

Alfa Laval LKH UltraPure

Performance curves

LKHUP-10, 50 Hz

Motor:	3000 rpm. synchr.
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

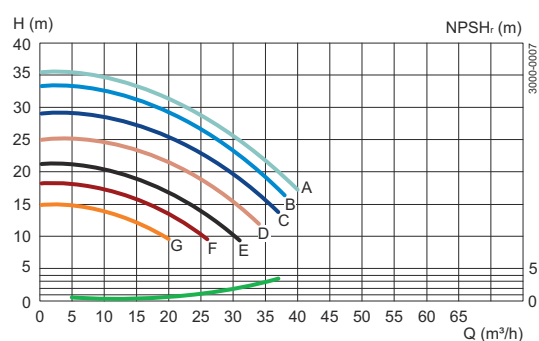
Motor:	1500 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	163 mm
Impeller, Min. dia.:	130 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50

Performance data refer to water at 20 °C

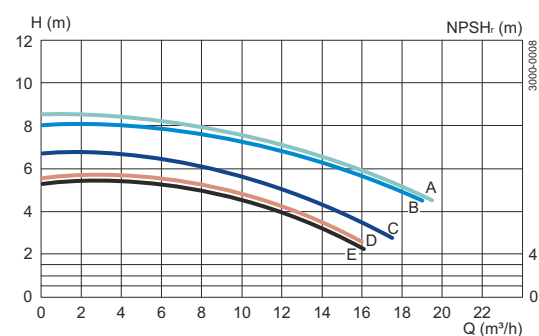


Note! The curves refer to motor: 1.5 kW, 1420 rpm. asynchr., 50 Hz.

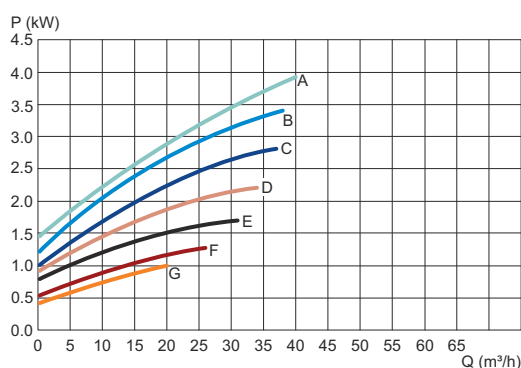
DO NOT FORGET THE SAFETY FACTOR



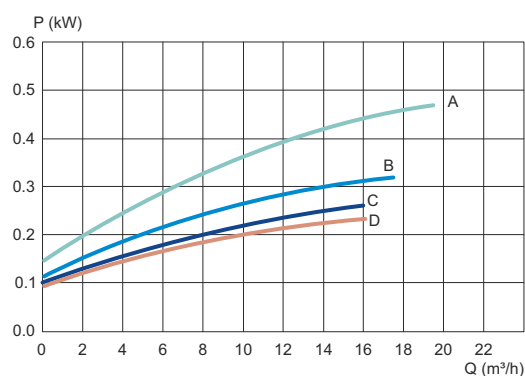
A = 163 D = 140 G = 110
B = 160 E = 130
C = 150 F = 120



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

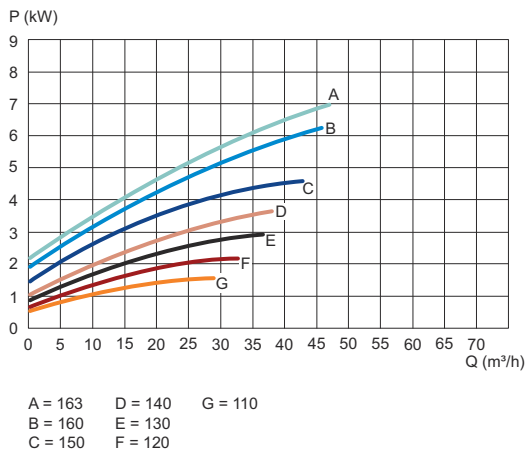
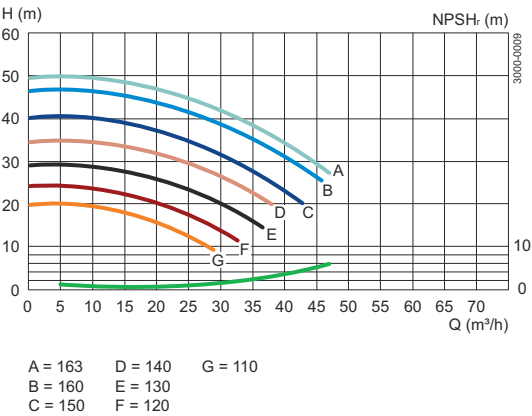
LKHUP-10, 60Hz

Motor:	3600 rpm. synchron.
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

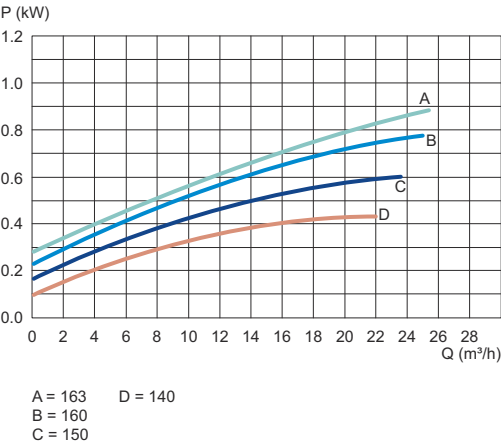
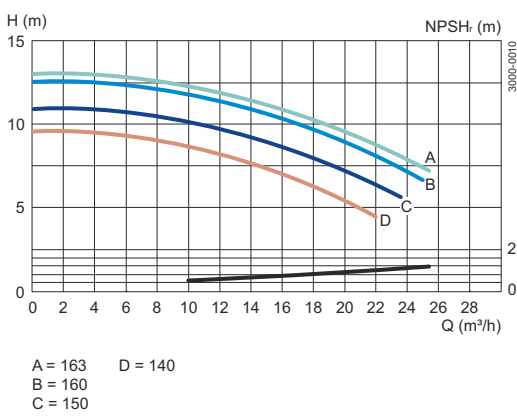


Motor:	1800 rpm. synchron.
Tolerance:	±5%
Impeller, Max. dia.:	163 mm
Impeller, Min. dia.:	140 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50
Performance data refer to water at 20 °C	



