

The Premium Pump for Air and Gas Applications

LKHSP Self-priming Centrifugal Pump

Application

The LKHSP self-priming centrifugal pump is specially designed for pumping liquids containing air or gas without losing its pumping ability. The pump is for use in food, chemical, pharmaceutical and similar industries.

The LKHSP self-priming pump can be used for emptying tanks, as CIP return pump and similar applications where there is a risk of air or gas mixing with the liquid in the suction line.

The pump is self-priming and is capable of creating a vacuum of 0.6 bar, depending of the pump size.

Standard design

The LKHSP pump consists of a tank, a NO non-return valve, a NC non-return valve, a tee and a standard LKH pump.

The self-priming pump is available in sizes LKHSP-10, LKHSP- 20, LKHSP-25, LKHSP-35 and LKHSP-40.

Shaft seals

The LKHSP self-priming pump is equipped with either an external single or a flushed shaft seal. Both have stationary seal rings in acid-resistant steel AISI 329 with sealing surface in silicon carbide and rotating seal rings in carbon. The secondary seal of the flushed seal is a long lasting lip seal. LKHSP selfpriming pump may also be equipped with a double mechanical shaft seal.

TECHNICAL DATA

Materials

Product wetted steel parts: W. 1.4404 (316L).

Other steel parts: W. 1.4301 (304).

Finish: Semi bright.

Product wetted seals: EPDM rubber.

Motor

Standard foot-flanged motor according to the IEC metric standard, 2 poles = 3000/3600 rpm. at 50/60 Hz, IP 55 (with drain hole with labyrinth plug), insulation class F.

Motor sizes

50 Hz: 1.5 - 22 kW.

60 Hz: 1.75 - 25 kW.



OPERATING DATA

Pressure

Max. inlet pressure: 145 PSI.

Temperature

Temperature range: 14 °F to 212 °F.

Noise level

Noise level (at 1 m): 60 - 80 dB (A).

Flushed seal:

Water pressure: Normally atmospheric (100 kPa 1 bar).

Water consumption: 0.25 -0.5 l/min.

Double mechanical seal:

Water pressure: 1000 kPa (10 bar).

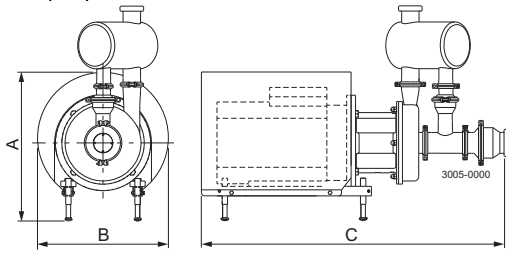
Water consumption: 0.25 -0.5 l/min.

Max. static pressure at the outlet: 80 kPa (0.8 bar).

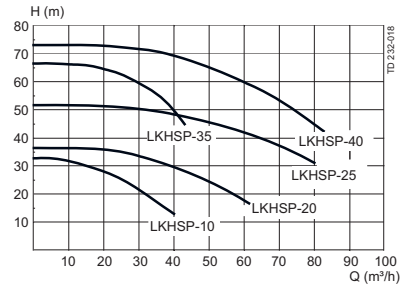
Note! If the static back pressure is higher than 0.8 bar, the LKC-2 special valve will not work as intended as the spring will not open the ball in the valve.

Frequency control is not possible. The system cannot work at lower rpm.

Dimensions (mm)



Flow chart



Frequency: 50 Hz, speed (synchr.): 3000 rpm

	LKHSP-10				LKHSP-20			
Motor kW	1.5	2.2	3	4	2.2	3	4	5.5/7.5
A min.	346	346	357	383	346	357	383	380
A max.	432	432	467	496	432	467	496	513
B	288	288	323	359	288	323	359	383
C	739	739	824	834	782	836	846	924

	LKHSP-25		LKHSP-35		LKHSP-40			
Motor kW	5.5/7.5	11/15	4	5.5/7.5	11/15	7.5	11/15/18.5	22
A min.	380	490	383	380	490	380	490	546
A max.	513	607	496	513	607	513	607	671
B	383	485	359	383	485	383	485	533
C	950	1131	837	915	1116	945	840	905

Ordering

Please see the LKHSP options pages in Ordering Leaflet.

Note!

- The self-priming pump can only be supplied in sanitary versions.
- For further details, see also IM 70818 and IM 70737.

The Premium Evaporator Pump

LKH Evap Centrifugal Pump

Applications

The LKH Evap pump is a highly efficient and economical centrifugal pump, which meets the requirements of sanitary and gentle product treatment and chemical resistance. LKH Evap is specially designed for use in the evaporation industry covering applications as liquid concentration and powder processing solutions as well as dewatering plant and equipment for the international dairy, food and beverage, ethanol, starch, pharmaceutical, chemical, alcohol and brewery industries.

LKH Evap is available in ten sizes, LKH Evap-10,-15, -20, -25, -35, -40, -45, -50, -60 and -70.

Standard design

The LKH Evap pump is designed for CIP with emphasis on large internal radii and cleanable seals for use in the Evaporator industry and can be delivered with Clear Flow Impeller as an option. The Clear Flow Impeller is to be used in applications where there is a risk of building up a hard layer of product between impeller and backplate. The LKH Evap has a stainless steel shroud for protection of the motor, and the complete unit is supported on four adjustable stainless steel legs.

