

# Alfa Laval LKH

## Performance curves

### LKH-5, 50 Hz

Motor:	<b>3000 rpm. synchr.</b>
Tolerance:	±5%
Impeller, Max. dia.:	132 mm
Impeller, Min. dia.:	90 mm
Pump inlet, dia.:	51 mm, DN 50
Pump outlet, dia.:	38 mm, DN 40
Performance data refer to water at 20 °C	

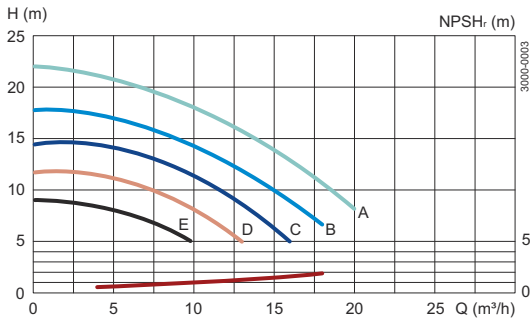
**Note!** The curves refer to motor: 1.5 kW, 2870 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR

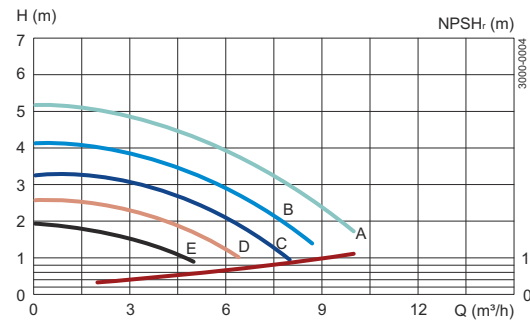
Motor:	<b>1500 rpm. synchr.</b>
Tolerance:	±5%
Impeller, Max. dia.:	132 mm
Impeller, Min. dia.:	90 mm
Pump inlet, dia.:	51 mm, DN 50
Pump outlet, dia.:	38 mm, DN 40
Performance data refer to water at 20 °C	

**Note!** The curves refer to motor: 1.1 kW, 1410 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%.

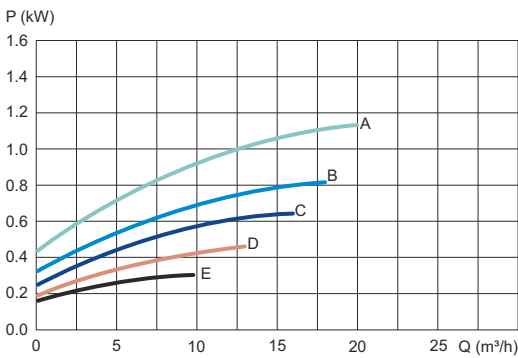
DO NOT FORGET THE SAFETY FACTOR



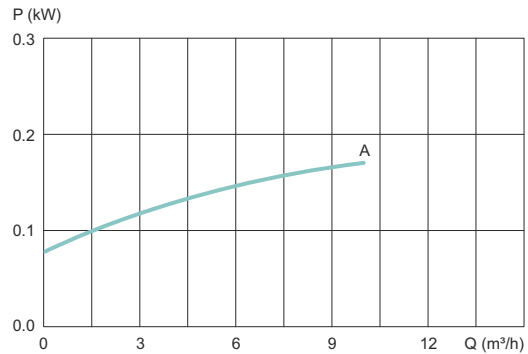
A = 132 D = 100  
B = 120 E = 90  
C = 110



A = 132 D = 100  
B = 120 E = 90  
C = 110




A = 132 D = 100  
B = 120 E = 90  
C = 110



A = 132


### LKH-5, 60 Hz

Motor:	<b>3600 rpm. synchr.</b>
Tolerance:	±5%
Impeller, Max. dia.:	132 mm
Impeller, Min. dia.:	90 mm
Pump inlet, dia.:	51 mm, DN 50
Pump outlet, dia.:	38 mm, DN 40
Performance data refer to water at 20 °C	

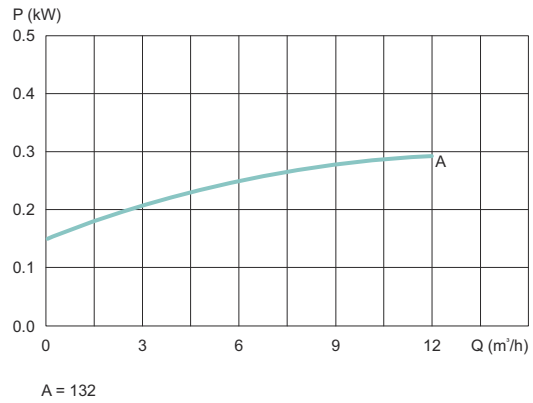
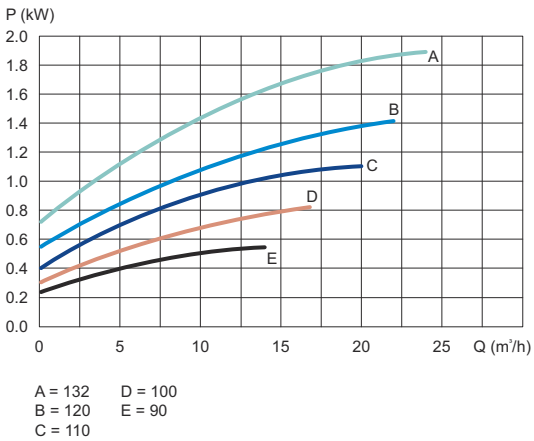
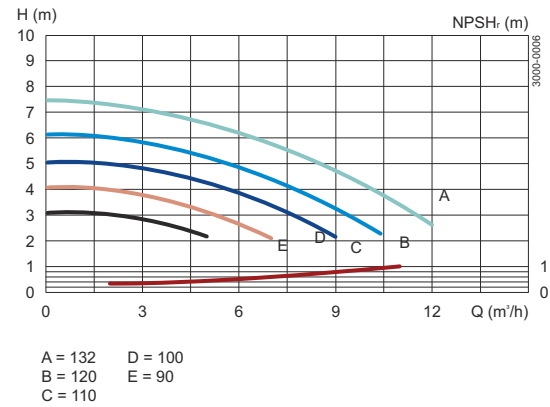
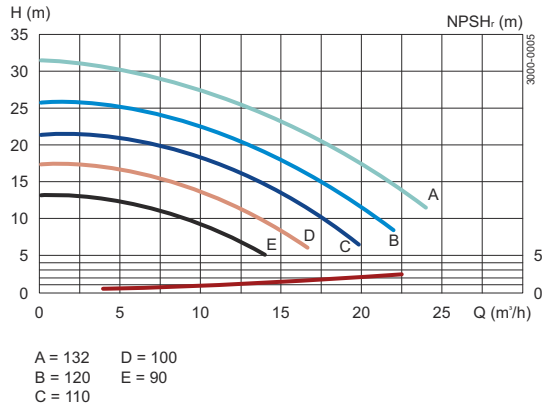
 **Note!** The curves refer to motor: 2.5 kW, 3460 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR

Motor:	<b>1800 rpm. synchr</b>
Tolerance:	±5%
Impeller, Max. dia.:	132 mm
Impeller, Min. dia.:	90 mm
Pump inlet, dia.:	51 mm, DN 50
Pump outlet, dia.:	38 mm, DN 40
Performance data refer to water at 20 °C	


 **Note!** The curves refer to motor: 1.3 kW, 1700 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR




### LKH-10, 50 Hz

Motor:	<b>3000 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	163 mm
Impeller, Min. dia.:	110 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50
Performance data refer to water at 20 °C	

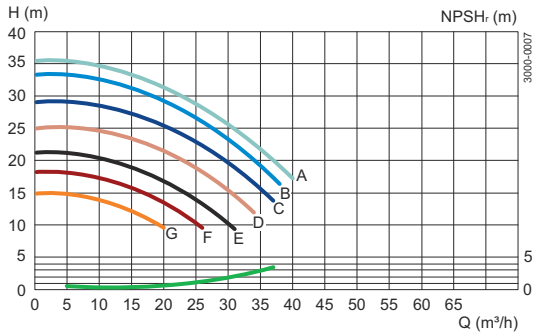
 **Note!** The curves refer to motor: 4 kW, 2840 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%

DO NOT FORGET THE SAFETY FACTOR

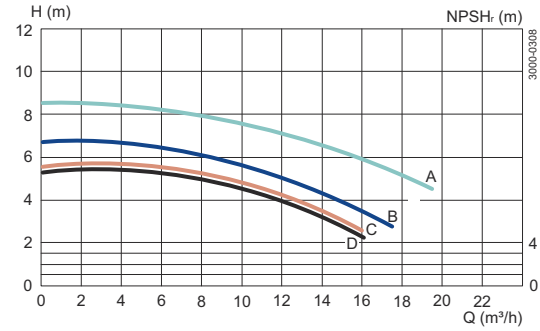
Motor:	<b>1500 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	163 mm
Impeller, Min. dia.:	130 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50
Performance data refer to water at 20 °C	

 **Note!** The curves refer to motor: 1.5 kW, 1420 rpm. asynchr., 50 Hz.

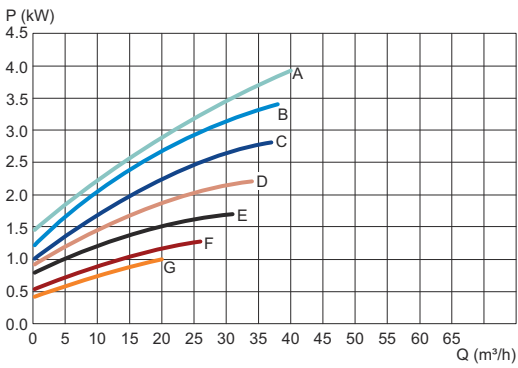
DO NOT FORGET THE SAFETY FACTOR



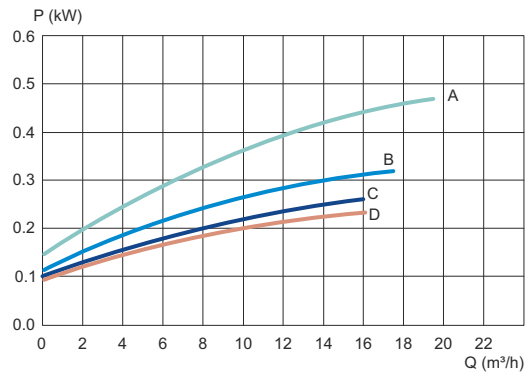
A = 163    D = 140    G = 110  
 B = 160    E = 130  
 C = 150    F = 120



A = 163    C = 140  
 B = 150    D = 130




A = 163    D = 140    G = 110  
 B = 160    E = 130  
 C = 150    F = 120



A = 163    C = 140  
 B = 150    D = 130


### LKH-10, 60Hz

Motor:	<b>3600 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	163 mm
Impeller, Min. dia.:	110 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50
Performance data refer to water at 20 °C	

