



**Z M Technologies**

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Out of the box thinking for better performance.

*A Proven Quality Stainless Steel Sanitary Pump*



**ZC Series Centrifugal Pump Curves**

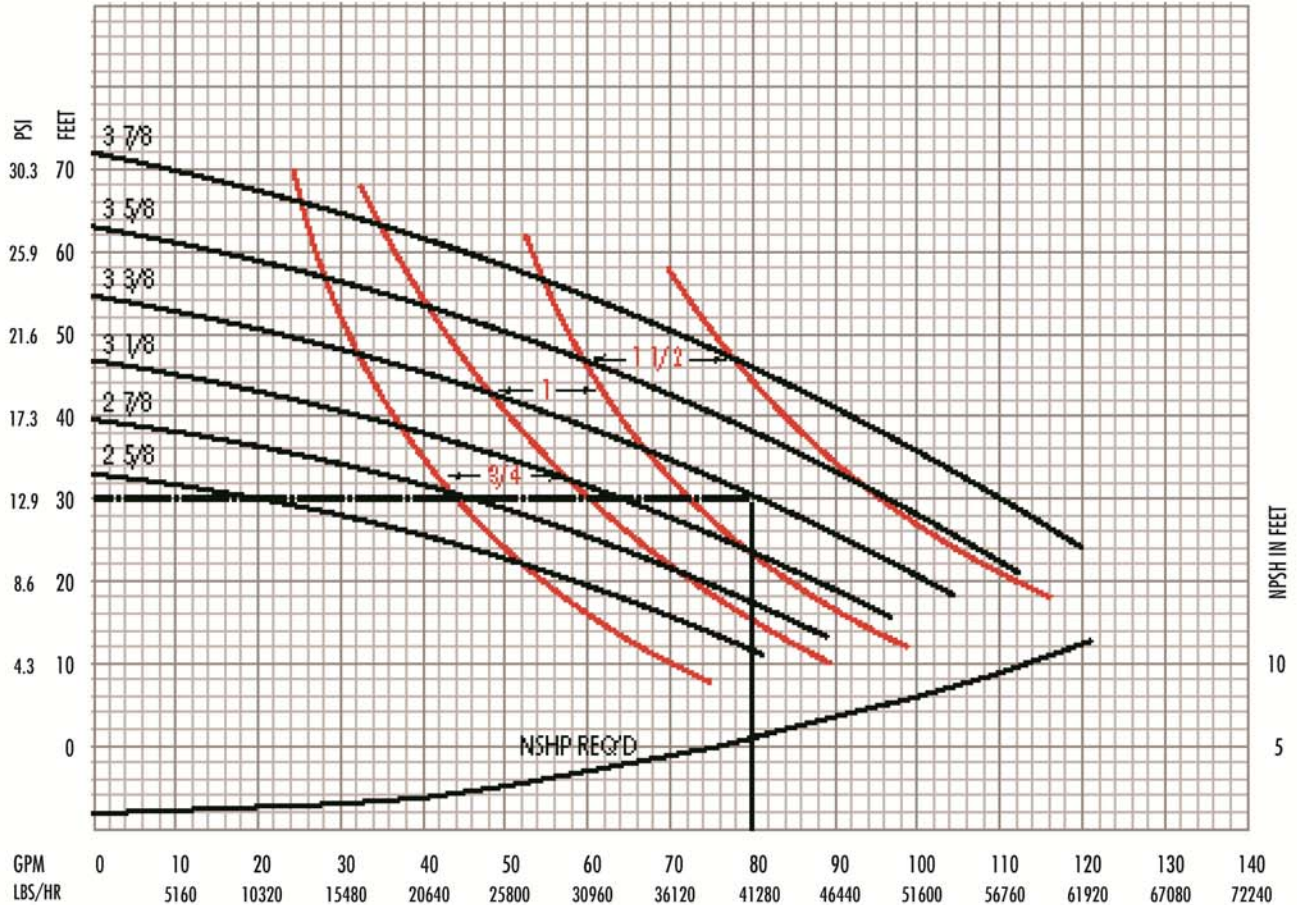
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# CENTRIFUGAL PUMPS

**MODEL 4 PUMP 3450 RPM**

**1 1/2 INLET 1 1/2 OUTLET**



## Interpreting Capacity Curve Charts

In the chart above, head in feet or PSI is shown as a vertical line on the left. Volume, in gallons per minute or pounds per hour is shown as a horizontal line at the bottom. The horsepower lines run diagonally through the performance curves.

**Sample problem:** Pump 80 GPM of water at a total head of 30 feet.

**Solution:** Referring to the chart above, find 80 GPM on the horizontal line on the bottom. Follow up the vertical axis up until it intersects with the 30 feet of head line. The impeller curve which passes through or closest above this point is the one to choose. This point falls within the 1 1/2 horsepower range.

The pump required would be a Model 4 pump with a 1 1/2 inch inlet and outlet, a 3 3/8 inch impeller, and a 1 1/2 horsepower 3450 RPM motor.