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

DO NOT FORGET THE SAFETY FACTOR

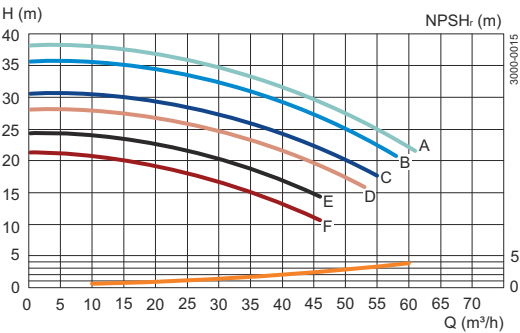


LKHUP-20, 50 Hz

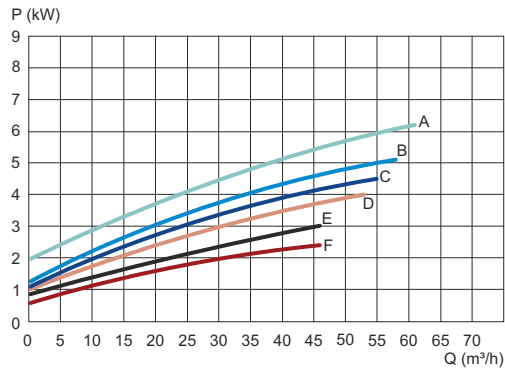
Motor:	3000 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	165 mm
Impeller, Min. dia.:	120 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50
Performance data refer to water at 20 °C	

 **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



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

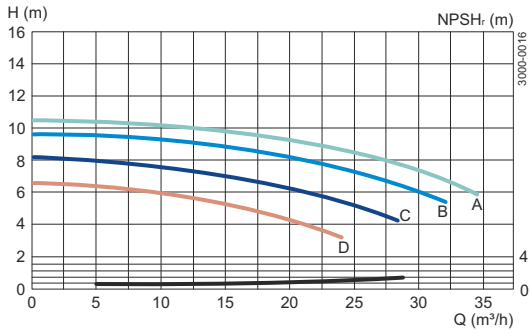


A = 165 D = 140
B = 160 E = 130
C = 150 F = 120

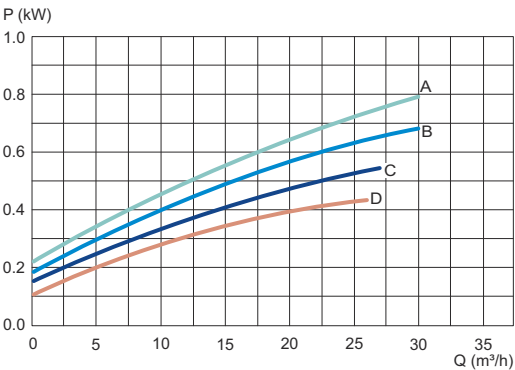
Motor:	1500 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	165 mm
Impeller, Min. dia.:	140 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50
Performance data refer to water at 20 °C	

 **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
C = 150



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

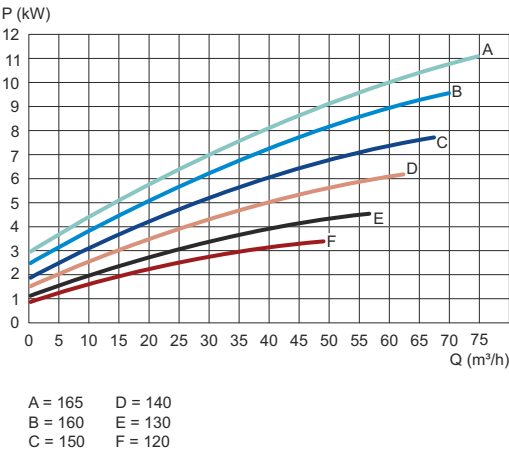
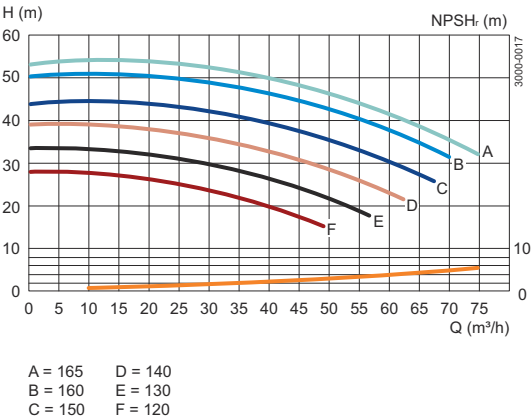
LKHUP-20, 60 Hz

Motor:	3600 rpm. synchr.
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

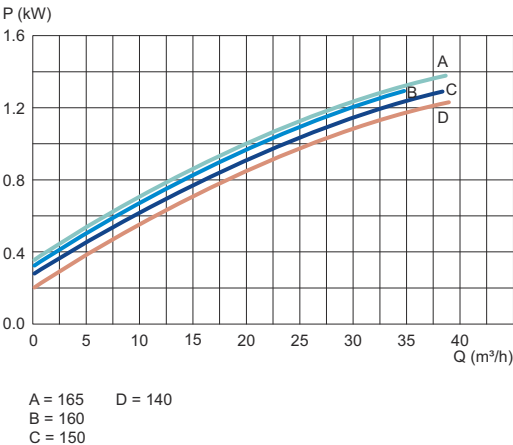
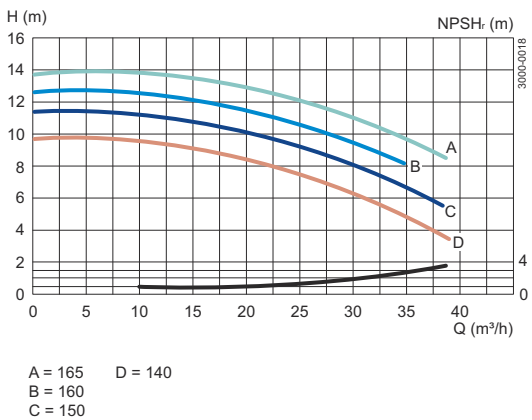


Motor:	1800 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	165 mm
Impeller, Min. dia.:	140 mm
Pump inlet, dia.:	63.5 mm, DN 65
Pump outlet, dia.:	51 mm, DN 50
Performance data refer to water at 20 °C	



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

DO NOT FORGET THE SAFETY FACTOR

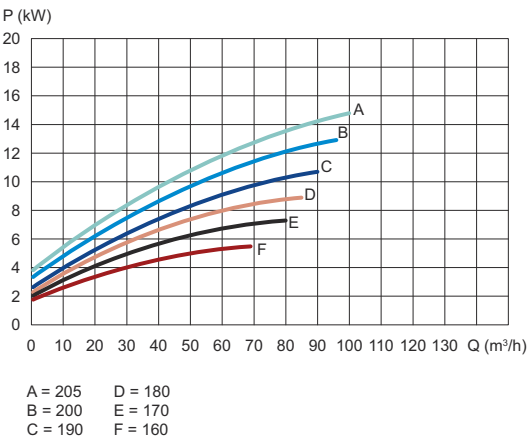
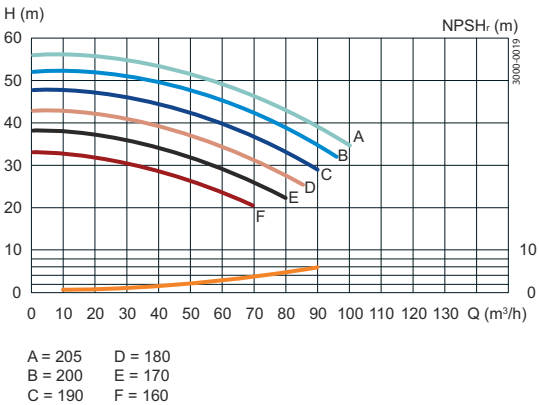