Shaft seals

The LKH Evap pump is equipped with either an external single or a flushed shaft seal. Both have stationary seal rings in stainless steel AISI 329 with sealing surface in silicon carbide and rotating seal rings in carbon. The secondary seal of the flushed seal is a long lasting lip seal. The pump may also be equipped with a double mechanical shaft seal.



TECHNICAL DATA

Materials

Product wetted steel parts: W. 1.4404 (316L).
 Other steel parts: W. 1.4301 (304).
 Finish: Semi bright.
 Product wetted seals: EPDM rubber.

Connections for FSS and DMSS:

6mm tube/Rp 1/8".

Motor

Foot-flanged motor according to the IEC metric standard, 2 poles = 3000/3600 rpm at 50/60 Hz, IP 55 (with drain hole with labyrinth plug), insulation class F.

Motor sizes

50 Hz: 1.5 - 75 kW.
60 Hz: 1.75 - 86 kW.

Warranty

Extended 3-years warranty on LKH Evap pumps. The warranty covers all non wear parts on the condition that genuine Alfa Laval Spare Parts are used.

OPERATING DATA

Pressure

Max. inlet pressure: LKH Evap-10/-70: 1000kPa (10 bar).

Temperature

Temperature range: -10°C to +140°C (EPDM).

Flushed shaft seal:

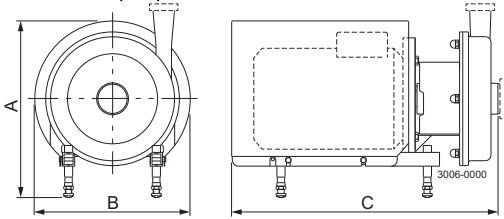
Water pressure inlet: Max. 1 bar.
 Water consumption: 0.25 -0.5 l/min.

Double mechanical shaft seal:

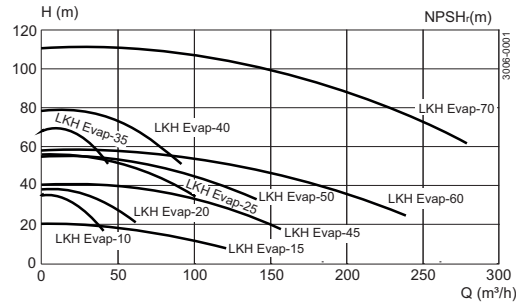
Water pressure inlet, LKH Evap-10/-60: Max. 500 kPa (5 bar).
 Water pressure inlet, LKH Evap-70: . . . Max. 300 kPa (3 bar).
 Water consumption: 0.25 -0.5 l/min.



Dimensions (mm)



Flow chart



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than shown on the curves above

	LKHevap-10				LKHevap-15			LKHevap-20				
Motor kW	1.5	2.2	3	4	3	4	5.5	1.5	2.2	3	4	5.5/7.5
A min.	346	346	357	383	357	383	380	346	346	357	383	380
A max.	432	432	467	496	467	492	513	432	432	467	496	513
B	288	288	323	359	323	359	383	288	288	323	359	383
C	483	483	538	548	574	584	662	496	496	550	560	638

	LKHevap-25		LKHevap-35		LKHevap-40			LKHevap-45			
Motor kW	5.5/7.5	11/15	4	5.5/7.5	11/15	7.5	11/15/18.5	22	4	5.5/7.5	11/15
A min.	380	490	383	380	490	380	490	546	383	380	490
A max.	513	607	496	513	607	513	607	671	496	513	607
B	383	485	359	383	485	383	485	534	359	383	485
C	644	845	551	629	830	639	840	905	580	658	859

	LKHevap-50			LKHevap-60				LKHevap-70				
Motor kW	5.5/7.5	11/15/18.5	22	5.5/7.5	11/15/18.5	22	30	5.5/7.5	11/15/18.5	22	30/37/45	55/75
A min.	380	490	546	380	490	546	661	380	490	546	661	811
A max.	513	607	671	513	607	671	786	513	607	671	786	872
B	383	485	534	383	485	534	673	383	485	534	673	753
C	652	853	917	681	882	946	1084	671	865	930	1068	1306

Options

- A. Impeller with reduced diameter.
- B. Motor for other voltage and/or frequency.
- C. Motor with increased safety/flame proof motor.
- D. Inducer (only LKH Evap 10 to -50).
- E. Flushed shaft seal.
- F. Double mechanical shaft seal.
- G. Clear Flow Impeller. Special designed impeller for applications where there is a risk of building up a hard layer of product between impeller and backplate.
- H. Surface roughness, product wetted parts: $R_a \leq 0.8 \mu m$.
- I. Product wetted seals of Nitrile (NBR), Fluorinated rubber (FPM) or FEP.
- J. Rotating seal ring of Silicon Carbide.

Ordering

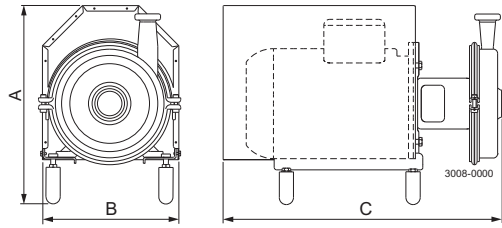
Please state the following when ordering:

- Pump size.
- Connections.
- Impeller diameter.
- Motor size.
- Voltage and frequency.
- Flow, pressure and temperature.
- Density and viscosity of the product.
- Options.