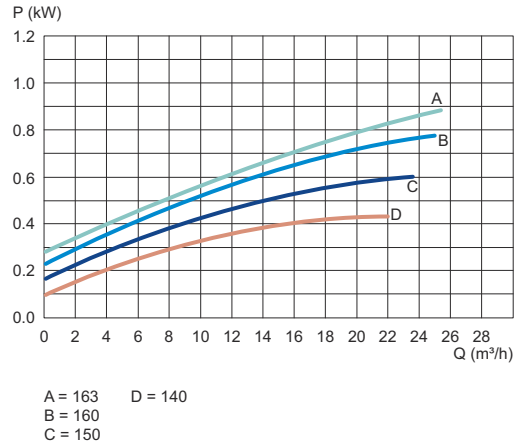
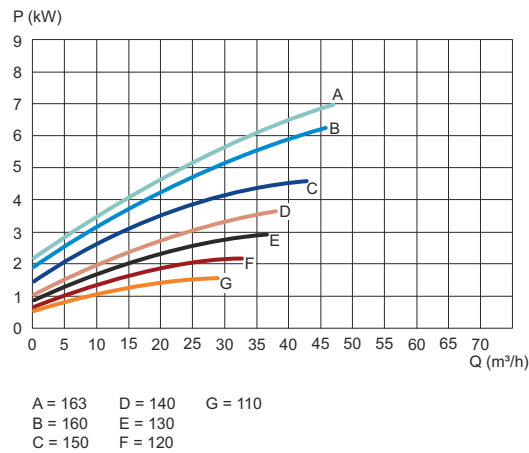
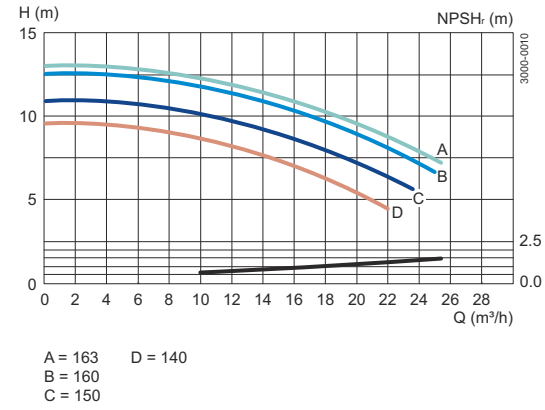
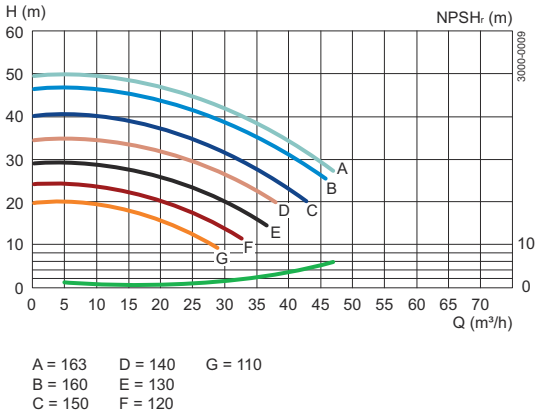
 **Note!** The curves refer to motor: 8.6 kW, 3500 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR

Motor:	<b>1800 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	163 mm
Impeller, Min. dia.:	140 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50
Performance data refer to water at 20 °C	


 **Note!** The curves refer to motor: 1.75 kW, 1750 rpm. asynchr., 60 Hz.

DO NOT FORGET THE SAFETY FACTOR




### LKH-15, 50 Hz

Motor:	3000 rpm. synchron.
Tolerance:	±5%
Impeller, Max. dia.:	138 mm
Impeller, Min. dia.:	120 mm
Pump inlet, dia.:	101.6 mm, DN 100
Pump outlet, dia.:	76 mm, DN 80
Performance data refer to water at 20 °C	

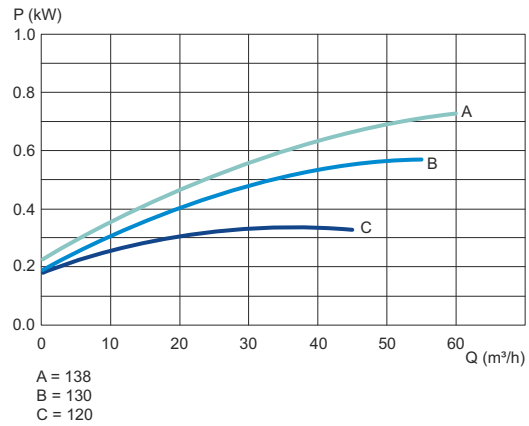
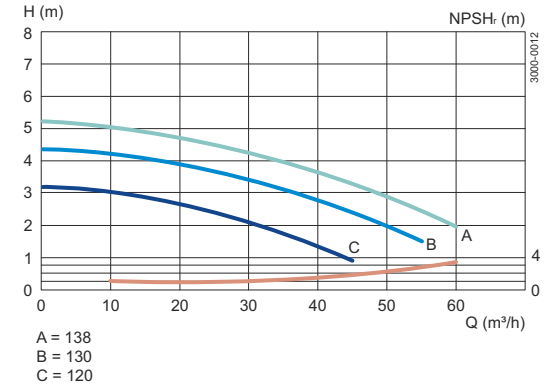
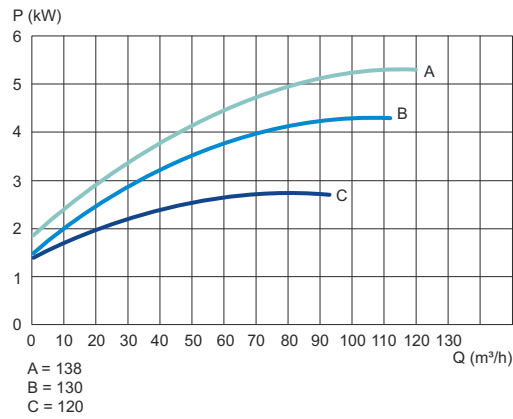
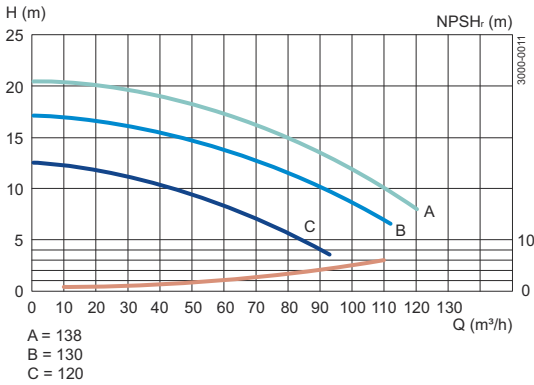
 **Note!** The curves refer to motor: 5.5 kW, 2865 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR

Motor:	1500 rpm. synchron.
Tolerance:	±5%
Impeller, Max. dia.:	138 mm
Impeller, Min. dia.:	120 mm
Pump inlet, dia.:	101.6 mm, DN 100
Pump outlet, dia.:	76 mm, DN 80
Performance data refer to water at 20 °C	


 **Note!** The curves refer to motor: 1.5 kW, 1420 rpm. asynchr., 50 Hz.

DO NOT FORGET THE SAFETY FACTOR




### LKH-15, 60 HZ

Motor:	<b>3600 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	138 mm
Impeller, Min. dia.:	120 mm
Pump inlet, dia.:	101.6 mm, DN 100
Pump outlet, dia.:	76 mm, DN 80
Performance data refer to water at 20 °C	

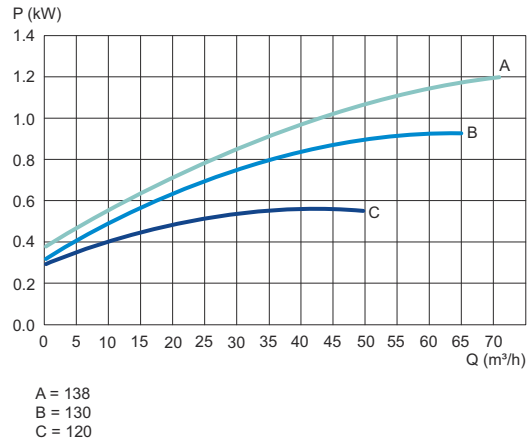
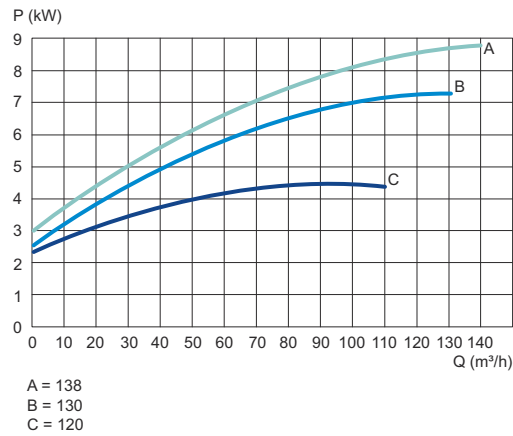
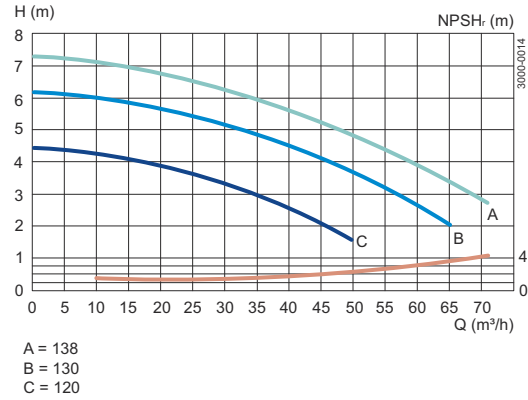
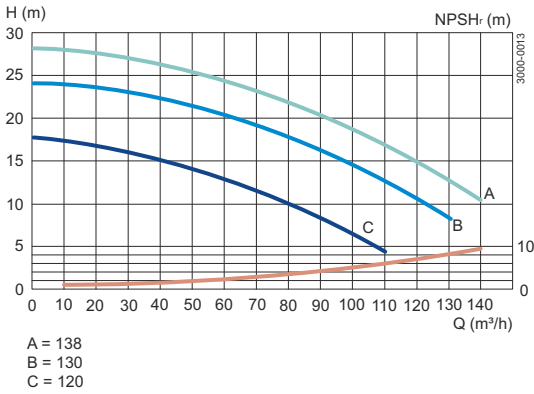
 **Note!** The curves refer to motor: 5.5 kW, 2865 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR

Motor:	<b>1800 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	138 mm
Impeller, Min. dia.:	120 mm
Pump inlet, dia.:	101.6 mm, DN 100
Pump outlet, dia.:	76 mm, DN 80
Performance data refer to water at 20 °C	


 **Note!** The curves refer to motor: 1.5 kW, 1420 rpm. asynchr., 50 Hz.

DO NOT FORGET THE SAFETY FACTOR




### LKH-20, 50 Hz

Motor:	<b>3000 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	165 mm
Impeller, Min. dia.:	120 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50
Performance data refer to water at 20 °C	

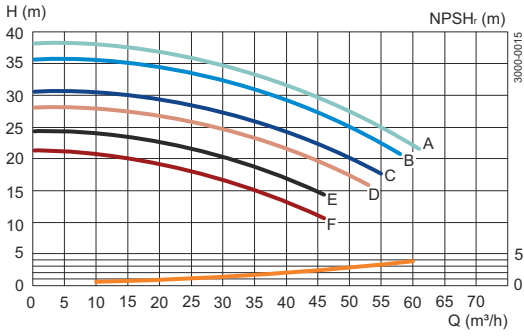
 **Note!** The curves refer to motor: 7.5 kW, 2870 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR

