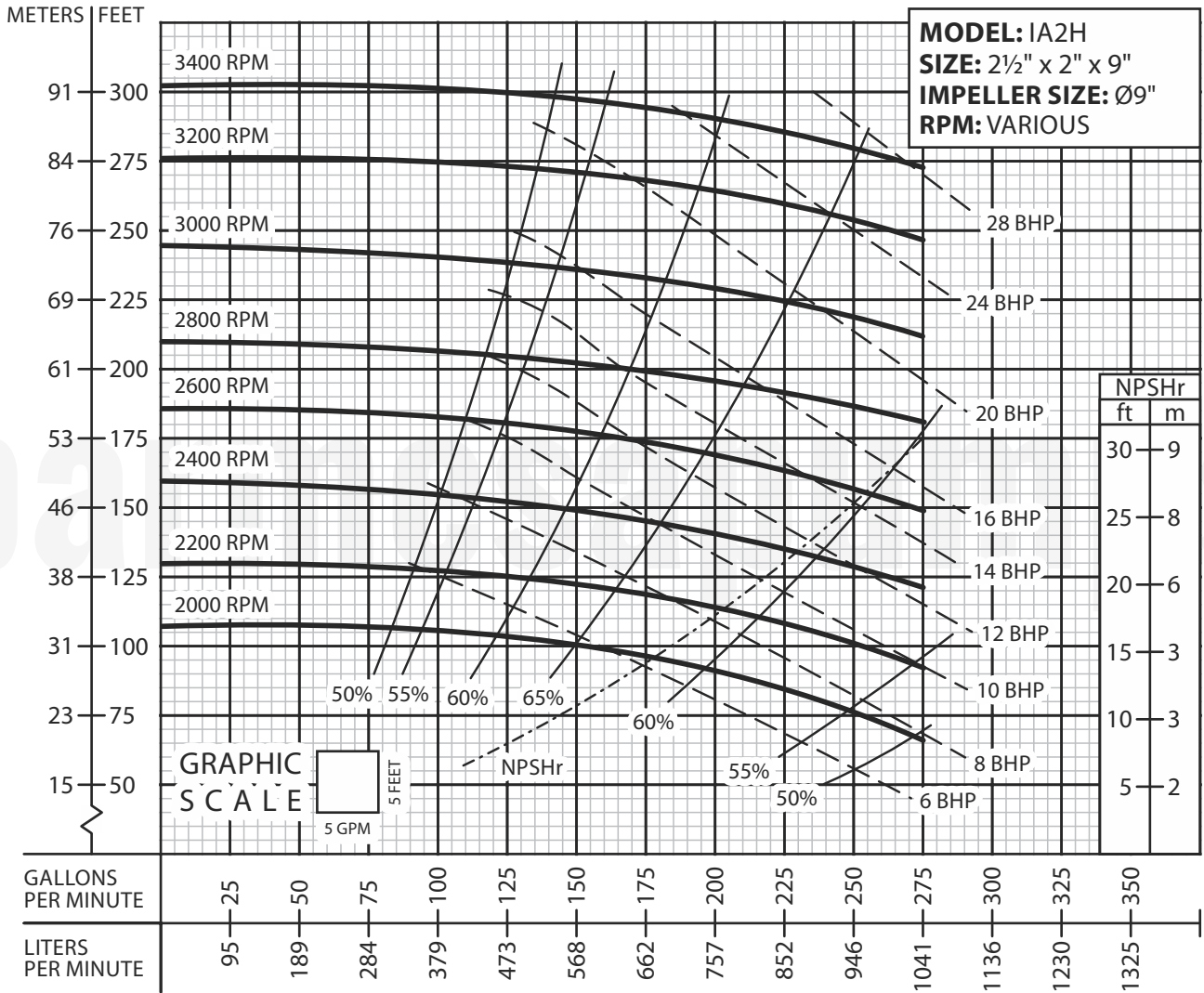
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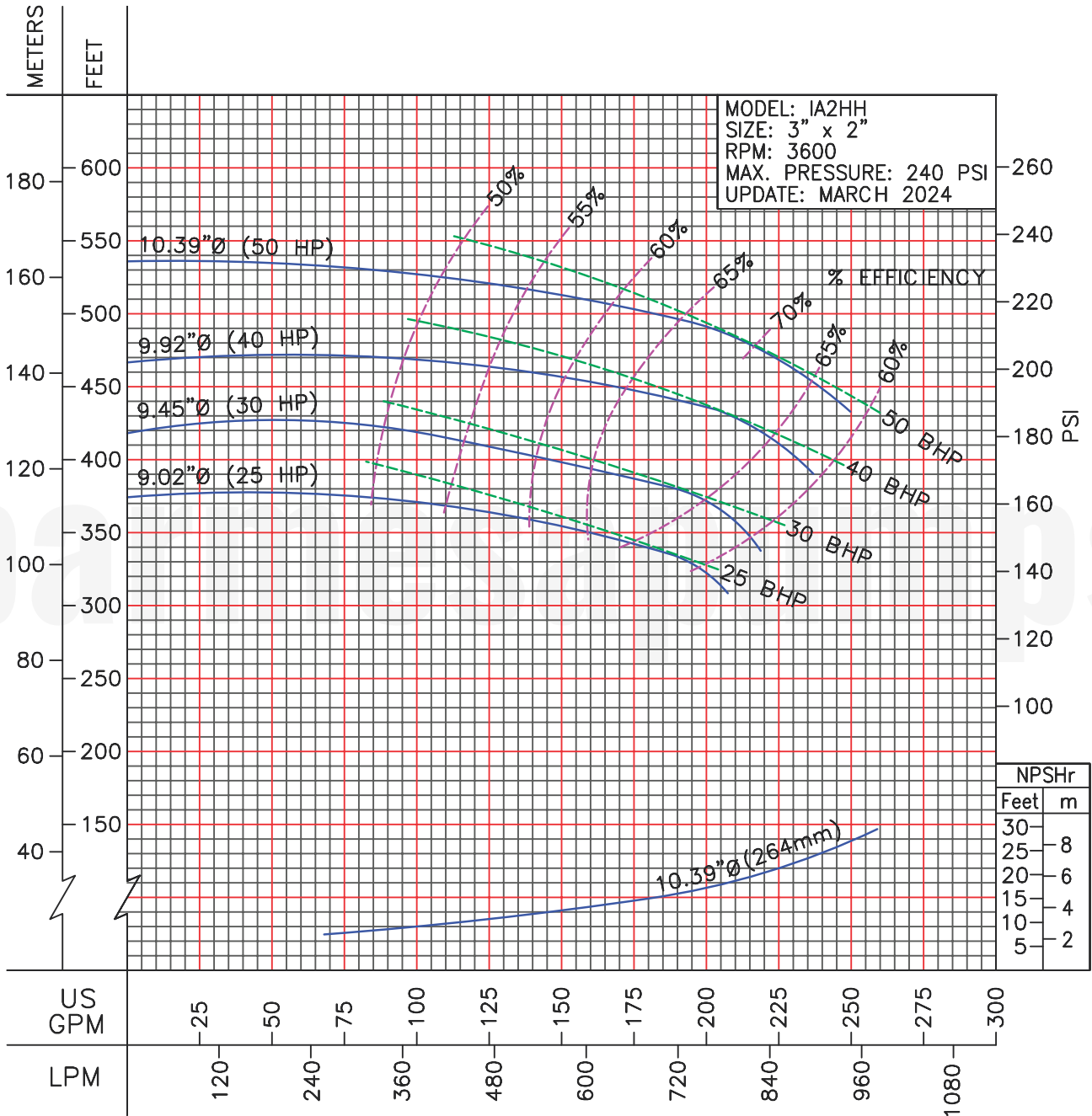
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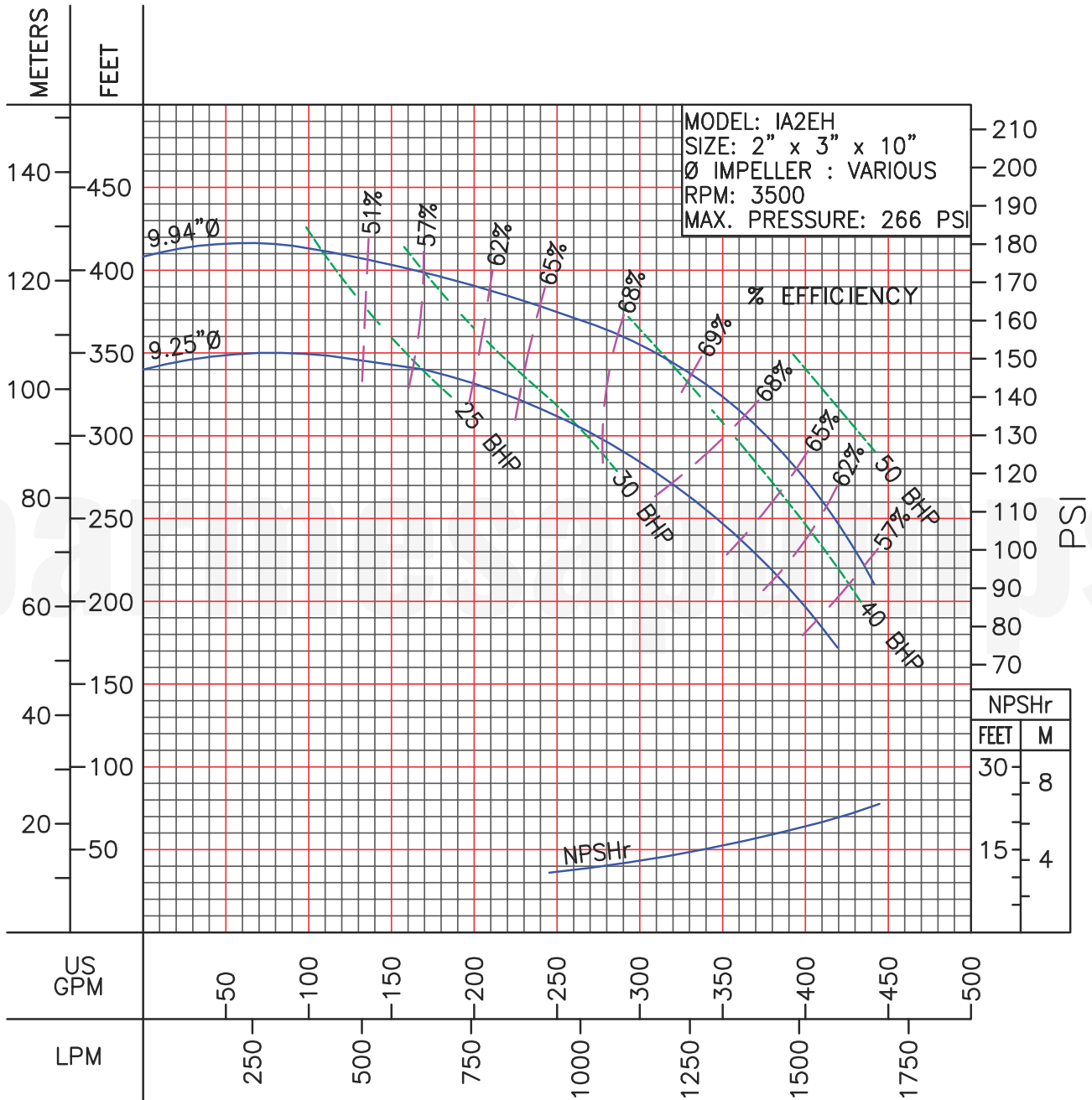
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PERFORMANCE CURVES