Note!

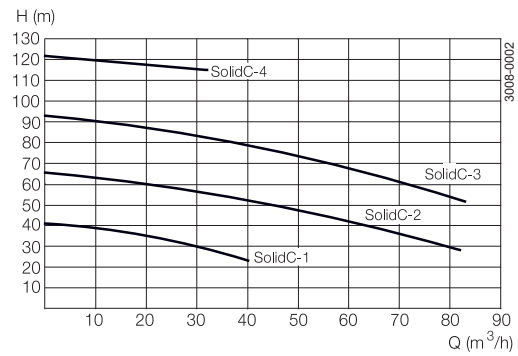
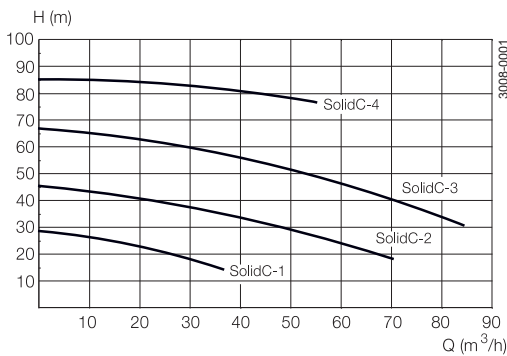
For further details, see also instruction manual.

Dimensions (mm)



	SolidC-1				SolidC-2				SolidC-3				SolidC-4			
Motor kW	1.5	2.2	3	4	3	4	5.5/7.5	11	5.5/7.5	11/15	18.5	5.5/7.5	11/15	18.5/22		
A min	392	392	417	447	417	447	478	556	478	556	556	478	556	556		
A max	407	407	432	462	432	462	493	571	493	571	571	493	571	571		
B	235	235	285	285	285	285	335	385	335	385	385	335	385	385		
C	499	499	549	552	559	559	691	819	683	812	812	682	811	811		

Flow chart



Options

- A. Impeller with reduced diameter.
- B. Motor for other voltage and/or frequency.
- C. 1500 rpm. motor.
- D. Flushed shaft seal.
- E. Product wetted seals of Nitrile (NBR), Fluorinated rubber (FPM) or FEP.
- F. Rotating seal ring material in Silicon Carbide.

Ordering

Please state the following when ordering:

- Pump size.
- Connections.
- Impeller diameter.
- Motor size.
- Voltage and frequency.
- Flow, pressure and temperature.
- Density and viscosity of the product.
- Options.

Notel

For further details, see also ESE00797.

When Higher Purity is the Issue

SolidC UltraPure Centrifugal Pump

Applications

The SolidC UltraPure pump is an efficient and economical centrifugal pump, which meets the requirements of the pharmaceutical industries. It provides gentle product treatment and is chemically resistant. SolidC UltraPure is available in four sizes, SolidC-1 UltraPure, SolidC-2 UltraPure, SolidC-3 UltraPure and SolidC-4 UltraPure.

Standard design

As standard the SolidC UltraPure is delivered with a 45° outlet (counterclockwise).

The SolidC UltraPure pump is designed for CIP and SIP with emphasis on large internal radii and cleanable seals. SolidC UltraPure is supported on four adjustable legs.

Shaft seals

The SolidC UltraPure pump is equipped with either an external single or a flushed shaft seal. Both have stationary seal rings in acid-resistant steel AISI 329 with sealing surface in silicon carbide and rotating seal rings in silicon carbide. The secondary seal of the flushed seal is a long lasting lip seal.



TECHNICAL DATA

Materials

Product wetted steel parts: . . . W. 1.4404 (316L) with material traceability EN.10204.3.1

Other steel parts: W. 1.4301 (304).

Product wetted seals: EPDM USP class 6.

Finish: Bright (Ra 0.5).

Connections for FSS:

6mm tube/Rp 1/8".

Motor

Foot-flanged motor according to the IEC metric standard (EFF II), 2 poles = 3000/3600 rpm. at 50/60 Hz, IP 55 (with drain hole with labyrinth plug), insulation class F.

Motor sizes

50 Hz: 1.1 - 22 kW

60 Hz: 1.3 - 25 kW.

NOTE!

When used with frequency converter the 22 kW motor only has 20 kW effect.

Warranty

Extended 3-years warranty on the SolidC UltraPure Centrifugal Pump range. The warranty covers all non wear parts on the condition that genuine Alfa Laval Spare Parts are used.

OPERATING DATA

Pressure

Max. inlet pressure: 400 kPa (4 bar).

Temperature

Temperature range: -10°C to +120°C (EPDM).

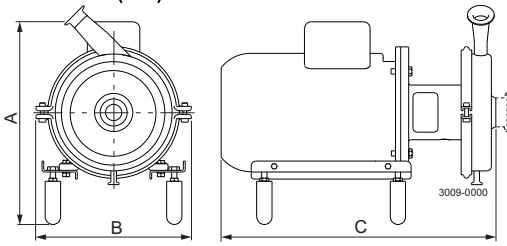
Flushed shaft seal (FSS):

Water pressure inlet: max. 100 kpa (1 bar).

Water consumption: 0.25 -0.5 l/min.