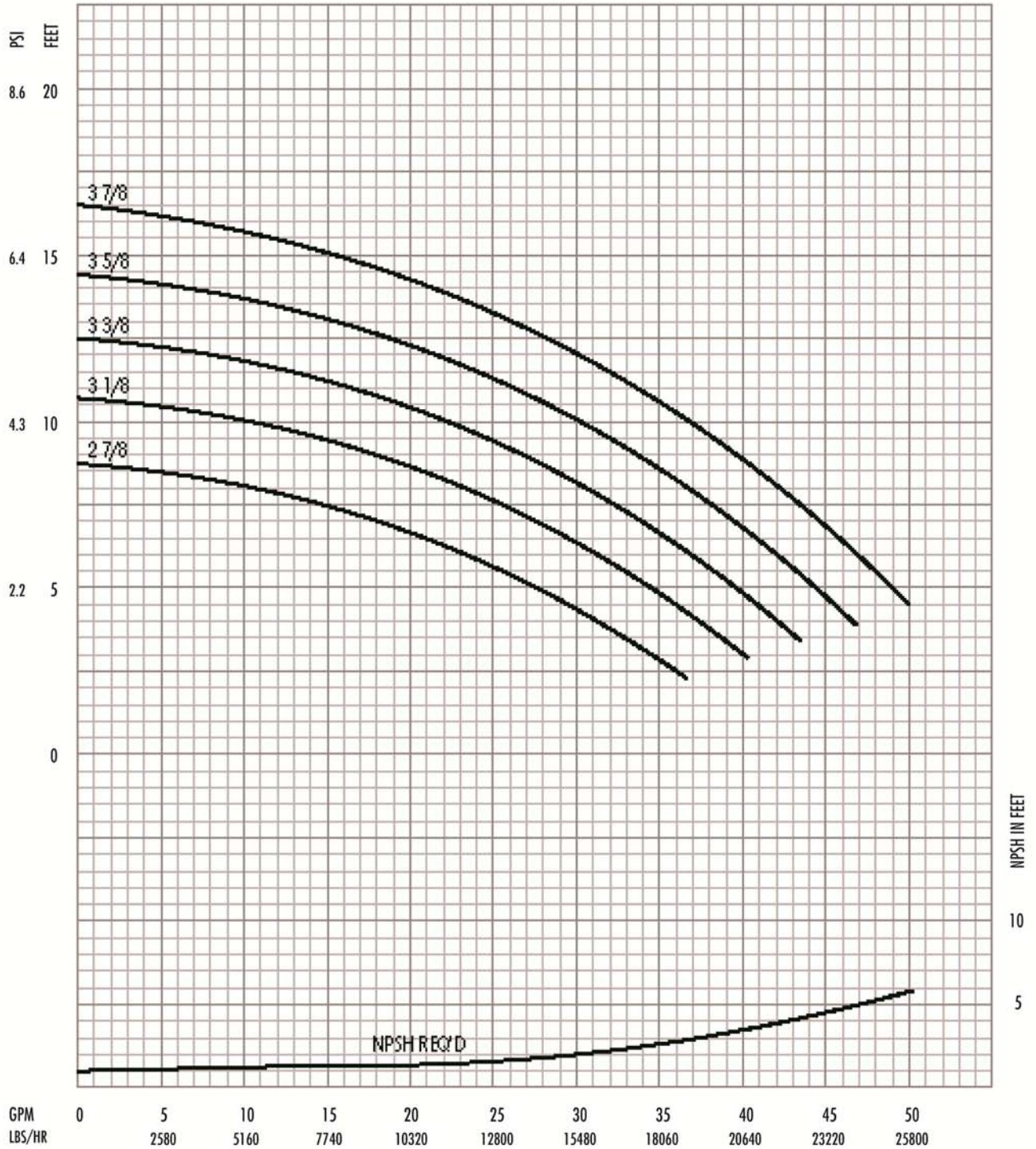


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# CENTRIFUGAL PUMPS

**MODEL 4 PUMP 1750 RPM 1/2 H.P.**  
**1 1/2 INLET 1 1/2 OUTLET**

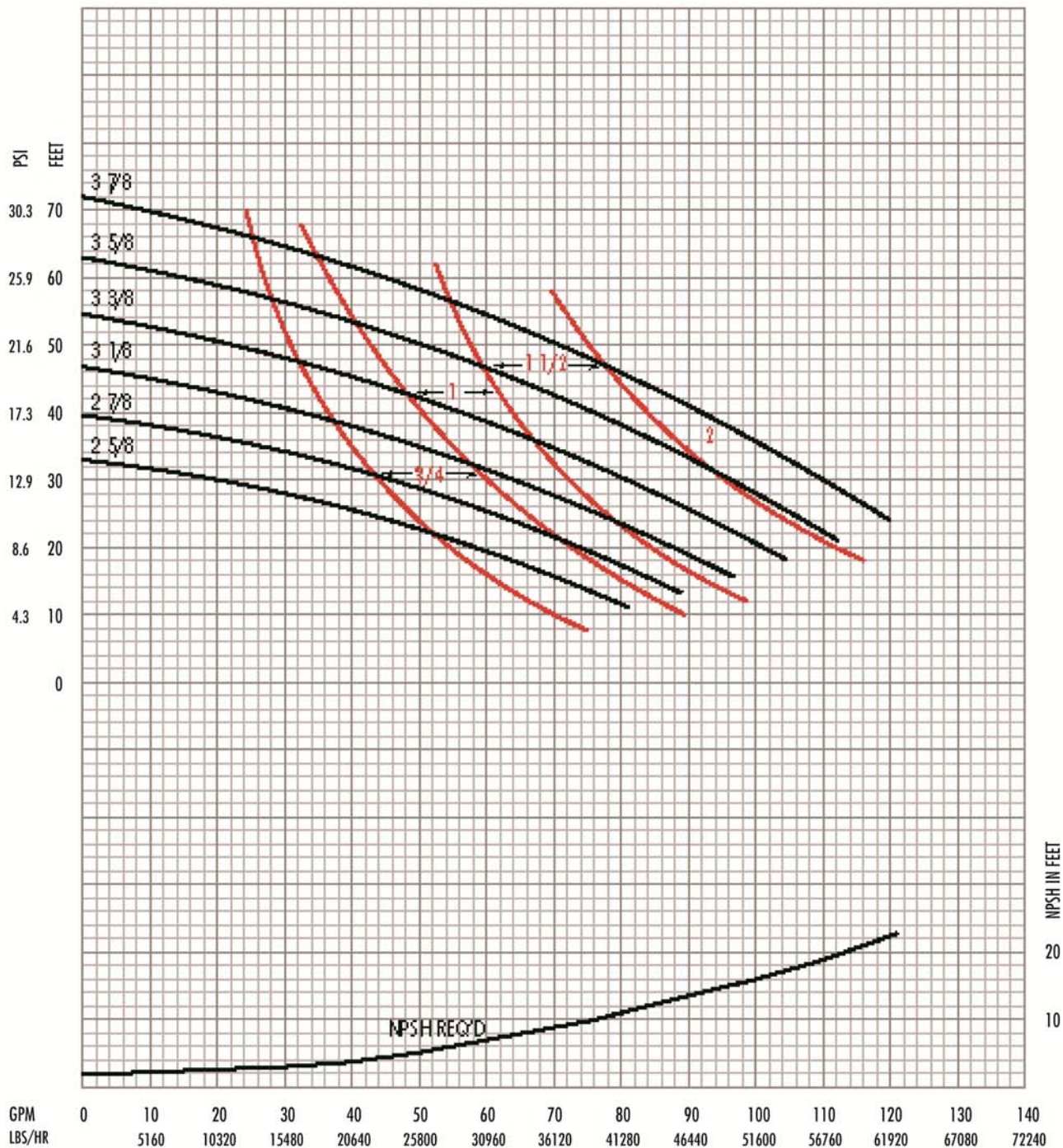


