



Alfa Laval LKH

Performance curves

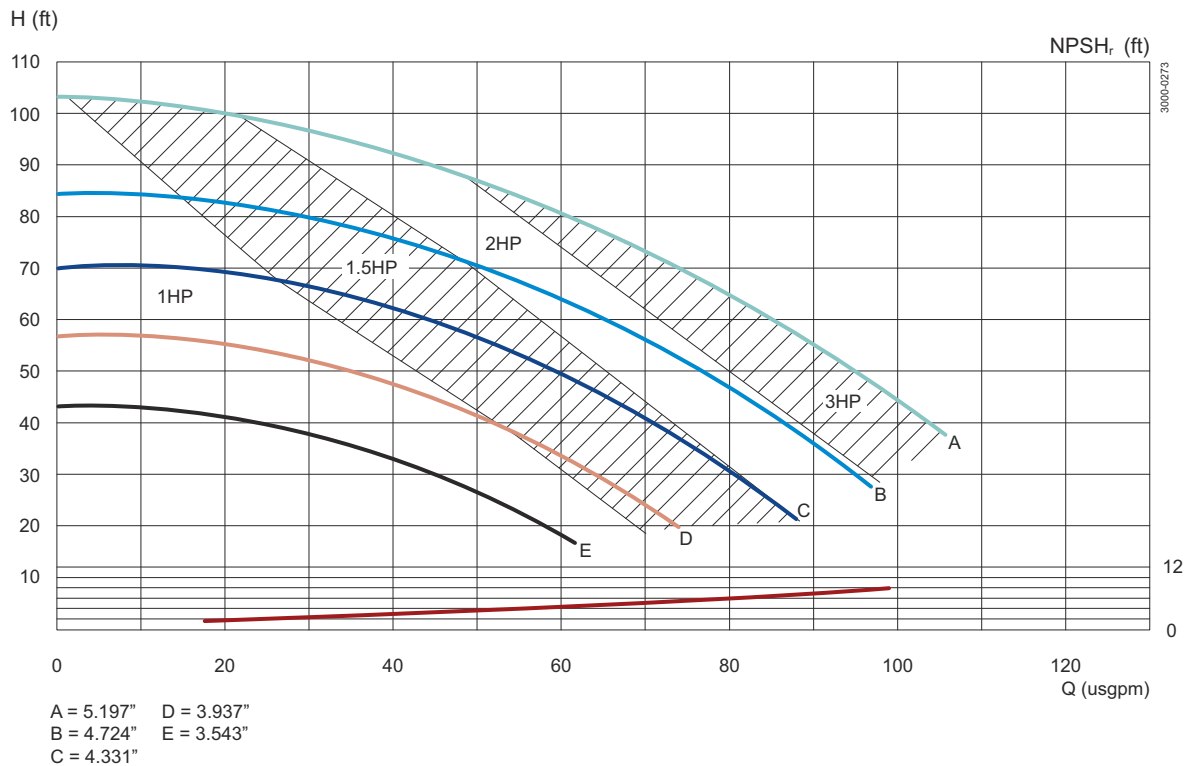
LKH-5, 60 Hz

Motor:	3600 rpm. synchron.
Tolerance:	±5%
Impeller, Max. dia.:	5.197"
Impeller, Min. dia.:	3.54"
Pump inlet, dia.:	2", DN 50
Pump outlet, dia.:	1½", DN 40
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 3.4 Hp, 3460 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR



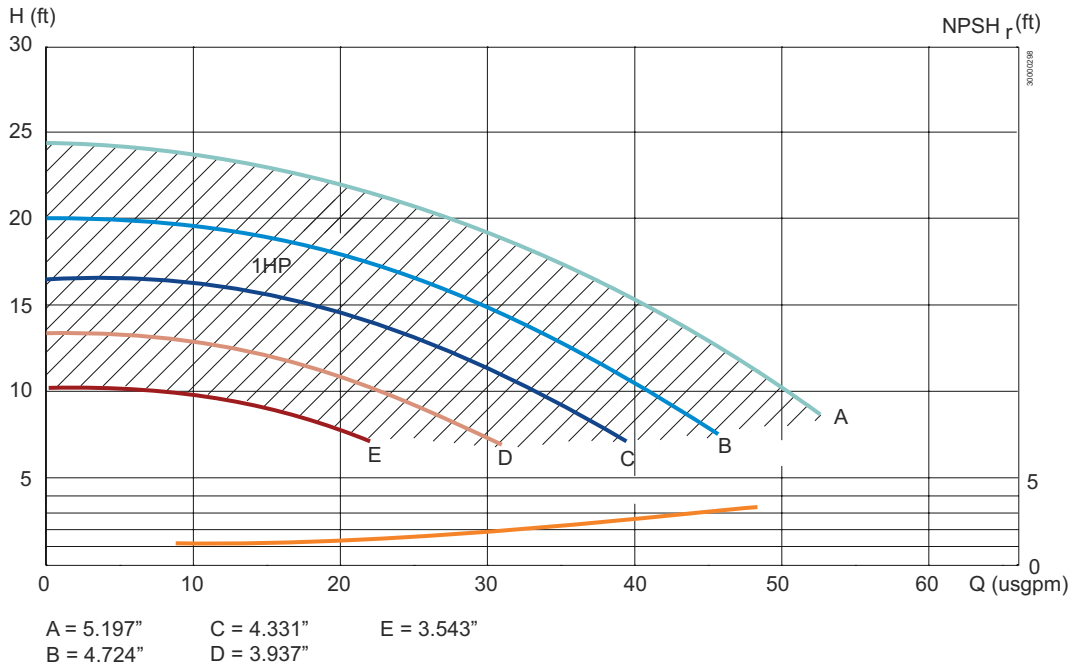
LKH-5, 60 Hz

Motor:	1800 rpm. synchr
Tolerance:	±5%
Impeller, Max. dia.:	5.197"
Impeller, Min. dia.:	3.54"
Pump inlet, dia.:	2", DN 50
Pump outlet, dia.:	1½", DN 40
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 1.7 Hp, 1700 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR



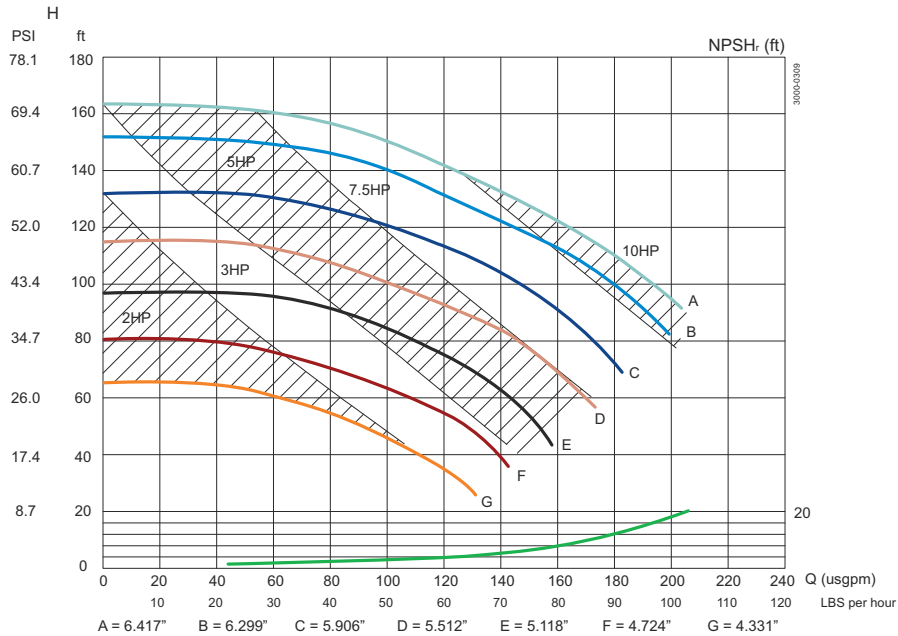
LKH-10, 60 Hz

Motor:	3600 rpm. synchron.
Tolerance:	±5%
Impeller, Max. dia.:	6.417"
Impeller, Min. dia.:	4.331"
Pump inlet, dia.:	2½", DN 65
Pump outlet, dia.:	2", DN 50
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 11.5 Hp, 3500 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR



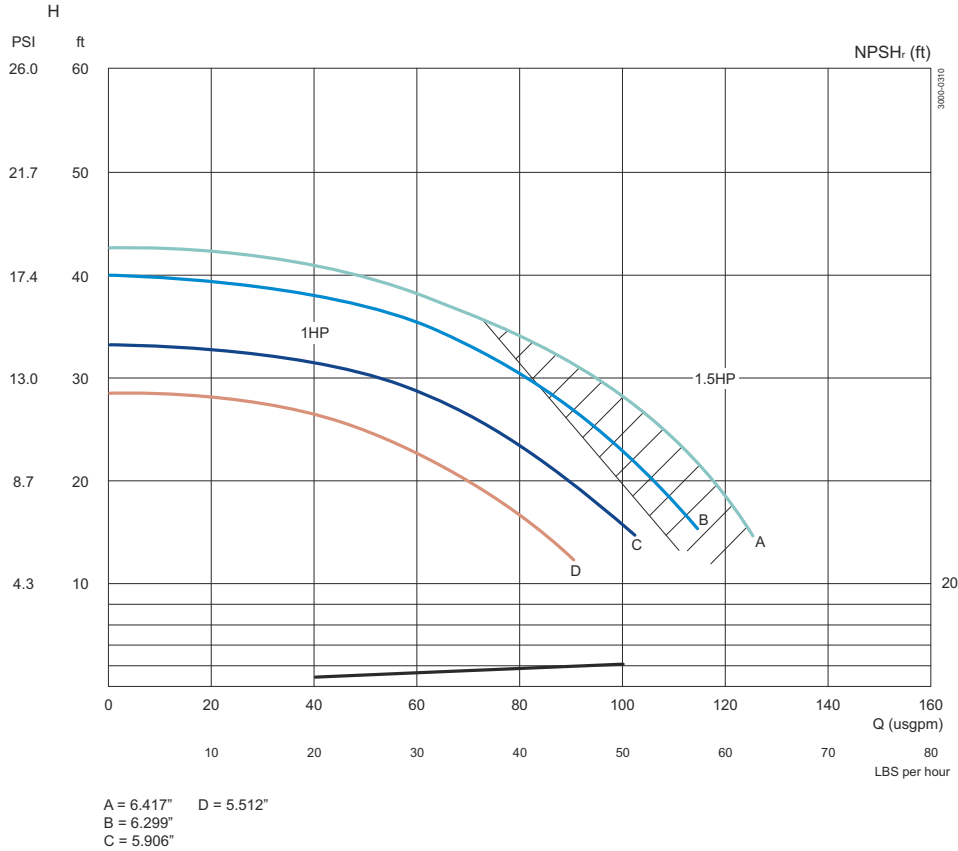
LKH-10, 60Hz

Motor:	1800 rpm. synchron.
Tolerance:	±5%
Impeller, Max. dia.:	6.417"
Impeller, Min. dia.:	5.512"
Pump inlet, dia.:	2½", DN 65
Pump outlet, dia.:	2", DN 50
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 2.4 Hp, 1750 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR



