

# Alfa Laval LKH Multi— Stage

## Performance curves

### LKH-110 Multi-Stage, 50 Hz/60 Hz

	50Hz
Motor:	<b>3000 rpm. synchron.</b>
Tolerance:	±5%.
Impeller, LKH-112:	2 x dia.: 163 mm
Impeller, LKH-113:	3 x dia.: 163 mm
Impeller, LKH-114:	4 x dia.: 163 mm
Pump inlet, Dia.:	51 mm, DN 50
Pump outlet, Dia.:	38 mm, DN 40

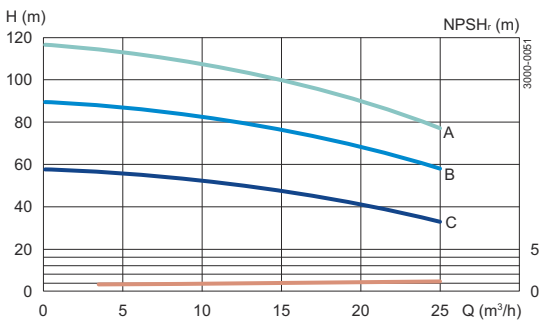
Performance data refer to water at 20 °C

**Note!** The curves refer to max. motor:

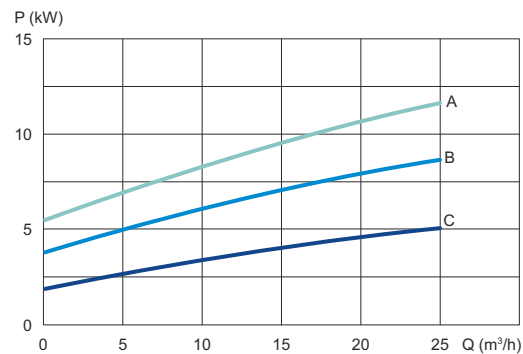
- LKH-112, 5.5 kW 2855 rpm. asynchr, 50 Hz.
  - LKH-113, 11 kW 2930 rpm. asynchr, 50 Hz.
  - LKH-114, 18.5 kW 2920 rpm. asynchr, 50 Hz.
- For smaller motors, reduce head (H) by: 3%.



DO NOT FORGET THE SAFETY FACTOR



A = LKH-114  
B = LKH-113  
C = LKH-112



A = LKH-114  
B = LKH-113  
C = LKH-112

	60 Hz
Motor:	<b>3600 rpm. synchron.</b>
Tolerance:	±5%.
LKH-112:	2 x dia.: 163 mm
LKH-113:	3 x dia.: 163 mm
LKH-114:	4 x dia.: 163 mm
Pump inlet, Dia.:	51 mm, DN 50
Pump outlet, Dia.:	38 mm, DN 40

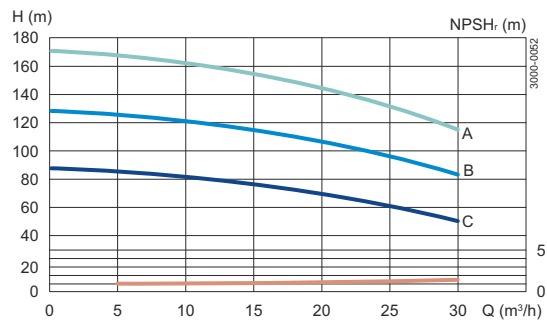
Performance data refer to water at 20 °C

**Note!** The curves refer to max. motor:

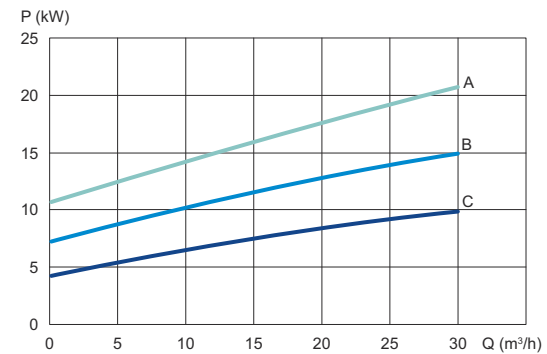
- LKH-112, 12.5 kW 3515 rpm. asynchr, 60 Hz.
  - LKH-113, 17 kW 3505 rpm. asynchr, 60 Hz.
  - LKH-114, 21 kW 3510 rpm. asynchr, 60 Hz.
- For smaller motors, reduce head (H) by: 3%