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# CENTRIFUGAL PUMPS



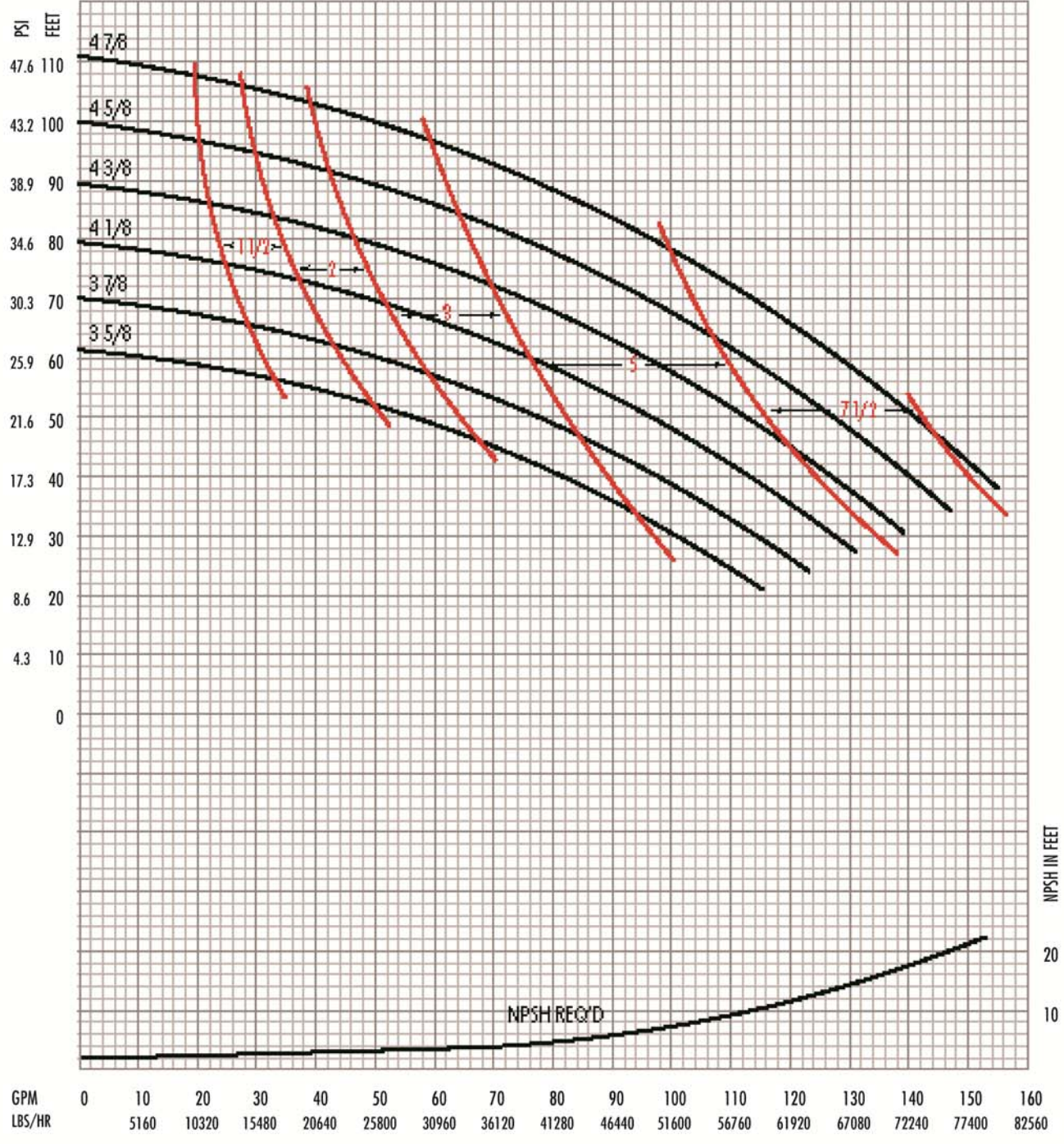
**MODEL 4 PUMP 3450 RPM**  
**1 1/2 INLET 1 1/2 OUTLET**