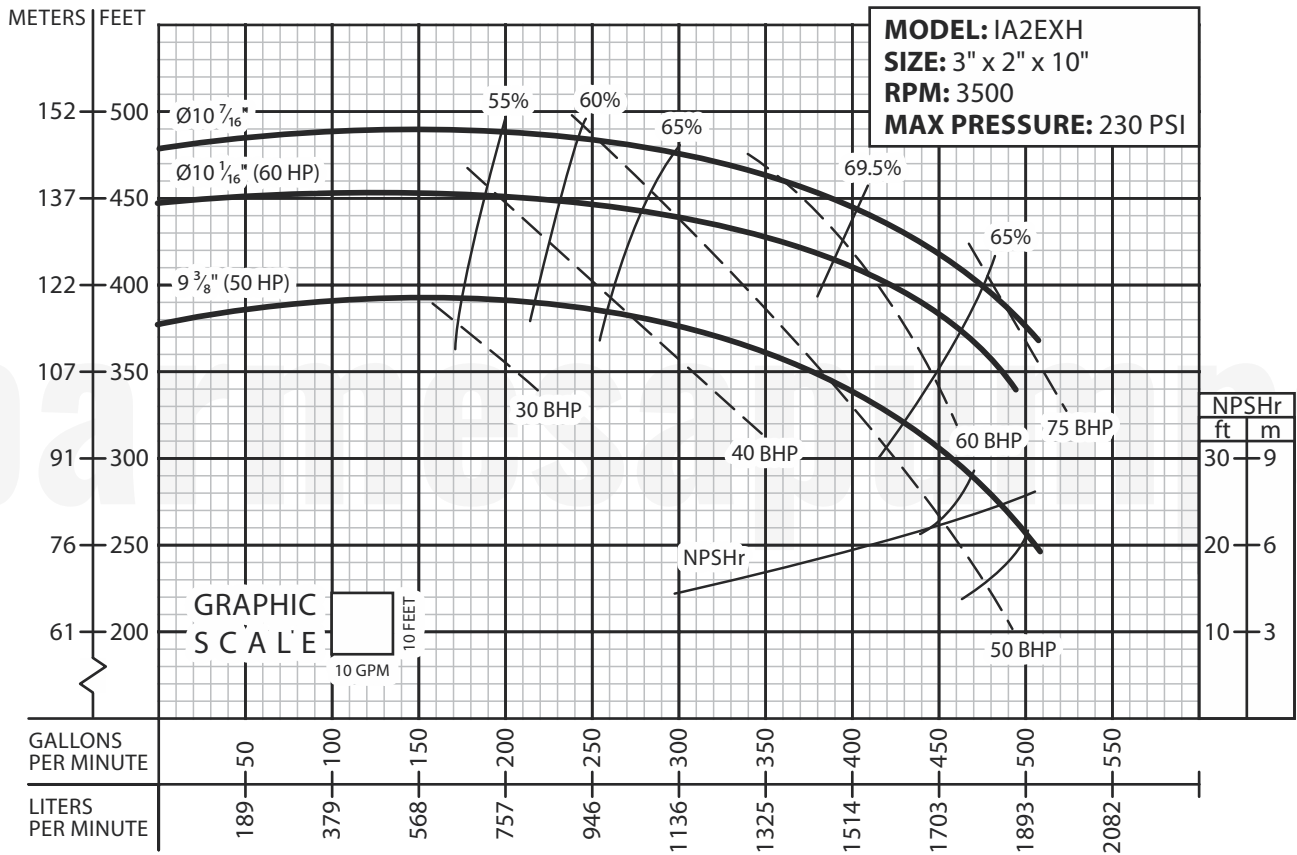
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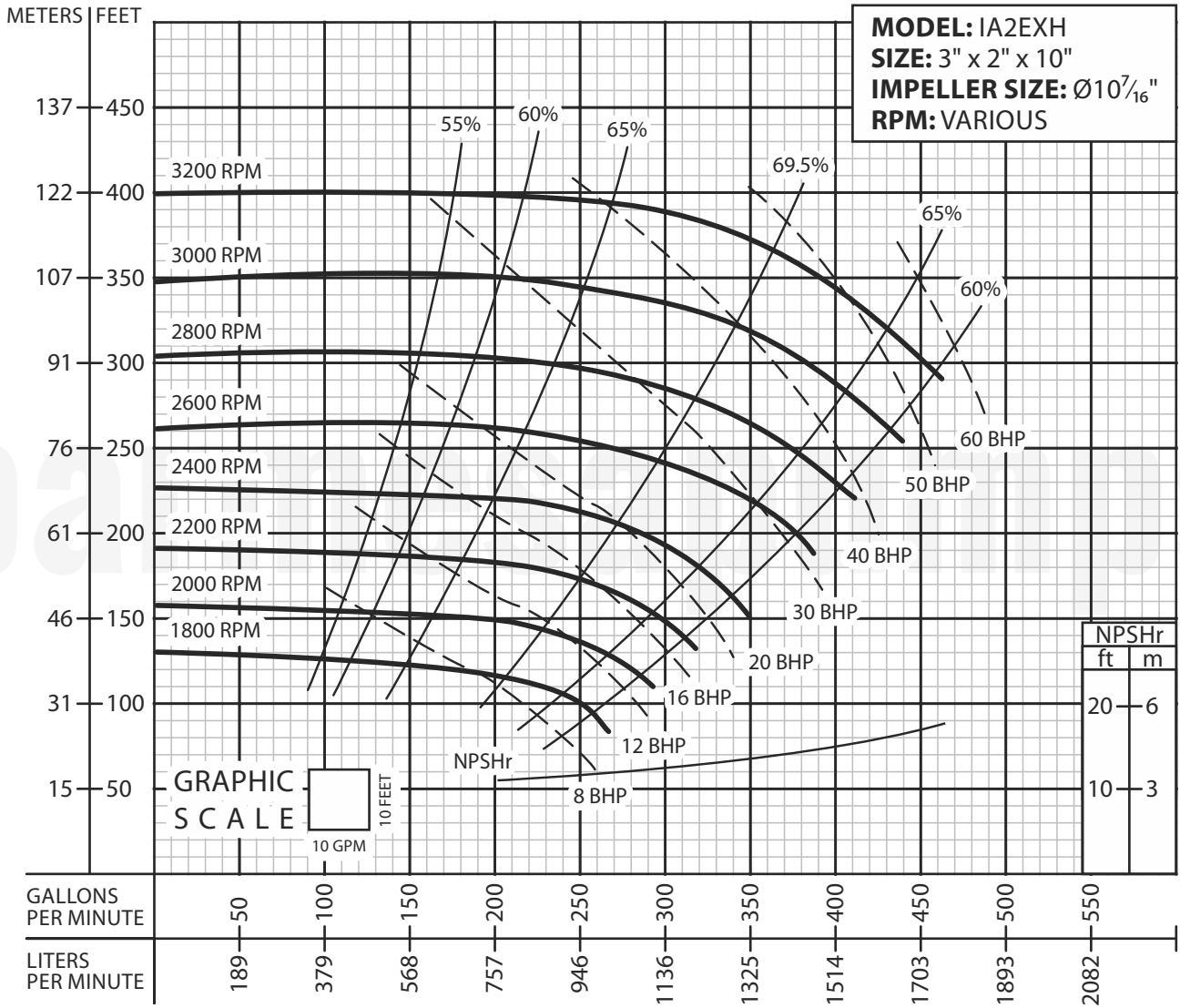


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MODEL: **IA2EXH**  
RPM: VARIOUS

PERFORMANCE CURVES



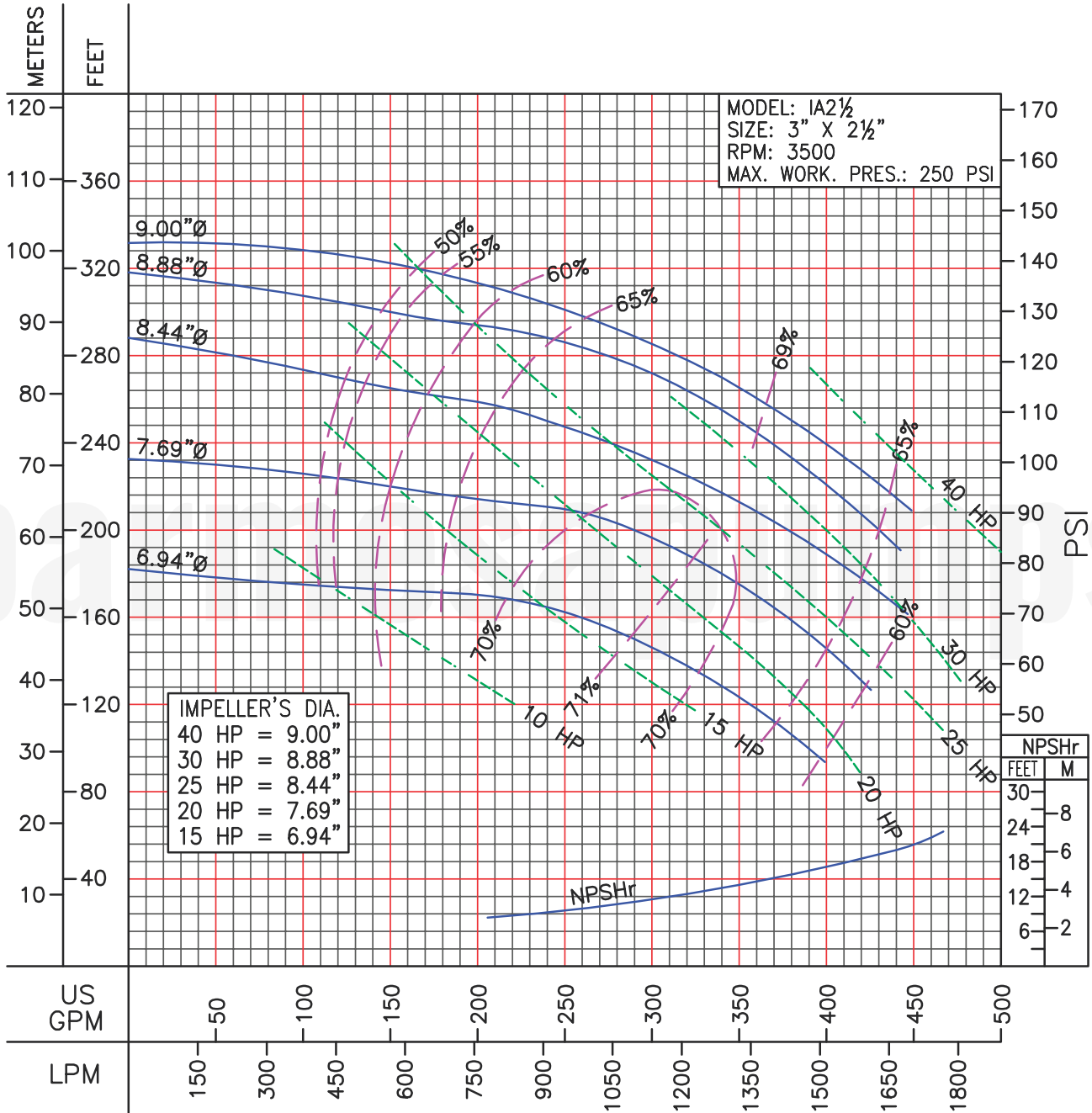
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MODEL: IA2½