LKHUP-25, 50 Hz

Motor:	3000 rpm. synchr.
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%

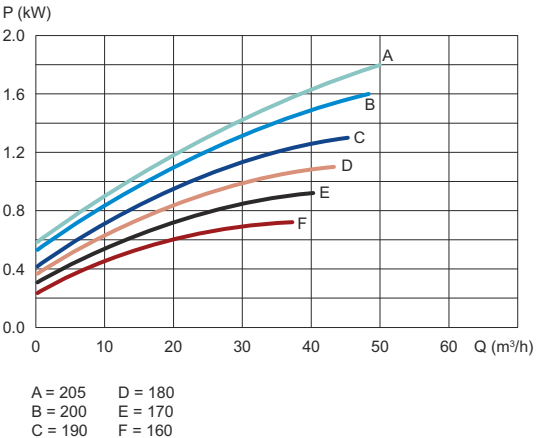
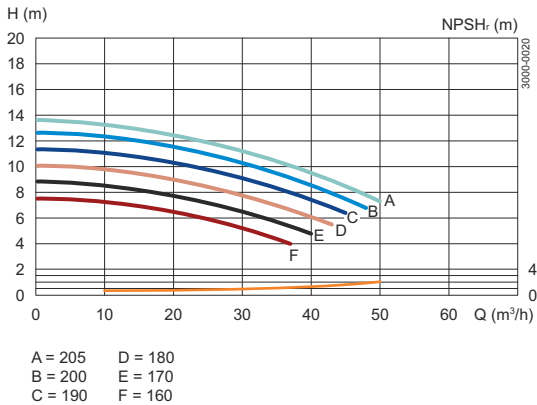
DO NOT FORGET THE SAFETY FACTOR



Motor:	1500 rpm. synchr.
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



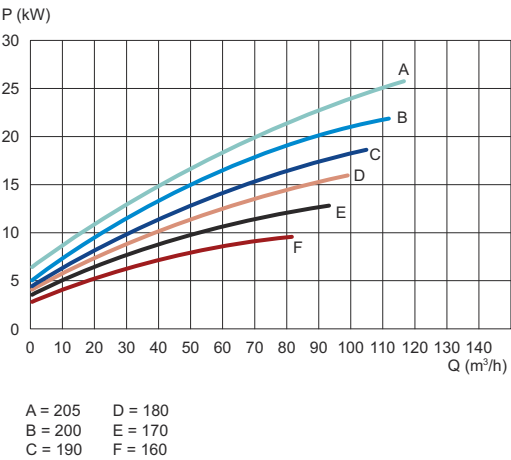
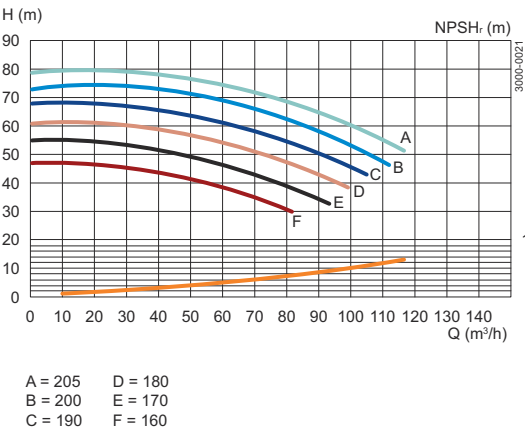
LKHUP-25, 60 Hz

Motor:	3600 rpm. synchr.
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

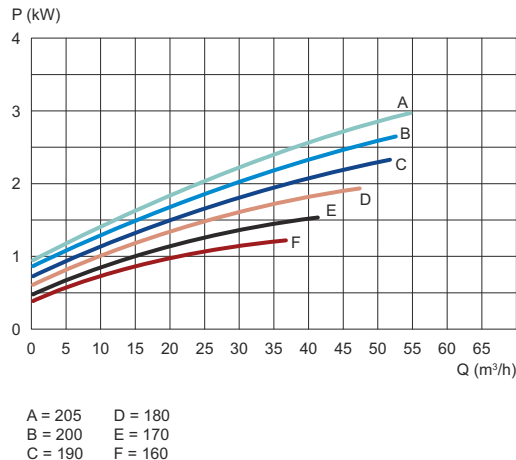
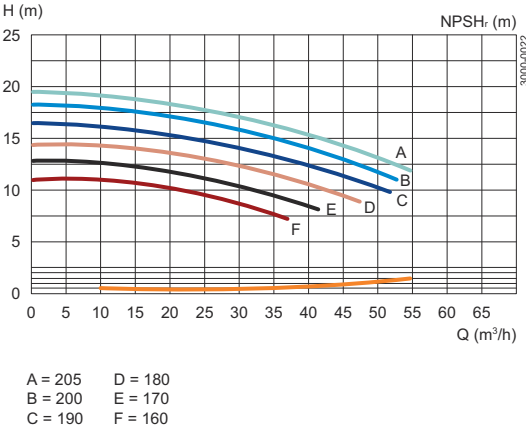


Motor:	1800 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	205 mm
Impeller, Min. dia.:	160 mm
Pump inlet, dia.:	76 mm, DN 80
Pump outlet, dia.:	63.5 mm, DN 65
Performance data refer to water at 20 °C	



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

DO NOT FORGET THE SAFETY FACTOR

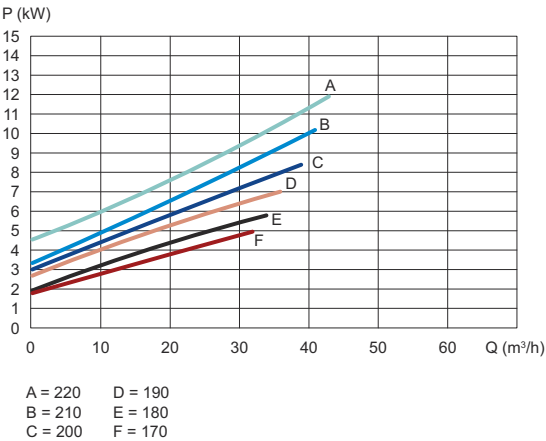
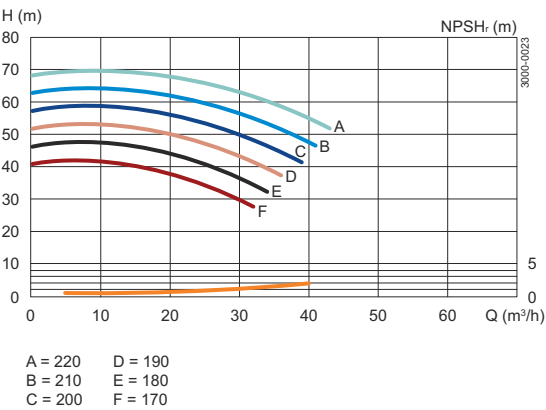


LKHUP-35, 50 Hz

Motor:	3000 rpm. synchr.
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%.