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# CENTRIFUGAL PUMPS

**MODEL 5 PUMP 3450 RPM**  
**1 1/2 INLET 1 1/2 OUTLET**

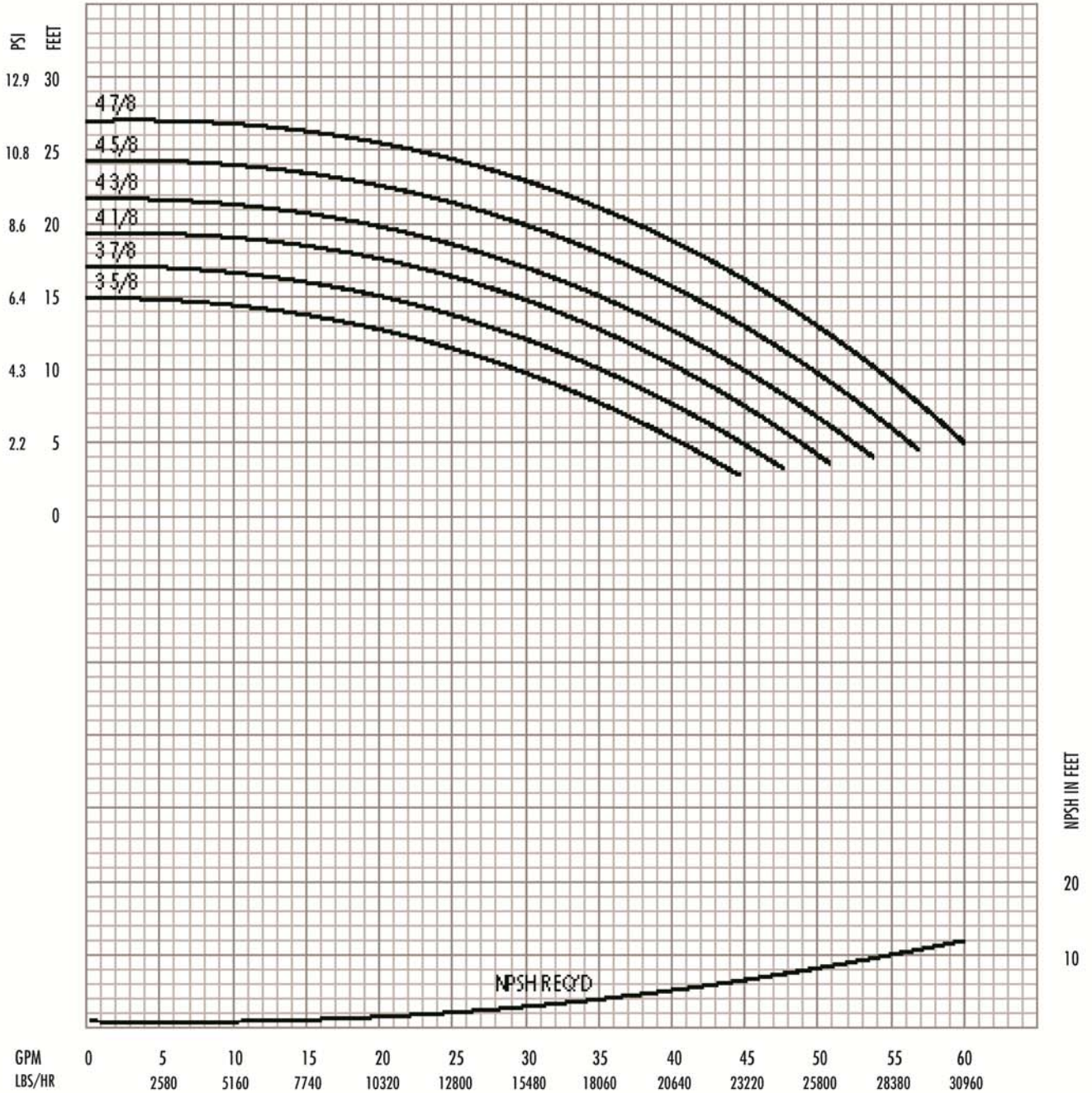


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# CENTRIFUGAL