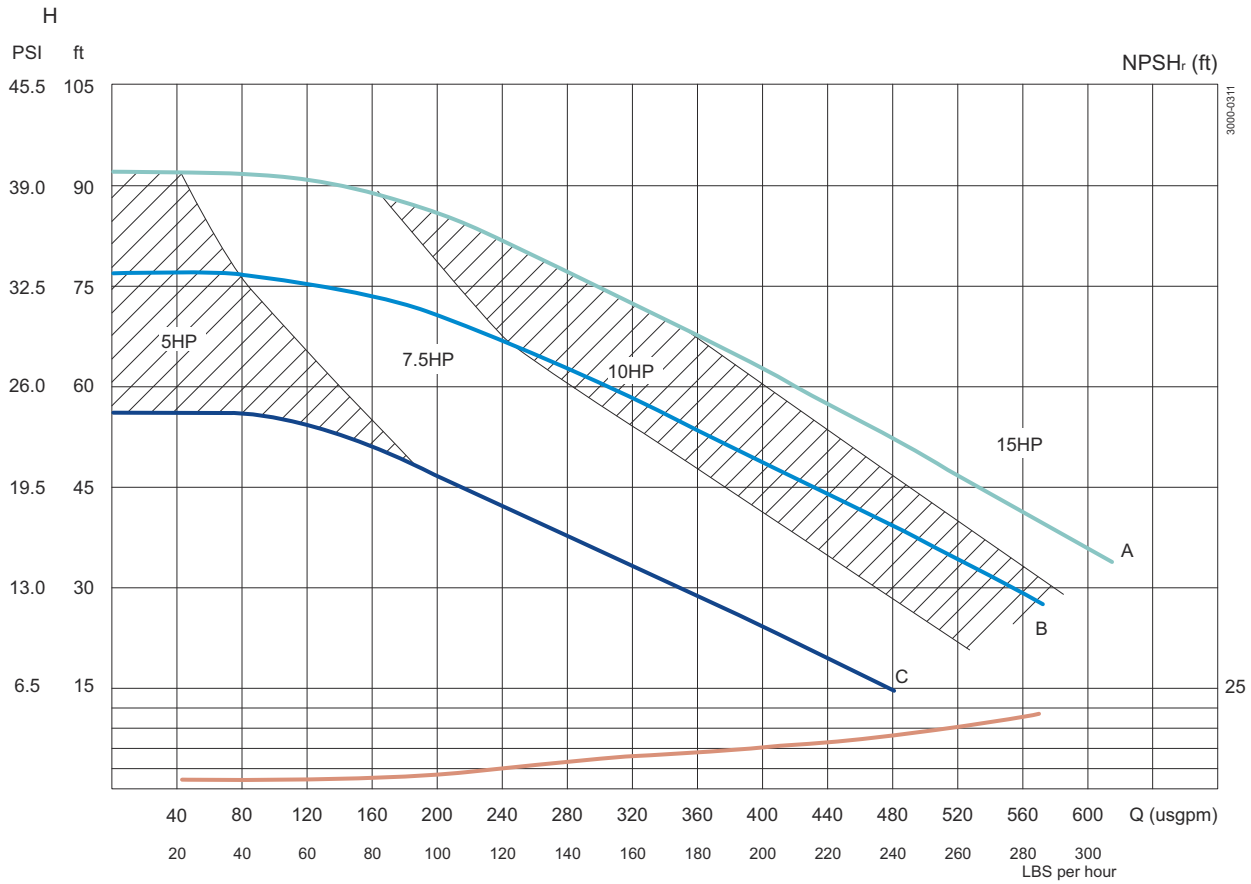
LKH-15, 60 Hz

Motor:	3600 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	5.433"
Impeller, Min. dia.:	4.724"
Pump inlet, dia.:	4"
Pump outlet, dia.:	3"
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 11.5 Hp, 3455 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR



A = 5.433"
 B = 5.118"
 C = 4.724"

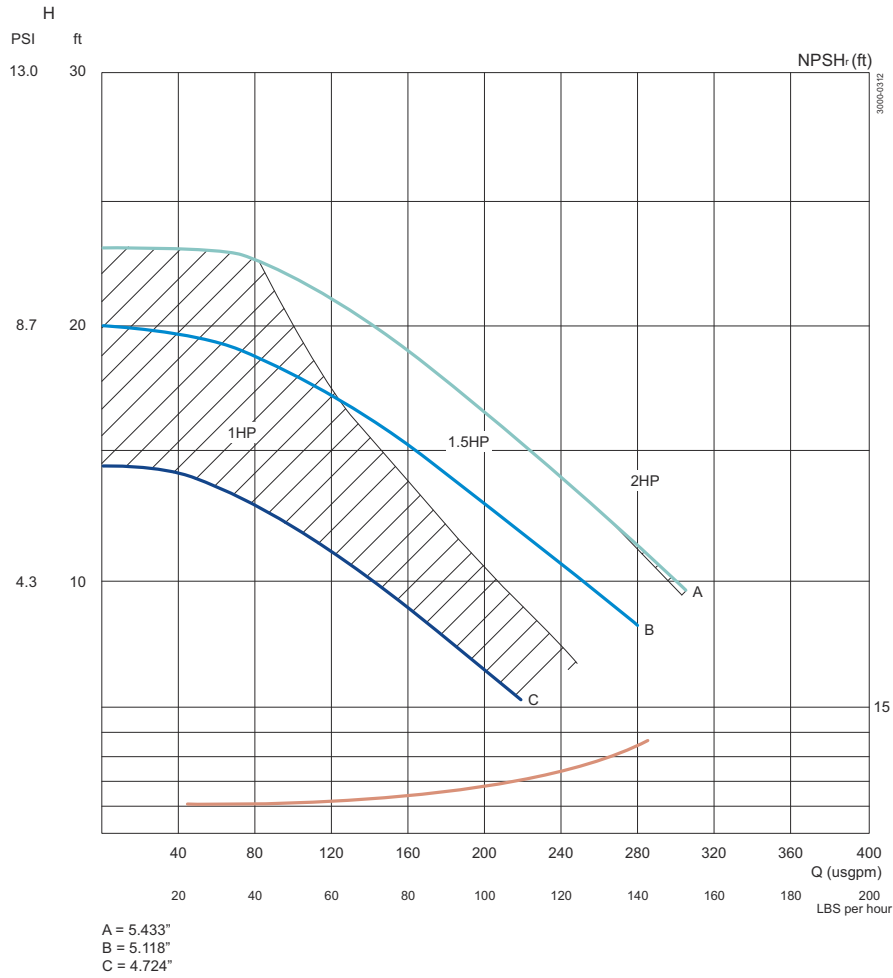
LKH-15, 60 HZ

Motor:	1800 rpm. synchron.
Tolerance:	±5%
Impeller, Max. dia.:	5.433"
Impeller, Min. dia.:	4.72"
Pump inlet, dia.:	4"
Pump outlet, dia.:	3"
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 2.4 Hp, 1710 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR



LKH-20, 60 Hz

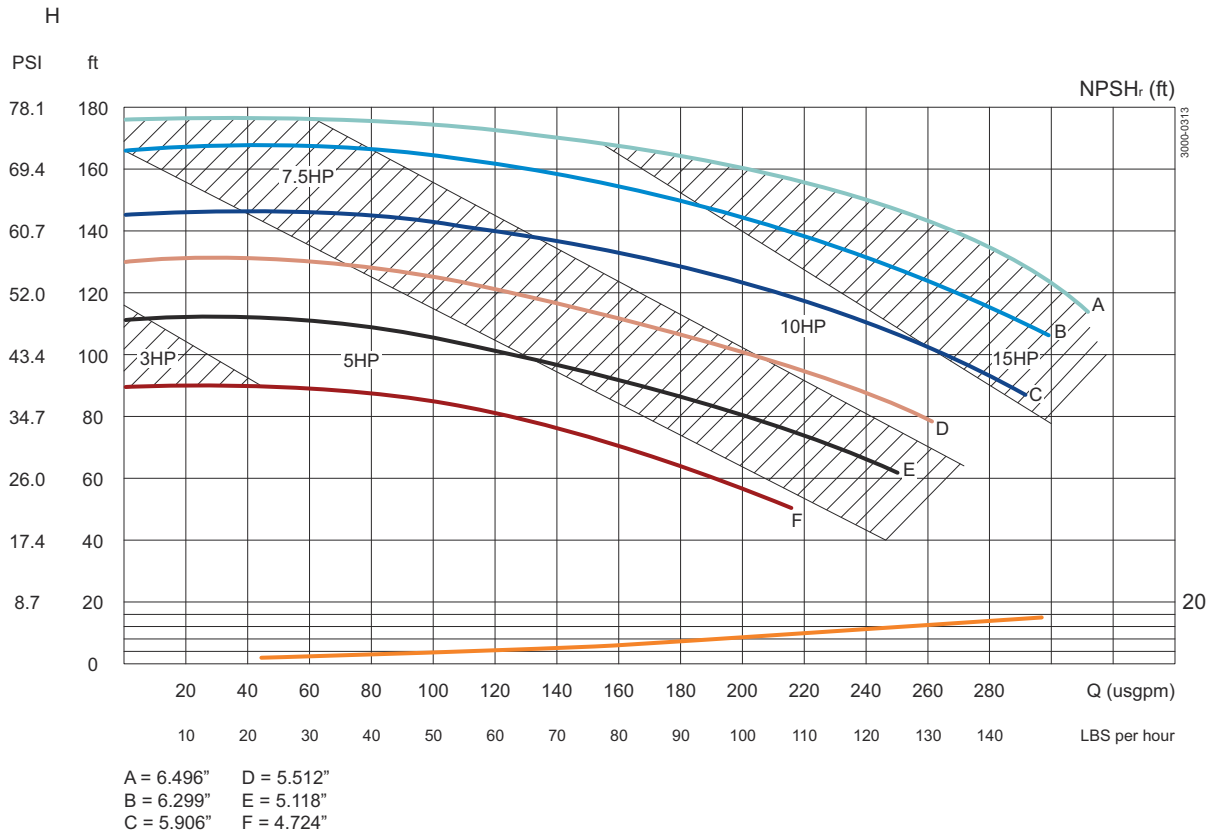
Motor:	3600 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	6.496"
Impeller, Min. dia.:	4.724"
Pump inlet, dia.:	2½", DN 65
Pump outlet, dia.:	2", DN 50

Performance data refer to water at 68 °F



Note! The curves refer to motor: 16.8 Hp, 3500 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR