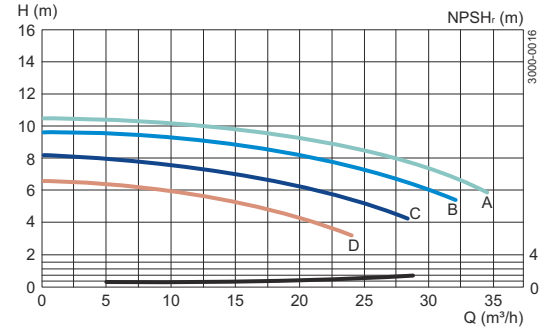
Motor:	<b>1500 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	165 mm
Impeller, Min. dia.:	140 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50
Performance data refer to water at 20 °C	

 **Note!** The curves refer to motor: 1.5 kW, 1420 rpm. asynchr., 50 Hz.

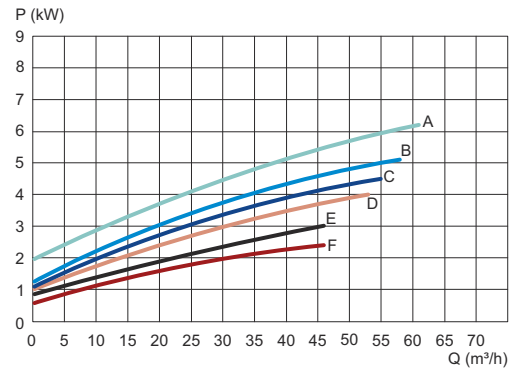
DO NOT FORGET THE SAFETY FACTOR



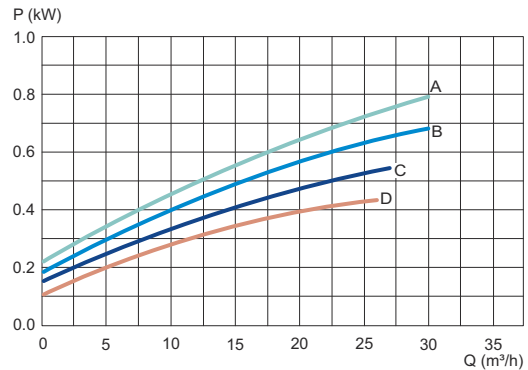
A = 165 D = 140  
 B = 160 E = 130  
 C = 150 F = 120



A = 165 D = 140  
 B = 160  
 C = 150



A = 165 D = 140  
 B = 160 E = 130  
 C = 150 F = 120




A = 165 D = 140  
 B = 160  
 C = 150

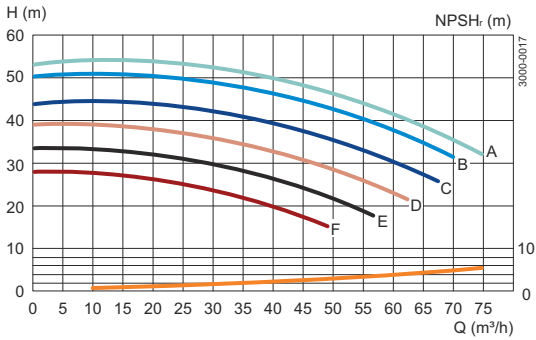
### LKH-20, 60 Hz

Motor:	<b>3600 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	165 mm
Impeller, Min. dia.:	120 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50

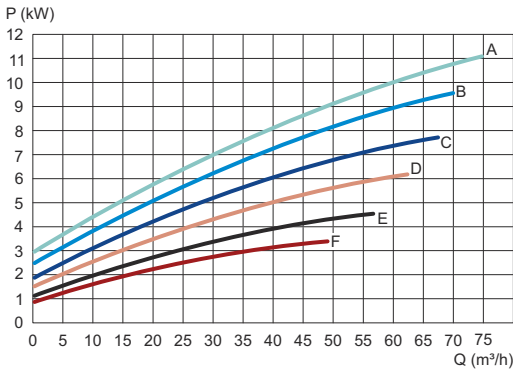
Performance data refer to water at 20 °C

 **Note!** The curves refer to motor: 12.5 kW, 3500 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR




A = 165 D = 140  
 B = 160 E = 130  
 C = 150 F = 120



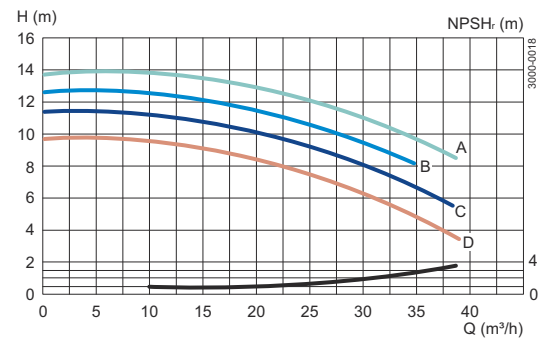
A = 165 D = 140  
 B = 160 E = 130  
 C = 150 F = 120

Motor:	<b>1800 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	165 mm
Impeller, Min. dia.:	140 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50

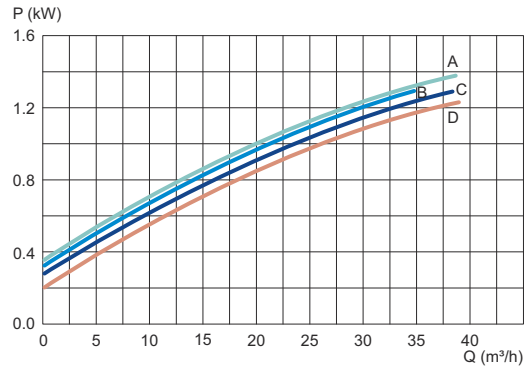
Performance data refer to water at 20 °C

 **Note!** The curves refer to motor: 1.75 kW, 1750 rpm. asynchr., 60 Hz.

DO NOT FORGET THE SAFETY FACTOR




A = 165 D = 140  
 B = 160  
 C = 150



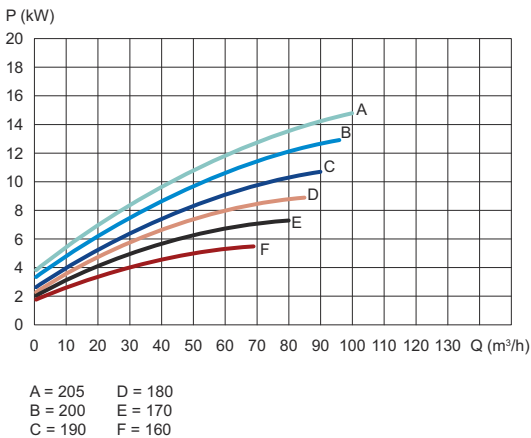
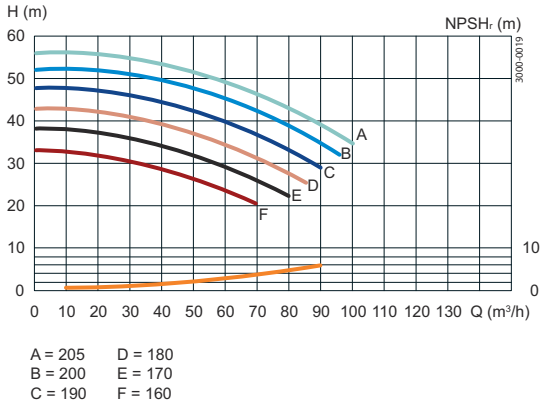
A = 165 D = 140  
 B = 160  
 C = 150

### LKH-25, 50 Hz


Motor:	<b>3000 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	205 mm
Impeller, Min. dia.:	160 mm
Pump inlet, dia.:	76 mm, DN 80
Pump outlet, dia.:	63.5 mm, DN 65
Performance data refer to water at 20°C	

 **Note!** The curves refer to motor: 15 kW, 2930 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with 3%

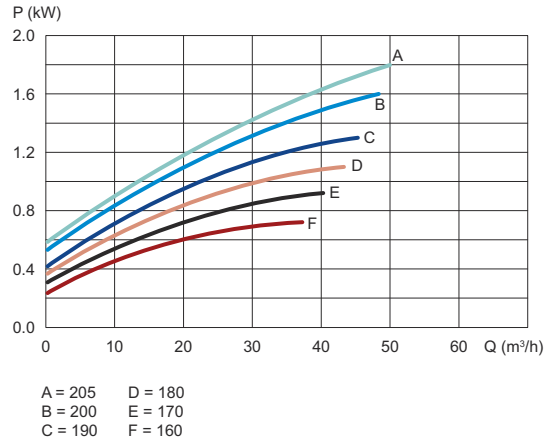
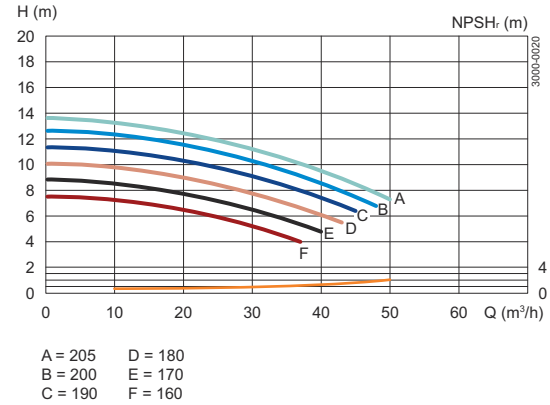
DO NOT FORGET THE SAFETY FACTOR



Motor:	<b>1500 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	205 mm
Impeller, Min. dia.:	160 mm
Pump inlet, dia.:	76 mm, DN 80
Pump outlet, dia.:	63.5 mm, DN 65
Performance data refer to water at 20°C	

 **Note!** The curves refer to motor: 2.2 kW, 1430 rpm. asynchr., 50 Hz.

DO NOT FORGET THE SAFETY FACTOR



### LKH-25, 60 Hz

Motor:	<b>3600 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	205 mm
Impeller, Min. dia.:	160 mm
Pump inlet, dia.:	76 mm, DN 80
Pump outlet, dia.:	63.5 mm, DN 65
Performance data refer to water at 20 °C	



**Note!** The curves refer to motor: 25 kW, 3545 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with:  
 - 3% for 12.5 - 21 kW.  
 - 5% for 6,3 - 8.6 kW.