PUMPS

**MODEL 5 PUMP 1750 RPM 1/2 H.P.**  
**1 1/2 INLET 1 1/2 OUTLET**



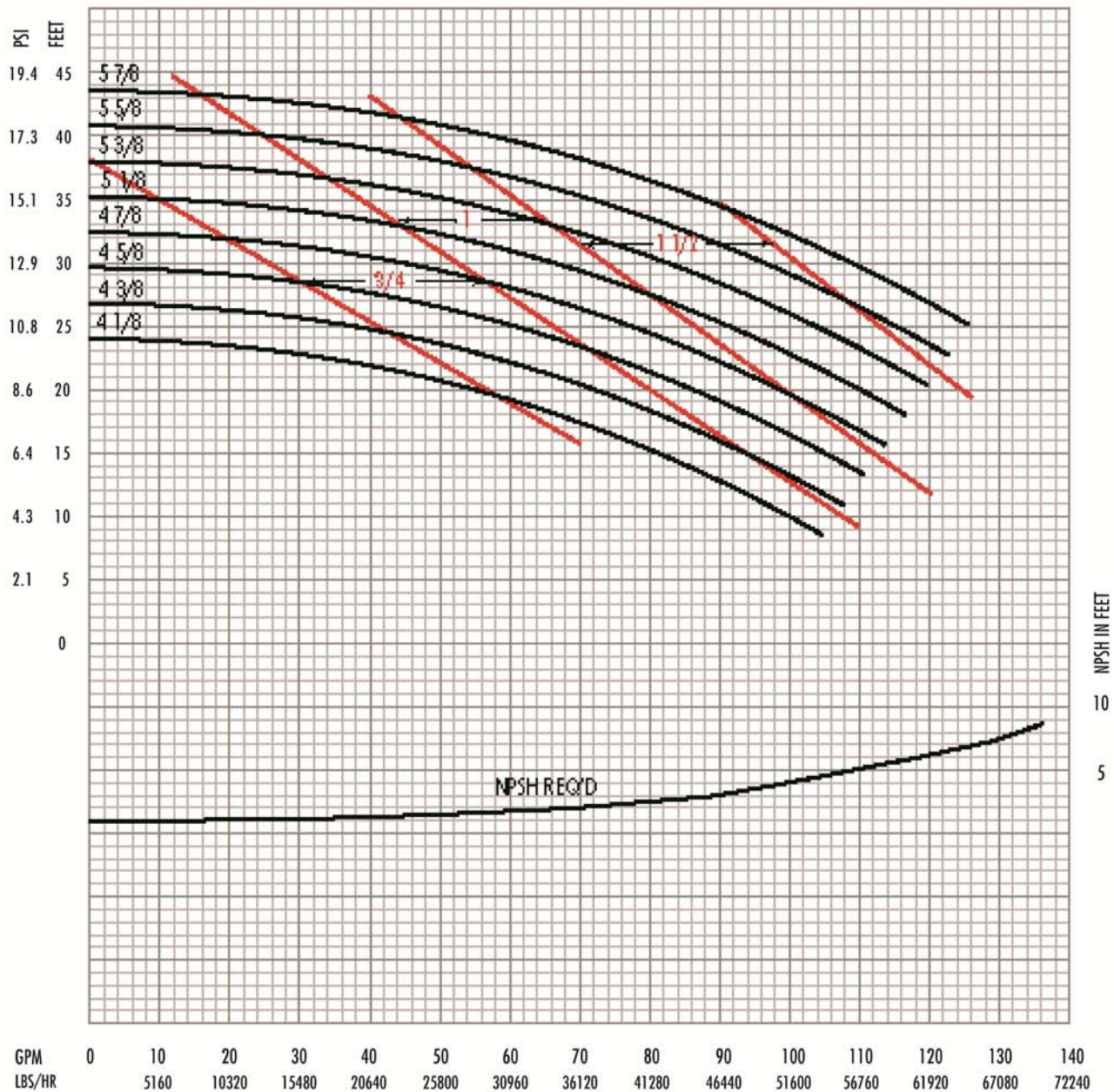
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# CENTRIFUGAL PUMPS