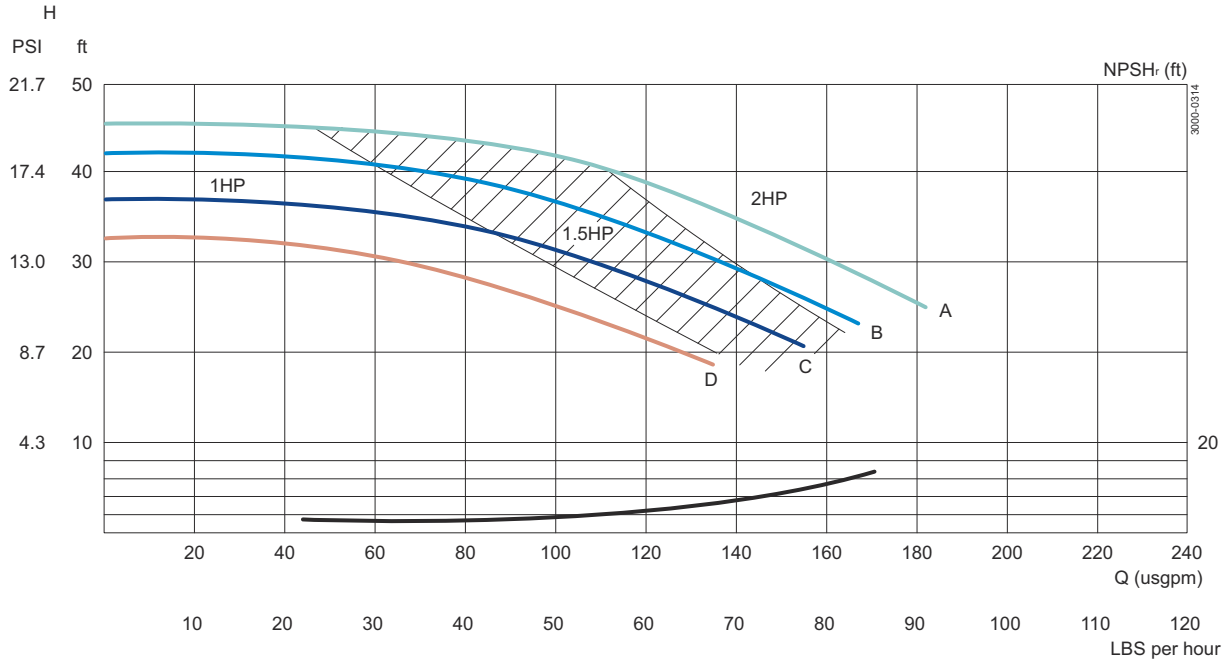
LKH-20, 60 Hz

Motor:	1800 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	6.496"
Impeller, Min. dia.:	5.512"
Pump inlet, dia.:	2½", DN 65
Pump outlet, dia.:	2", DN 50
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 2.4 Hp, 1750 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR



A = 6.496" D = 5.512"
 B = 6.299"
 C = 5.906"

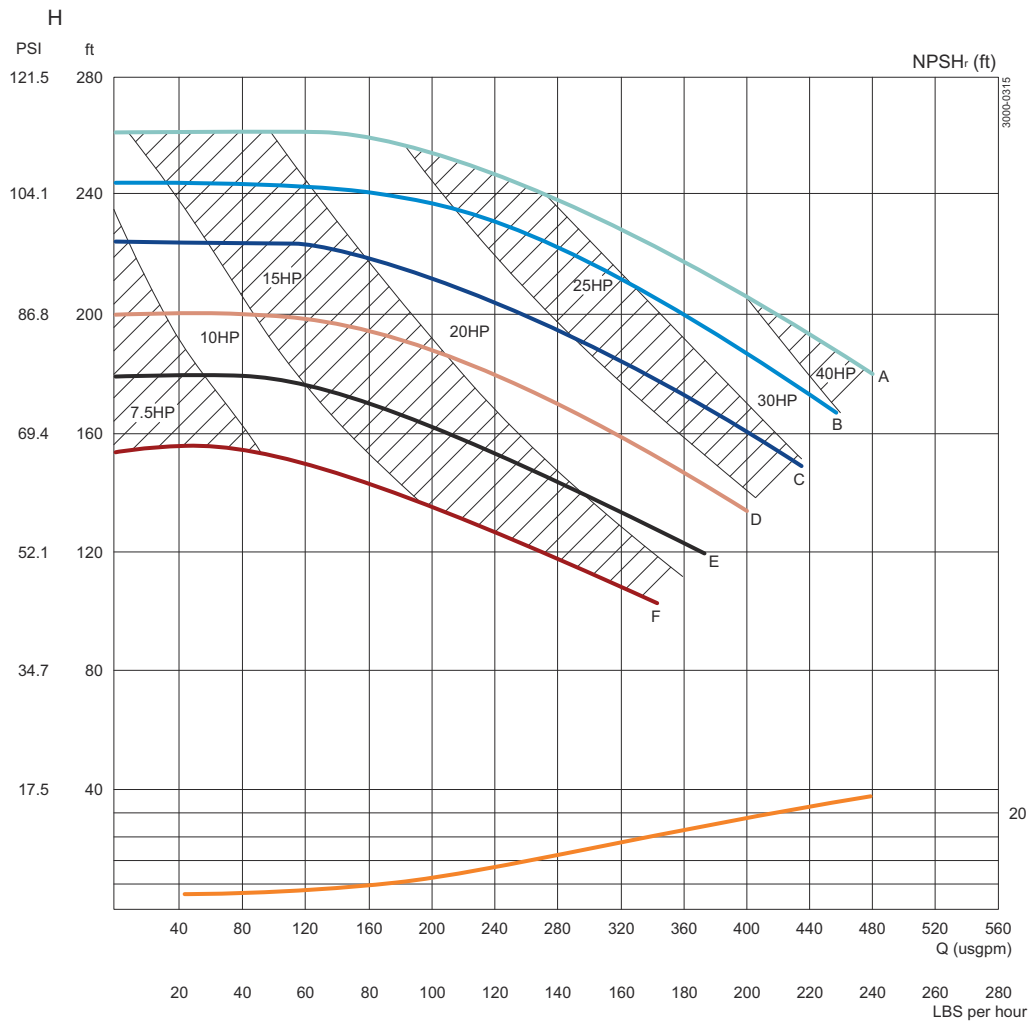
LKH-25, 60 Hz

Motor:	3600 rpm. synchron.
Tolerance:	±5%
Impeller, Max. dia.:	8.070"
Impeller, Min. dia.:	6.299"
Pump inlet, dia.:	3", DN 80
Pump outlet, dia.:	2½", DN 65
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 33.5 Hp, 3545 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with:
 - 3% for 16.8-28.2 Hp.
 - 5% for 8.5-11.5 Hp.

DO NOT FORGET THE SAFETY FACTOR



A = 8.07" D = 7.09"
 B = 7.87" E = 6.69"
 C = 7.48" F = 6.30"

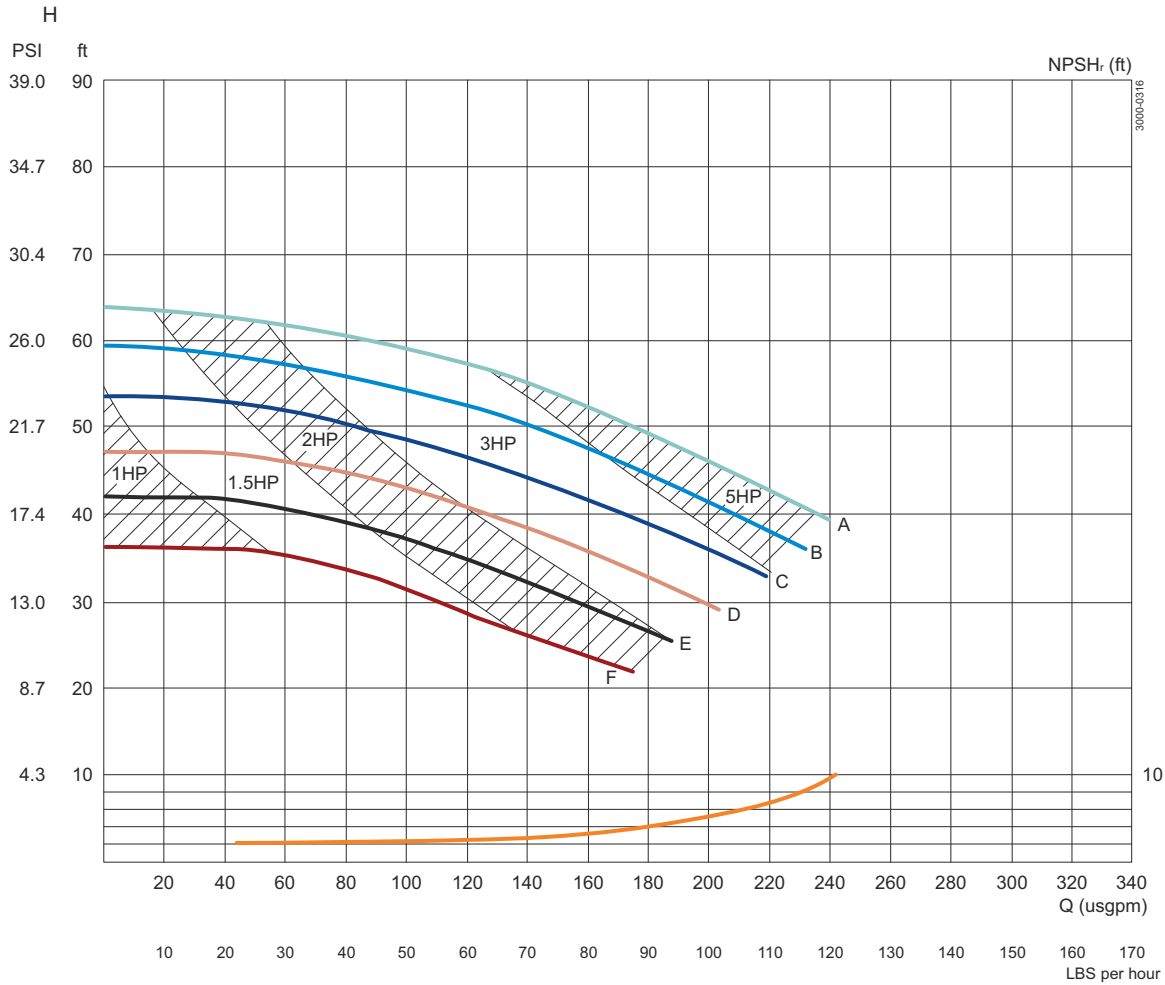
LKH-25, 60 Hz

Motor:	1800 rpm. synchron.
Tolerance:	±5%
Impeller, Max. dia.:	8.070"
Impeller, Min. dia.:	6.299"
Pump inlet, dia.:	3", DN 80
Pump outlet, dia.:	2½", DN 65
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 4.7 Hp (3.5 kW), 1720 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with 3%.