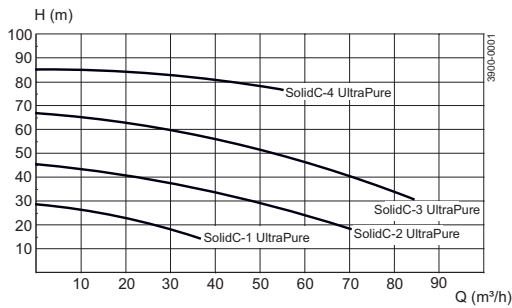


Dimensions (mm)

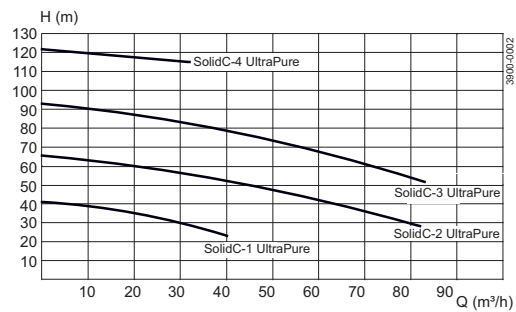


	SolidC-1 UltraPure				SolidC-2 UltraPure				SolidC-3 UltraPure				SolidC-4 UltraPure		
Motor kW	1.5	2.2	3	4	3	4	5.5/7.5	11	5.5/7.5	11/15	18.5	5.5/7.5	11/15	18.5/22	
A min	345	345	369	397	369	397	444	515	444	515	515	444	515	515	
A max	360	360	384	412	384	412	459	530	459	530	530	459	530	530	
B	305	305	305	305	349	349	349	349	390	390	390	410	410	410	
C	455	455	486	508	496	515	634	700	631	693	749	632	692	748	

Flow chart



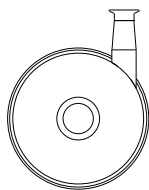
Frequency: 50 Hz
Speed /synchr.): 3000 rpm



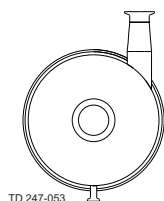
Frequency: 60 Hz
Speed /synchr.): 3600 rpm

Options

- A. Impeller with reduced diameter.
- B. Motor for other voltage and/or frequency.
- C. 1500 rpm. motor.
- D. Flushed shaft seal.
- E. Product wetted seals of Fluorinated rubber (FPM) or FEP.
- F. Pump with shroud.
- G. Pump without legs.
- H. 0° outlet, see drawing below.
- I. No Drain.
- J. Finish product wetted surface Ra 0.8 µm.
- K. Finish product wetted surface Ra 0.5 µm (electropolished).
- The final surface value will change after electropolishing.
- L. Surface finish certificate.
- M. SIP to 140°C.



No Drain



0°outlet

Standard documentation package:

- 3.1 certificate according to EN10204
- FDA certificate of conformity for product wetted elastomers.
- USP class 6 certificate of conformity - EPDM only
- Pump performance test certificate

Ordering

Please state the following when ordering:

- Pump size.
- Connections.
- Impeller diameter.
- Motor size.
- Voltage and frequency.
- Flow, pressure and temperature.
- Density and viscosity of the product.
- Options.

Notel

For further details, see also IM 70821.

The Low Capacity Pump

FM-OS Centrifugal Pump

Application

Centrifugal pump FM-OS is designed for use in food, pharmaceutical, chemical and other industries where acid-resistant steel is resistant to the products to be pumped.

Standard design

All product wetted parts, ie. pump casing, impeller and pump shaft, are made of acid-resistant steel 1.4404 (316L). Screws, yoke and nuts are made of stainless steel 1.4301 (304). Seals are made of Nitrile (NBR).

Shaft seal

Mechanical single or flushed seal with stationary seal ring of acid-resistant steel AISI 329 with sealing surface of silicon carbide and with rotating seal ring of carbon.



TECHNICAL DATA

Motor

Standard foot-flanged motor acc. to IEC metric standard, 2 pol = 3000/3600 rpm. at 50/60 Hz, IP55 (with drain holes with labyrinth plug), insulation class F.

Motor size

50 Hz: 1.1 kW.
60 Hz: 1.3 kW.

OPERATING DATA

Pressure

Max. inlet pressure: 400kPa (4 bar).
Max. outlet pressure: 700kPa (7 bar).
Max. water pressure, (flushed seal): . . . Normally atmospheric
(max. 1 bar)

Temperature

Temperature range: -10°C to +140°C (EPDM).

Water consumption

Flushed seal: 0.25 - 0.5 l/min.

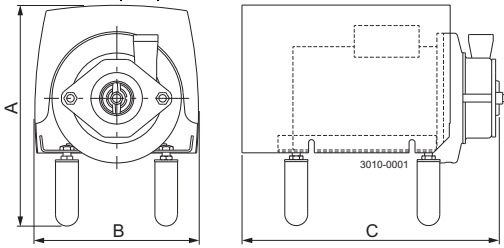
Impeller diameter

Impeller diameter: 115 mm.

Weight

Weight: 20 kg.