RPM: 3500

PERFORMANCE CURVES



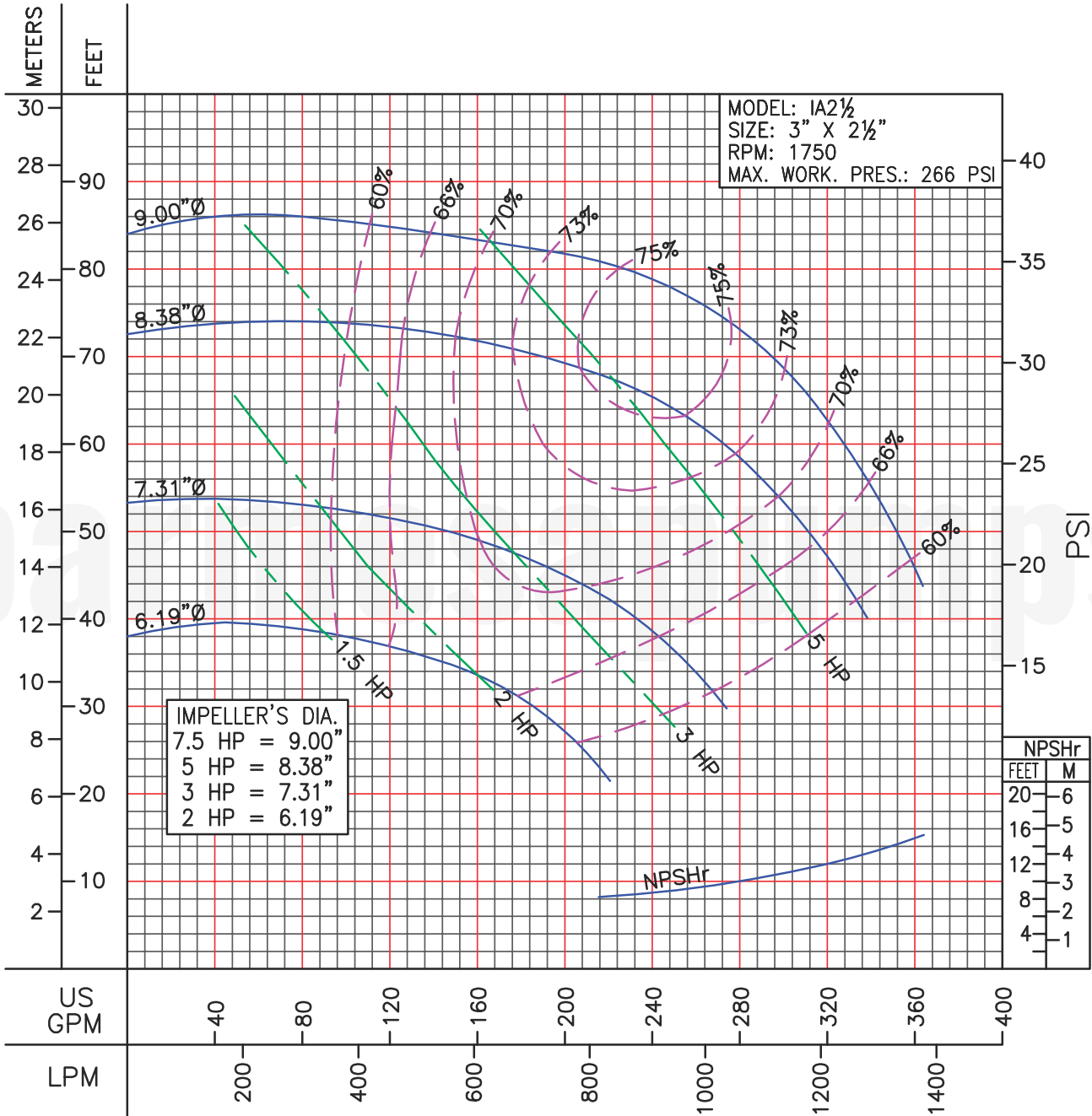
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MODEL: IA2½

RPM: 1750

PERFORMANCE CURVES

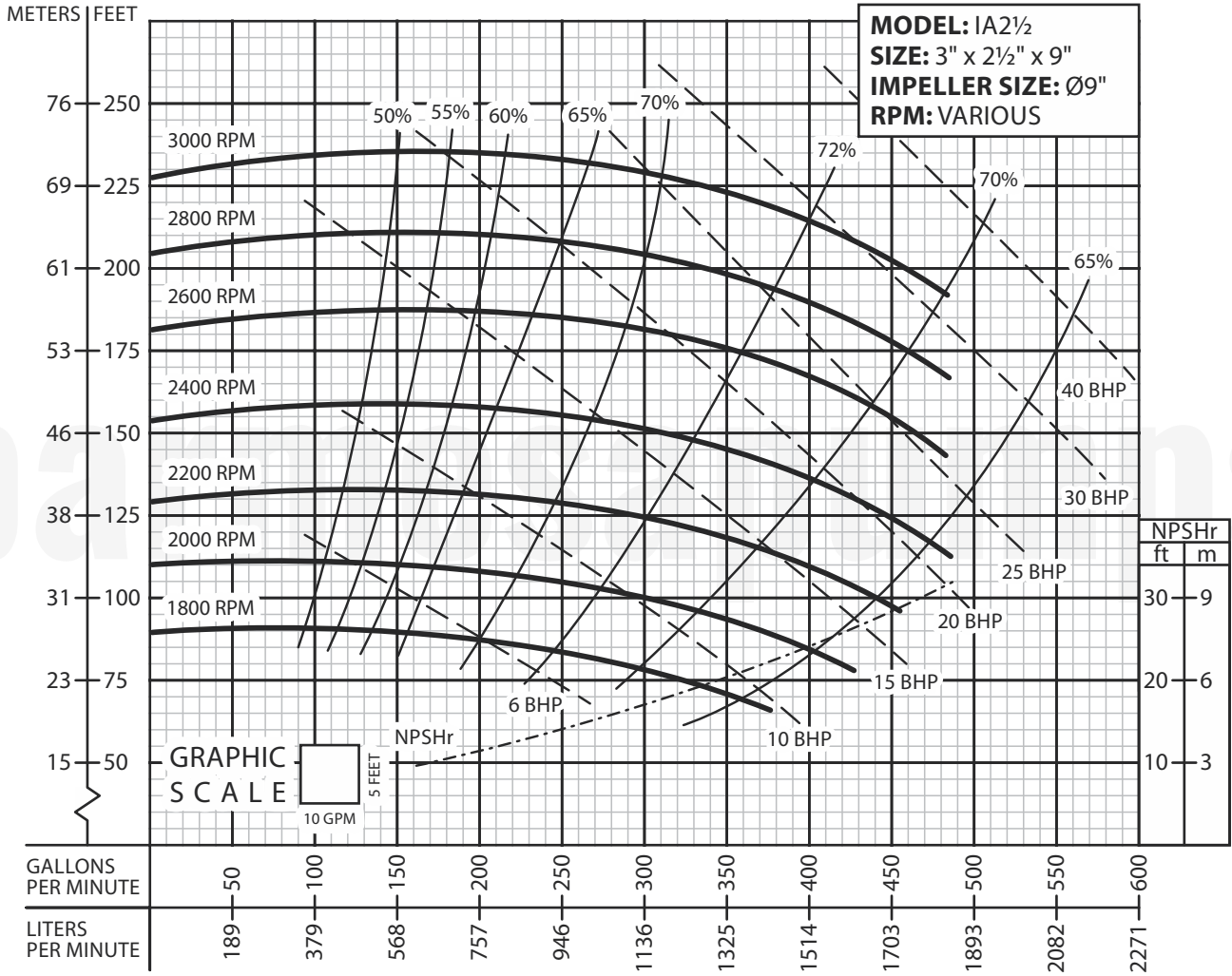


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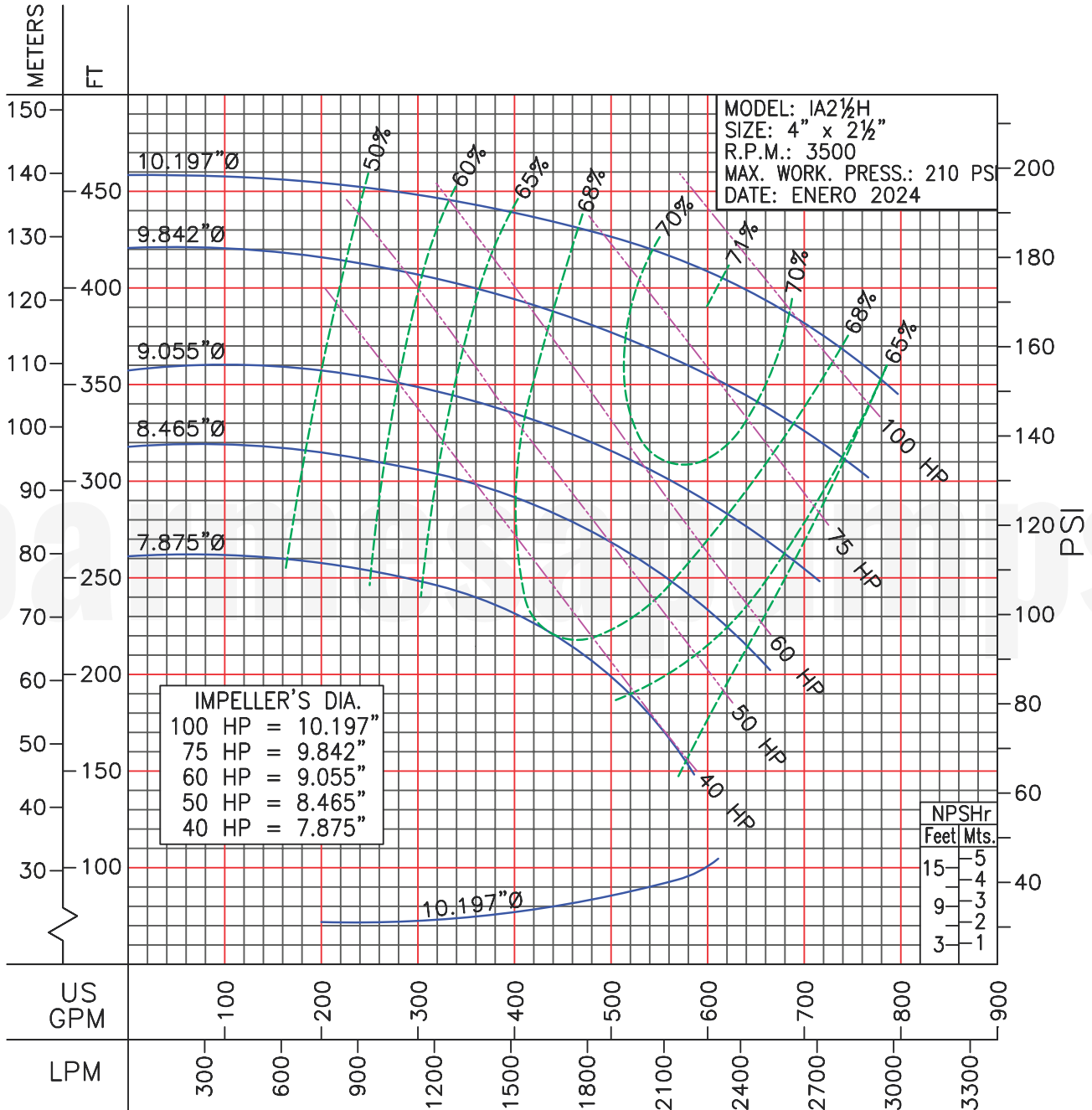
MODEL: IA2½  
RPM: VARIOUS