**MODEL 6 PUMP 1750 RPM**

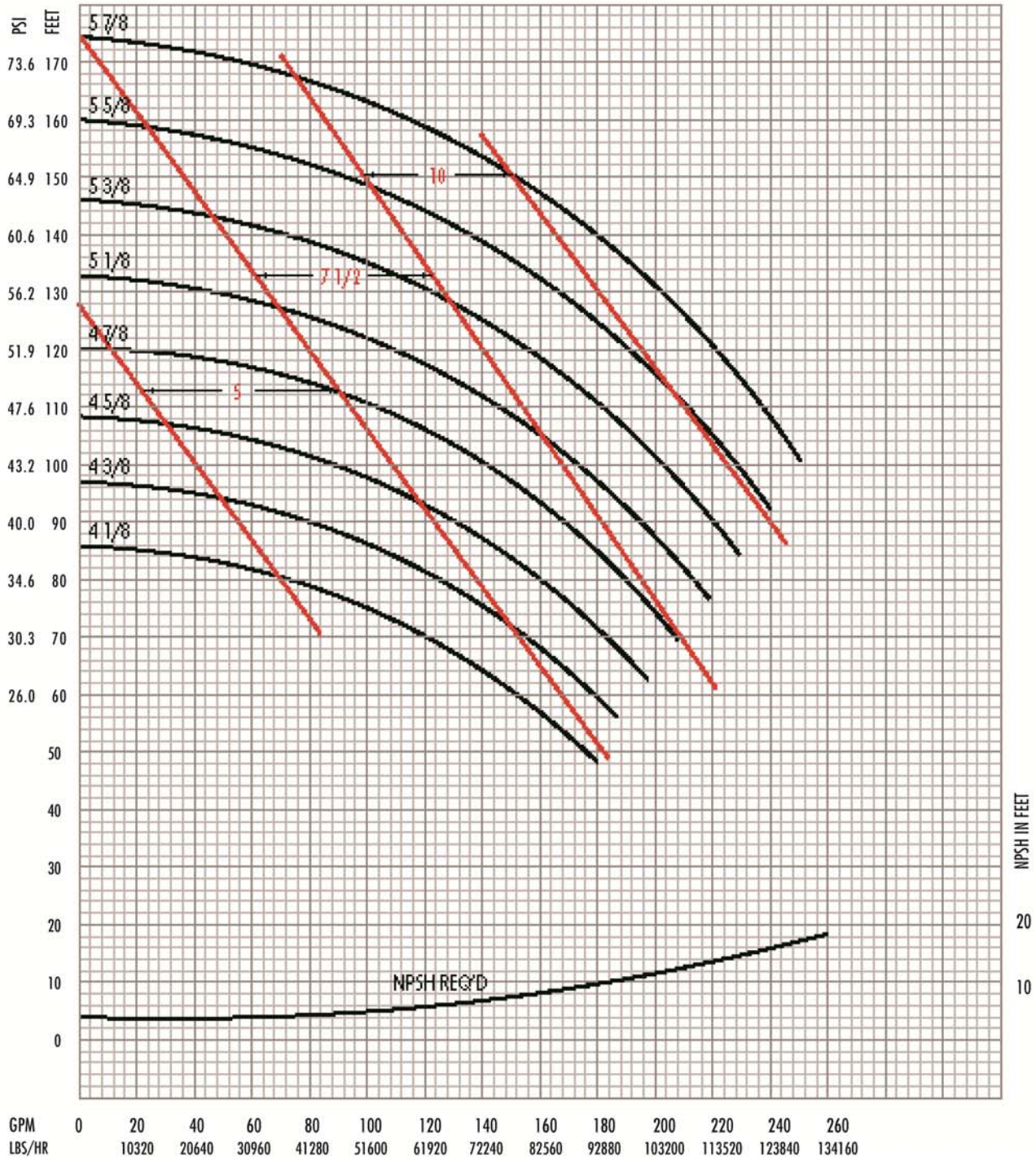
**2 INLET 1 1/2 OUTLET**



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# CENTRIFUGAL PUMPS

**MODEL 6 PUMP 3450 RPM**  
**2 INLET 1 1/2 OUTLET**



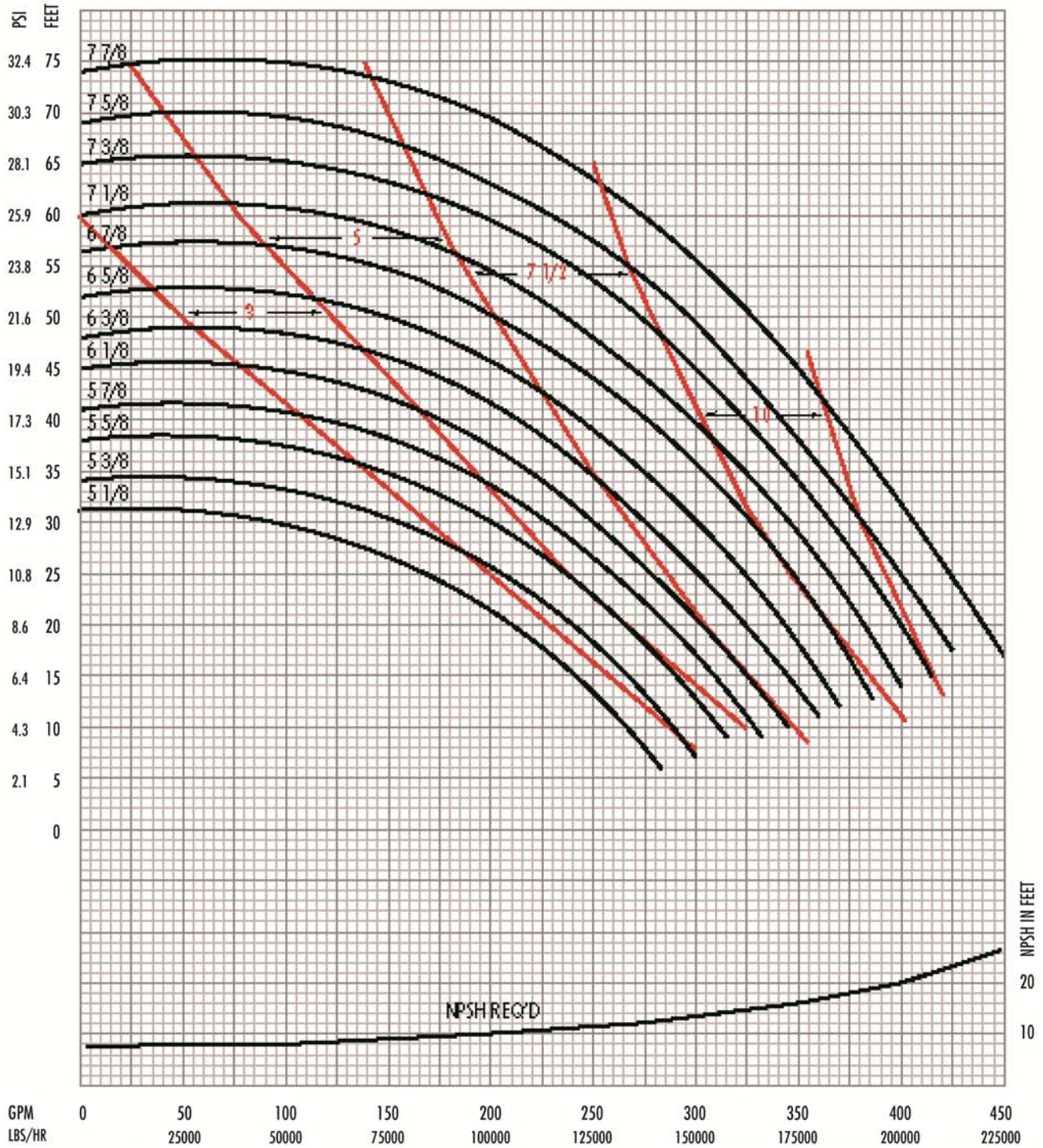
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# CENTRIFUGAL PUMPS