Dimensions (mm)

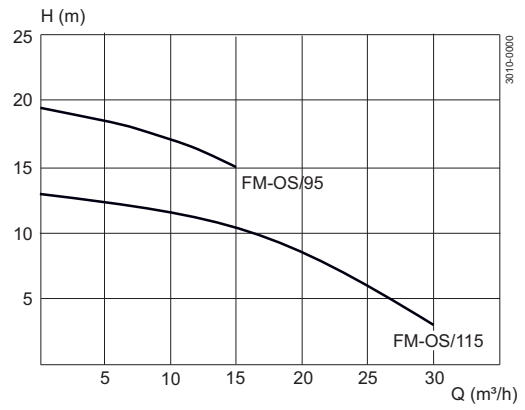


		FM-OS
Motor	kW	1.1
A	min.	345
A	max.	375
B		252
C		397

Options

- A. Impeller with reduced diameter.
- B. Flushed shaft seal.
- C. Other voltage, frequency or flameproof motor.
- D. Inlet and outlet with flanges.
- E. Counter flanges, collars and seal rings.
- F. Product wetted seals of EPDM, Fluorinated Rubber (FPM) or Teflon (PTFE).
- G. Rotating seal ring of Silicon Carbide.

Volumetric flow



Ordering

Please state the following when ordering:

- Pump type.
- Voltage and frequency.
- Flow rate, pressure and temperature.
- Density and viscosity of product.
- Options.

NOTE!

For further details, see also instruction IM 70344.

Inlet and outlet: 51 mm

The Smallest Pump Choice

GM and GM-A Centrifugal Pump

Application

The GM centrifugal pump is specially designed for food, chemical, pharmaceutical and other industries where acid resistant steel is resistant to the products to be pumped.

Standard design

GM:

Pump casing and shaft of acid-resistant steel 1.4404 (316L). Impeller of glass fibre reinforced nylon (max. 80°C). Studbolts and nuts for pump casing of stainless steel 1.4301 (304). Adaptor and collets of plastic.

GM-A:

As GM, but impeller of acid resistant steel 1.4404 (316L), nuts and yoke of stainless steel 1.4301 (304) and adaptor of cast iron. Seals are made of Nitrile (NBR).

Shaft seal

Mechanical single seal with stationary seal ring of acid-resistant steel AISI 329 with sealing surface of silicon carbide, and with rotating seal ring of carbon.



TECHNICAL DATA

Motor

Standard foot-flanged motor acc. to IEC metric standard, 2 pol = 3000/3600 rpm. at 50/60 Hz, IP55 (with drain holes with labyrinth plug), insulation class F.

Motor size

50 Hz: 0.55 kW.

OPERATING DATA

Pressure

Max. inlet pressure: 400 kPa (4 bar).

Temperature range

GM: -10°C to +80°C

GM-A: -10°C to +140°C (EPDM)

Impeller diameter

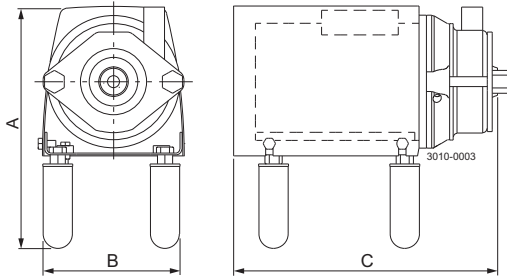
Impeller diameter: 115 mm.

Weight

GM: 11 kg.

GM-A: 13 kg.

Dimensions (mm)



GM/GM-A		
Motor	kW	0.55
A	min.	294
A	max.	324
B		171
C		307

Options

- A. Impeller with reduced diameter.
- B. Fitted on stainless steel legs (3 legs).
- C. Shroud and adjustable legs (4 legs).
- D. Other voltage, frequency or flameproof motor.
- E. Inlet and outlet with flanges.
- F. Counter flanges, collars and seal rings for flanged connections.
- G. Product wetted seals of EPDM, Fluorinated rubber (FPM) or PTFE.
- H. Rotating seal ring of Silicon Carbide.

Ordering

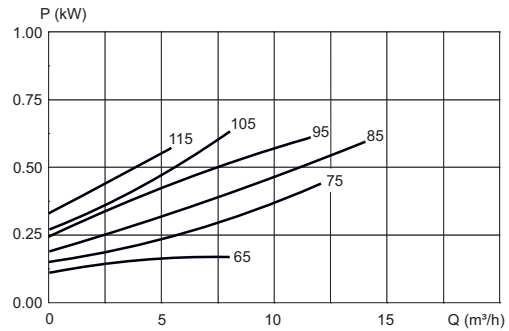
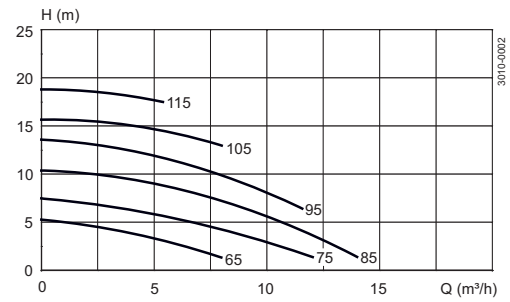
Please state the following when ordering:

- Pump type.
- Connections.
- Voltage and frequency.
- Flow rate, pressure and temperature.
- Density and viscosity of product.
- Options.

Notel

For further details see also instruction IM 70023.