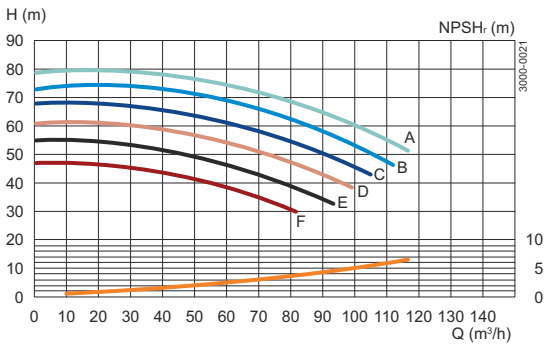
DO NOT FORGET THE SAFETY FACTOR

Motor:	<b>1800 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	205 mm
Impeller, Min. dia.:	160 mm
Pump inlet, dia.:	76 mm, DN 80
Pump outlet, dia.:	63.5 mm, DN 65
Performance data refer to water at 20 °C	

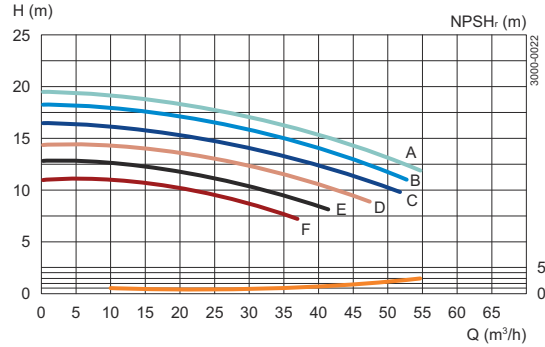


**Note!** The curves refer to motor: 3.5 kW, 1720 rpm. asynchr., 60 Hz.

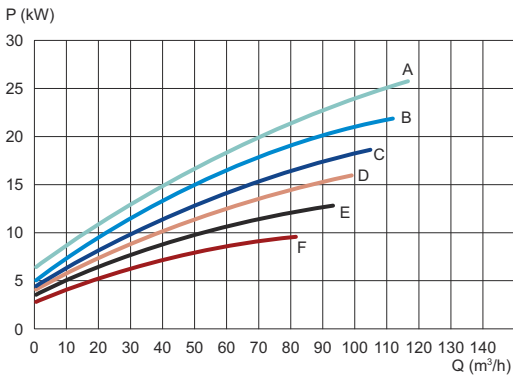
DO NOT FORGET THE SAFETY FACTOR



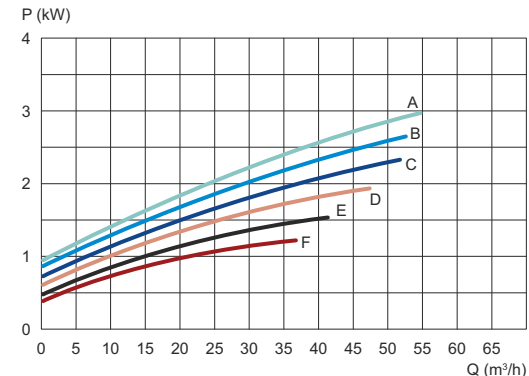
A = 205    D = 180  
 B = 200    E = 170  
 C = 190    F = 160



A = 205    D = 180  
 B = 200    E = 170  
 C = 190    F = 160




A = 205    D = 180  
 B = 200    E = 170  
 C = 190    F = 160



A = 205    D = 180  
 B = 200    E = 170  
 C = 190    F = 160


### LKH-35, 50 Hz

Motor:	<b>3000 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	220 mm
Impeller, Min. dia.:	170 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50
Performance data refer to water at 20 °C	

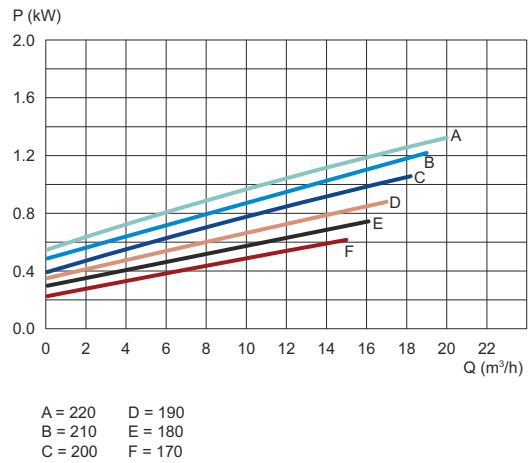
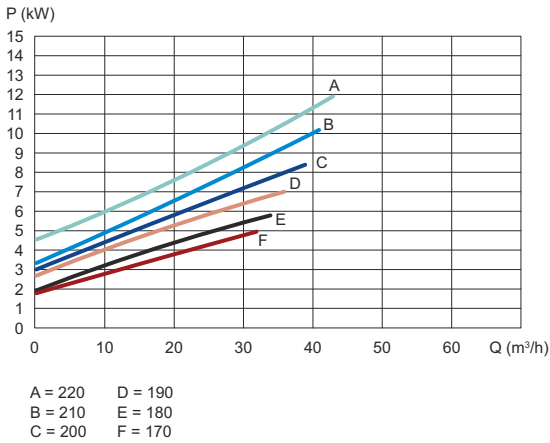
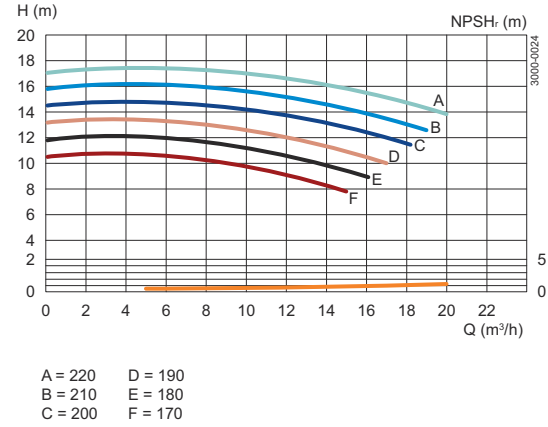
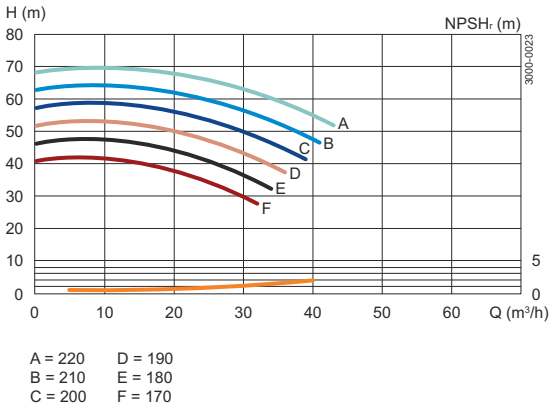
 **Note!** The curves refer to motor: 15 kW, 2930 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR

Motor:	<b>1500 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	220 mm
Impeller, Min. dia.:	170 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50
Performance data refer to water at 20 °C	

 **Note!** The curves refer to motor: 1.5 kW, 1420 rpm. asynchr., 50 Hz.

DO NOT FORGET THE SAFETY FACTOR



### LKH-35, 60 Hz

Motor:	<b>3600 rpm. synchr.</b>
Tolerance:	±5%
Impeller, Max. dia.:	220 mm
Impeller, Min. dia.:	170 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50
Performance data refer to water at 20 °C	

**Note!** The curves refer to motor: 21 kW, 3535 rpm. asynchr., 50

Hz.

For smaller motors, reduce head (H) with:

-3% for 12.5-17 kW.

-5% for 6.3 - 8.6 kW.



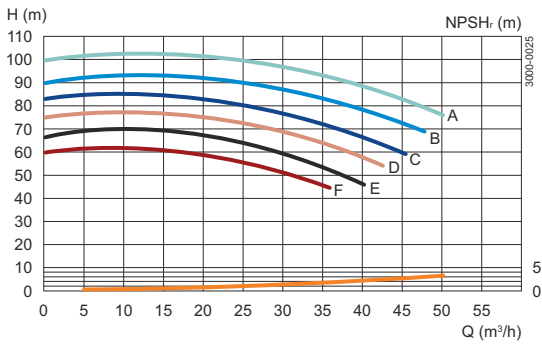
DO NOT FORGET THE SAFETY FACTOR

Motor:	<b>1800 rpm. synchr.</b>
Tolerance:	±5%
Impeller, Max. dia.:	220 mm
Impeller, Min. dia.:	170 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50
Performance data refer to water at 20 °C	

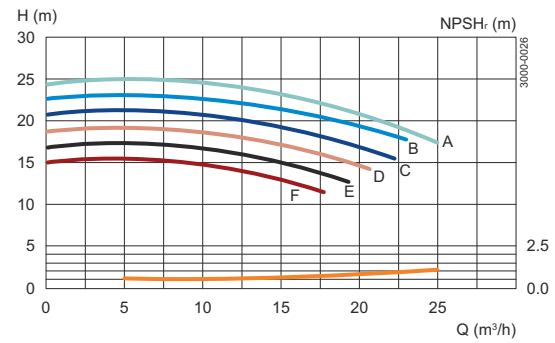
**Note!** The curves refer to motor: 2.5 kW, 1720 rpm. asynchr., 60 Hz.



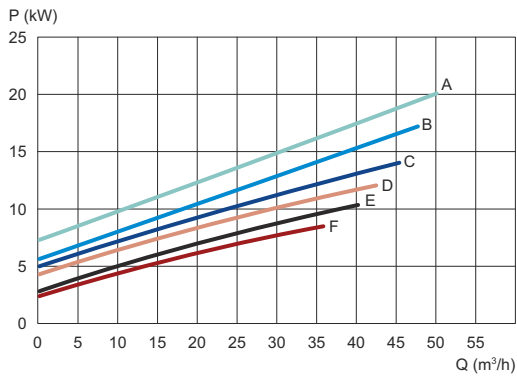
DO NOT FORGET THE SAFETY FACTOR



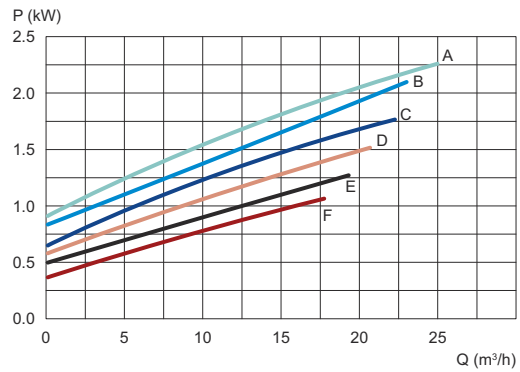
A = 220 D = 190  
 B = 210 E = 180  
 C = 200 F = 170



A = 220 D = 190  
 B = 210 E = 180  
 C = 200 F = 170



A = 220 D = 190  
 B = 210 E = 180  
 C = 200 F = 170



A = 220 D = 190  
 B = 210 E = 180  
 C = 200 F = 170

### LKH-40, 50 Hz

Motor:	<b>3000 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	236 mm
Impeller, Min. dia.:	170 mm
Pump inlet, dia.:	76 mm, DN 80
Pump outlet, dia.:	63.5 mm, DN 65
Performance data refer to water at 20 °C	



**Note!** The curves refer to motor: 22 kW, 2940 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with:  
 - 3% for 11-18.5 kW  
 - 5% for 7.5 kW

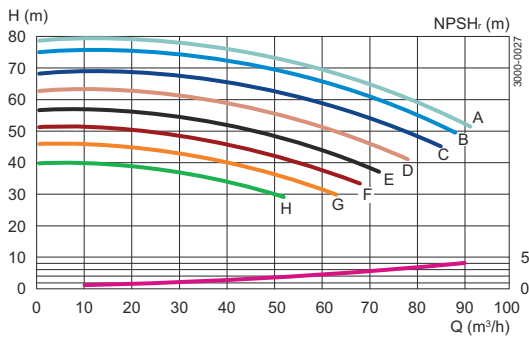
DO NOT FORGET THE SAFETY FACTOR

Motor:	<b>1500 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	236 mm
Impeller, Min. dia.:	180 mm
Pump inlet, dia.:	Dia.: 76 mm, DN 80
Pump outlet, dia.:	63.5 mm, DN 65
Performance data refer to water at 20 °C	