**MODEL 8 PUMP 1750 RPM**  
**3 INLET 2 OUTLET**

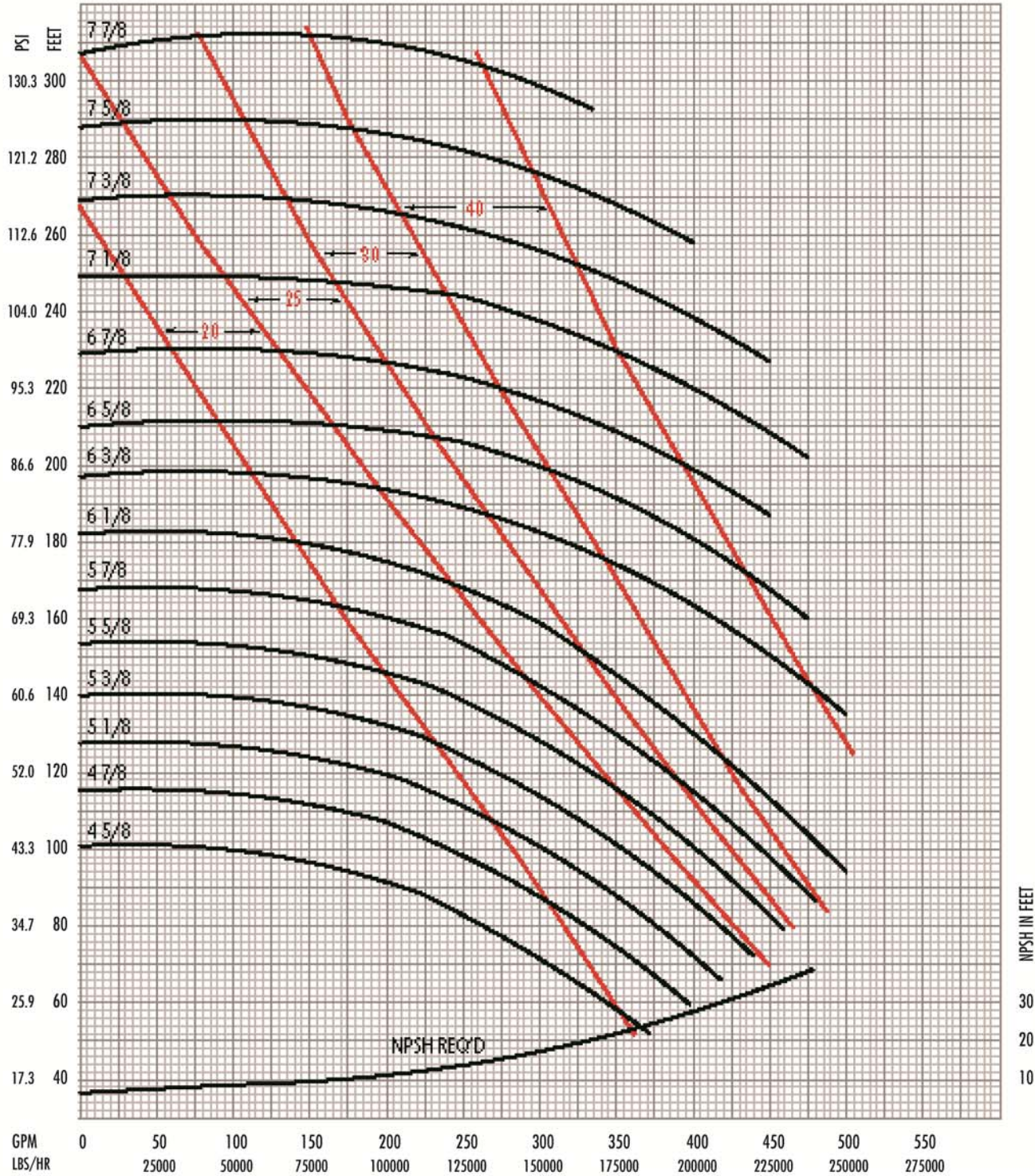


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# CENTRIFUGAL PUMPS

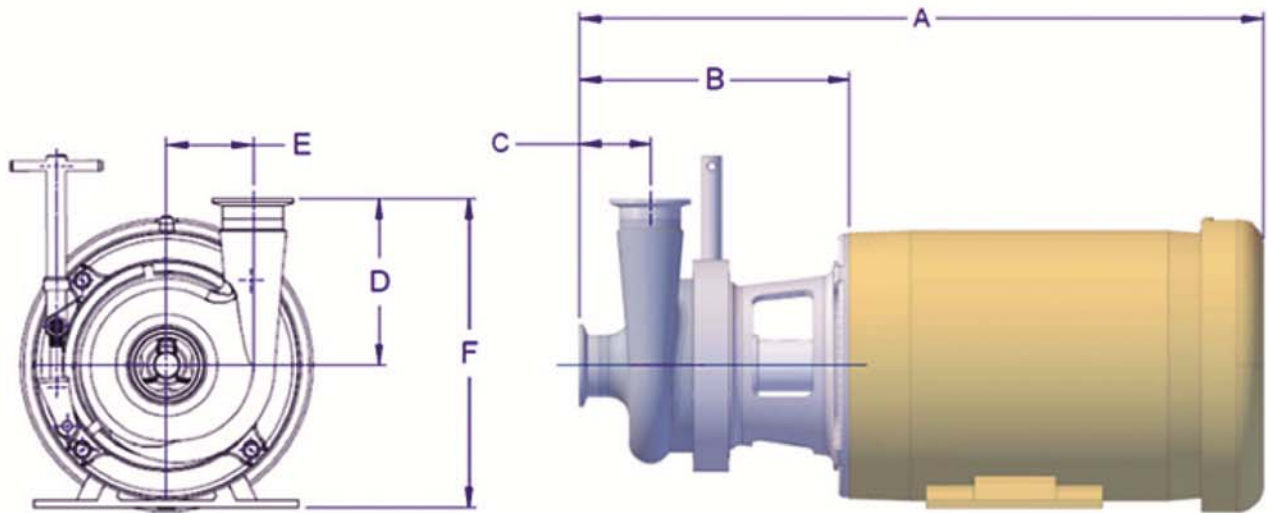


**MODEL 8 PUMP 3450 RPM**  
**3 INLET 2 OUTLET**



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# Standard Pump Dimensions



| PUMP MODEL | FRAME SIZE    | DIMENSION |        |        |        |        |         | SHAFT BORE |
|------------|---------------|-----------|--------|--------|--------|--------|---------|------------|
|            |               | A         | B      | C      | D      | E      | F       |            |
| # 4        | 56C           | 17-3/4"   | 6-5/8" | 1-3/4" | 4-1/4" | 2-1/8" | 7-3/4"  | 5/8"       |
| # 4        | 143/145TC     | 18-5/8"   | 6-5/8" | 1-3/4" | 4-1/4" | 2-1/8" | 7-3/4"  | 7/8"       |
| # 5        | 56C           | 17-3/4"   | 6-5/8" | 1-3/4" | 4-3/4" | 2-1/8" | 8-1/4"  | 5/8"       |
| # 5        | 143/145TC     | 20"       | 6-5/8" | 1-3/4" | 4-3/4" | 2-1/8" | 8-1/4"  | 7/8"       |
| # 5        | 182/184TC     | 22"       | 6-5/8" | 1-3/4" | 4-3/4" | 2-1/8" | 9-1/4"  | 1-1/8"     |