DO NOT FORGET THE SAFETY FACTOR



A = 8.070" D = 7.087"
 B = 7.874" E = 6.693"
 C = 7.480" F = 6.299"

LKH-35, 60 Hz

Motor:	3600 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	8.661"
Impeller, Min. dia.:	6.69"
Pump inlet, dia.:	2.5", DN 65
Pump outlet, dia.:	2", DN 50
Performance data refer to water at 68 °F	



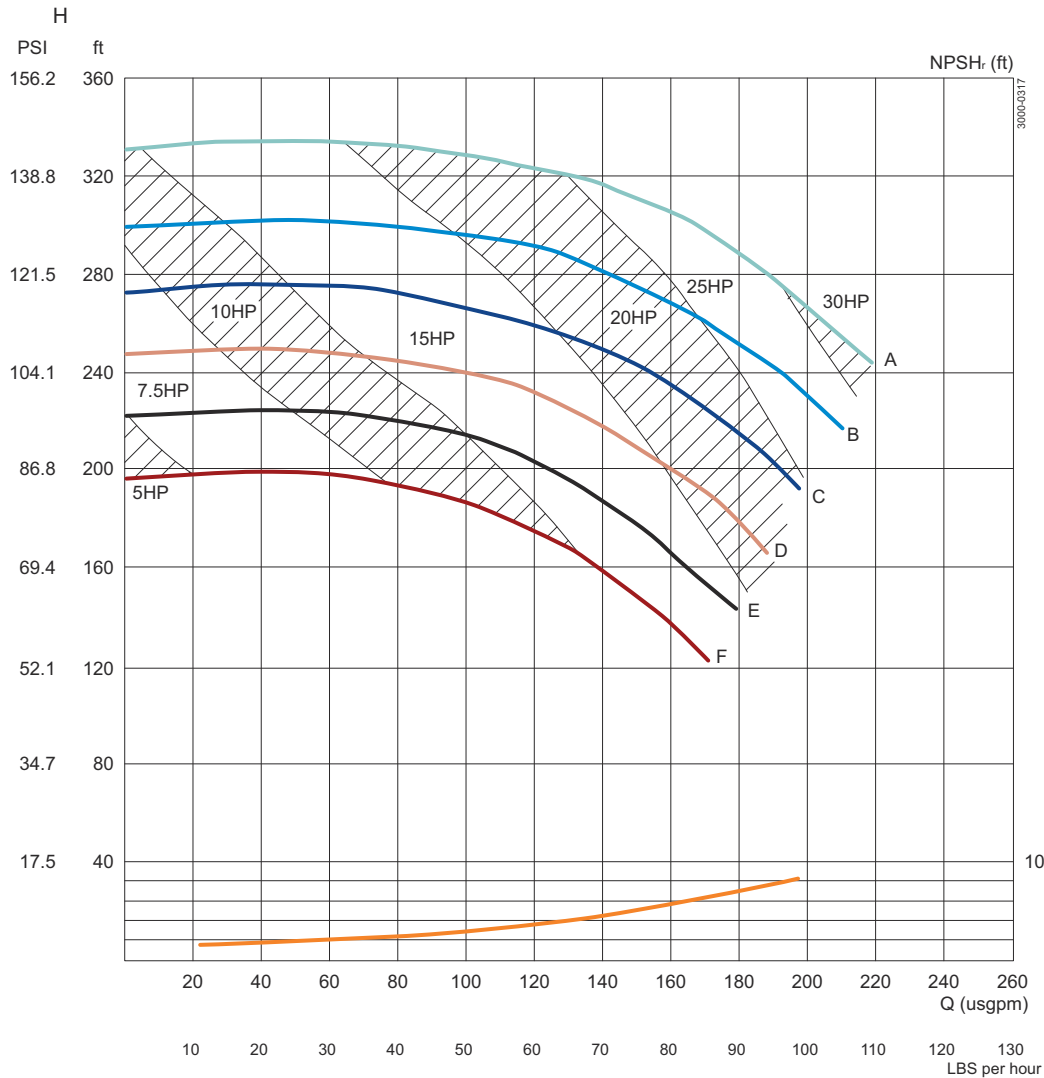
Note! The curves refer to motor: 28.2 Hp, 3535 rpm. asynchr., 60 Hz.

For smaller motors, reduce head (H) with:

- 3% 16.8-22.8 Hp.

- 3% 8.5-11.5 Hp.

DO NOT FORGET THE SAFETY FACTOR



A = 8.661" D = 7.480"
 B = 8.268" E = 7.087"
 C = 7.874" F = 6.693"

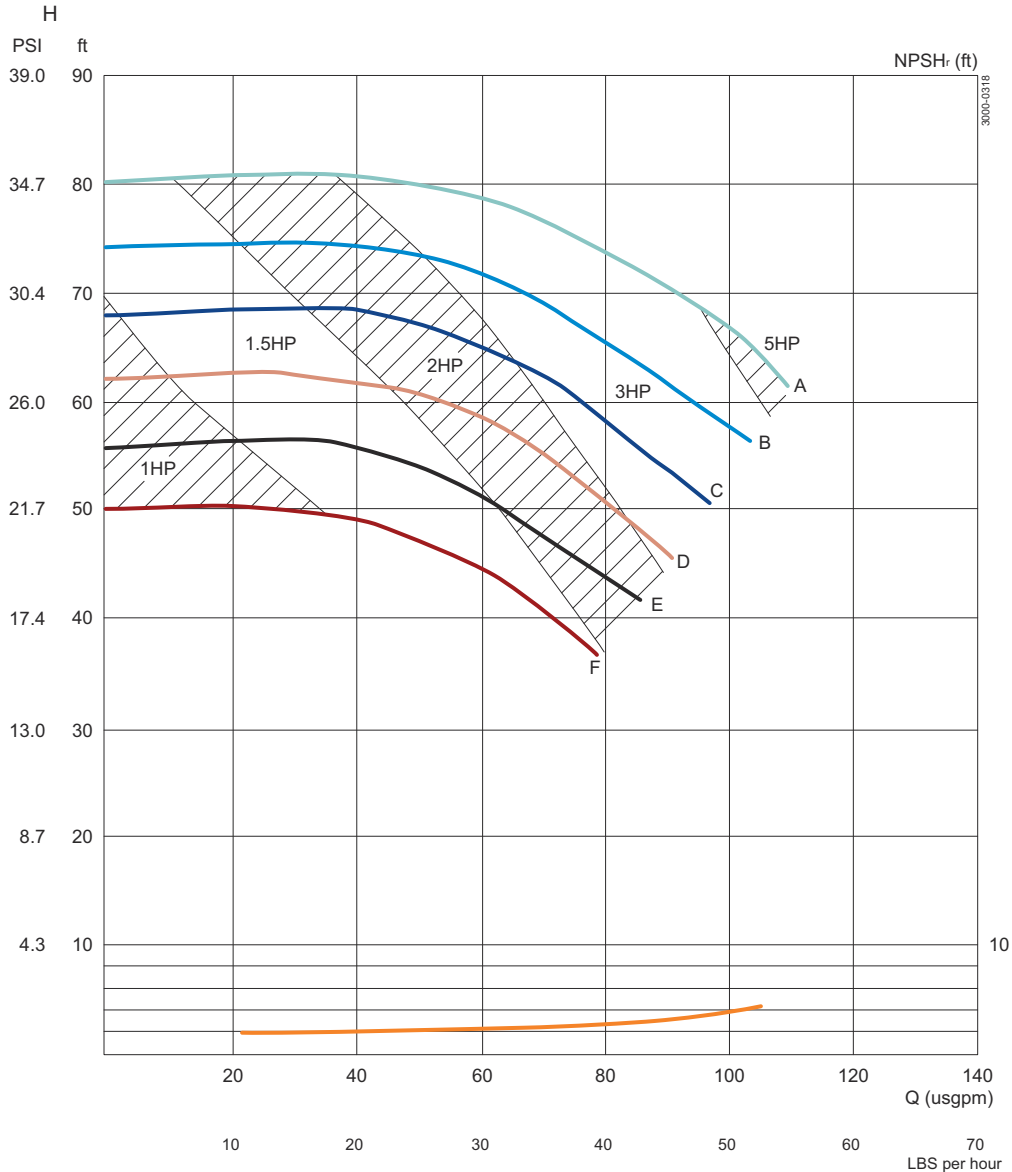
LKH-35, 60 Hz

Motor:	1800 rpm. synchron.
Tolerance:	±5%
Impeller, Max. dia.:	8.661"
Impeller, Min. dia.:	6.69"
Pump inlet, dia.:	2½", DN 65
Pump outlet, dia.:	2", DN 50
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 3.4 Hp, 1720 rpm. asynchron., 60 Hz. For smaller motors, reduce head (H) with 3%

DO NOT FORGET THE SAFETY FACTOR



A = 8.661"	D = 7.480"
B = 8.268"	E = 7.087"
C = 7.874"	F = 6.693"