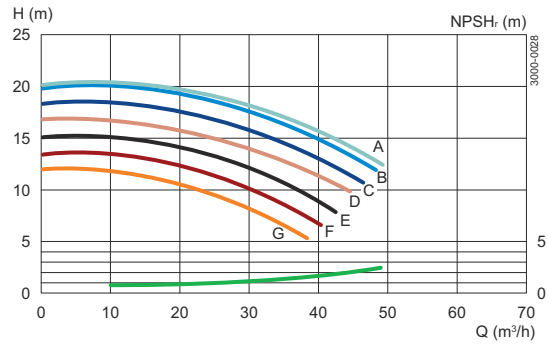


**Note!** The curves refer to motor: 4 kW, 1425 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%

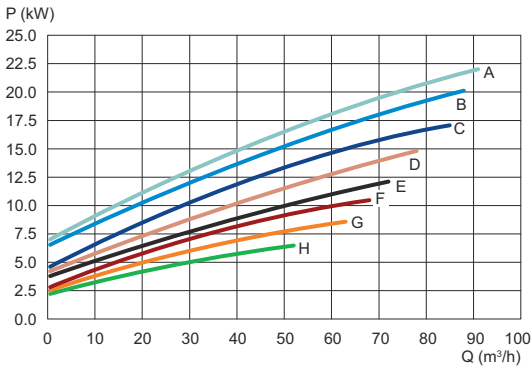
DO NOT FORGET THE SAFETY FACTOR



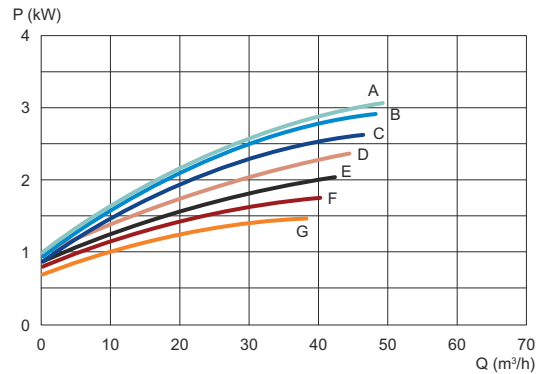
A = 235    D = 210    G = 180  
 B = 230    E = 200    H = 170  
 C = 220    F = 190



A = 235    D = 210    G = 180  
 B = 230    E = 200  
 C = 220    F = 190



A = 235    D = 210    G = 180  
 B = 230    E = 200    H = 170  
 C = 220    F = 190



A = 235    D = 210    G = 180  
 B = 230    E = 200  
 C = 220    F = 190

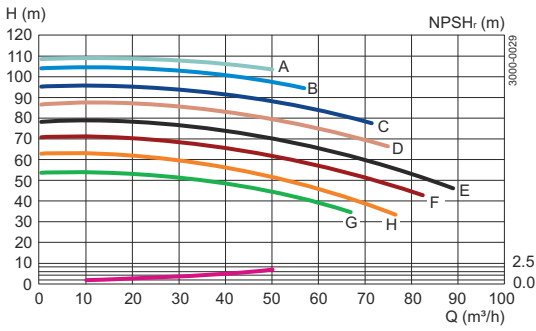
### LKH-40, 60 Hz

Motor:	<b>3600 rpm. synchr.</b>
Tolerance:	±5%
Impeller, Max. dia.:	236 mm
Impeller, Min. dia.:	170 mm
Pump inlet, dia.:	76 mm, DN 80
Pump outlet, dia.:	63.5 mm, DN 65
Performance data refer to water at 20 °C	

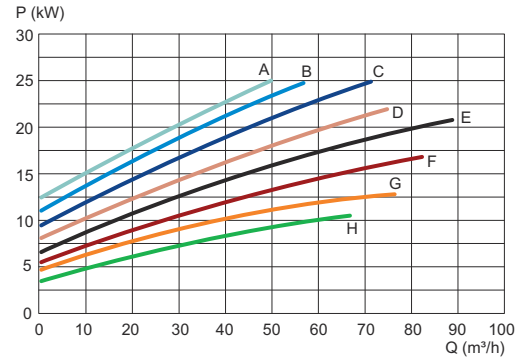


**Note!** The curves refer to motor: 25 kW, 3500 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with:  
 - 3% for 12.5 - 21 kW.  
 - 5% for 8.6 kW.

DO NOT FORGET THE SAFETY FACTOR



A = 235 D = 210 G = 180  
 B = 230 E = 200 H = 170  
 C = 220 F = 190



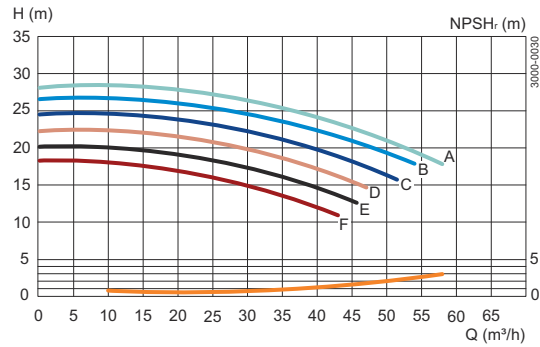
A = 235 D = 210 G = 180  
 B = 230 E = 200 H = 170  
 C = 220 F = 190

Motor:	<b>1800 rpm. synchr.</b>
Tolerance:	±5%
Impeller, Max. dia.:	236 mm
Impeller, Min. dia.:	190 mm
Pump inlet, dia.:	76 mm, DN 80
Pump outlet, dia.:	63.5 mm, DN 65
Performance data refer to water at 20 °C	

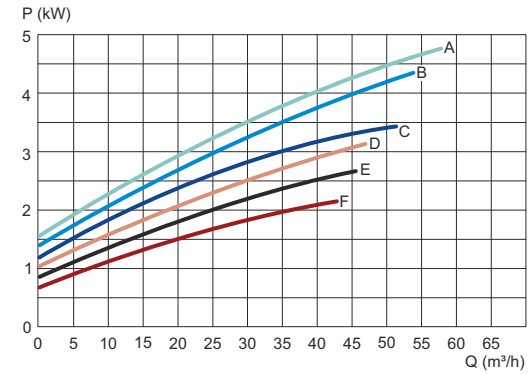


**Note!** The curves refer to motor: 6.3 kW, 1750 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 5%.

DO NOT FORGET THE SAFETY FACTOR




A = 235 D = 210  
 B = 230 E = 200  
 C = 220 F = 190



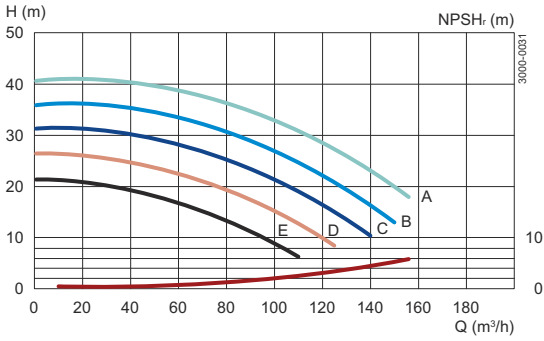
A = 235 D = 210  
 B = 230 E = 200  
 C = 220 F = 190

### LKH-45, 50 Hz

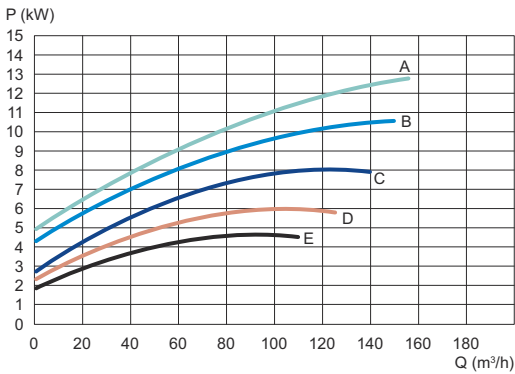
Motor:	<b>3000 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	178 mm
Impeller, Min. dia.:	140 mm
Pump inlet, dia.:	- 101.6 mm, DN 100
Pump outlet, dia.:	- 76 mm, DN 80
Performance data refer to water at 20 °C	

 **Note!** The curves refer to motor: 15 kW, 2930 rpm. asynchr., 50 Hz.  
For smaller motors, reduce head (H) with: 3%

DO NOT FORGET THE SAFETY FACTOR




A = 178    D = 150  
B = 170    E = 140  
C = 160

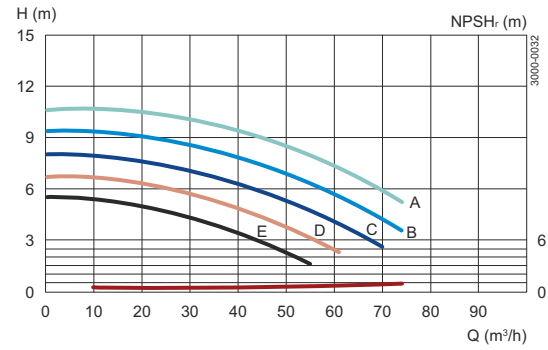


A = 178    D = 150  
B = 170    E = 140  
C = 160

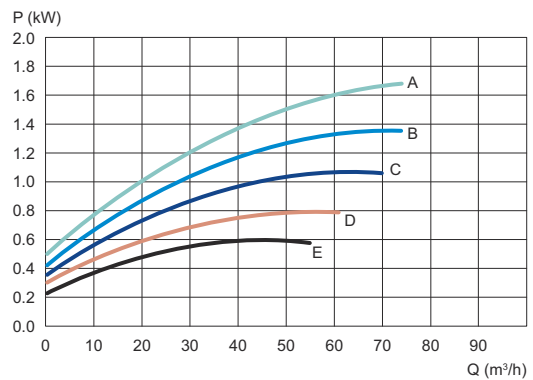
Motor:	<b>1500 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	178 mm
Impeller, Min. dia.:	140 mm
Pump inlet, dia.:	- 101.6 mm, DN 100
Pump outlet, dia.:	- 76 mm, DN 80
Performance data refer to water at 20 °C	

 **Note!** The curves refer to motor: 4 kW, 1430 rpm. asynchr., 50 Hz.  
For smaller motors, reduce head (H) with: 5%.

DO NOT FORGET THE SAFETY FACTOR



A = 178    D = 150  
B = 170    E = 140  
C = 160



A = 178    D = 150  
B = 170    E = 140  
C = 160

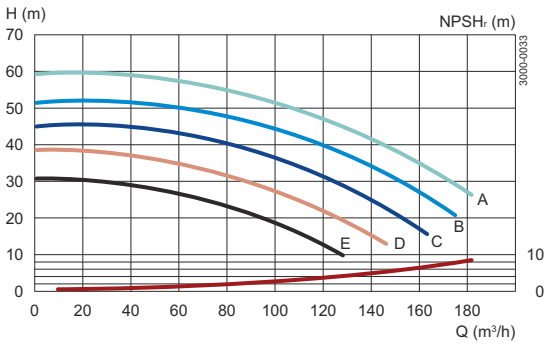
### LKH-45, 60Hz

Motor:	<b>3600 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	178 mm
Impeller, Min. dia.:	140 mm
Pump inlet, dia.:	101.6 mm, DN 100
Pump outlet, dia.:	76 mm, DN 80
Performance data refer to water at 20 °C	

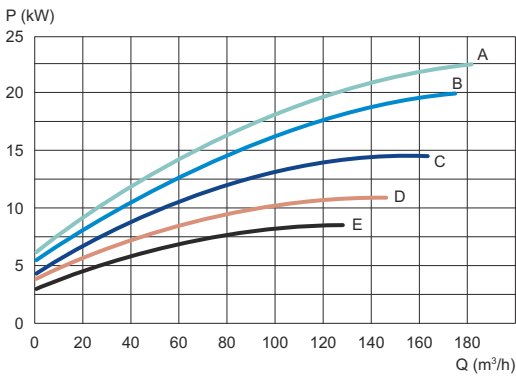


**Note!** The curves refer to motor: 25 kW, 3545 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with  
 - 3% for 12.5 - 21 kW.  
 - 5% for 6,3 - 8.6 kW.