PERFORMANCE CURVES



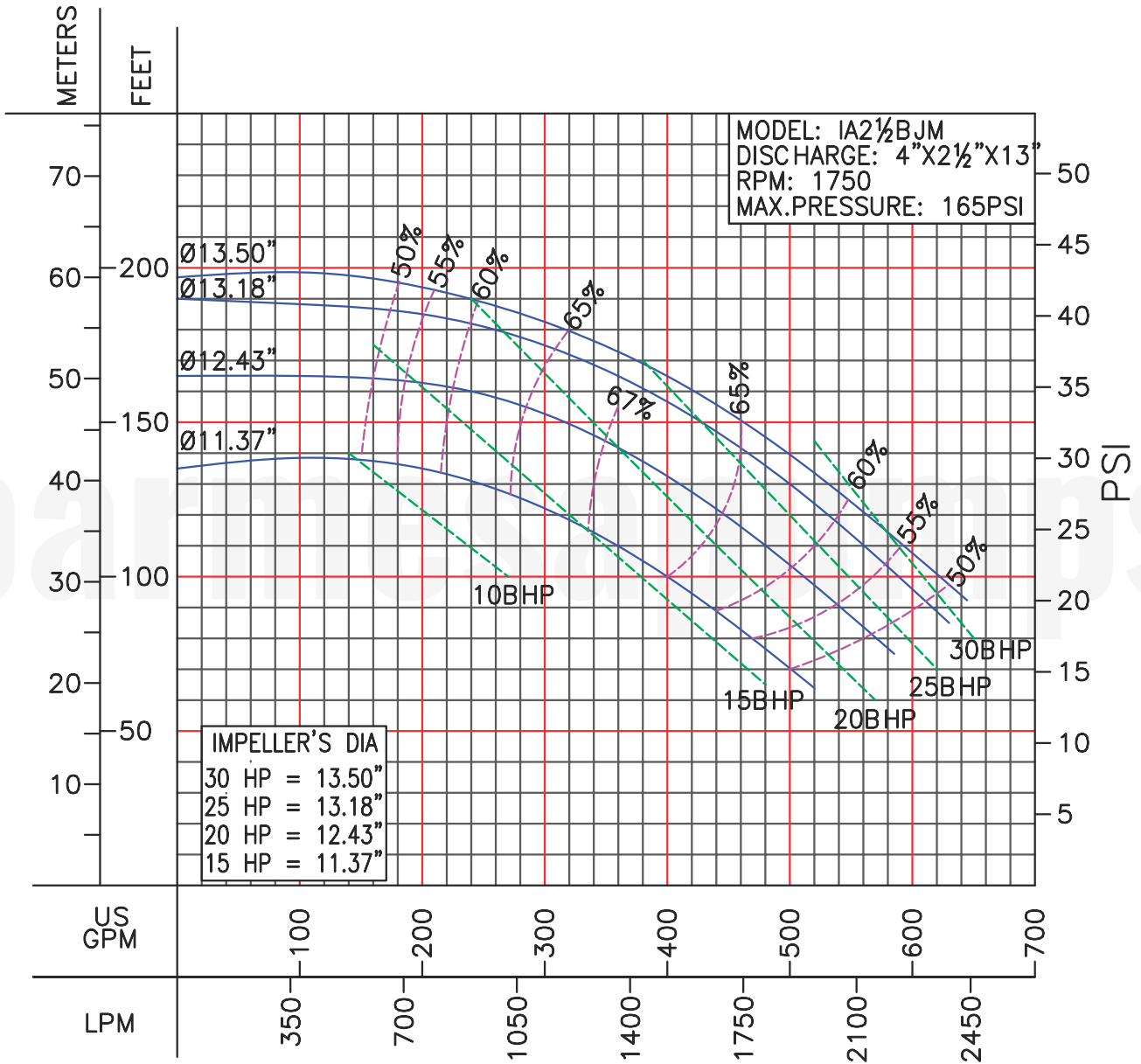
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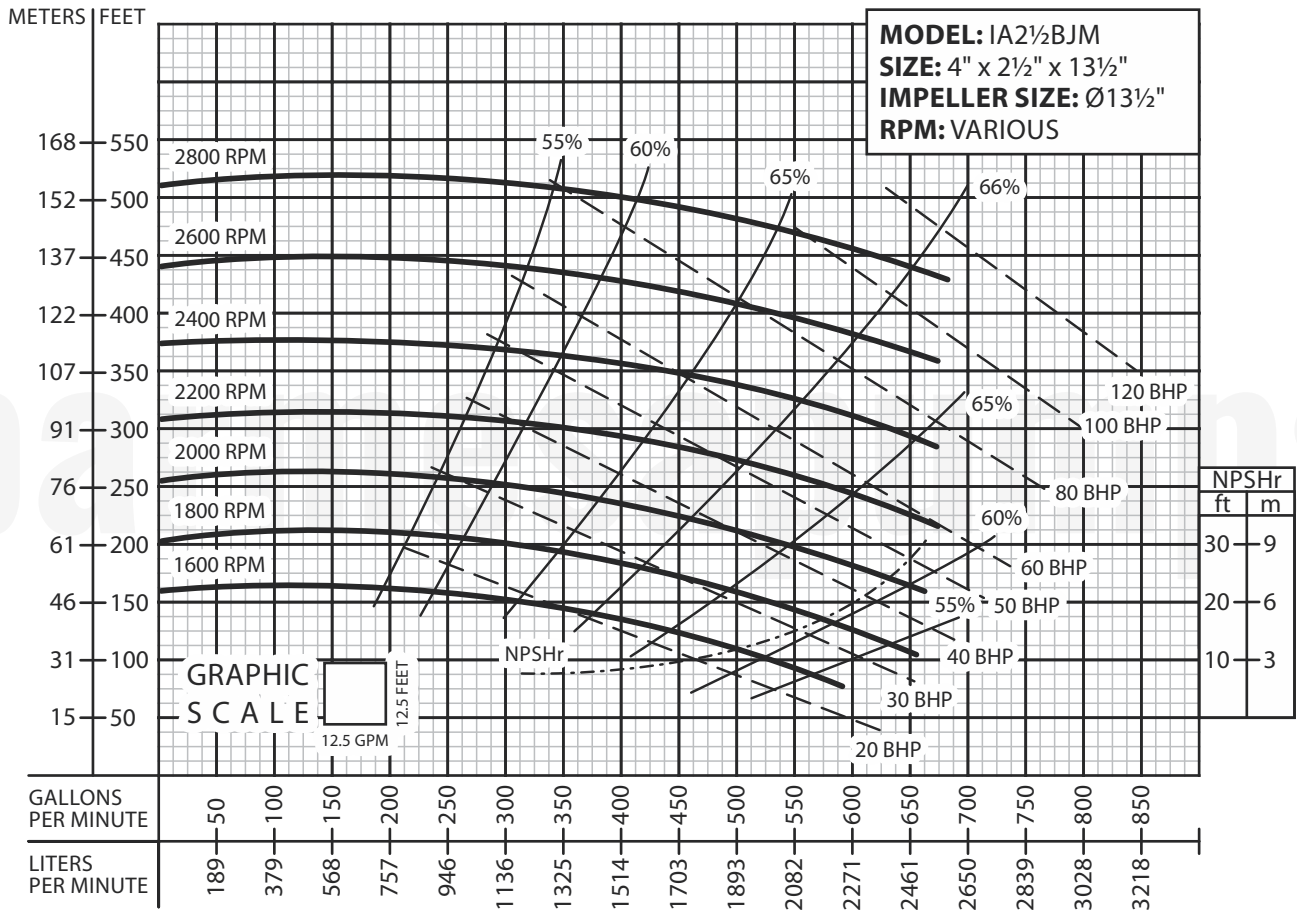


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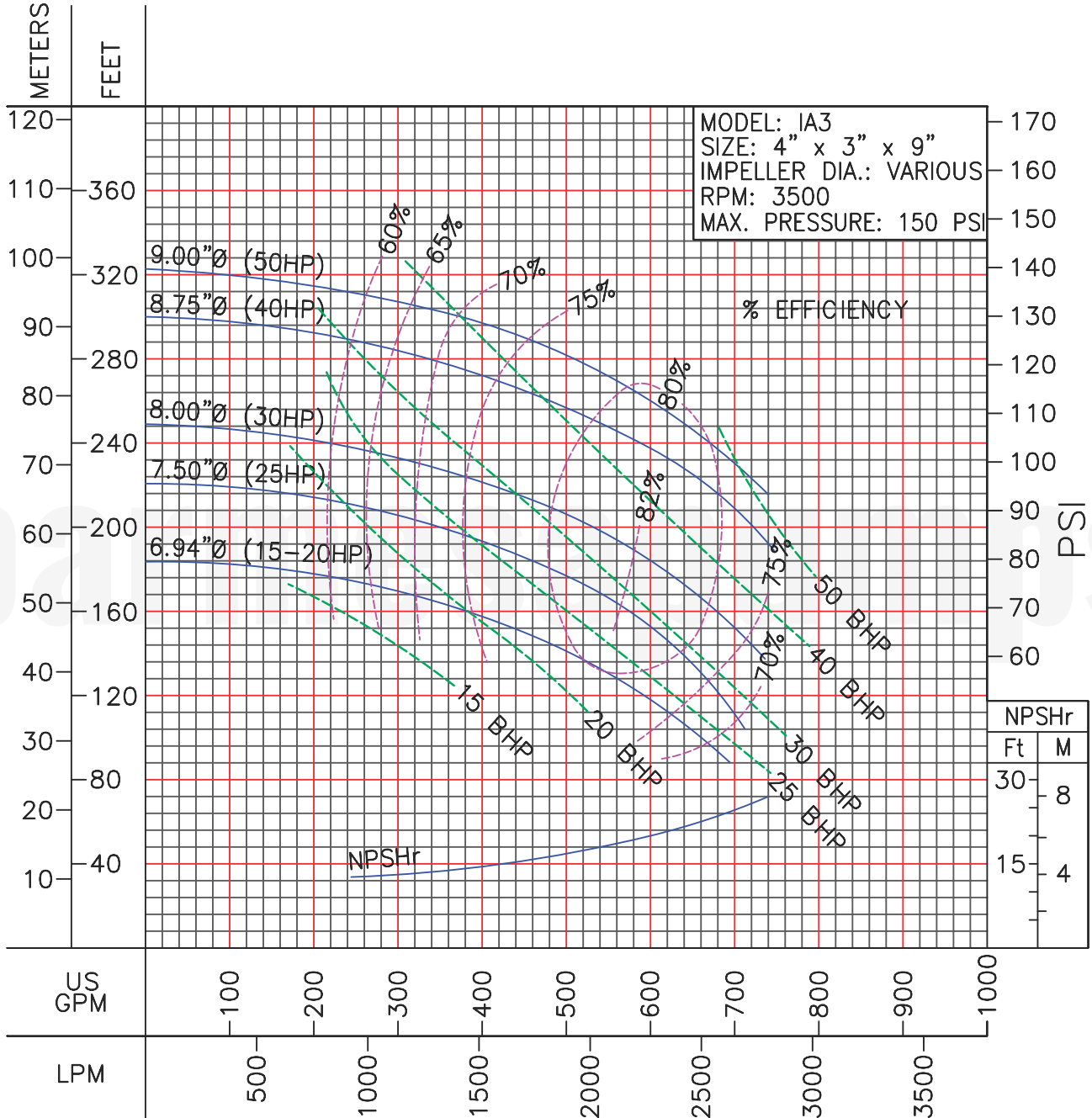
MODEL: **IA2½BJM**  
RPM: VARIOUS