Volumetric flow



Performance Curves

LKH-5, 50 Hz

Motor: **3000 rpm. synchron.**
 Tolerance: $\pm 5\%$
 Impeller, Max. dia.: 132 mm
 Impeller, Min. dia.: 90 mm
 Pump inlet, Dia.: 51 mm, DN 50
 Pump outlet, Dia.: 38 mm, DN 40

Motor: **1500 rpm. synchron.**
 Tolerance: $\pm 5\%$
 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.

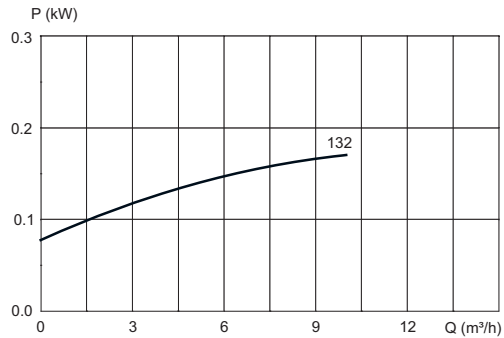
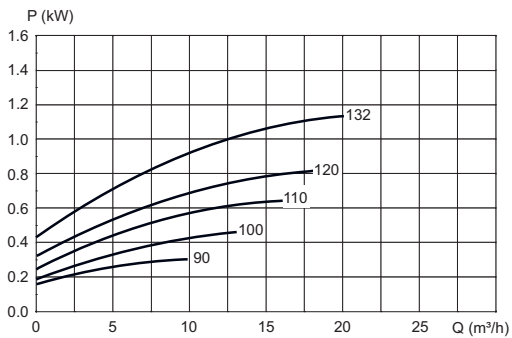
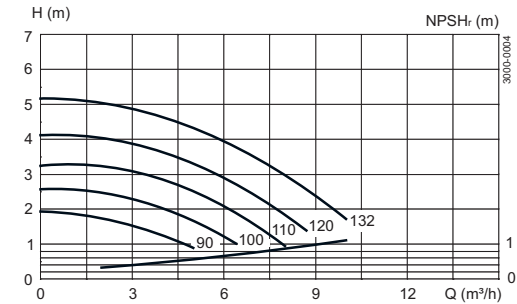
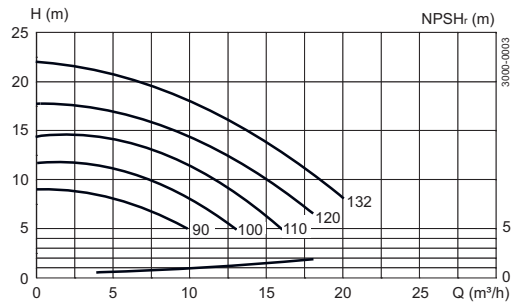
Performance data refer to water at 20 °C.

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

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

DO NOT FORGET THE SAFETY FACTOR.

DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

LKH-5, 60 Hz

Motor: **3600 rpm. synchron.**
 Tolerance: $\pm 5\%$
 Impeller, Max. dia.: 132 mm
 Impeller, Min. dia.: 90 mm
 Pump inlet, Dia.: 51 mm, DN 50
 Pump outlet, Dia.: 38 mm, DN 40

Motor: **1800 rpm. synchron.**
 Tolerance: $\pm 5\%$
 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.

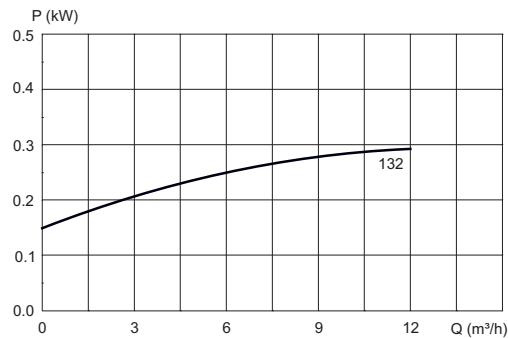
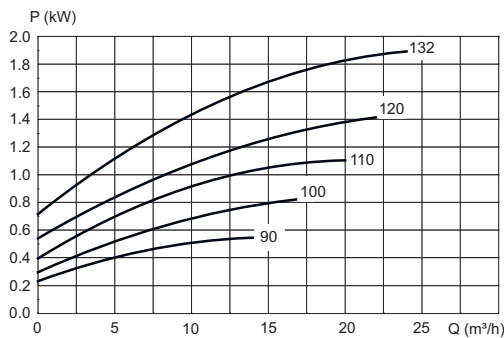
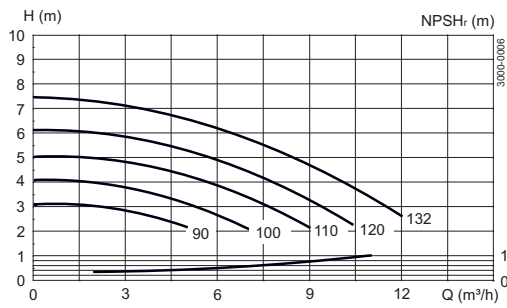
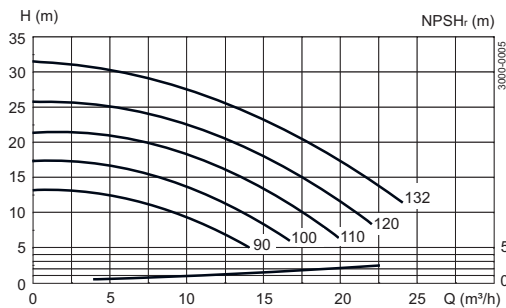
Performance data refer to water at 20 °C.