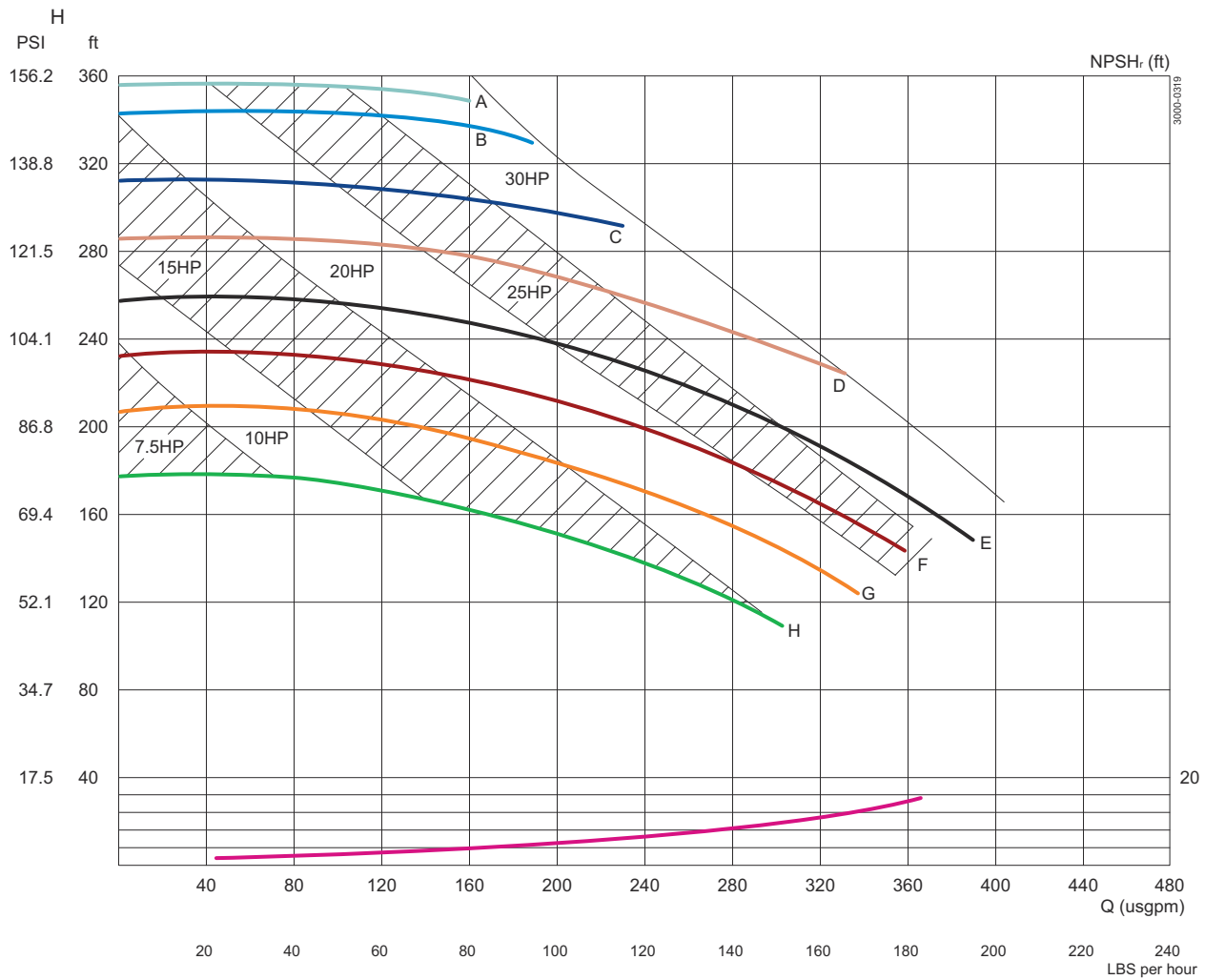
LKH-40, 60 Hz

Motor:	3600 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	9.291"
Impeller, Min. dia.:	6.693"
Pump inlet, dia.:	3", DN 80
Pump outlet, dia.:	2", DN 65
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 33.5 Hp, 2940 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with:
 - 3% for 16.8-28.2 Hp.
 - 5% for 11.5 Hp.

DO NOT FORGET THE SAFETY FACTOR



A = 9.252" D = 8.268" G = 7.087"
 B = 9.055" E = 7.874" H = 6.693"
 C = 8.661" F = 7.480"

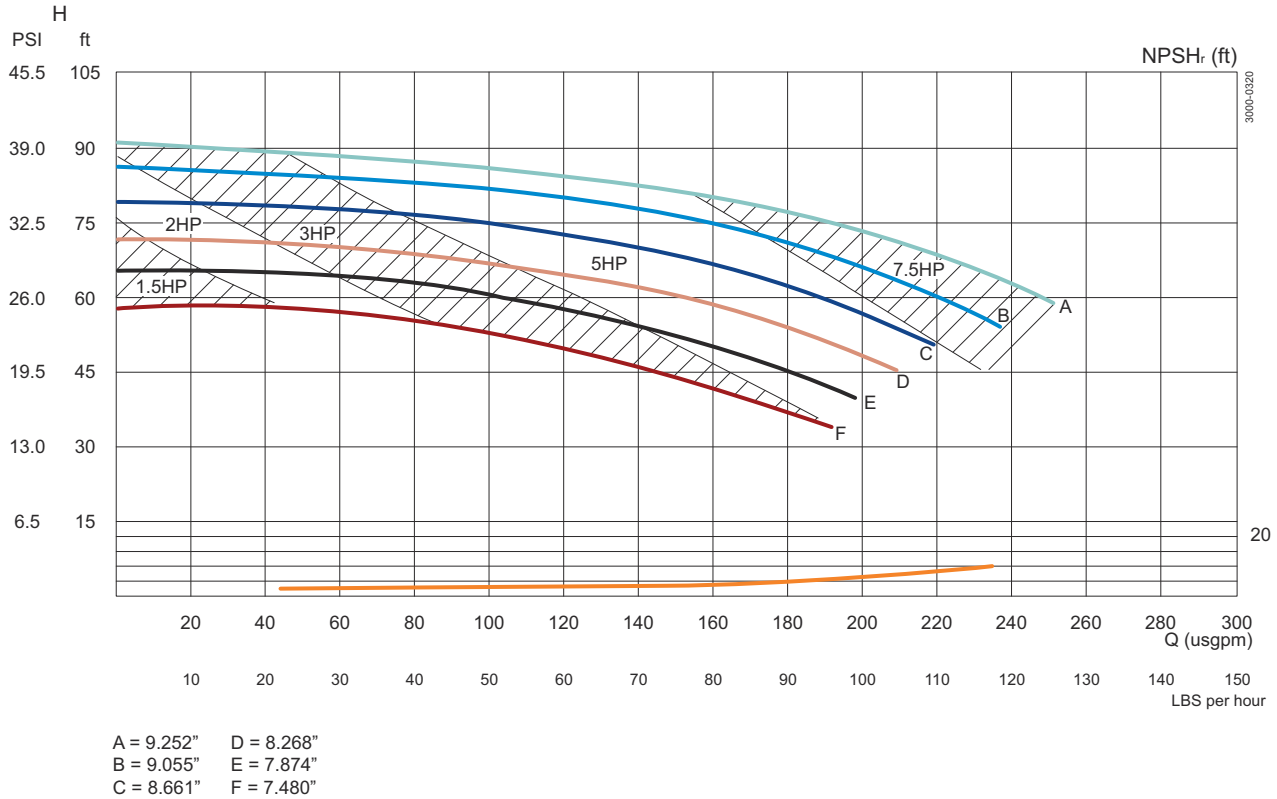
LKH-40, 60 Hz

Motor:	1800 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	9.291"
Impeller, Min. dia.:	7.480"
Pump inlet, dia.:	3", DN 80
Pump outlet, dia.:	2", DN 65
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 8.5 Hp, 1750 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with 5%

DO NOT FORGET THE SAFETY FACTOR



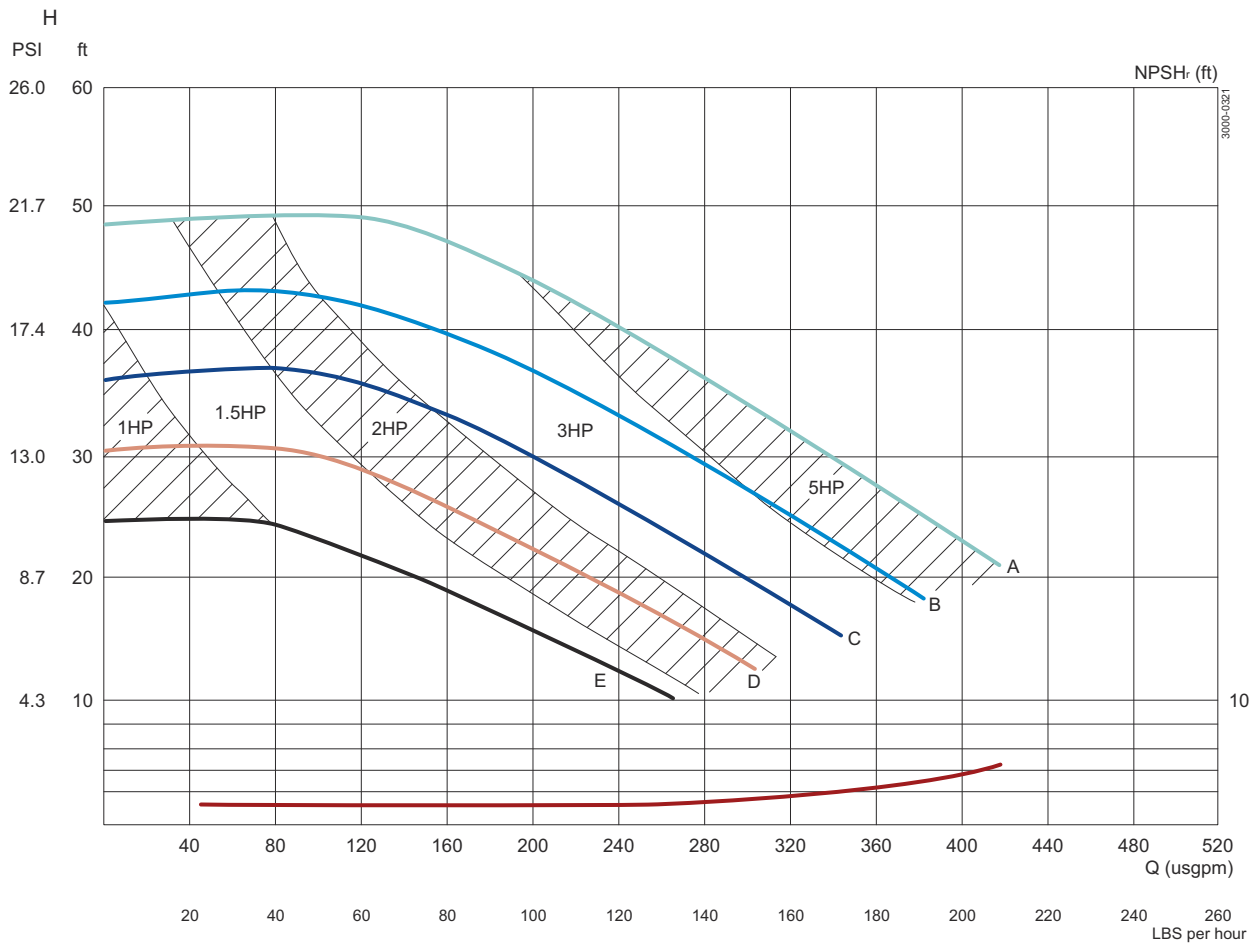
LKH-45, 60 Hz

Motor:	3600 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	7.008"
Impeller, Min. dia.:	5.512"
Pump inlet, dia.:	4", DN 100
Pump outlet, dia.:	3", DN 80
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 33.5 Hp, 3545 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with:
 - 3% for 16.8-28.2 Hp.
 - 5% for 8.5-11.5 Hp.