PERFORMANCE CURVES



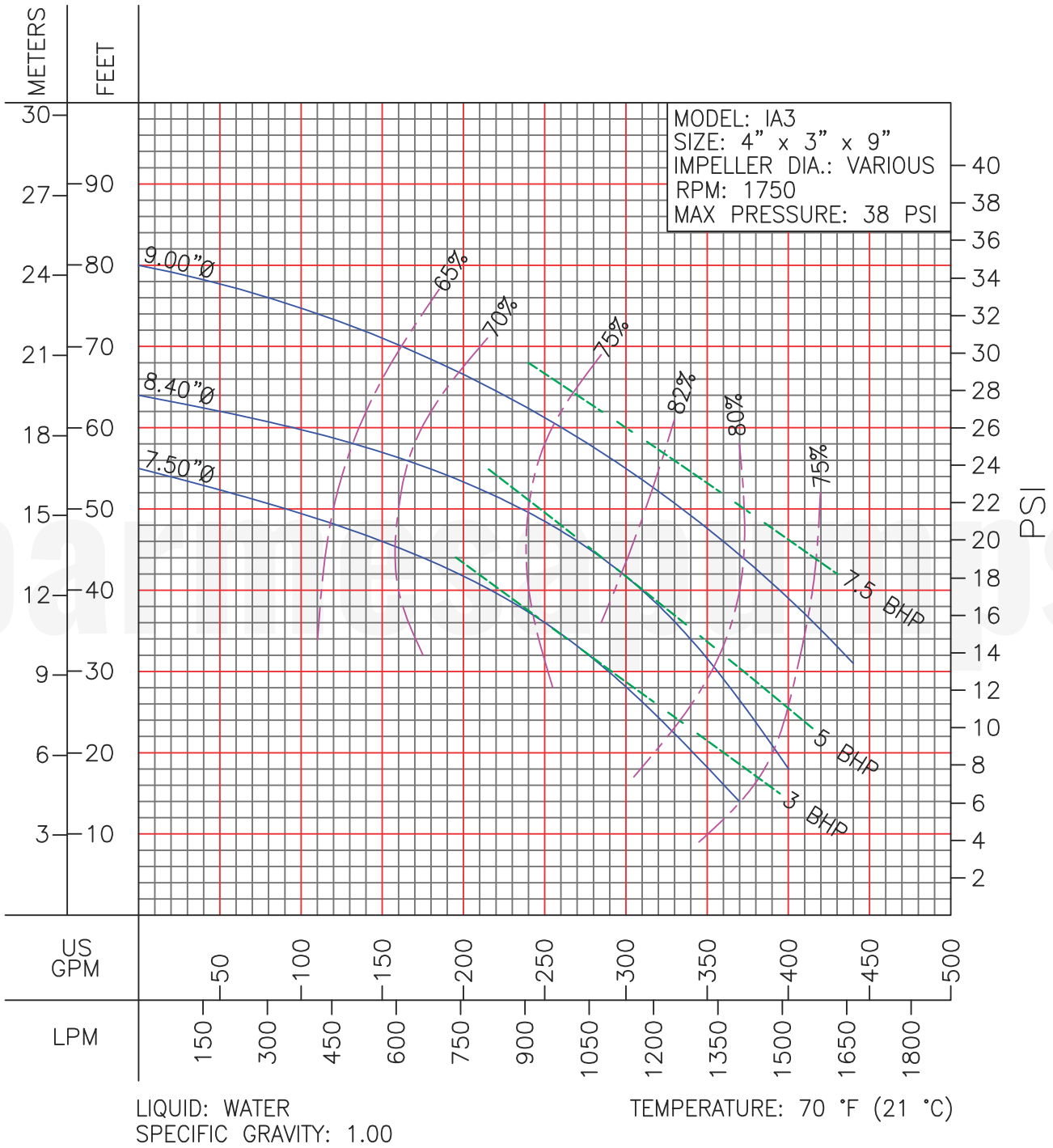
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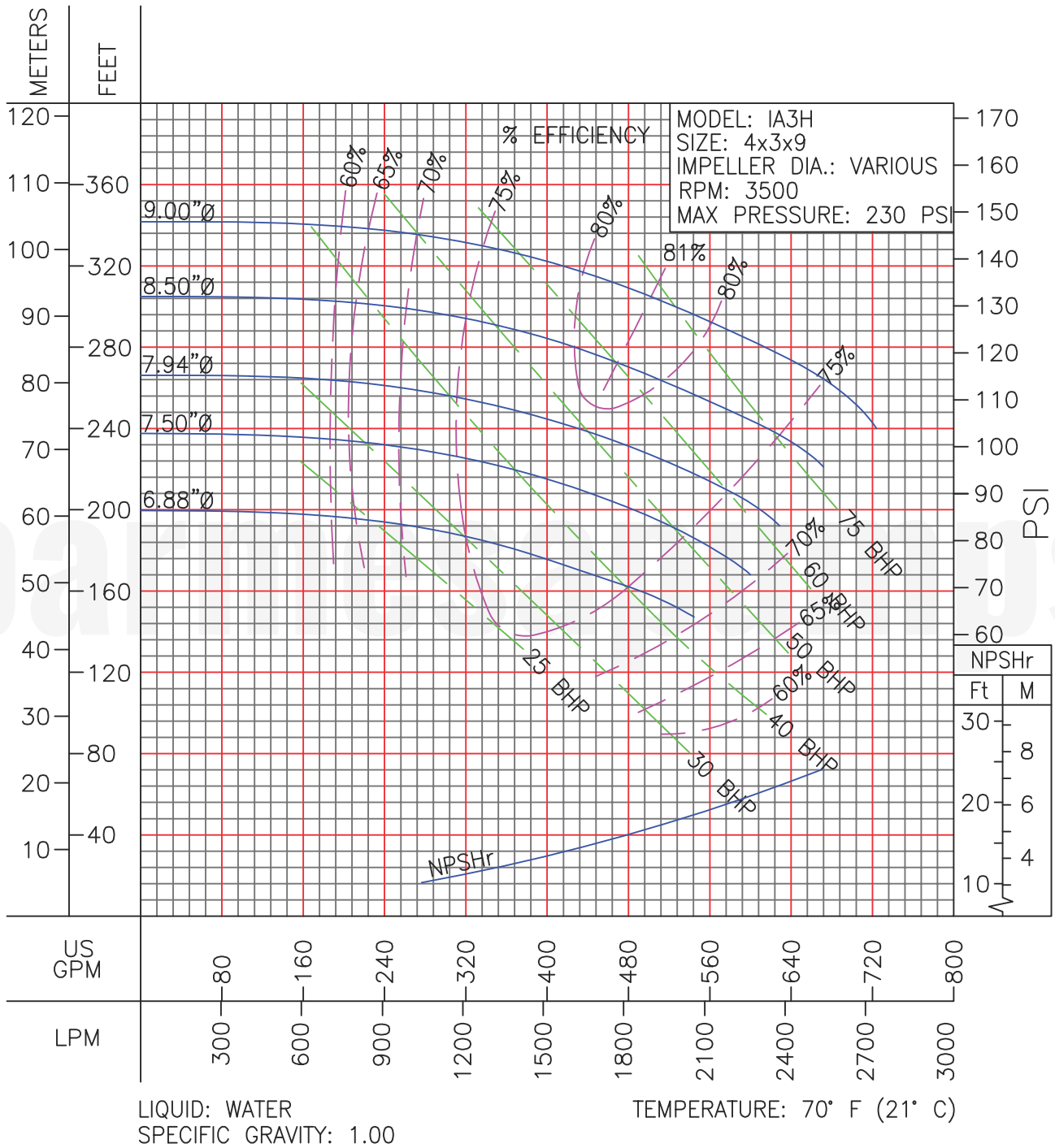
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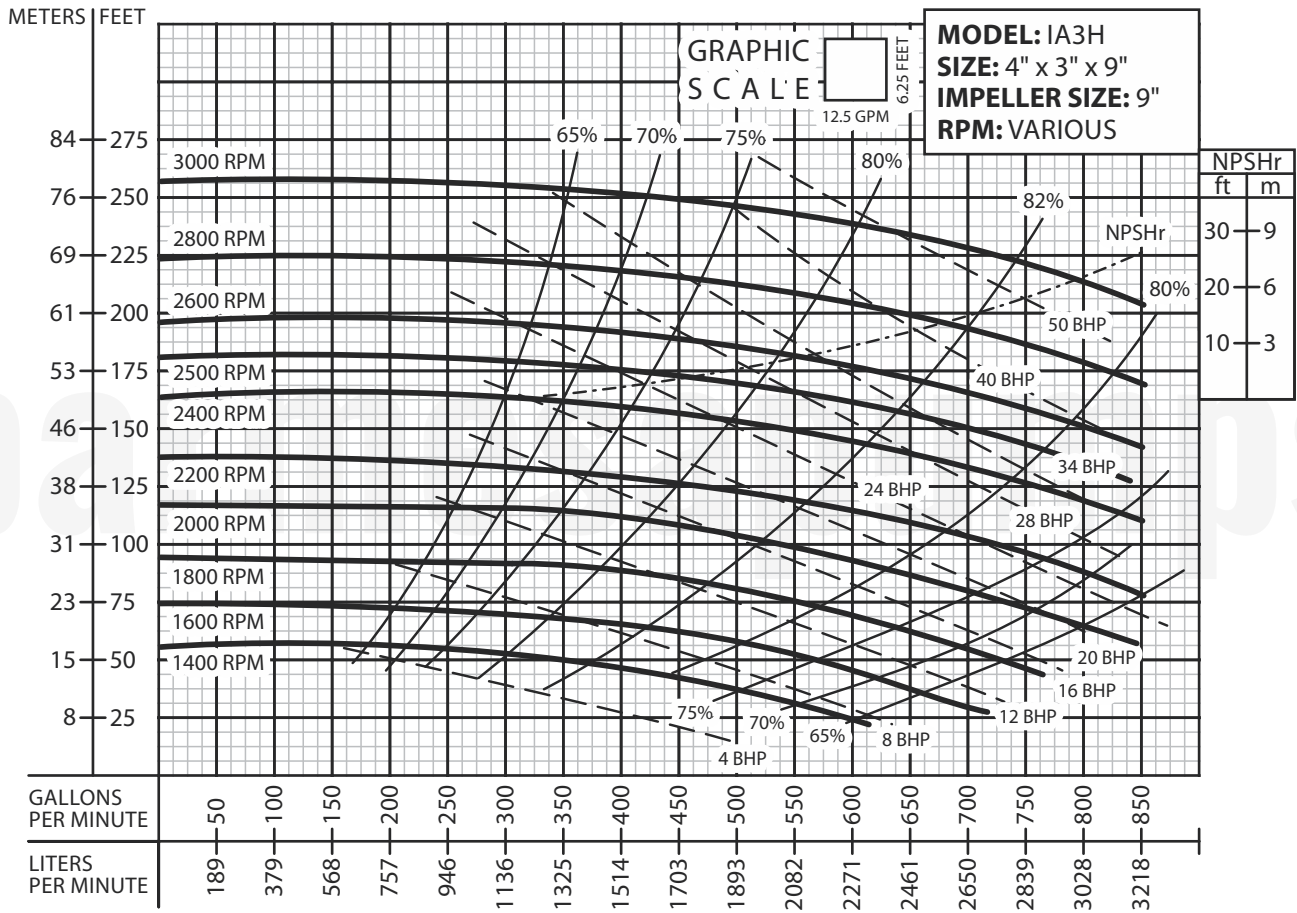
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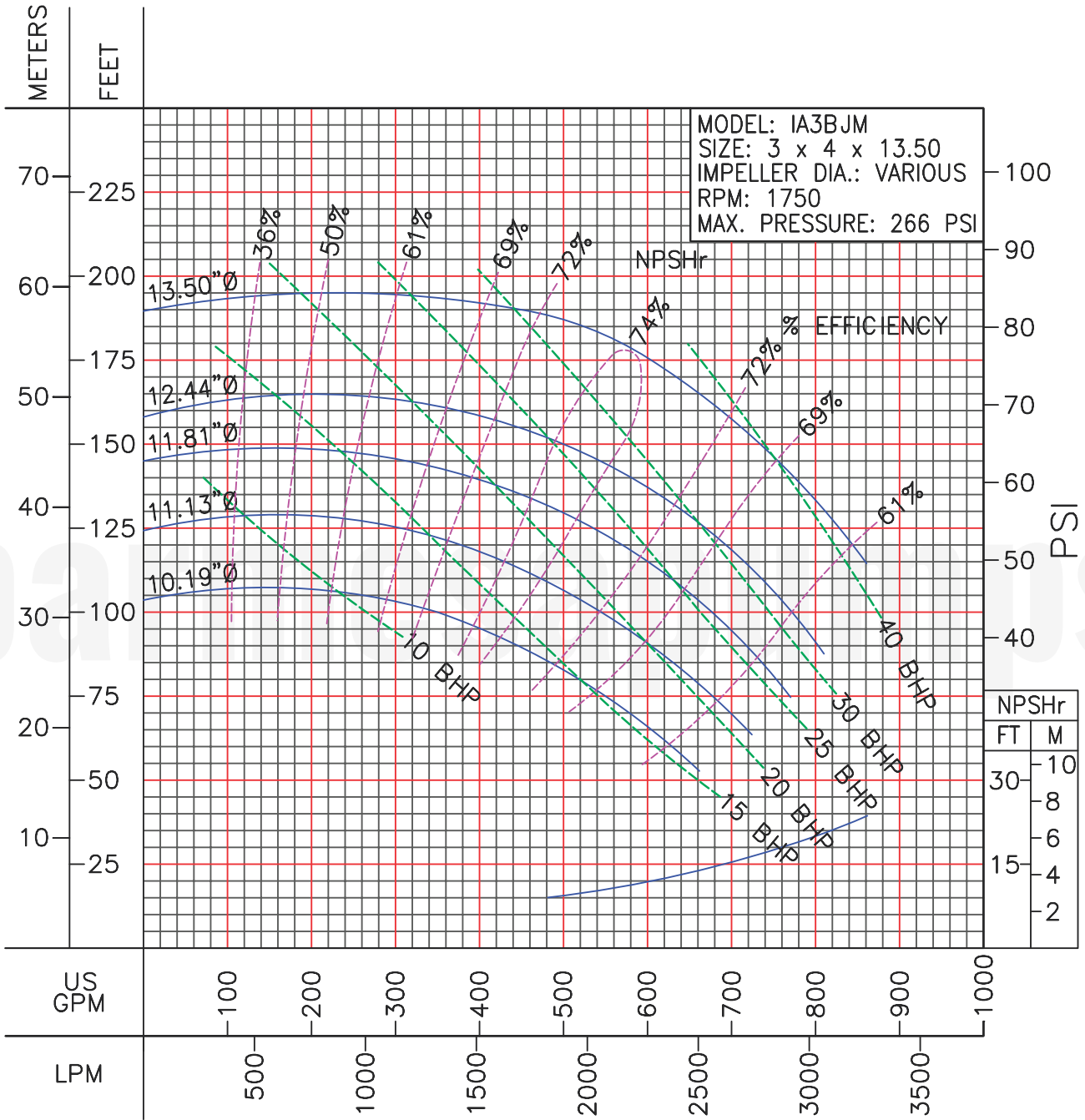
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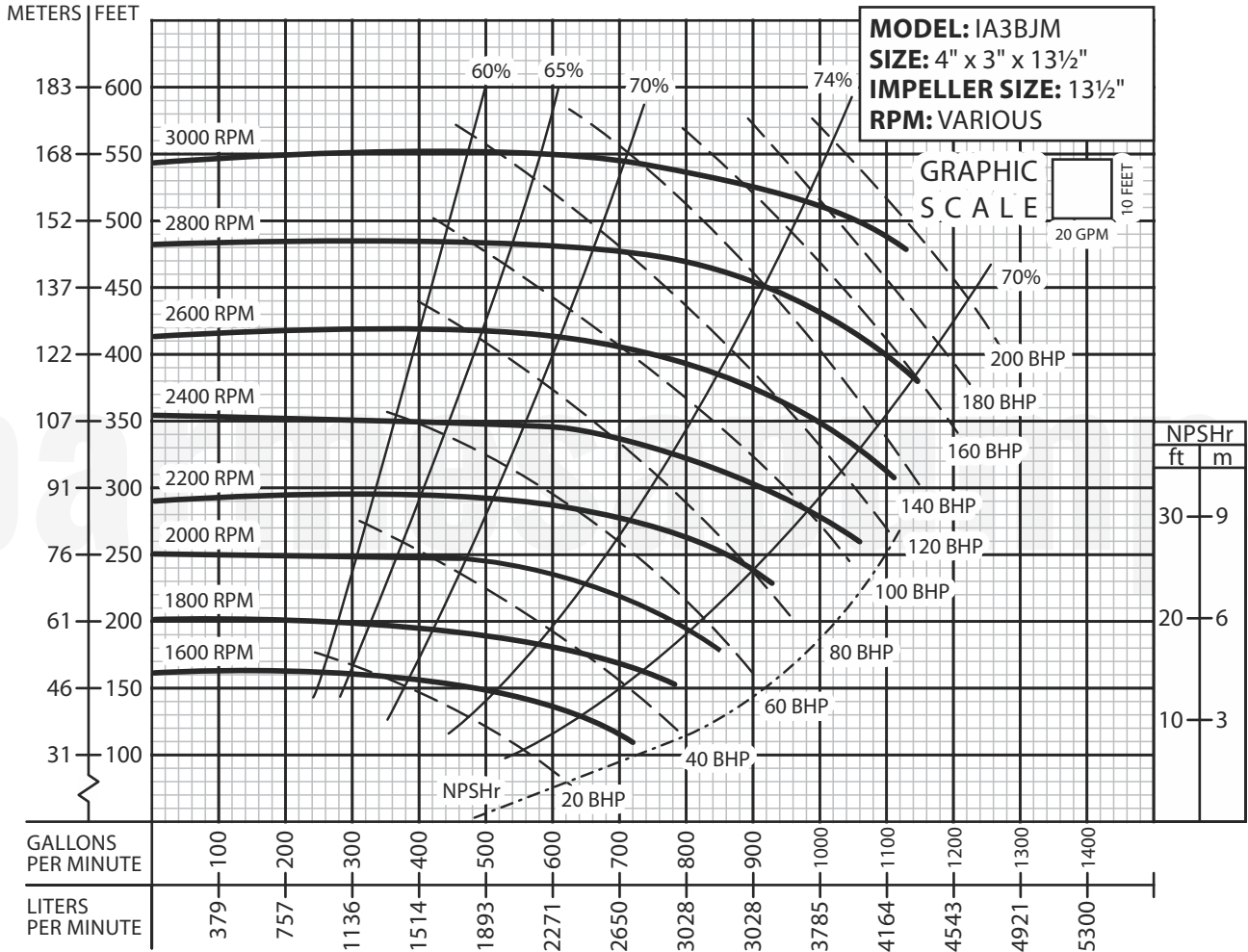