DO NOT FORGET THE SAFETY FACTOR



A = 178    D = 150  
 B = 170    E = 140  
 C = 160



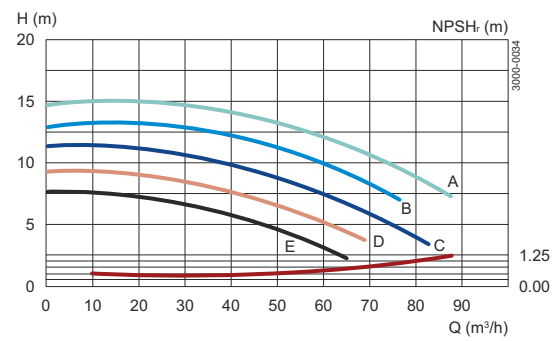
A = 178    D = 150  
 B = 170    E = 140  
 C = 160

Motor:	<b>1800 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	178 mm
Impeller, Min. dia.:	140 mm
Pump inlet, dia.:	101.6 mm, DN 100
Pump outlet, dia.:	76 mm, DN 80
Performance data refer to water at 20 °C	

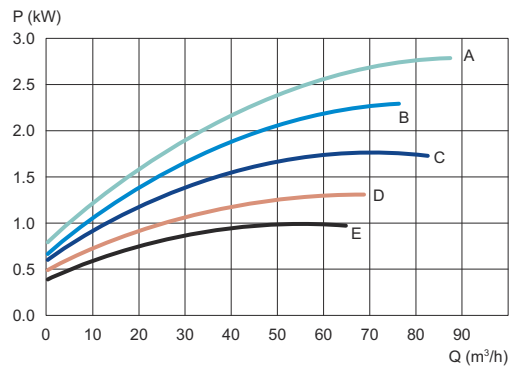


**Note!** The curves refer to motor: 3.5 kW, 1720 rpm. asynchr., 60 Hz.

DO NOT FORGET THE SAFETY FACTOR



A = 178    D = 150  
 B = 170    E = 140  
 C = 160



A = 178    D = 150  
 B = 170    E = 140  
 C = 160

### LKH-50, 50 Hz

Motor:	<b>3000 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	205 mm
Impeller, Min. dia.:	160 mm
Pump inlet, dia.:	101.6 mm, DN 100
Pump outlet, dia.:	76 mm, DN 80
Performance data refer to water at 20 °C	

**Note!** The curves refer to motor: 22 kW, 2940 rpm. asynchron., 50 Hz.



For smaller motors, reduce head (H) with:  
 - 3% for 11 - 18,5 kW.  
 - 5% for 5,5 - 7,5 kW.

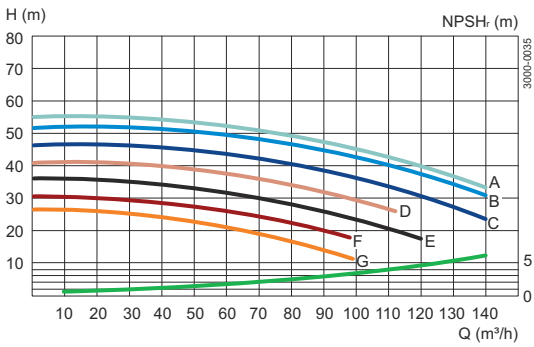
DO NOT FORGET THE SAFETY FACTOR

Motor:	<b>1500 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	205 mm
Impeller, Min. dia.:	160 mm
Pump inlet, dia.:	101.6 mm, DN 100
Pump outlet, dia.:	76 mm, DN 80
Performance data refer to water at 20 °C	

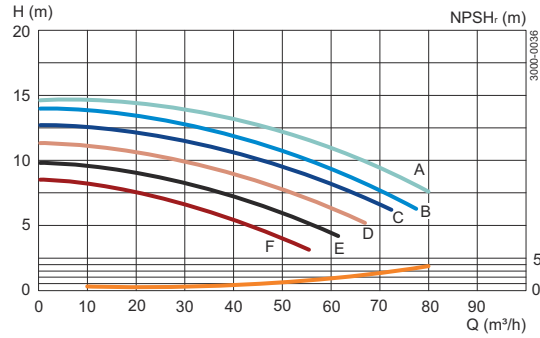


**Note!** The curves refer to motor: 4 kW, 1430 rpm. asynchron., 50 Hz.  
 For smaller motors, reduce head (H) with: 5%.

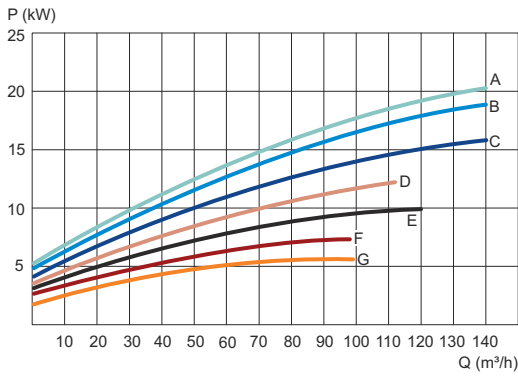
DO NOT FORGET THE SAFETY FACTOR



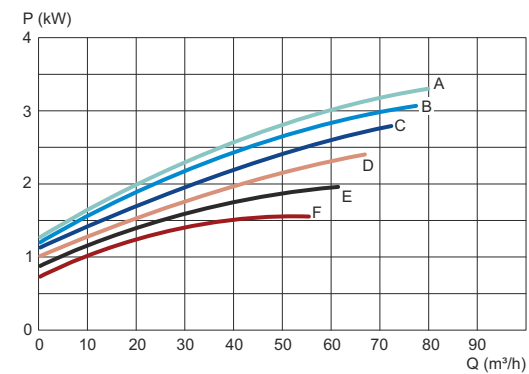
A = 205 D = 180 G = 150  
 B = 200 E = 170  
 C = 190 F = 160



A = 205 D = 180  
 B = 200 E = 170  
 C = 190 F = 160



A = 205 D = 180 G = 150  
 B = 200 E = 170  
 C = 190 F = 160



A = 205 D = 180  
 B = 200 E = 170  
 C = 190 F = 160

### LKH-50, 60Hz

Motor:	<b>3600 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	205 mm
Impeller, Min. dia.:	150 mm
Pump inlet, dia.:	101.6 mm, DN 100
Pump outlet, dia.:	76 mm, DN 80
Performance data refer to water at 20 °C	

**Note!** The curves refer to motor: 25 kW, 3500 rpm. asynchr., 60 Hz.



For smaller motors, reduce head (H) with:  
 -3% for 12.5-21 kW.  
 -5% for 6.3 - 8.6 kW.

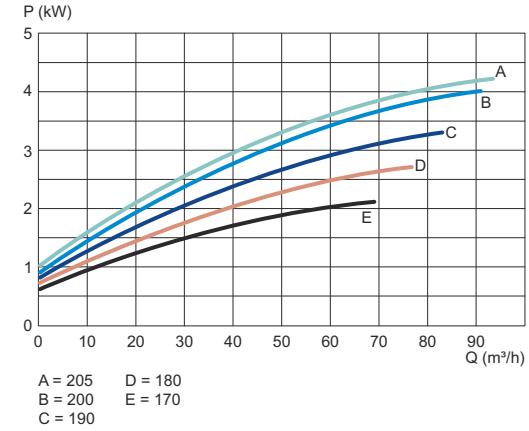
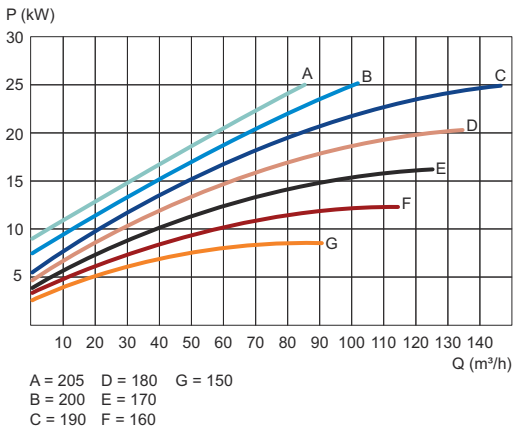
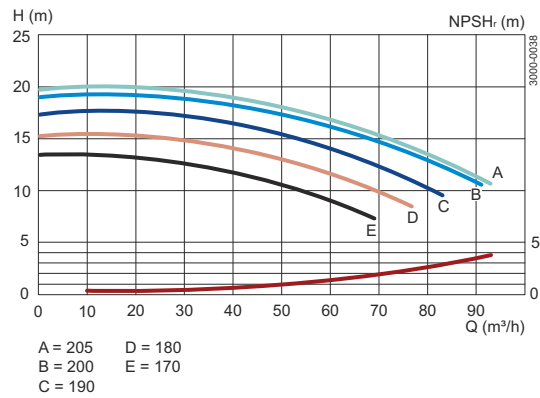
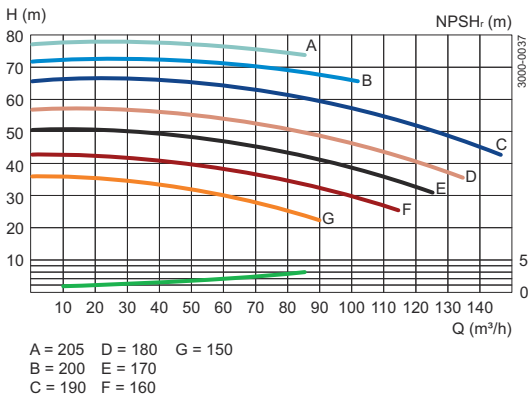
DO NOT FORGET THE SAFETY FACTOR

Motor:	<b>1800 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	205 mm
Impeller, Min. dia.:	170 mm
Pump inlet, dia.:	101.6 mm, DN 100
Pump outlet, dia.:	76 mm, DN 80
Performance data refer to water at 20 °C	



**Note!** The curves refer to motor: 4.5 kW, 1750 rpm. asynchr., 60 Hz.  
 For smaller motors, reduce head (H) with: 5%.

DO NOT FORGET THE SAFETY FACTOR



### LKH-60, 50 Hz

Motor:	<b>3000 rpm. synchr.</b>
Tolerance:	±5%
Impeller, Max. dia.:	210 mm
Impeller, Min. dia.:	160 mm
Pump inlet, dia.:	- 101.6 mm, DN 100 - DN 150
Pump outlet, dia.:	- 101.6 mm, DN 100 - DN 100
Performance data refer to water at 20 °C	

**Note!** The curves refer to motor: 30 kW, 2955 rpm. asynchr., 50 Hz.



For smaller motors, reduce head (H) with:  
3% for 11 - 22 kW.  
6% for 5.5 - 7.5 kW.