DO NOT FORGET THE SAFETY FACTOR



A = 7.008" D = 5.906"
 B = 6.693" E = 5.512"
 C = 6.299"

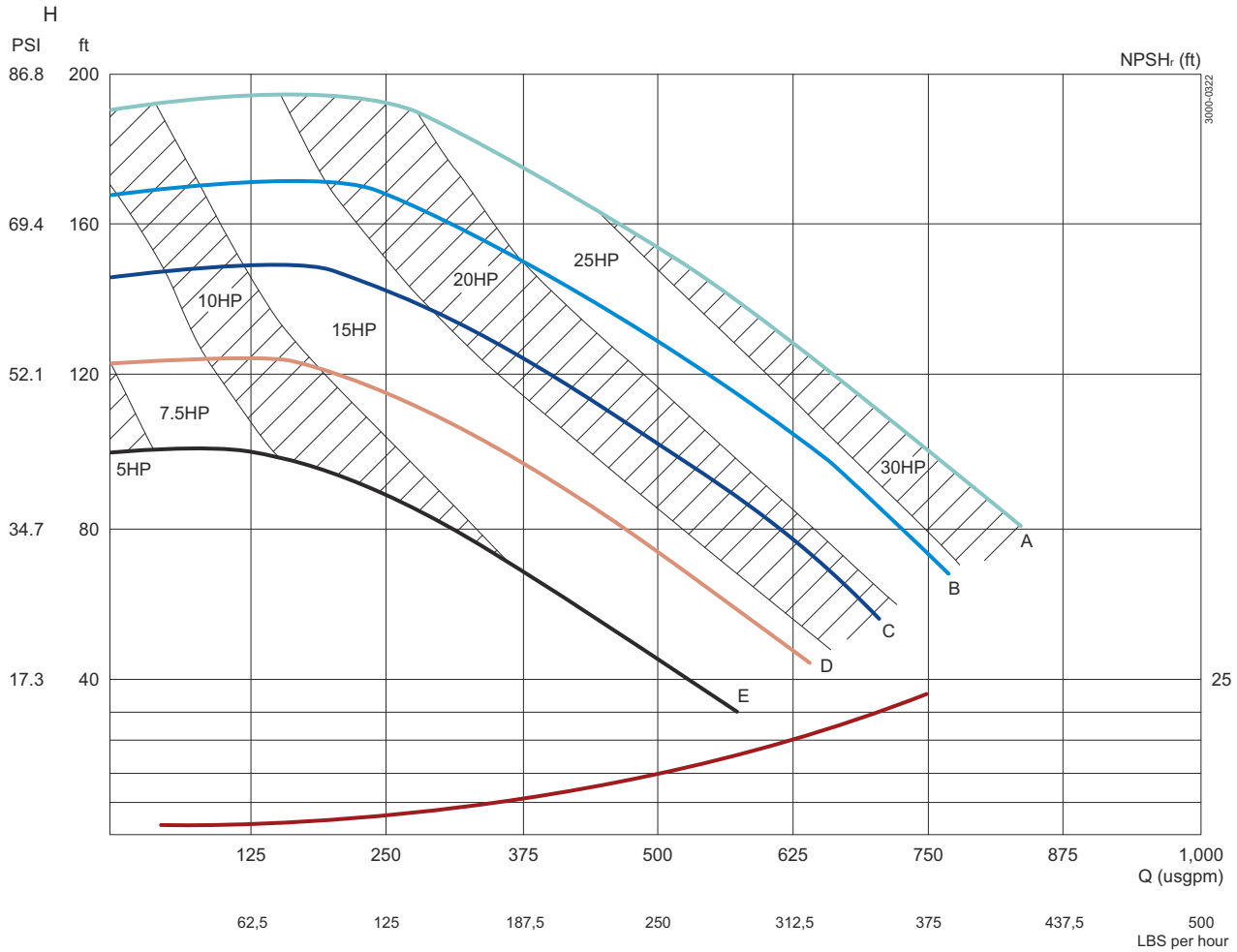
LKH-45, 60Hz

Motor:	1800 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	7.008"
Impeller, Min. dia.:	5.512"
Pump inlet, dia.:	4", DN 100
Pump outlet, dia.:	3", DN 80
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 4.7 Hp, 1720 rpm. asynchr., 60 Hz.
For smaller motors.

DO NOT FORGET THE SAFETY FACTOR



A = 7.008" D = 5.906"
B = 6.693" E = 5.512"
C = 6.299"

LKH-50, 60 Hz

Motor:	3600 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	8.070"
Impeller, Min. dia.:	5.906"
Pump inlet, dia.:	4", DN 100
Pump outlet, dia.:	3", DN 80
Performance data refer to water at 68 °F	



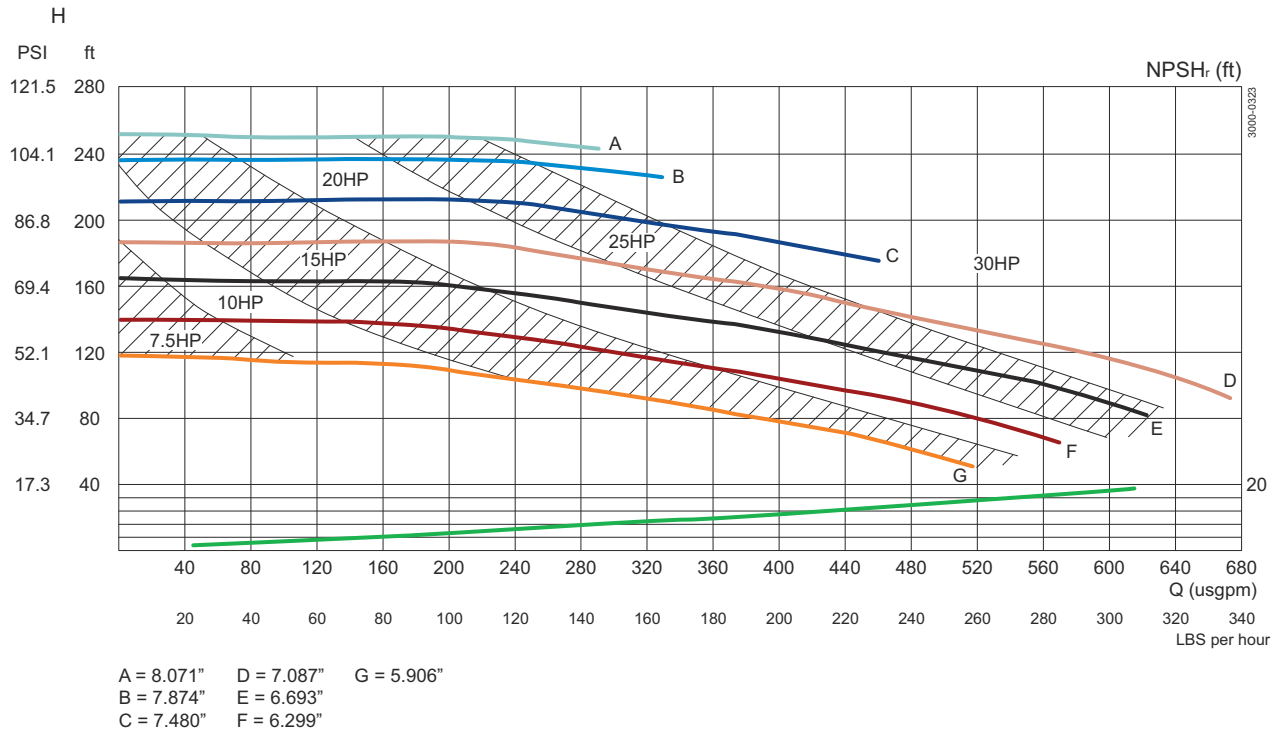
Note! The curves refer to motor: 33.5 Hp, 3500 rpm. asynchr., 60 Hz.

For smaller motors, reduce head (H) with:

- 3% for 16.8-28.2 Hp.

- 5% for 8.5-11.5 Hp.

DO NOT FORGET THE SAFETY FACTOR



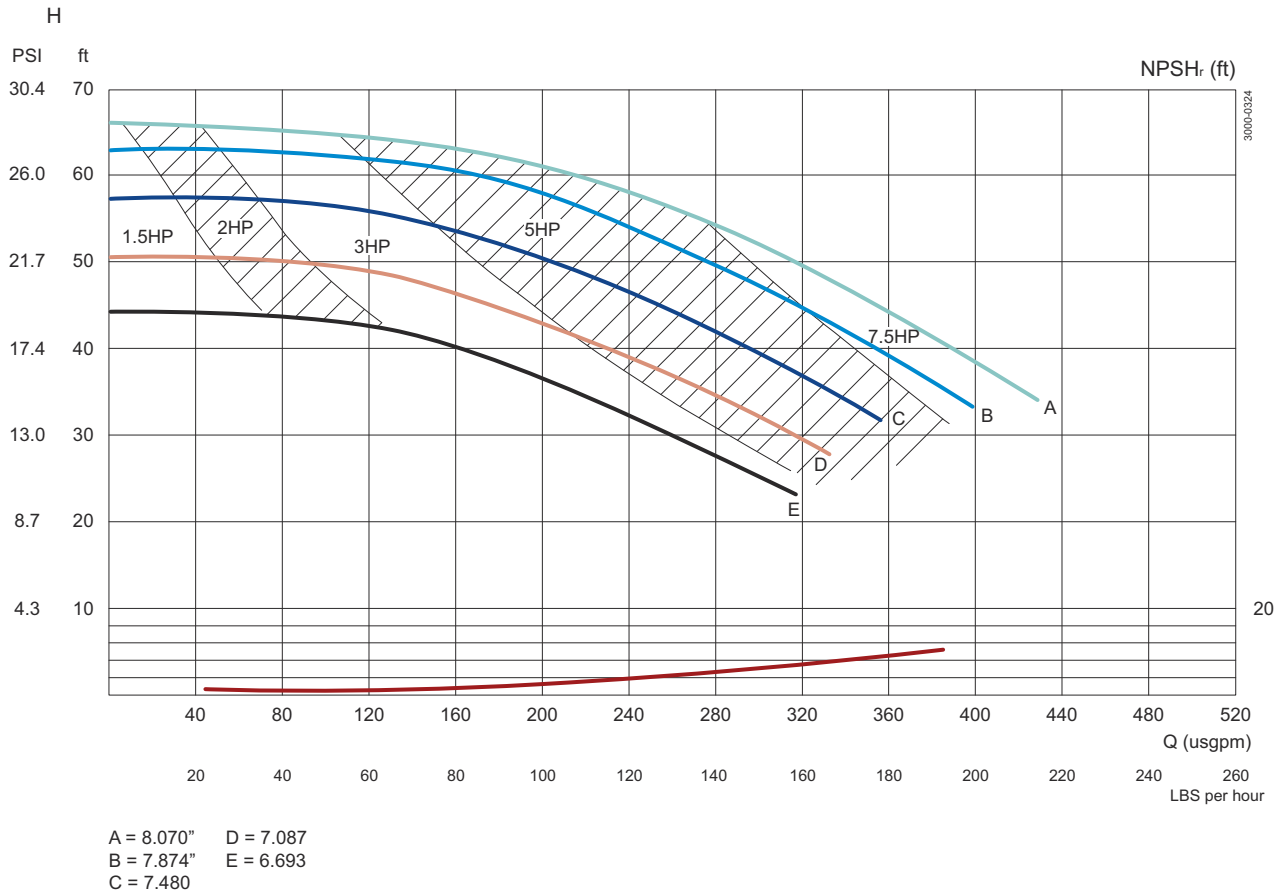
LKH-50, 60Hz

Motor:	1800 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	8.070"
Impeller, Min. dia.:	6.693"
Pump inlet, dia.:	4", DN 100
Pump outlet, dia.:	3", DN 80
Performance data refer to water at 68 °F	



The curves refer to motor: 6.0 Hp, 1750 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with 5%

DO NOT FORGET THE SAFETY FACTOR



LKH-60, 60 Hz

Motor:	3600 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	8.268"
Impeller, Min. dia.:	6.299"
Pump inlet, dia.:	4", DN 100
Pump outlet, dia.:	6", DN 150
Performance data refer to water at 68 °F	