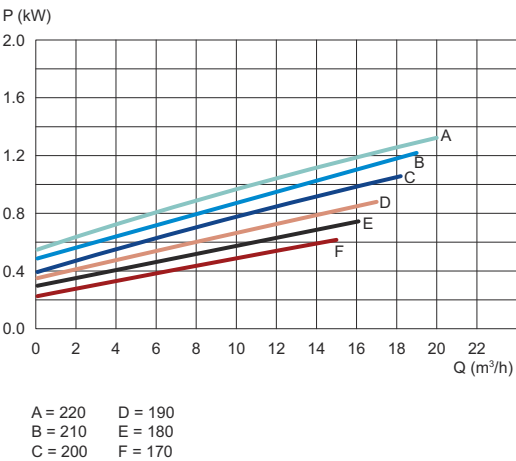
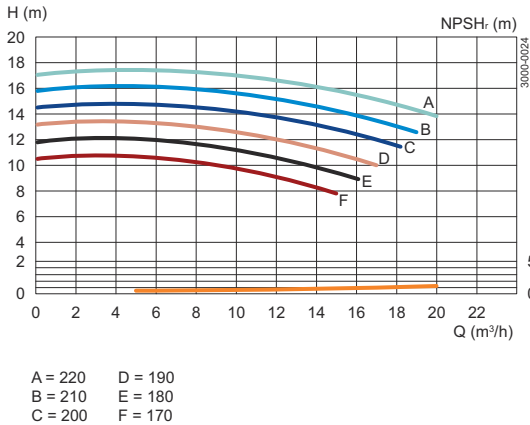
DO NOT FORGET THE SAFETY FACTOR



Motor:	1500 rpm. synchr.
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



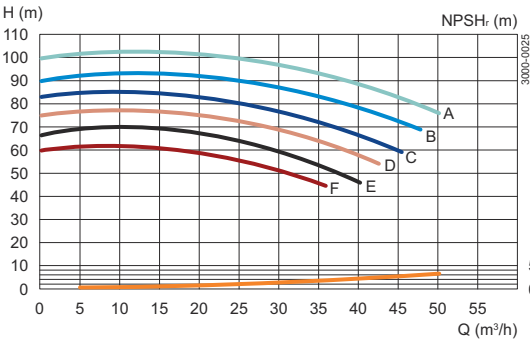
LKHUP-35, 60 Hz

Motor:	3600 rpm. synchr.
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	

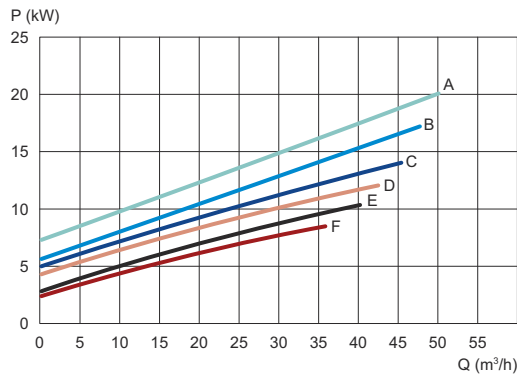


Note! The curves refer to motor: 21 kW, 3535 rpm. asynchr., 50 Hz.
For smaller motors, reduce head (H) with:
- 3% for 12.5-17 kW.
- 5% for 6.3 - 8.6 kW.

DO NOT FORGET THE SAFETY FACTOR



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



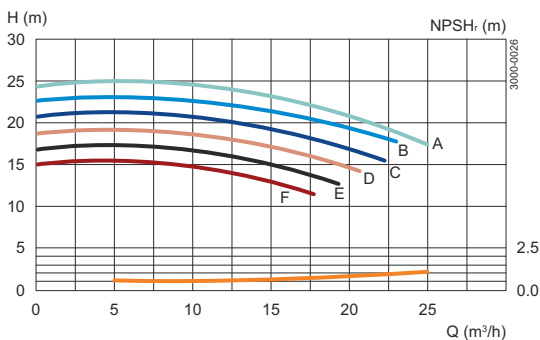
A = 220 D = 190
B = 210 E = 180
C = 200 F = 170

Motor:	1800 rpm. synchr.
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	

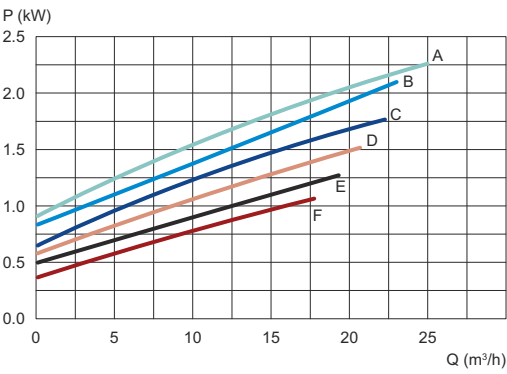


Note! The curves refer to motor: 2.5 kW, 1720 rpm. asynchr., 60 Hz.