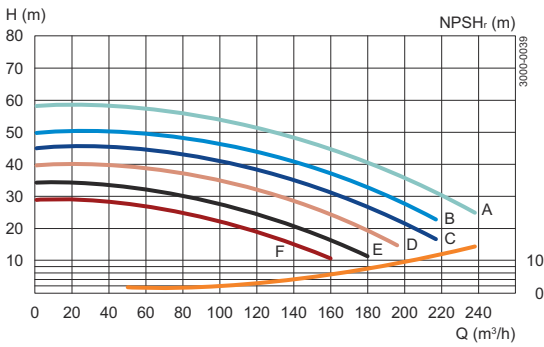
DO NOT FORGET THE SAFETY FACTOR

Motor:	<b>1500 rpm. synchr.</b>
Tolerance:	±5%
Impeller, Max. dia.:	210 mm
Impeller, Min. dia.:	160 mm
Pump inlet, dia.:	- 101.6 mm, DN 100 - DN 150
Pump outlet, dia.:	- 101.6 mm, DN 100 - DN 100
Performance data refer to water at 20 °C	

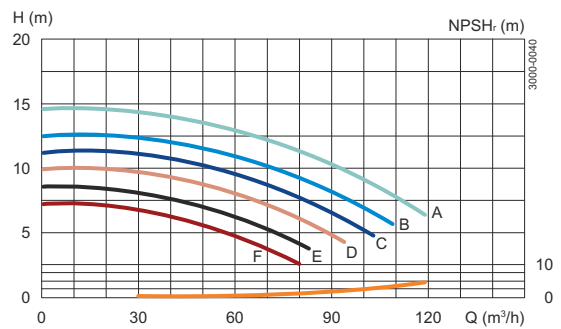


**Note!** The curves refer to motor: 4 kW, 1425 rpm. asynchr., 50 Hz.  
For smaller motors, reduce head (H) with: 5%.

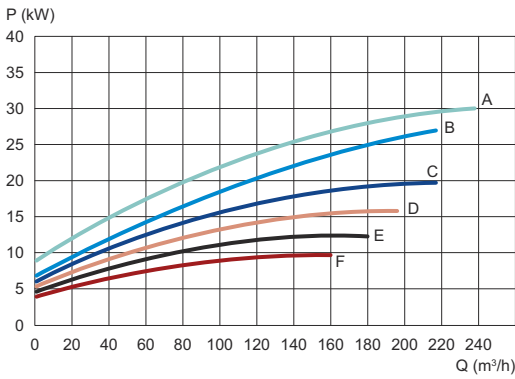
DO NOT FORGET THE SAFETY FACTOR



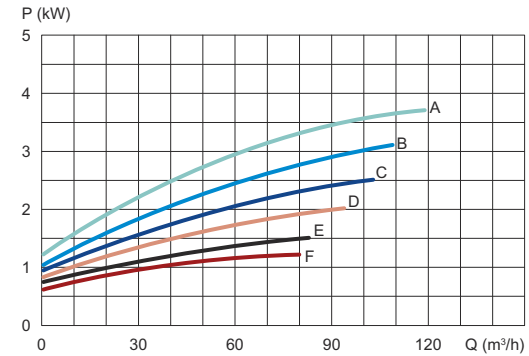
A = 210 D = 180  
B = 200 E = 170  
C = 190 F = 160



A = 210 D = 180  
B = 200 E = 170  
C = 190 F = 160



A = 210 D = 180  
B = 200 E = 170  
C = 190 F = 160



A = 210 D = 180  
B = 200 E = 170  
C = 190 F = 160

### LKH-60, 60Hz

Motor:	<b>3600 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	210 mm
Impeller, Min. dia.:	160 mm
Pump inlet, dia.:	101.6 mm, DN 100
	DN 150
Pump outlet, dia.:	101.6 mm, DN 100
	DN 100

Performance data refer to water at 20 °C

Motor:	<b>1800 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	210 mm
Impeller, Min. dia.:	160 mm
Pump inlet, dia.:	101.6 mm, DN 100
	DN 150
Pump outlet, dia.:	101.6 mm, DN 100
	DN 100

Performance data refer to water at 20 °C

**Note!** The curves refer to motor: 35 kW, 3500 rpm. asynchr., 60 Hz.



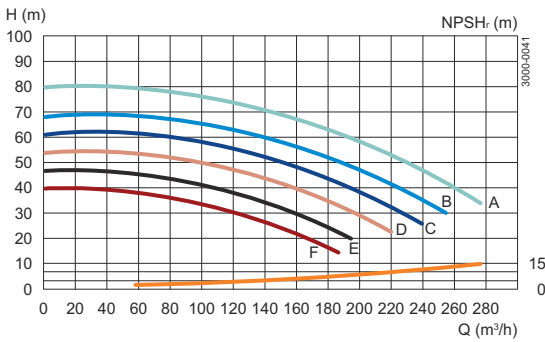
For smaller motors, reduce head (H) with:  
 - 3% for 12.5-21 kW.  
 - 5% for 6.3 - 8.6 kW.



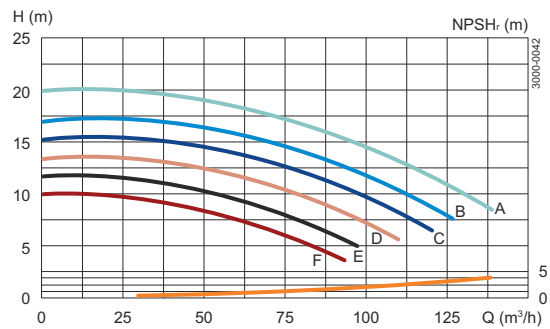
**Note!** The curves refer to motor: 6.3 kW, 1750 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 5%.

DO NOT FORGET THE SAFETY FACTOR

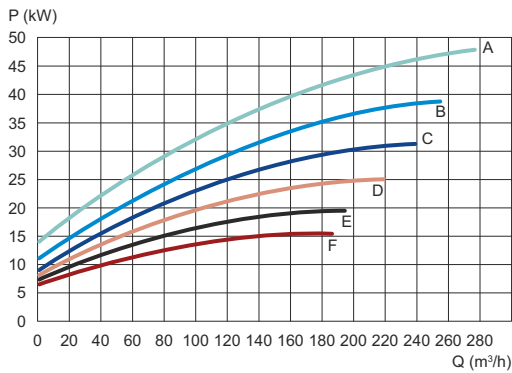
DO NOT FORGET THE SAFETY FACTOR



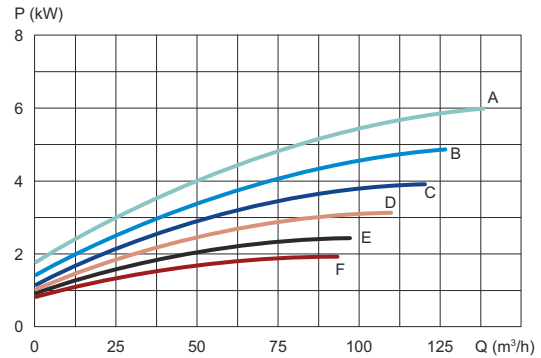
A = 210 D = 180  
 B = 200 E = 170  
 C = 190 F = 160



A = 210 D = 180  
 B = 200 E = 170  
 C = 190 F = 160




A = 210 D = 180  
 B = 200 E = 170  
 C = 190 F = 160



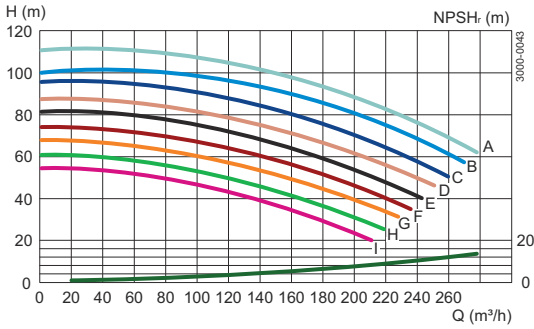
A = 210 D = 180  
 B = 200 E = 170  
 C = 190 F = 160

### LKH-70, 50 Hz

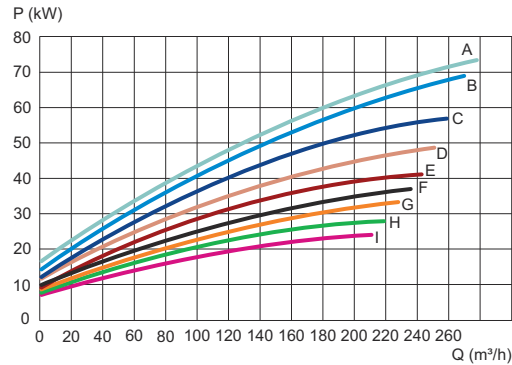
Motor:	<b>3000 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	280 mm
Impeller, Min. dia.:	200 mm
Pump inlet, dia.:	101.6 mm, DN 100
Pump outlet, dia.:	76 mm, DN 80
Performance data refer to water at 20 °C	

 **Note!** The curves refer to motor: 75 kW, 2970 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 2%.

DO NOT FORGET THE SAFETY FACTOR




A = 280    D = 250    G = 220  
 B = 270    E = 240    H = 210  
 C = 260    F = 230    I = 200

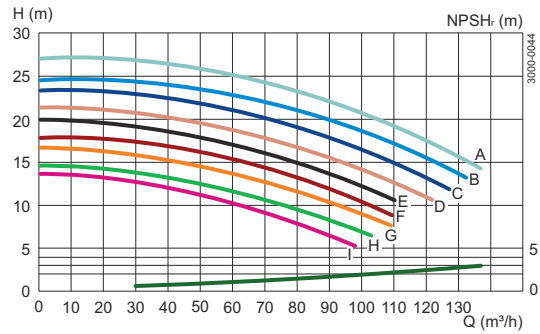


A = 280    D = 250    G = 220  
 B = 270    E = 240    H = 210  
 C = 260    F = 230    I = 200

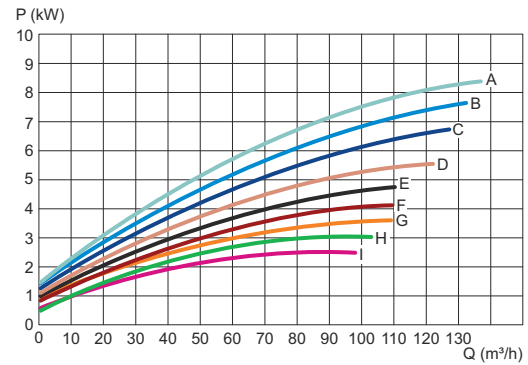
Motor:	<b>1500 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	280 mm
Impeller, Min. dia.:	200 mm
Pump inlet, dia.:	101.6 mm, DN 100
Pump outlet, dia.:	76 mm, DN 80
Performance data refer to water at 20 °C	

 **Note!** The curves refer to motor: 11 kW, 1460 rpm. asynchr., 50 Hz.

DO NOT FORGET THE SAFETY FACTOR



A = 280    D = 250    G = 220  
 B = 270    E = 240    H = 210  
 C = 260    F = 230    I = 200




A = 280    D = 250    G = 220  
 B = 270    E = 240    H = 210  
 C = 260    F = 230    I = 200

### LKH-70, 60 Hz

Motor:	<b>3600 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	280 mm
Impeller, Min. dia.:	200 mm
Pump inlet, dia.:	101.6 mm, DN 100
Pump outlet, dia.:	76 mm, DN 80


Performance data refer to water at 20 °C

 **Note!** The curves refer to max. motor: 86 kW, 3565 rpm. asynchron., 60 Hz. For smaller motors, reduce head (H) with: 3%.