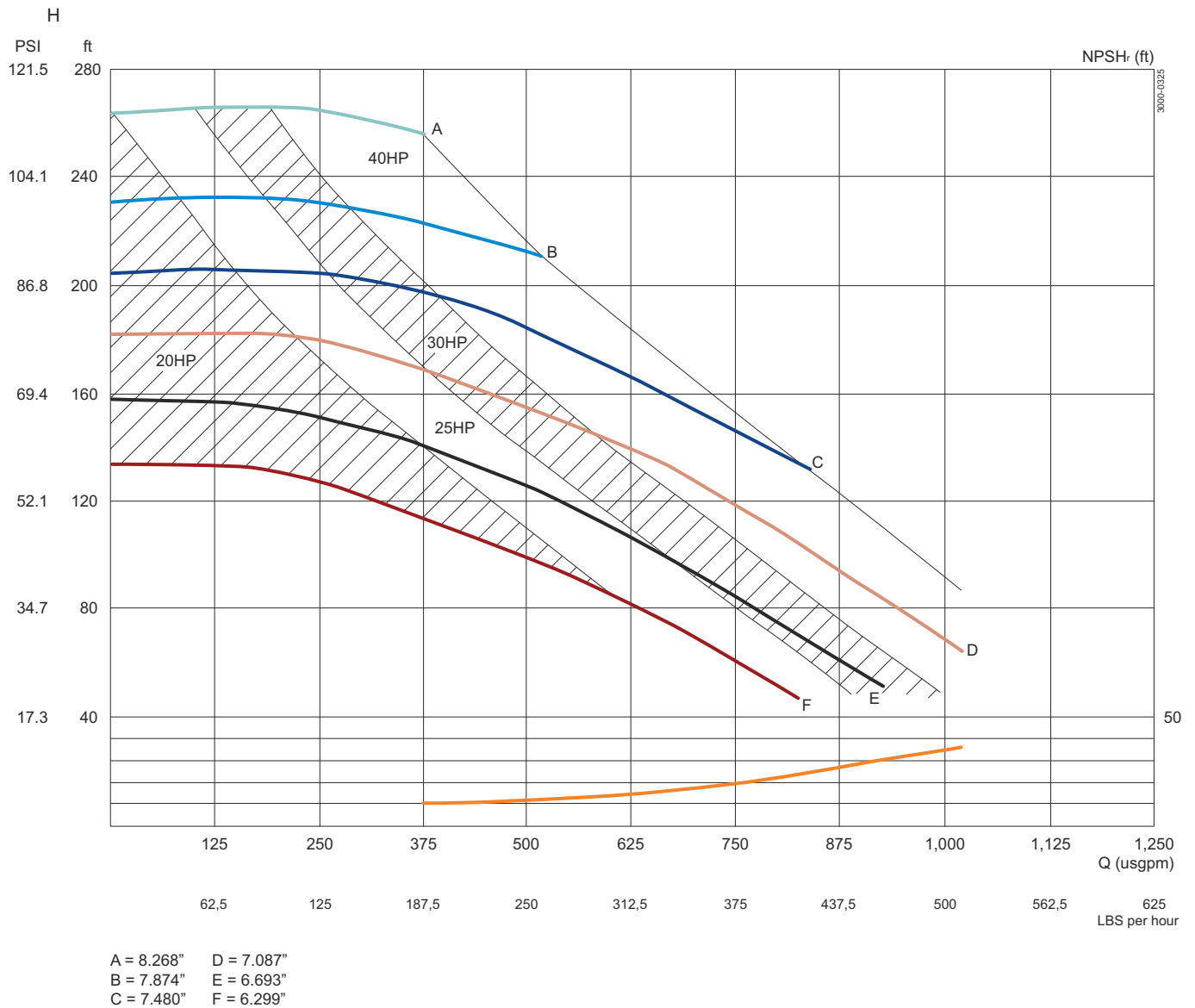
Note! The curves refer to motor: 46.9 Hp, 3500 rpm. asynchr., 60 Hz.

For smaller motors, reduce head (H) with:

3% for 16.8-28.2 Hp.

6% for 8.5-11.5 Hp.

DO NOT FORGET THE SAFETY FACTOR



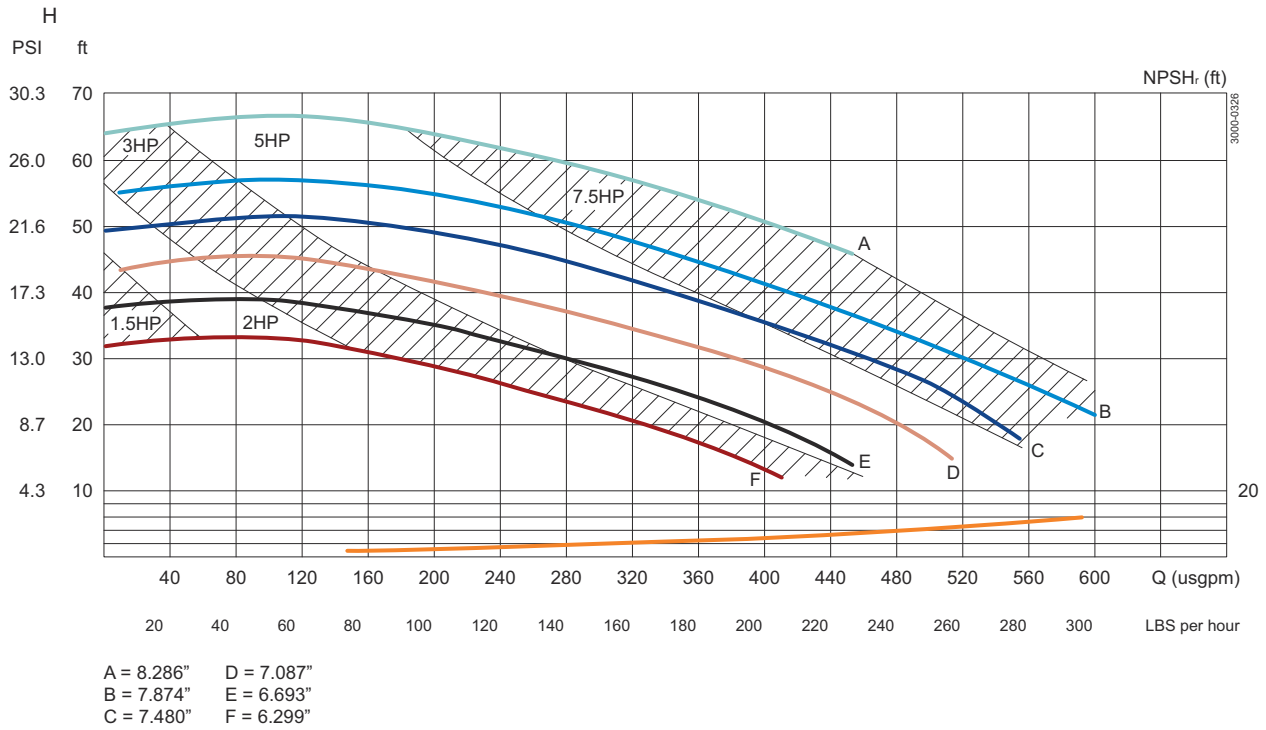
LKH-60, 60Hz

Motor:	1800 rpm. synchron.
Tolerance:	±5%
Impeller, Max. dia.:	8.268"
Impeller, Min. dia.:	6.299"
Pump inlet, dia.:	4", DN 100
Pump outlet, dia.:	6", DN 150
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 8.5 Hp, 1750 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with 5%.

DO NOT FORGET THE SAFETY FACTOR



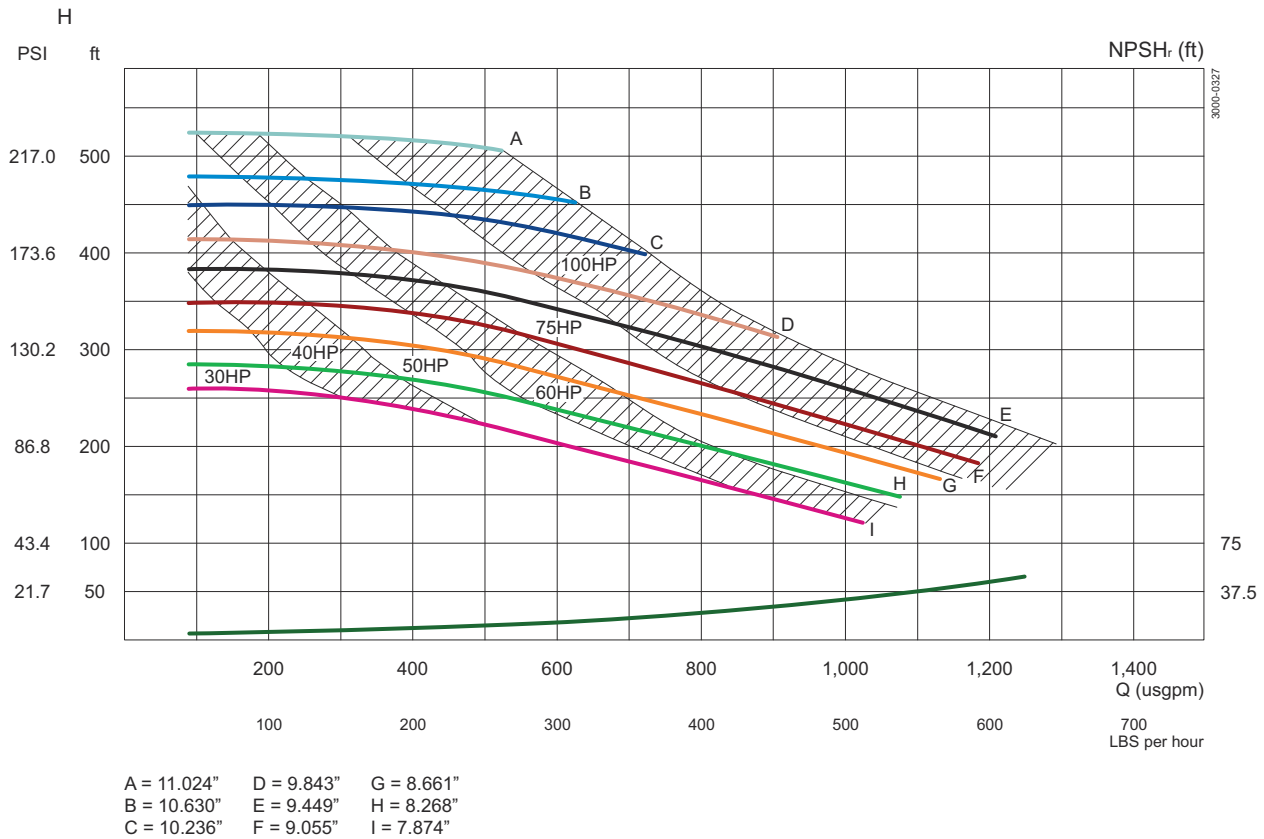
LKH-70, 60 Hz

Motor:	3600 rpm. synchron.
Tolerance:	±5%
Impeller, Max. dia.:	11.024"
Impeller, Min. dia.:	7.874"
Pump inlet, dia.:	4", DN 100
Pump outlet, dia.:	3", DN 80
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 115.3 Hp, 3565 rpm. asynchr., 60 Hz.
For smaller motors, reduce head (H) with: -3%.