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

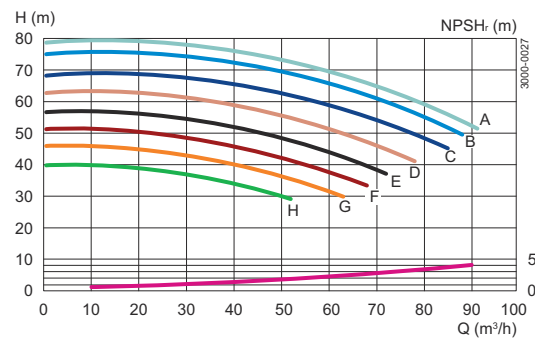
LKHUP-40, 50 Hz

Motor:	3000 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	235 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	

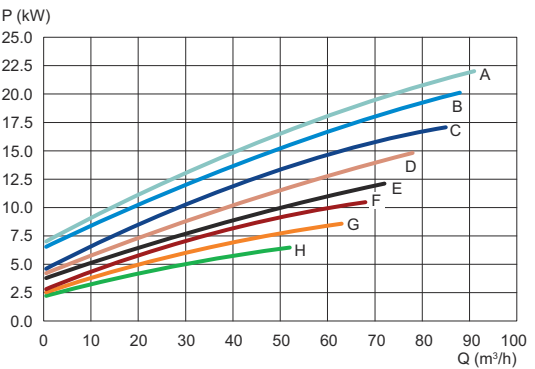


Note! The curves refer to motor: 22 kW, 2940 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with:
- 3% for 11-18.5 kW
- 5% for 7.5 kW

DO NOT FORGET THE SAFETY FACTOR



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



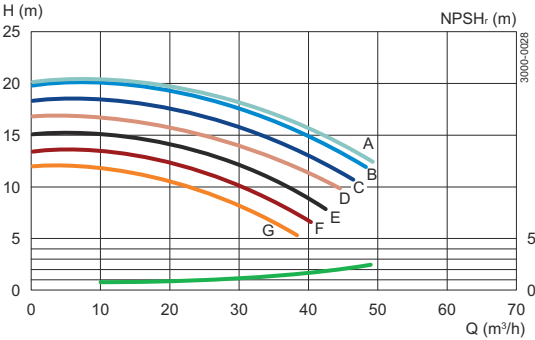
A = 235 D = 210 G = 180
B = 230 E = 200 H = 170
C = 220 F = 190

Motor:	1500 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	235 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	

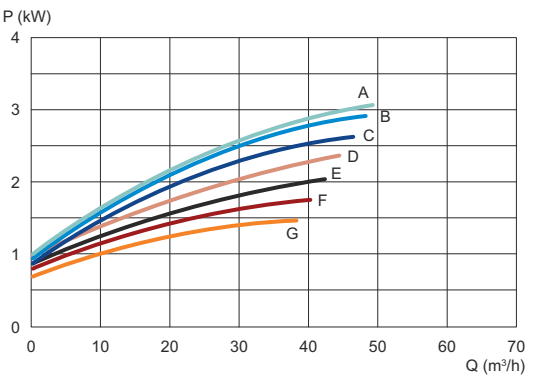


Note! The curves refer to motor: 4 kW, 1425 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%

DO NOT FORGET THE SAFETY FACTOR



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



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

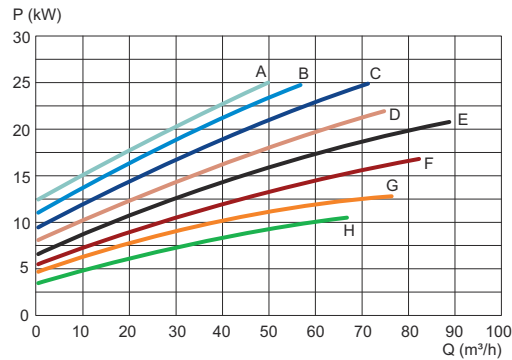
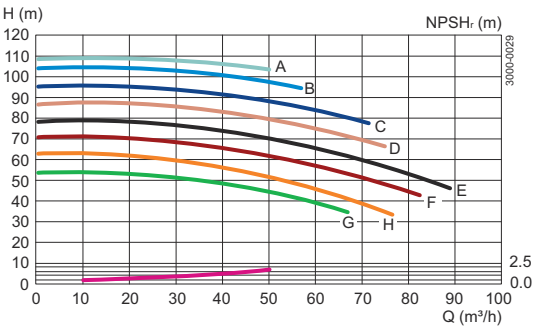
LKHUP-40, 60 Hz

Motor:	3600 rpm. synchron.
Tolerance:	±5%
Impeller, Max. dia.:	235 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

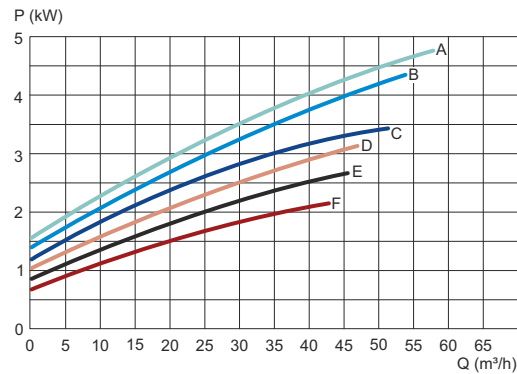
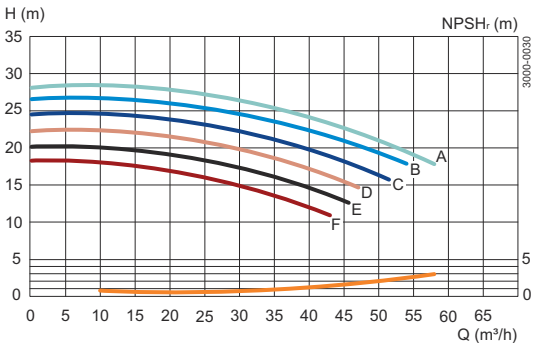


Motor:	1800 rpm. synchron.
Tolerance:	±5%
Impeller, Max. dia.:	235 mm
Impeller, Min. dia.:	190 mm
Pump inlet, dia.:	76 mm, DN 80
Pump outlet, dia.:	63.5 mm, DN 65
Performance data refer to water at 20 °C	



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

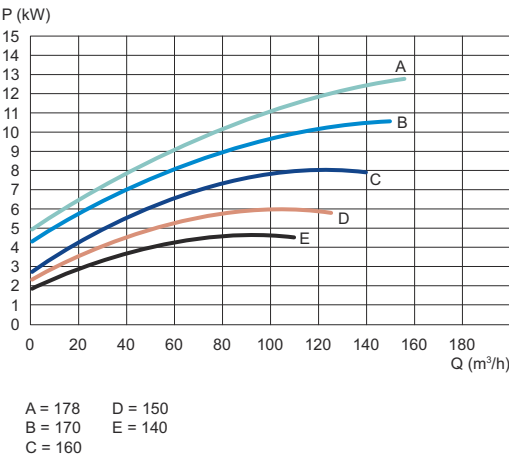
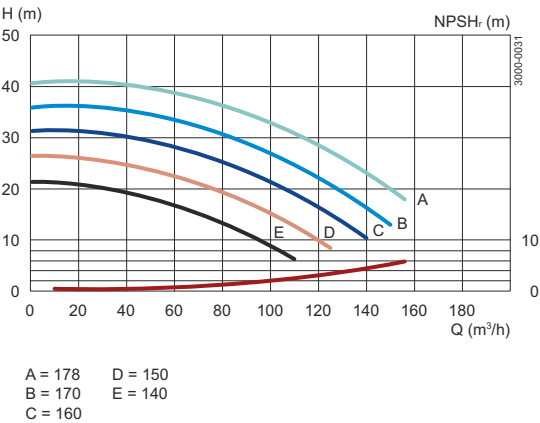