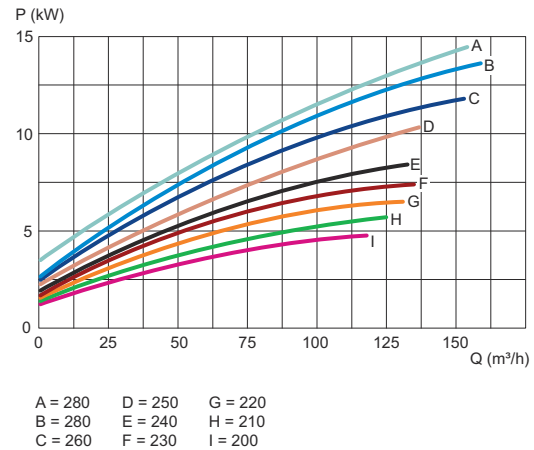
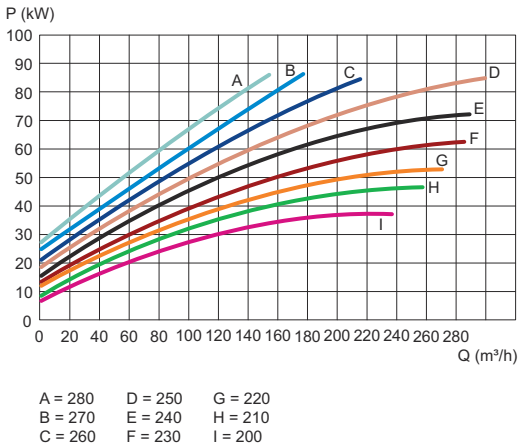
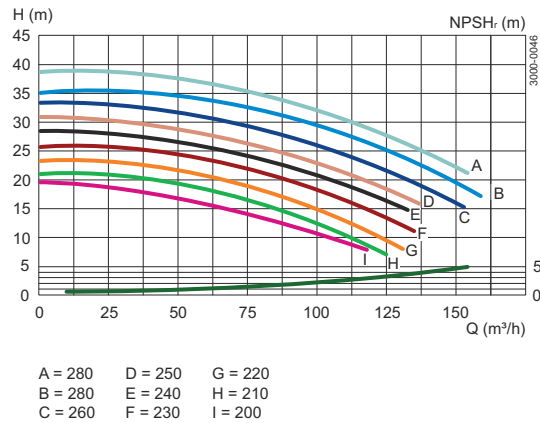
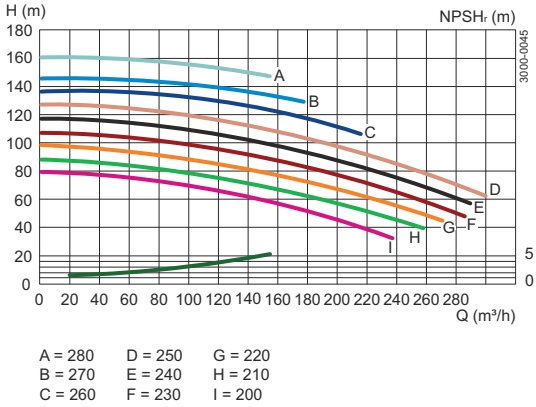
DO NOT FORGET THE SAFETY FACTOR

Motor:	<b>1800 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	280 mm
Impeller, Min. dia.:	200 mm
Pump inlet, dia.:	101.6 mm, DN 100
Pump outlet, dia.:	76 mm, DN 80

Performance data refer to water at 20 °C

 **Note!** The curves refer to max. motor: 17 kW, 1750 rpm. asynchron., 60 Hz.


DO NOT FORGET THE SAFETY FACTOR



### LKH-85, 50/60 Hz

50 Hz	
Motor:	<b>3000 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	276 mm
Impeller, Min. dia.:	210 mm
Pump inlet, dia.:	154 mm, DN 150
Pump outlet, dia.:	154 mm, DN 150


Performance data refer to water at 20 °C

 **Note!** The curves refer to motor: 75 kW, 2970 rpm. asynchr., 50 Hz.  
For smaller motors, reduce head (H) with: 3%.

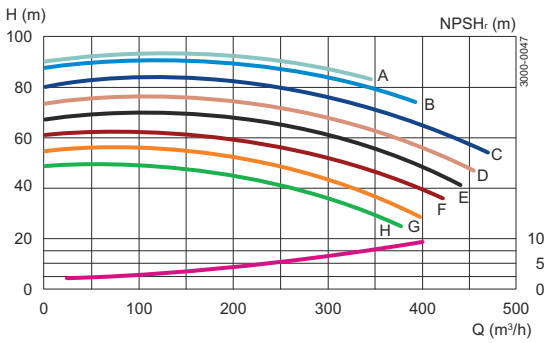
DO NOT FORGET THE SAFETY FACTOR

60 Hz	
Motor:	<b>3600 rpm. synchron.</b>
Tolerance:	±5%
Impeller, Max. dia.:	260 mm
Impeller, Min. dia.:	210 mm
Pump inlet, dia.:	154 mm, DN 150
Pump outlet, dia.:	154 mm, DN 150

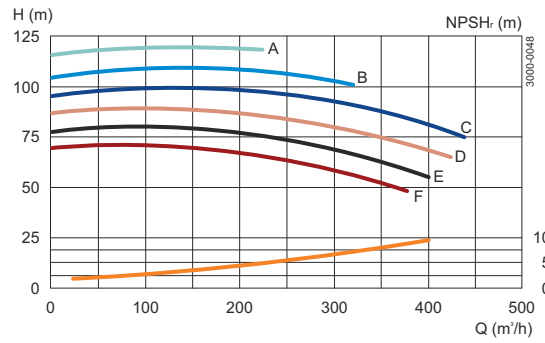
Performance data refer to water at 20 °C

 **Note!** The curves refer to motor: 86 kW, 3570 rpm. asynchr., 60 Hz.  
For smaller motors, reduce head (H) with: 3%.

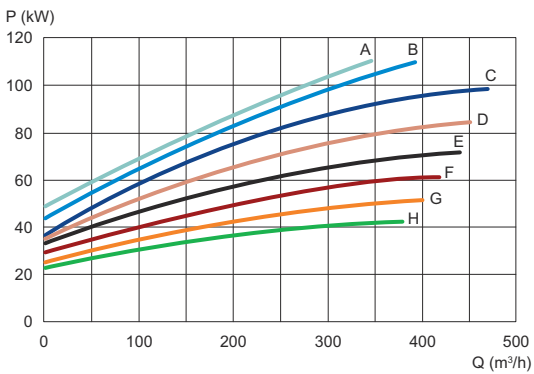
DO NOT FORGET THE SAFETY FACTOR



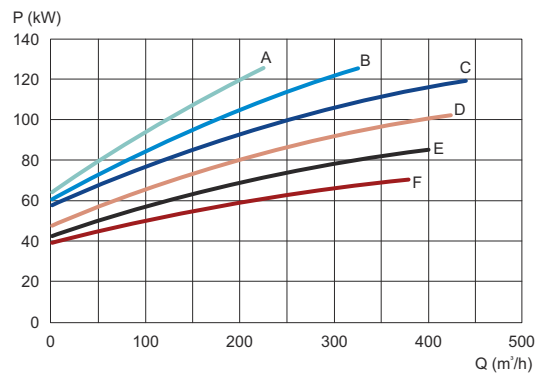
A = 276 D = 250 G = 220  
B = 270 E = 240 H = 210  
C = 260 F = 230



A = 260 D = 230  
B = 250 E = 220  
C = 240 F = 210




A = 276 D = 250 G = 220  
B = 270 E = 240 H = 210  
C = 260 F = 230



A = 260 D = 230  
B = 250 E = 220  
C = 240 F = 210


### LKH-90, 50/60 Hz

	50 Hz
Motor:	<b>1500 rpm. synchr.</b>
Tolerance:	±5%
Impeller, Max. dia.:	348 mm
Impeller, Min. dia.:	300 mm
Pump inlet, dia.:	154 mm, DN 150
Pump outlet, dia.:	154 mm, DN 150
Performance data refer to water at 20 °C	

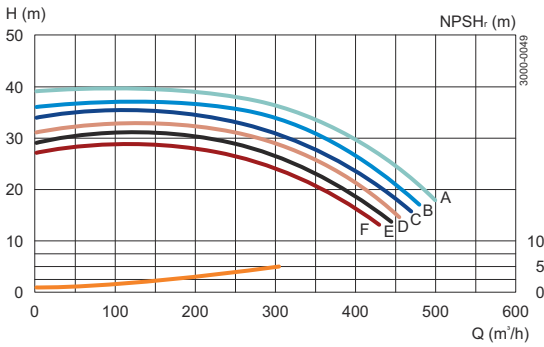
 **Note!** The curves refer to motor: 75 kW, 1490 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR

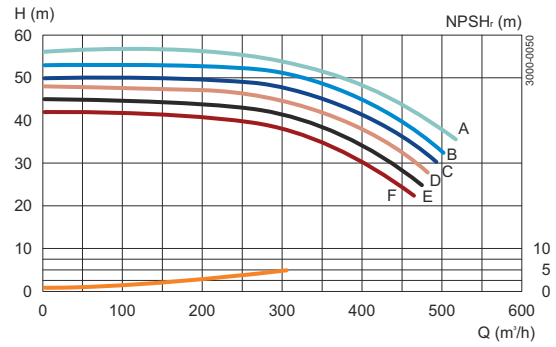
	60 Hz
Motor:	<b>1800 rpm. synchr.</b>
Tolerance:	±5%
Impeller, Max. dia.:	348 mm
Impeller, Min. dia.:	300 mm
Pump inlet, dia.:	154 mm, DN 150
Pump outlet, dia.:	154 mm, DN 150
Performance data refer to water at 20 °C	

 **Note!** The curves refer to motor: 75 kW, 1775 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%.

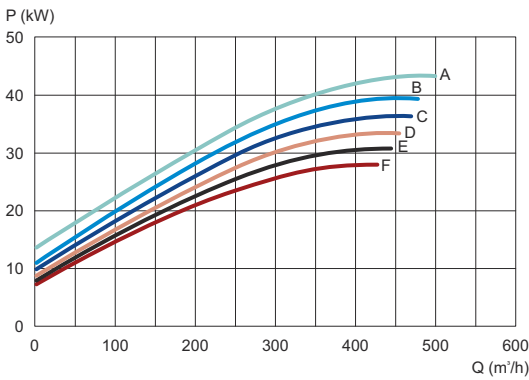
DO NOT FORGET THE SAFETY FACTOR



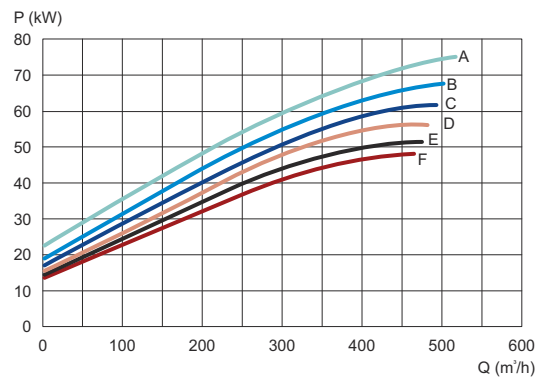
A = 348    D = 320  
 B = 340    E = 310  
 C = 330    F = 300



A = 348    D = 320  
 B = 340    E = 310  
 C = 330    F = 300



A = 348    D = 320  
 B = 340    E = 310  
 C = 330    F = 300



A = 348    D = 320  
 B = 340    E = 310  
 C = 330    F = 300

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