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 SPECIFIC GRAVITY: 1.00

TEMPERATURE: 70 °F (21 °C)

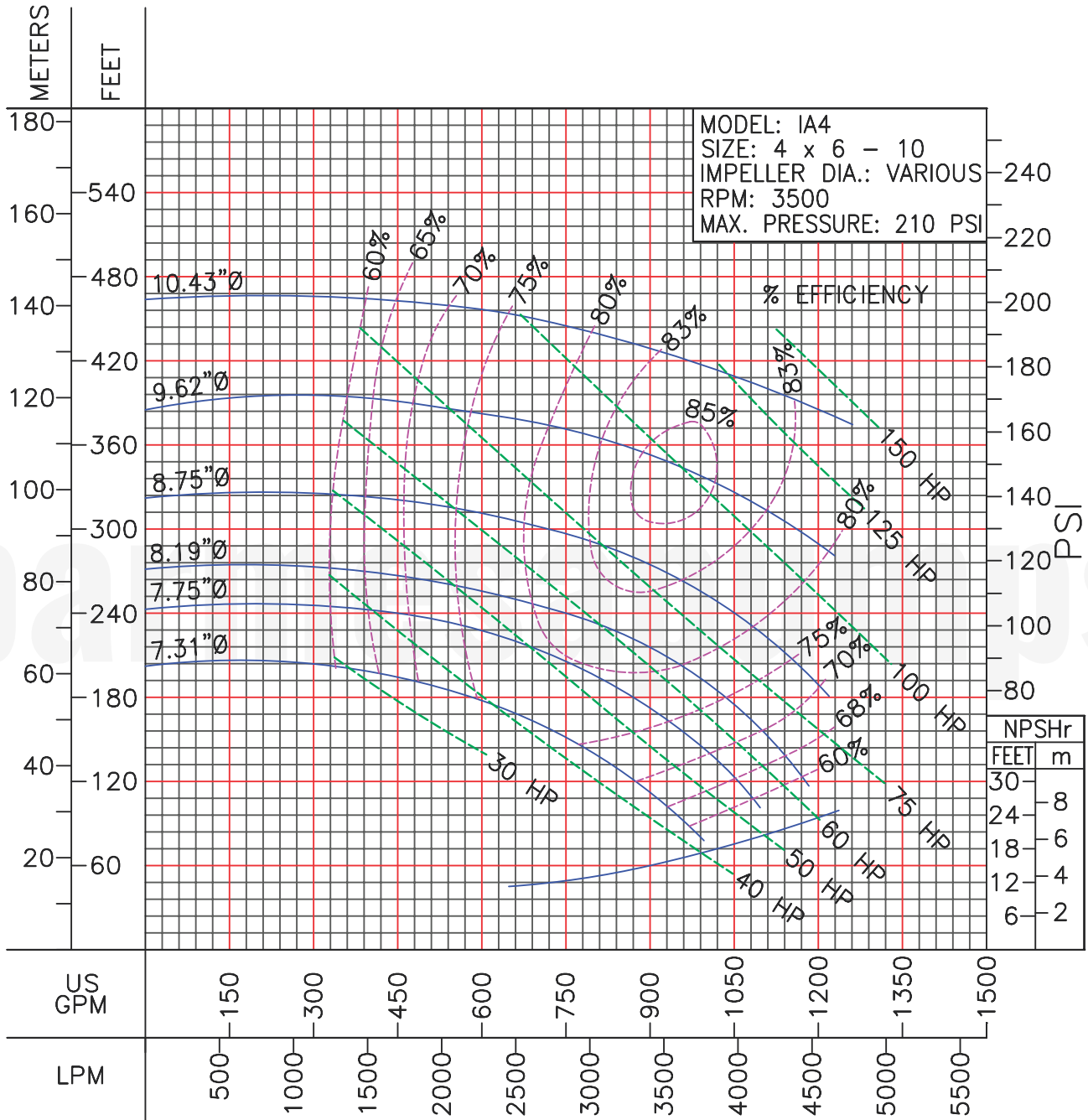
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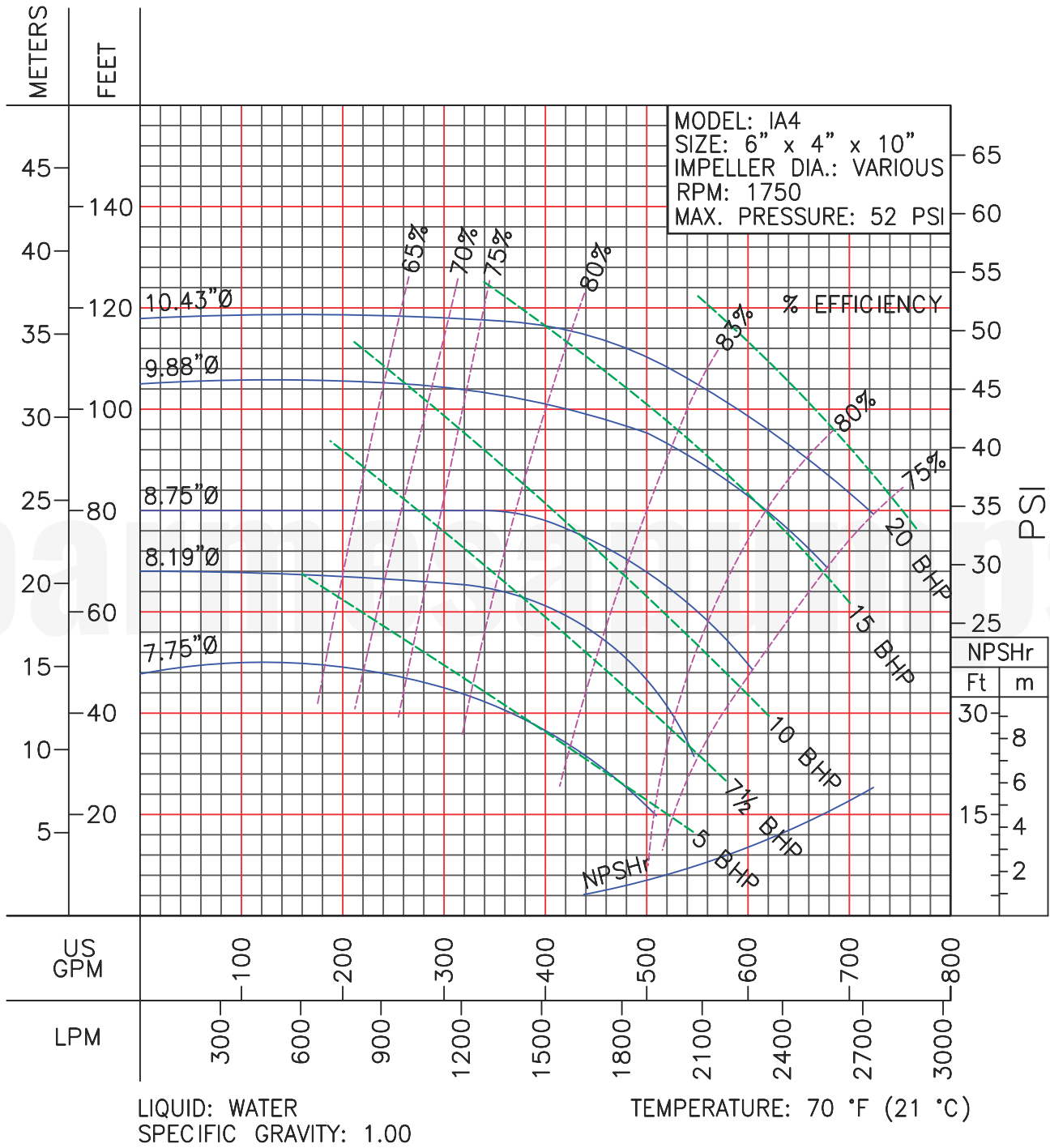
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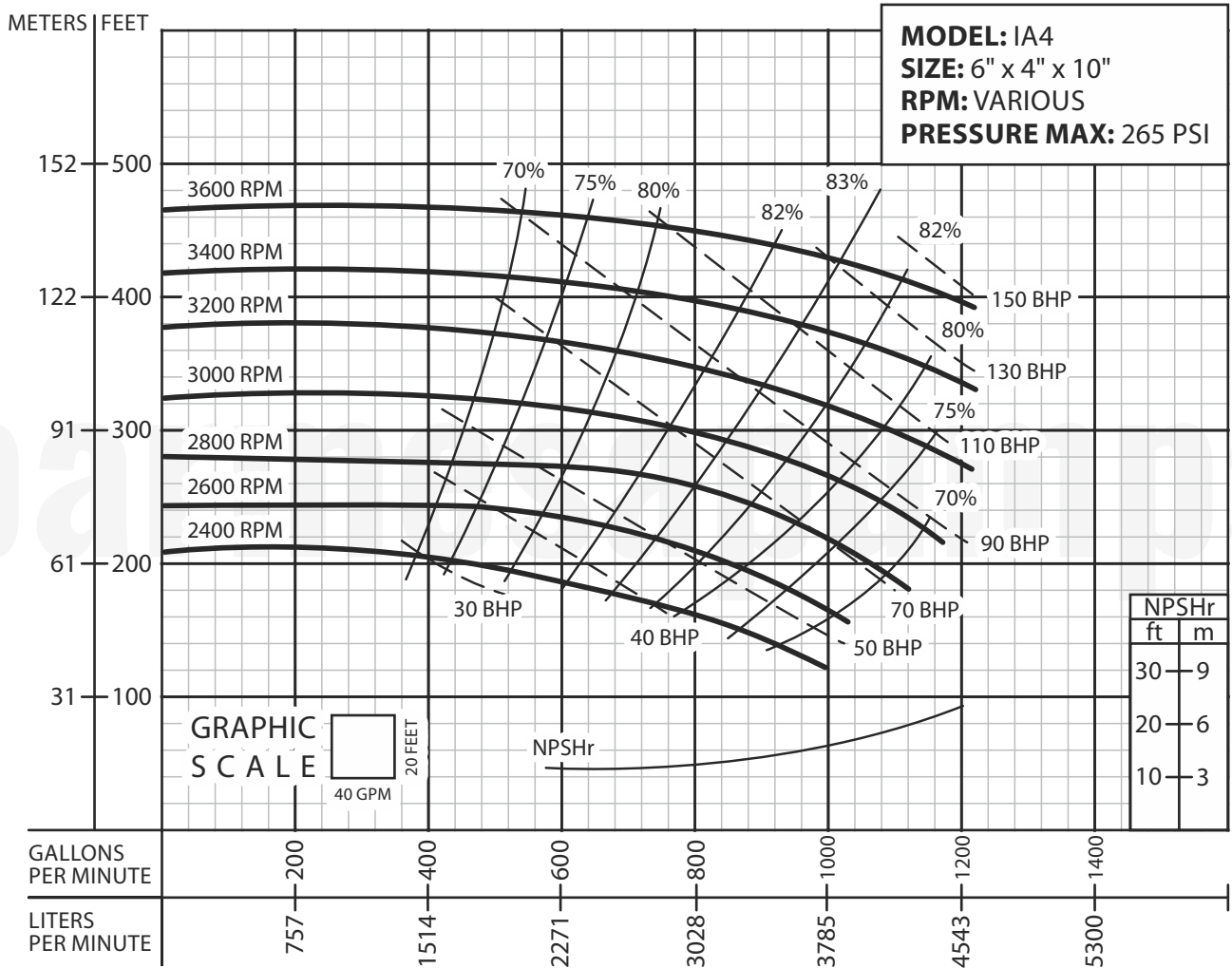