LKHUP-45, 50 Hz

Motor:	3000 rpm. synchr.
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., 60 Hz. For smaller motors, reduce head (H) with: 3%

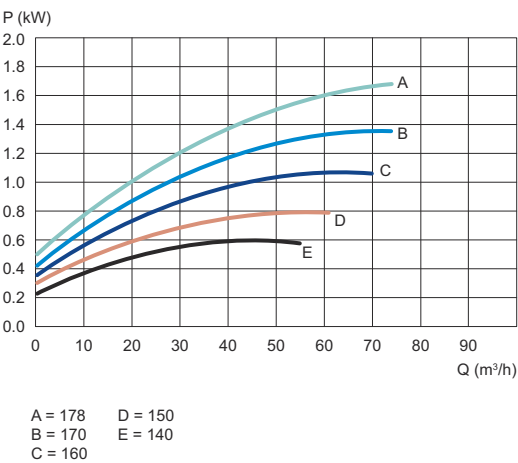
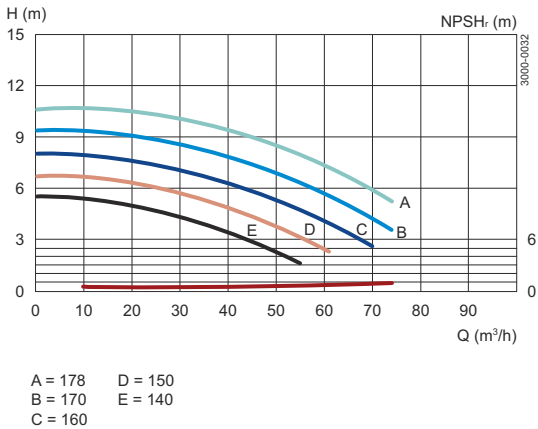
DO NOT FORGET THE SAFETY FACTOR



Motor:	1500 rpm. synchr.
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



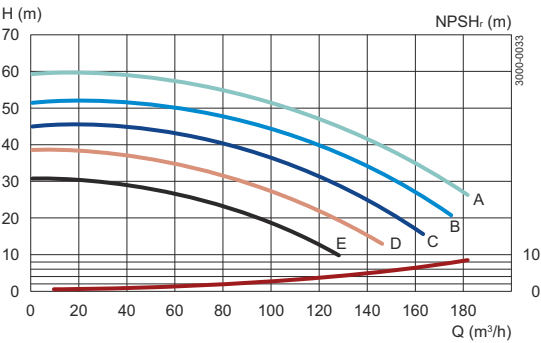
LKHUP-45, 60Hz

Motor:	3600 rpm. synchr.
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	

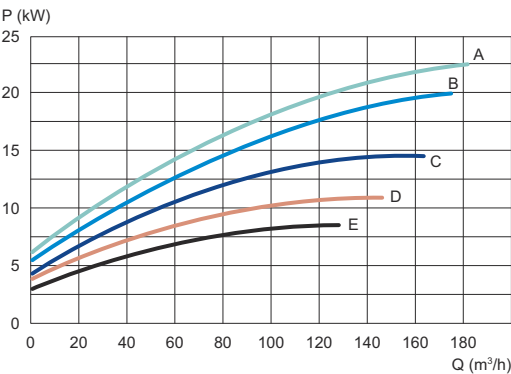


Note! The curves refer to motor: 25 kW, 3545 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with
- 3% for 12.5 - 21 kW.
- 5% for 6,3 - 8.6 kW.

DO NOT FORGET THE SAFETY FACTOR



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



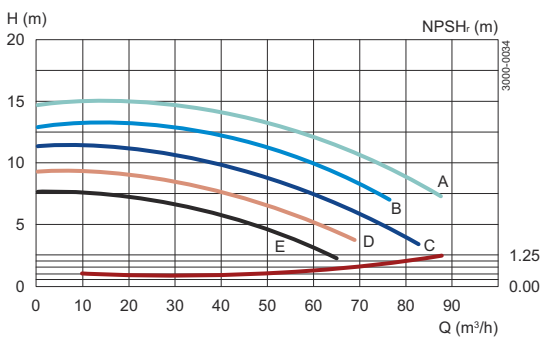
A = 178 D = 150
B = 170 E = 140
C = 160

Motor:	1800 rpm. synchr.
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	

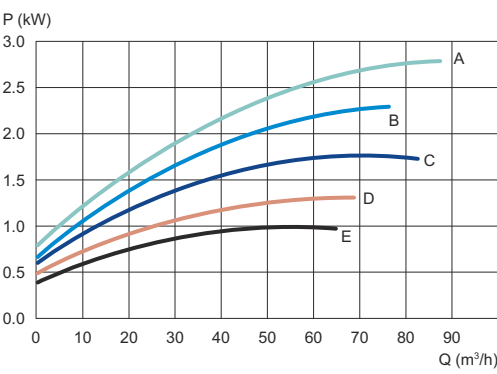


Note! The curves refer to motor: 3.5 kW, 1720 rpm. asynchr., 60 Hz.