DO NOT FORGET THE SAFETY FACTOR



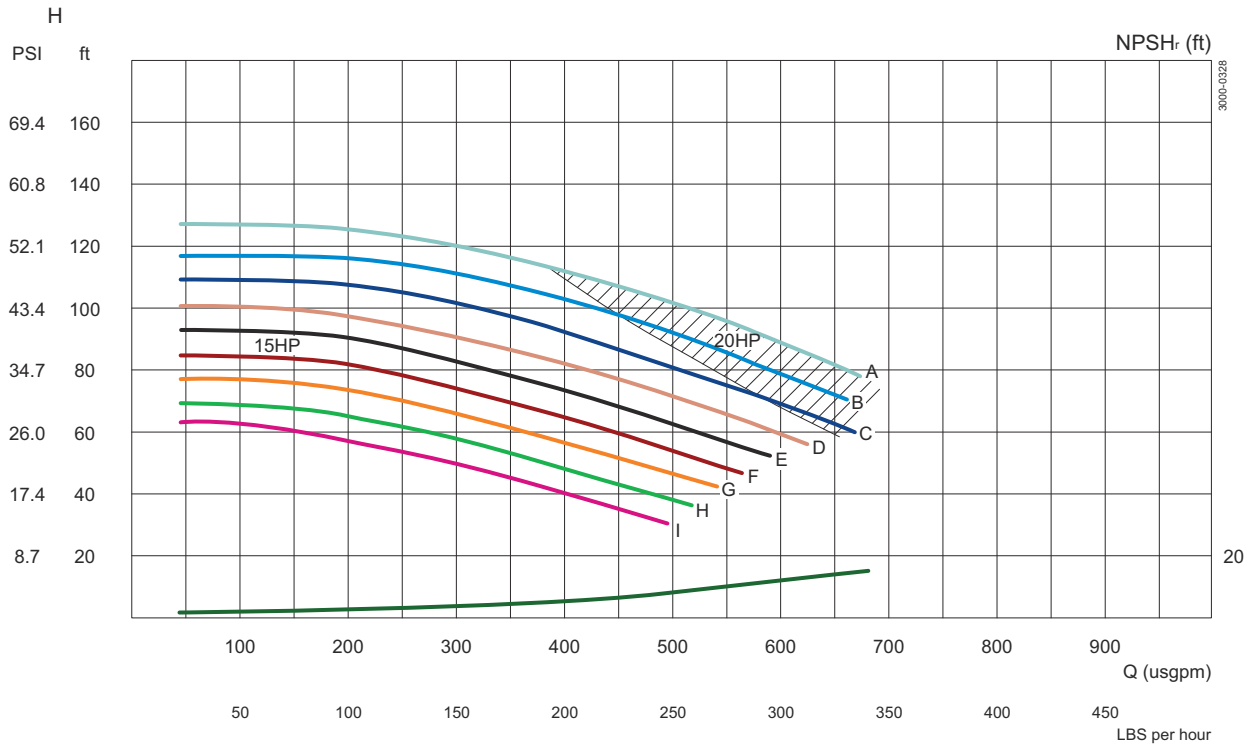
LKH-70, 60 Hz

Motor:	1800 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	11.024"
Impeller, Min. dia.:	7.874"
Pump inlet, dia.:	4", DN 100
Pump outlet, dia.:	3", DN 80
Performance data refer to water at 68 °F	



Note! The curves refer to max. motor: 22.8 Hp, 1750 rpm. asynchr., 60 Hz.

DO NOT FORGET THE SAFETY FACTOR



A = 11.024"	D = 9.843"	G = 8.661"
B = 10.630"	E = 9.449"	H = 8.268"
C = 10.236"	F = 9.055"	I = 7.874"

LKH-75, 60 Hz

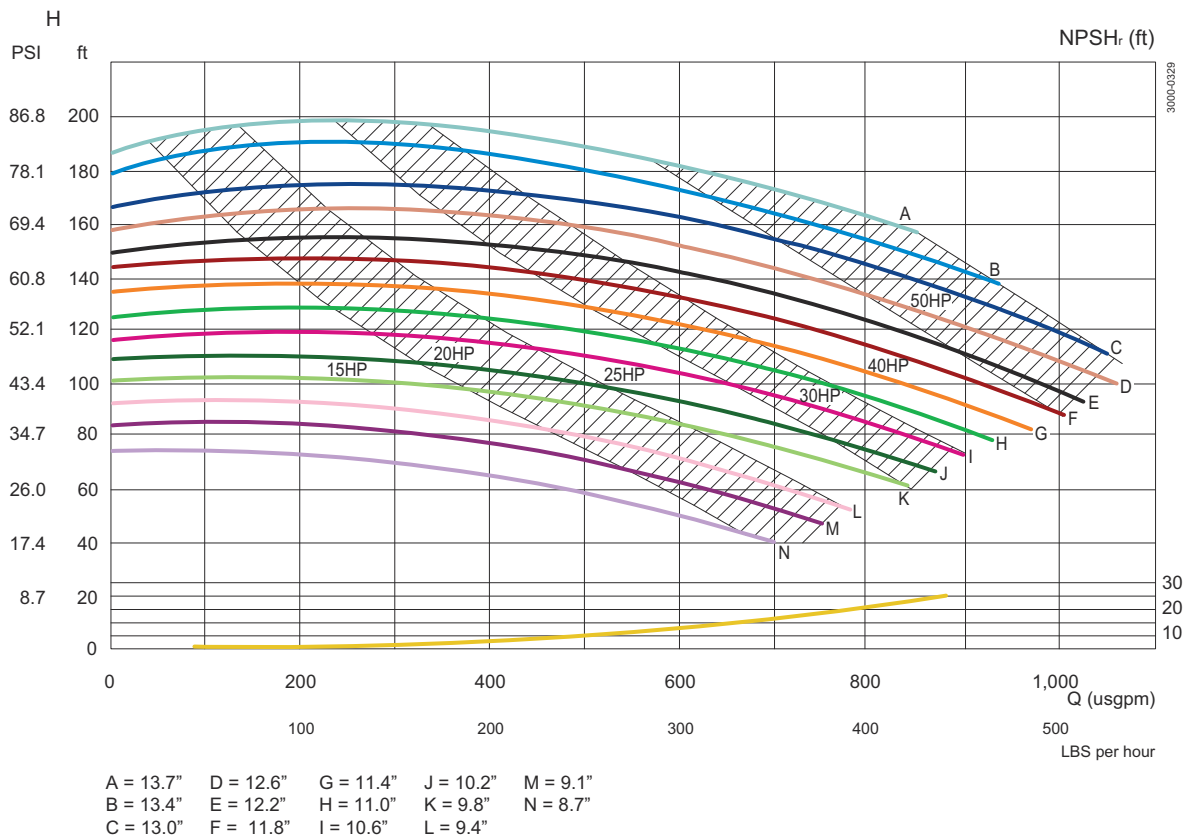
Motor:	1800 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	13.7"
Impeller, Min. dia.:	8.7"
Pump inlet, Dia.:	4" DN100
Pump outlet, Dia.:	4" DN100

Performance data refer to water at 68°F (20°C).



Note! The curves refer to max. motor: 40 Hp (30 kW), 1775 rpm. asynchr., 60 Hz. If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

DO NOT FORGET THE SAFETY FACTOR.



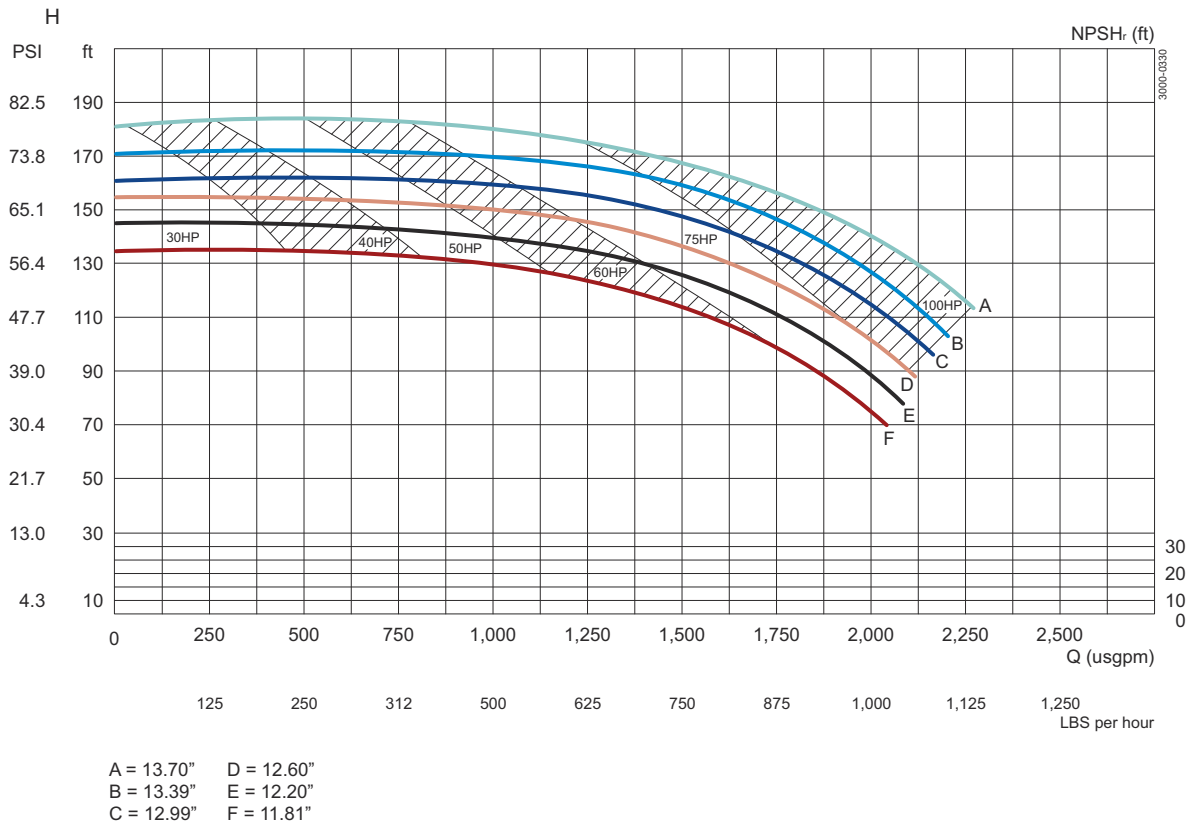
LKH-90, 60 Hz

	60 Hz
Motor:	1800 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	13.7"
Impeller, Min. dia.:	11.81"
Pump inlet, dia.:	6", DN 150
Pump outlet, dia.:	6", DN 150
Performance data refer to water at 68 °F	



Note! The curves refer to motor: 75 kW, 1490 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR



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