DO NOT FORGET THE SAFETY FACTOR



A = LKH-114  
B = LKH-113  
C = LKH-112



A = LKH-114  
B = LKH-113  
C = LKH-112

## LKH-120/P Multi-Stage, 50/60 Hz

50Hz	
Motor:	3000 rpm. synchr.
Tolerance:	±5%.
Impeller, LKH-122/P:	206 mm
Impeller, LKH-123/P:	206 mm
Impeller, LKH-124/P:	206 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 max. motor:

LKH-122/P, 22 kW, 2950 rpm. asynchr., 50 Hz

LKH-123/P, 37 kW 2940 rpm. asynchr., 50 Hz

LKH-124/P, 45 kW 2955 rpm. aysnchr., 50 Hz

For smaller motors, reduce head (H) by 3%

For inlet pressure > 10 bar, reduce head (H) by 5%

DO NOT FORGET THE SAFETY FACTOR

60 Hz	
Motor:	3600 rpm. synchr.
Tolerance:	±5%.
LKH-112:	206 mm
LKH-113:	206 mm
LKH-114:	206 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 max. motor:

LKH-122/P, 37 kW, 3510 rpm. asynchr., 60 Hz

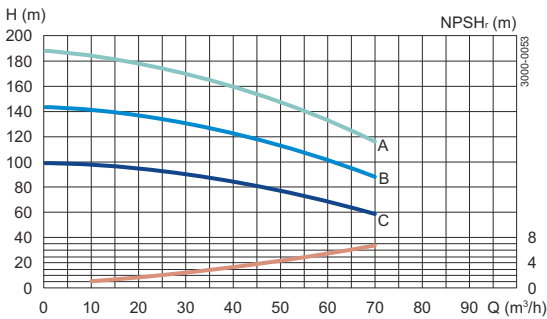
LKH-123/P, 55 kW, 3540 rpm. asynchr., 60 Hz

LKH-124/P, 75 kW 3570 rpm. aysnchr., 60 Hz

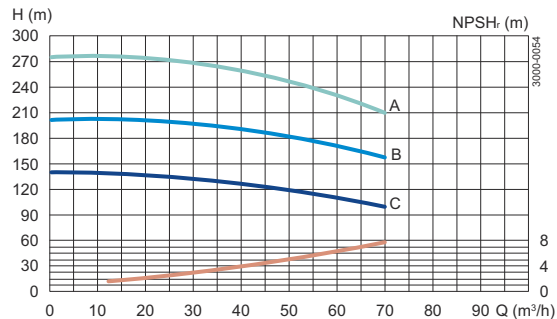
For smaller motors, reduce head (H) by: 3%

For inlet pressure > 10 bar, reduce head (H) by 5%

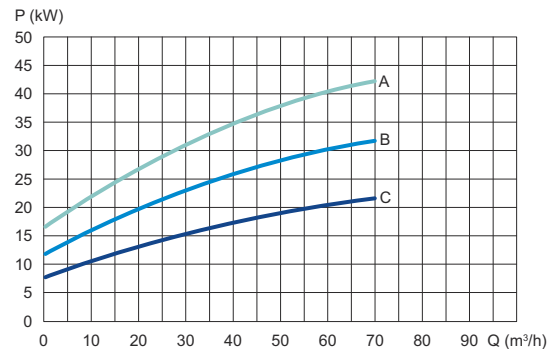
DO NOT FORGET THE SAFETY FACTOR



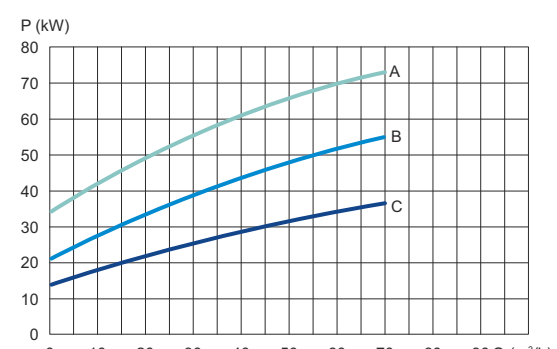
A = LKH-124/P  
B = LKH-123/P  
C = LKH-122/P



A = LKH-124/P  
B = LKH-123/P  
C = LKH-122/P



A = LKH-124/P  
B = LKH-123/P  
C = LKH-122/P



A = LKH-124/P  
B = LKH-123/P  
C = LKH-122/P

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