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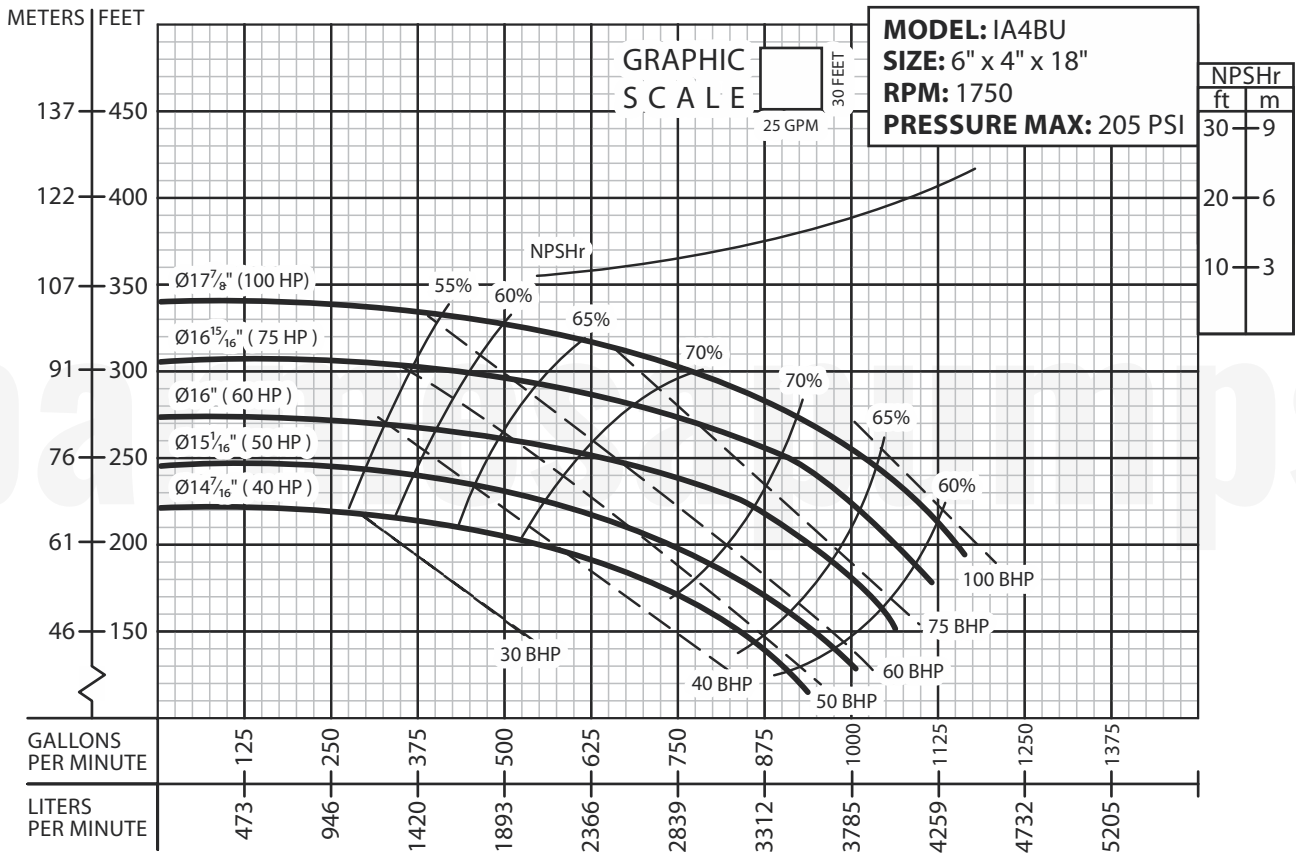
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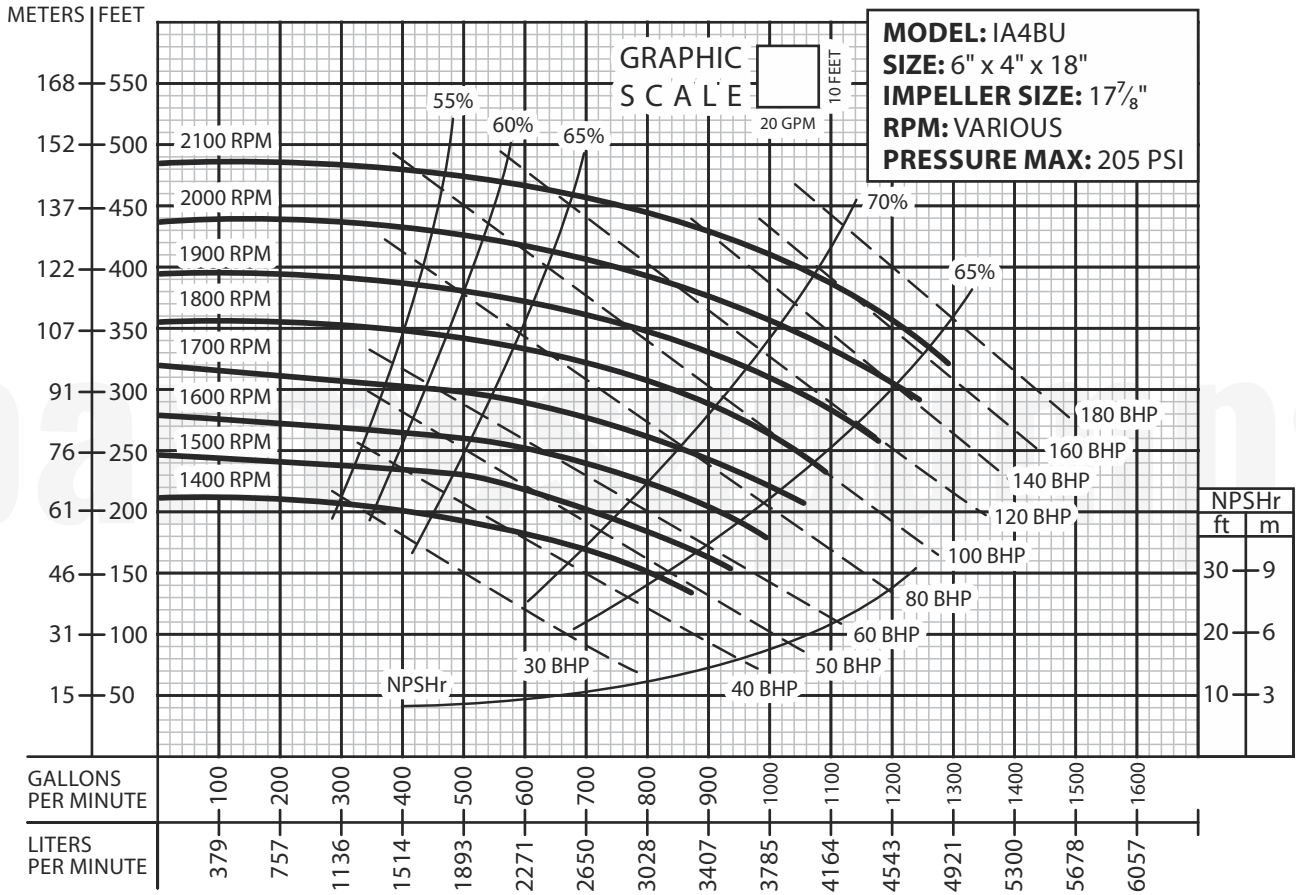
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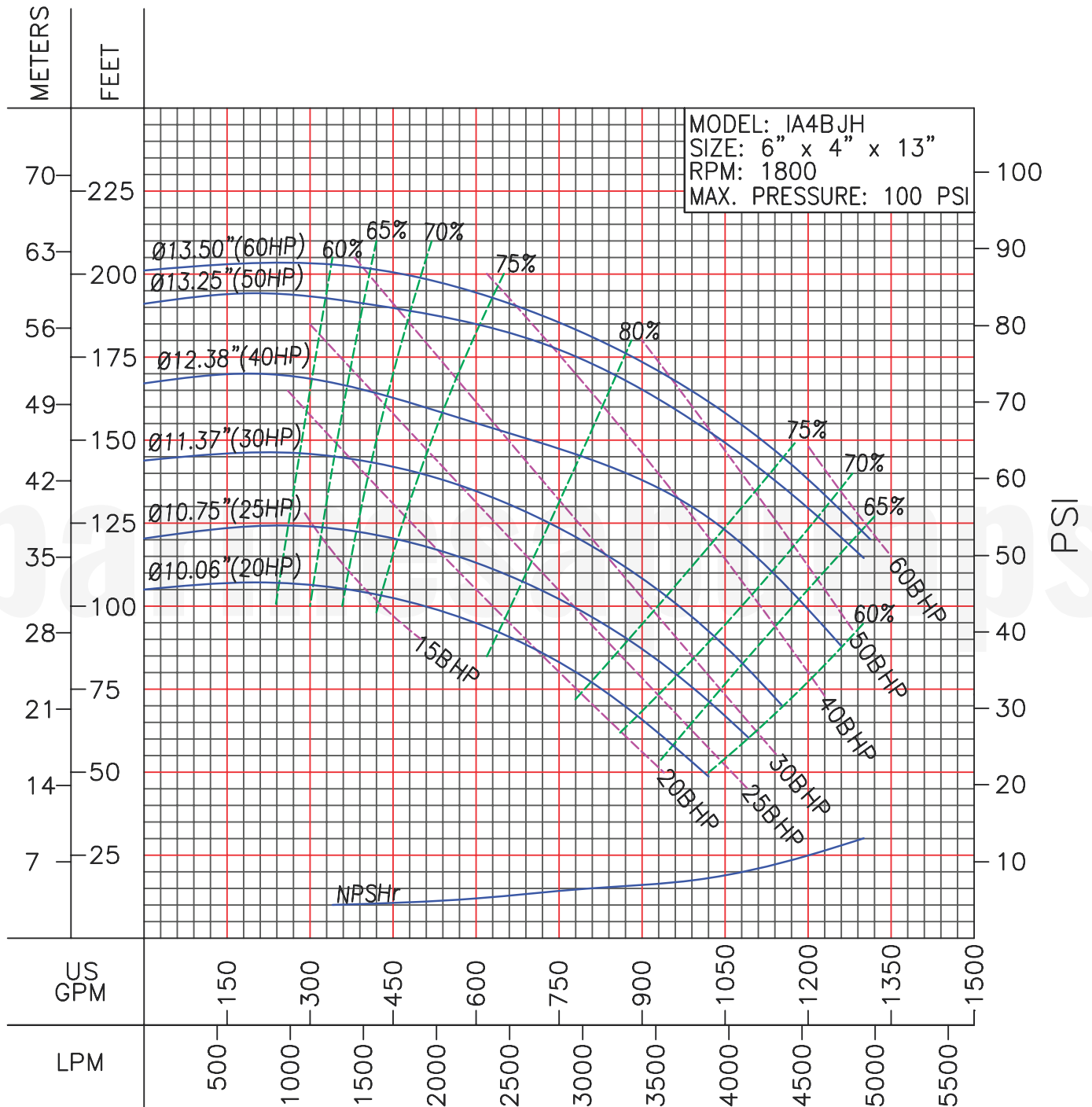
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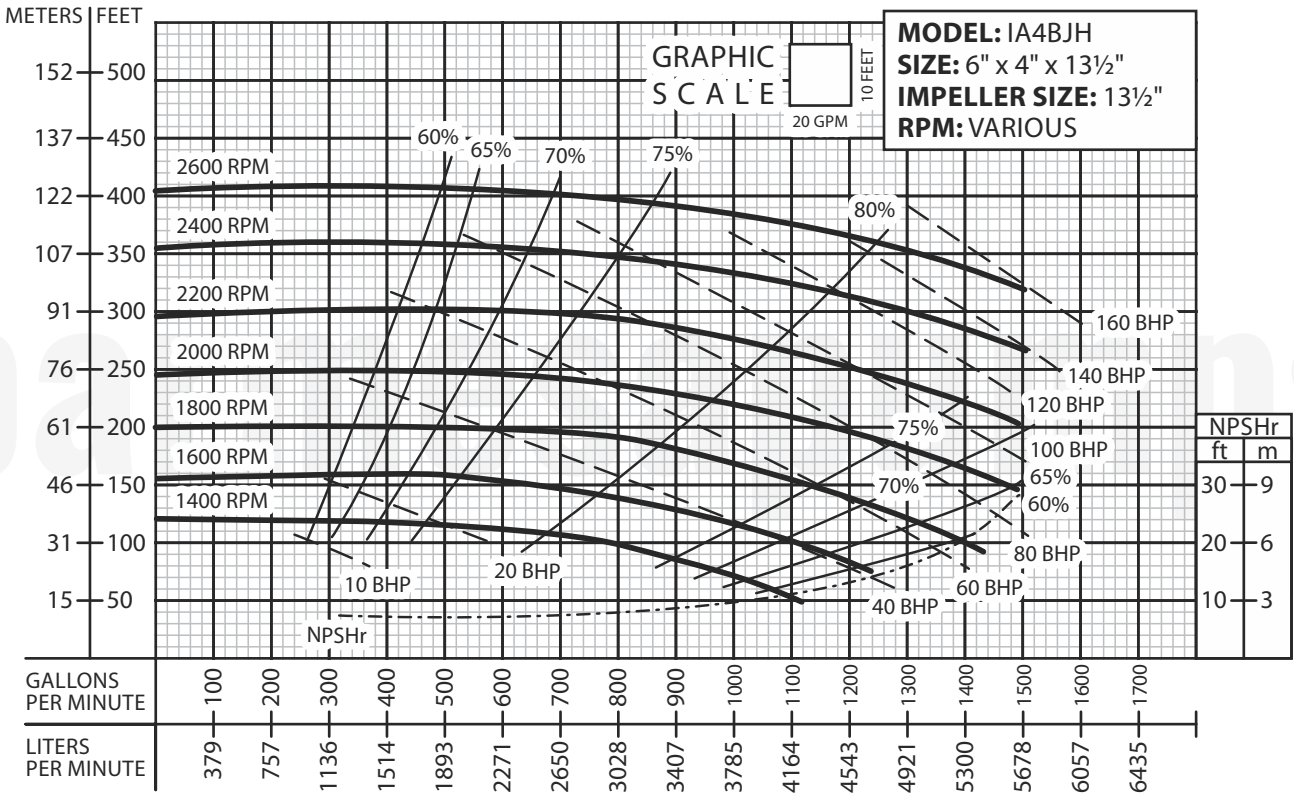