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

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.

DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

LKH-/ LKHPF-/ LKHI-/ LKH Evap-10, 50 Hz

Motor: **3000 rpm. synchr.**
 Tolerance: $\pm 5\%$
 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

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

Performance data refer to water at 20 °C.

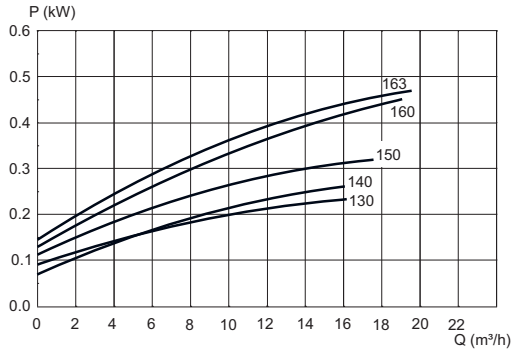
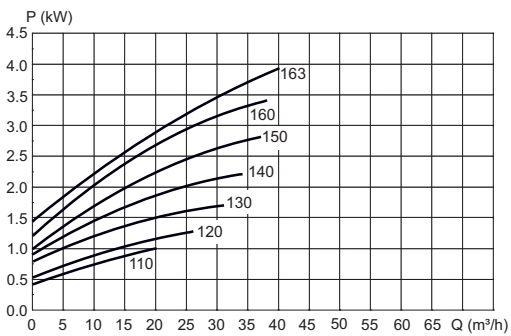
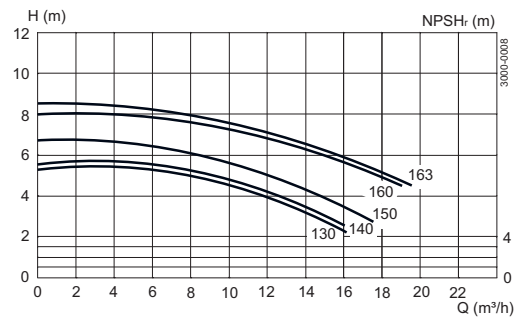
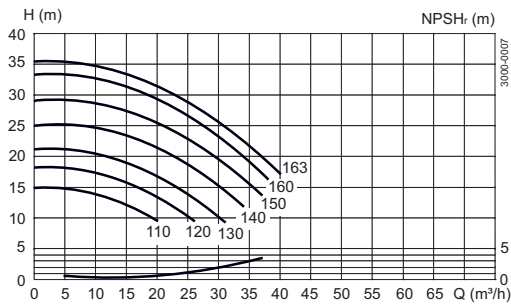
Performance data refer to water at 20 °C.

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

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

DO NOT FORGET THE SAFETY FACTOR.

DO NOT FORGET THE SAFETY FACTOR.



Note: If Clear flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

LKH-/ LKHPF-/ LKHI -/ LKH Evap-10, 60 Hz

Motor: **3600 rpm. synchron.**
 Tolerance: $\pm 5\%$
 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

Motor: **1800 rpm. synchron.**
 Tolerance: $\pm 5\%$
 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.

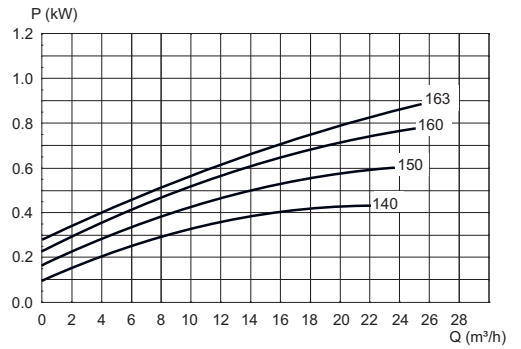
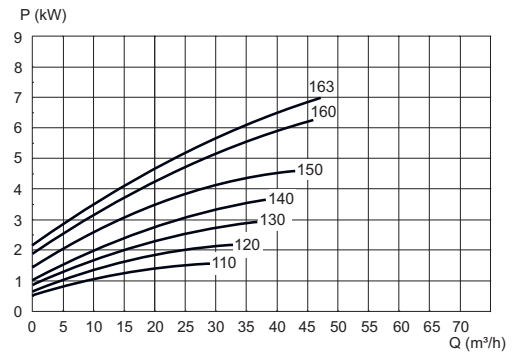
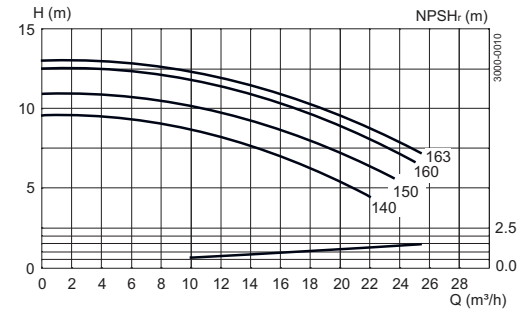
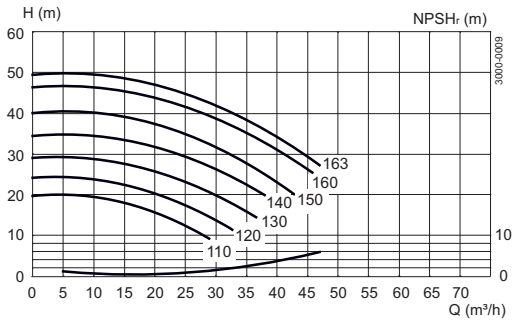
Performance data refer to water at 20 °C.