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

LKHUP-60, 50 Hz

Motor:	3000 rpm. synchr.
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

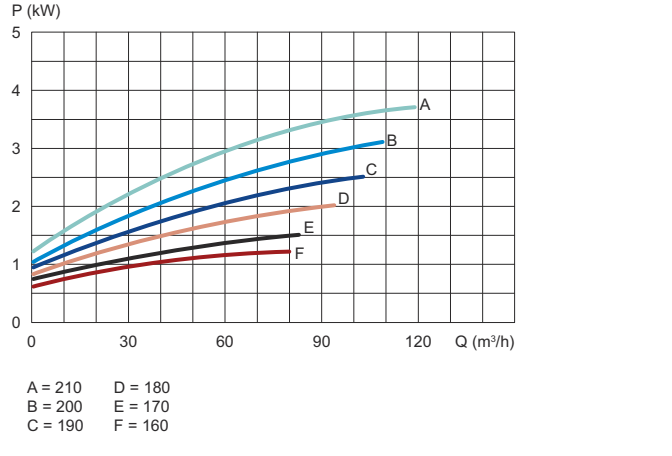
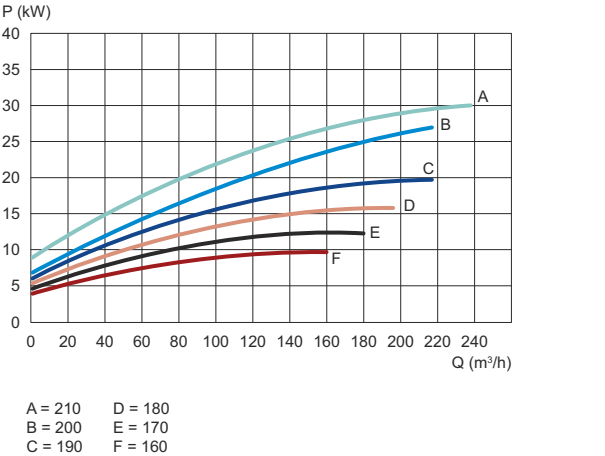
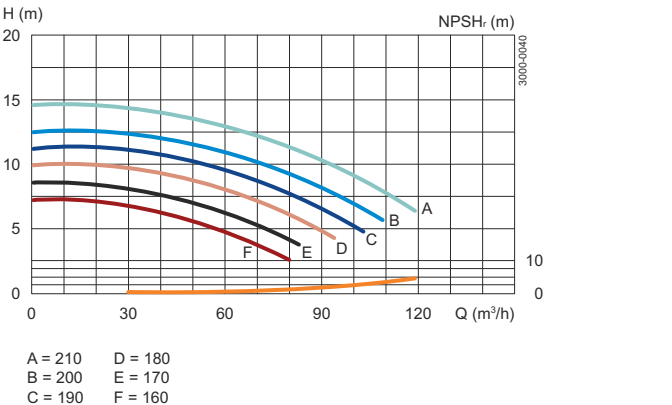
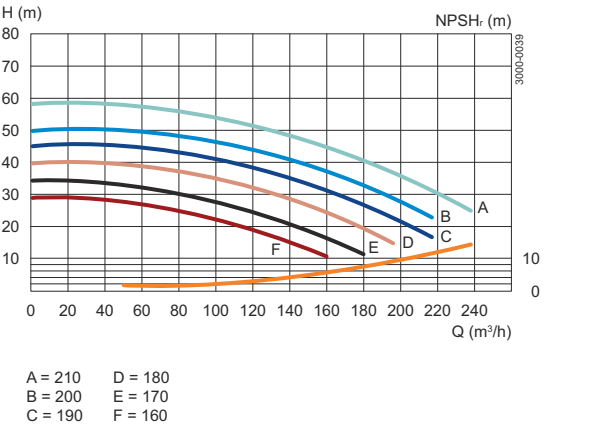
Motor:	1500 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	210 mm
Impeller, Min. dia.:	160 mm
Pump inlet, dia.:	- 101.6 mm, DN 100 - DN 150
Pump outlet, dia.:	- 101.6 mm, DN 100 - DN 100
Performance data refer to water at 20 °C	



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



LKHUP-60, 60Hz

Motor:	3600 rpm. synchr.
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.

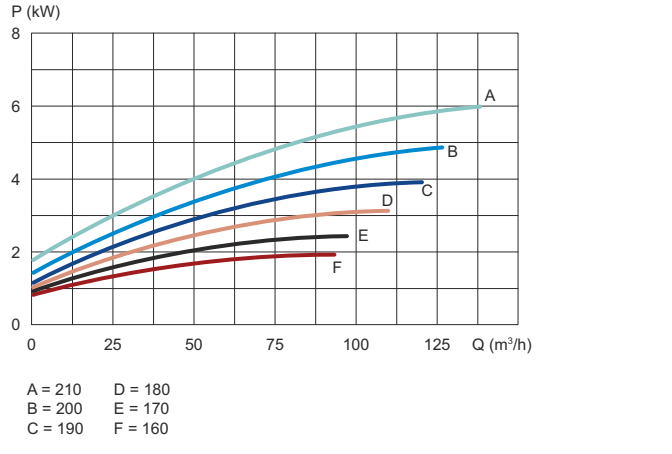
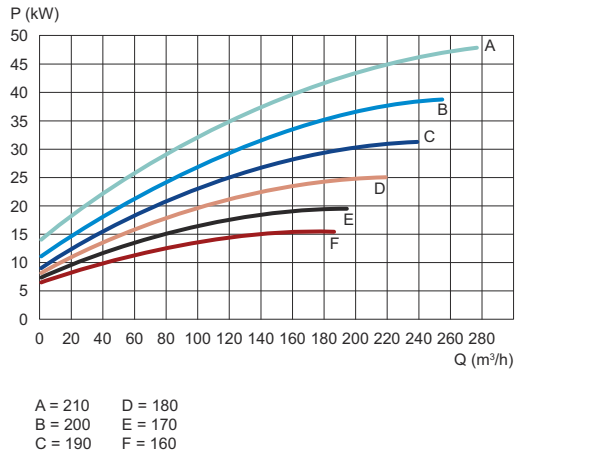
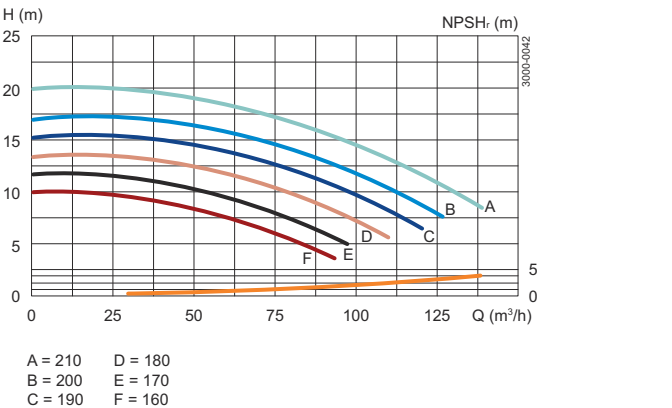
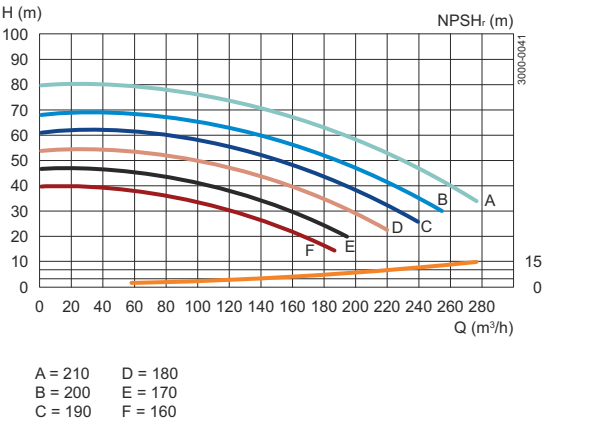
DO NOT FORGET THE SAFETY FACTOR

Motor:	1800 rpm. synchr.
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: 6.3 kW, 1750 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 5%.