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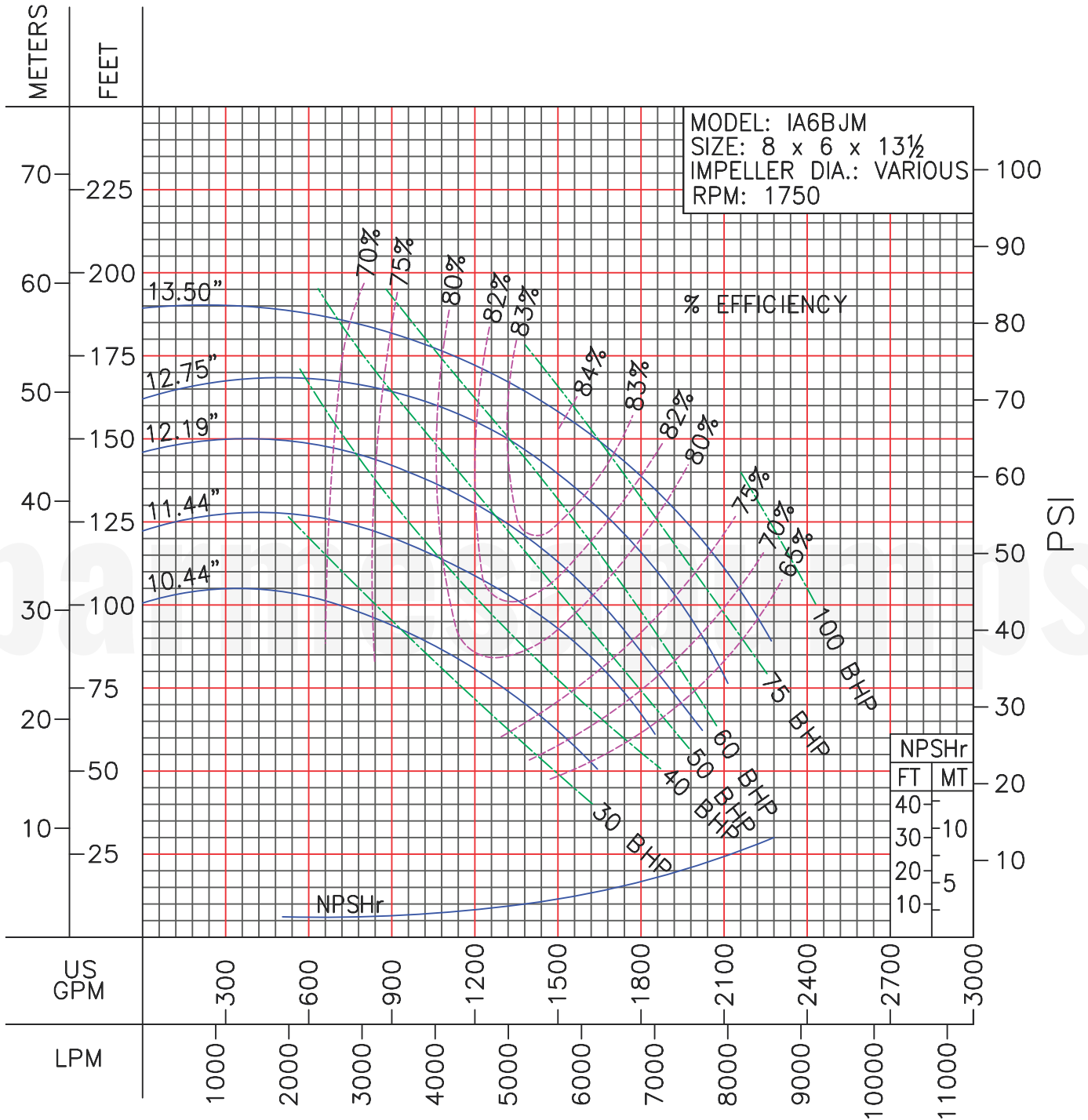
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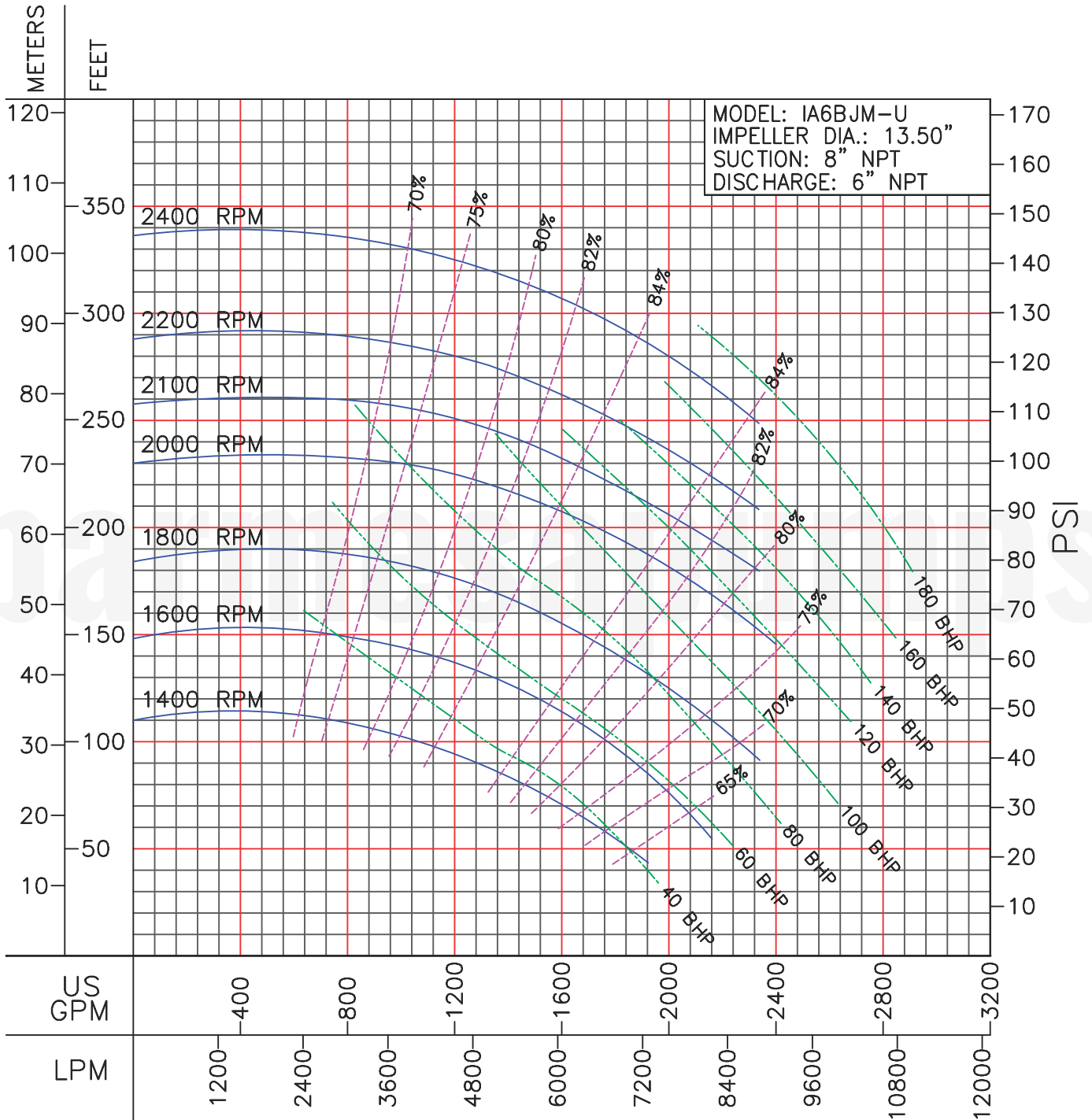
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PERFORMANCE CURVES



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