| # 6        | 56C           | 17-3/4"   | 7"     | 1-7/8" | 5-1/2" | 3-1/8" | 9"      | 5/8"       |
| # 6        | 143/145TC     | 21"       | 7"     | 1-7/8" | 5-1/2" | 3-1/8" | 9"      | 7/8"       |
| # 6        | 182/184TC     | 24-3/8"   | 9-1/8" | 1-7/8" | 5-1/2" | 3-1/8" | 10"     | 1-1/8"     |
| # 6        | 213/215TC     | 24-3/8"   | 9-1/8" | 1-7/8" | 5-1/2" | 3-1/8" | 10-3/4" | 1-3/8"     |
| # 6        | 256/284/286TC | 27"       | 9-1/8" | 1-7/8" | 5-1/2" | 3-1/8" | 10-3/4" | 1-5/8"     |
| # 8        | 182/184TC     | 24-3/16"  | 8-3/4" | 2-1/2" | 5-1/8" | 3-3/8" | 9-5/8"  | 1-1/8"     |
| # 8        | 213/215TC     | 25-5/16"  | 8-3/4" | 2-1/2" | 5-1/8" | 3-3/8" | 10-3/8" | 1-3/8"     |
| # 8        | 256TC         | 28-17/32" | 8-3/4" | 2-1/2" | 5-1/8" | 3-3/8" | 11-3/8" | 1-5/8"     |
| # 8        | 284/286TSC    | 31-13/16" | 8-3/4" | 2-1/2" | 5-1/8" | 3-3/8" | 12-1/8" | 1-5/8"     |
| # 8        | 324TSC        | 34-1/2"   | 9-3/8" | 2-1/2" | 5-1/8" | 3-3/8" | 13-1/8" | 1-7/8"     |

DIMENSIONS BASED ON STANDARD NEMA FRAME