DO NOT FORGET THE SAFETY FACTOR

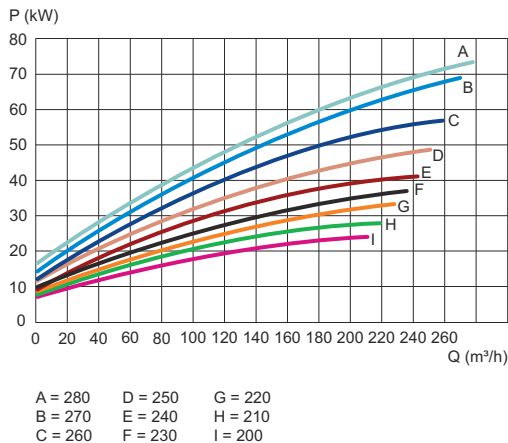
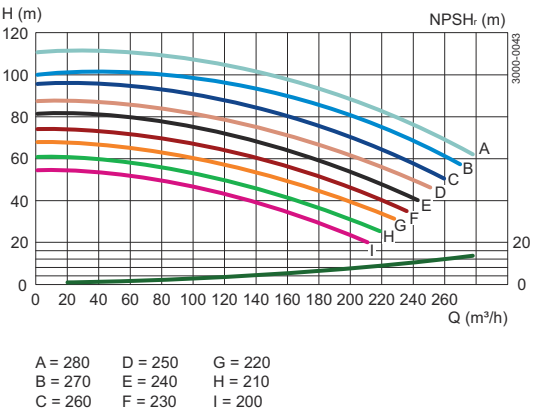


LKHUP-70, 50 Hz

Motor:	3000 rpm. synchr.
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%.

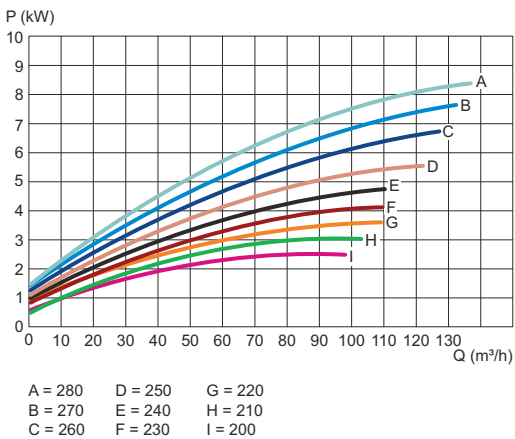
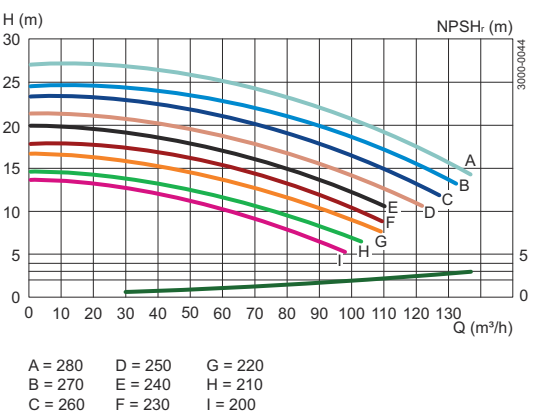
DO NOT FORGET THE SAFETY FACTOR



Motor:	1500 rpm. synchr.
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



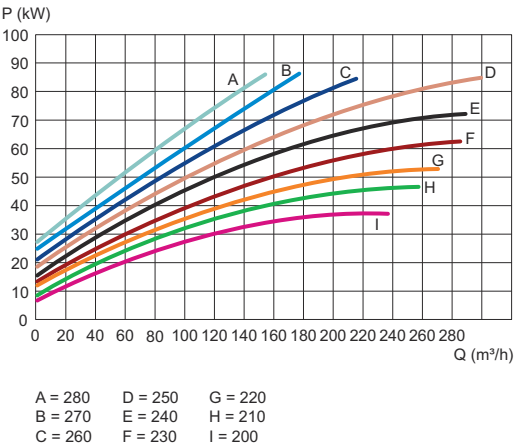
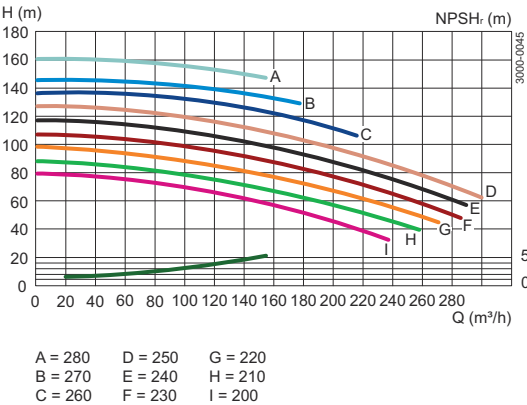
LKHUP-70, 60 Hz

Motor:	3600 rpm. synchr.
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. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR

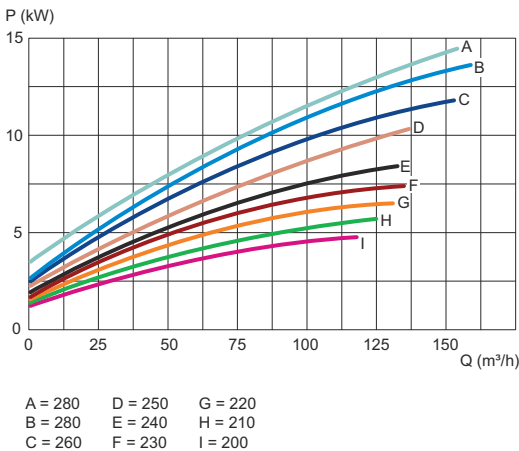
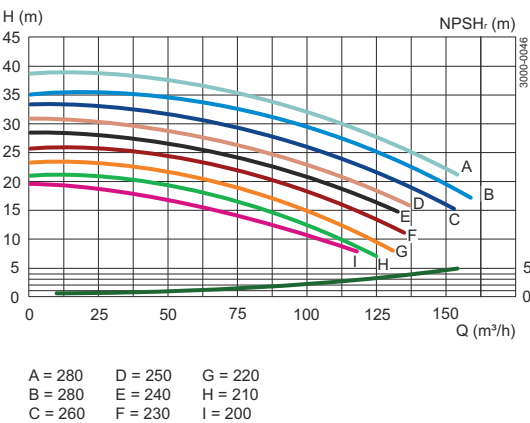


Motor:	1800 rpm. synchr.
Tolerance:	±5%
Impeller, Max. dia.:	280 mm
Impeller, Min. dia.:	200 mm
Pump inlet, dia.:	101.6 mm, DN 100
Pump outlet, dia.:	76 mm, DN 80
Performance data refer to water at 20 °C	



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

DO NOT FORGET THE SAFETY FACTOR



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