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

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

DO NOT FORGET THE SAFETY FACTOR.

DO NOT FORGET THE SAFETY FACTOR.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

LKH-/ LKHI/ LKH Evap-15, 50 Hz

Motor: **3000 rpm. synchr.**
 Tolerance: $\pm 5\%$
 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

Motor: **1500 rpm. synchr.**
 Tolerance: $\pm 5\%$
 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

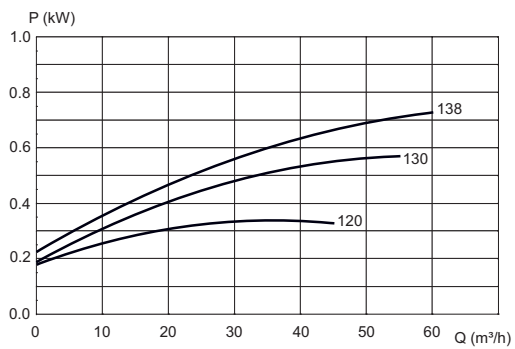
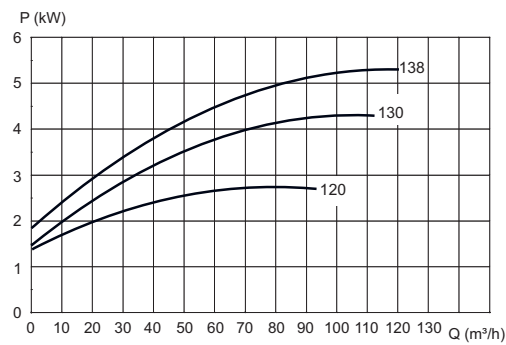
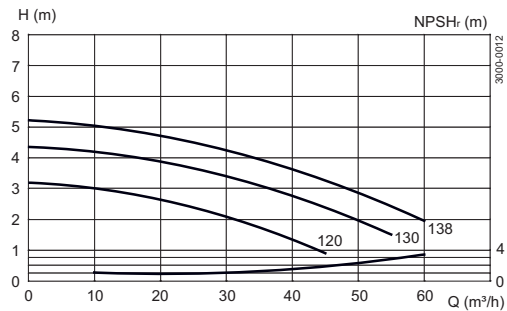
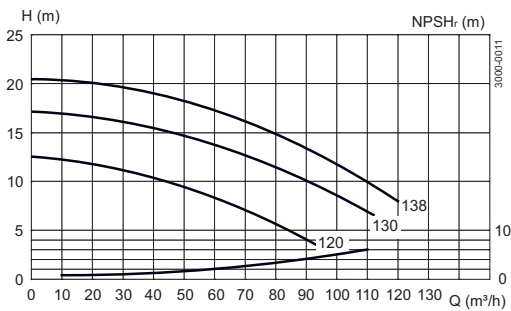
Performance data refer to water at 20°C.

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.

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

DO NOT FORGET THE SAFETY FACTOR.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

LKH-/ LKHI/ LKH Evap-15 , 60 Hz

Motor: **3600 rpm. synchr.**
 Tolerance: $\pm 5\%$.
 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

Motor: **1800 rpm. synchr.**
 Tolerance: $\pm 5\%$.
 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.

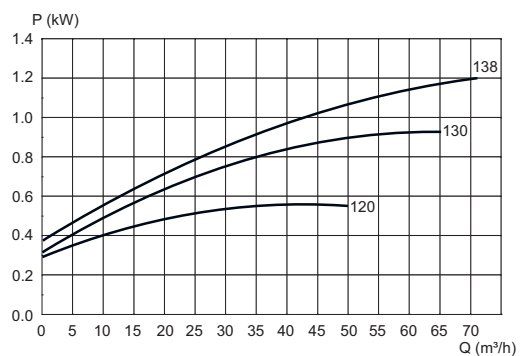
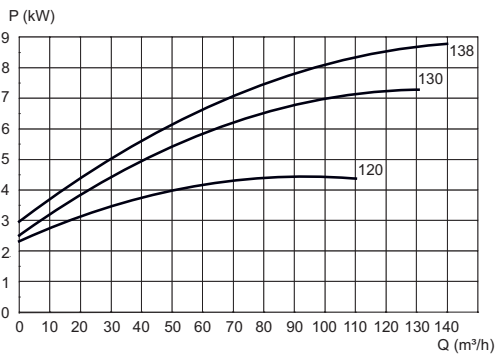
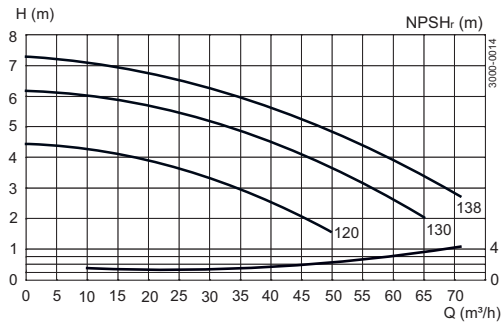
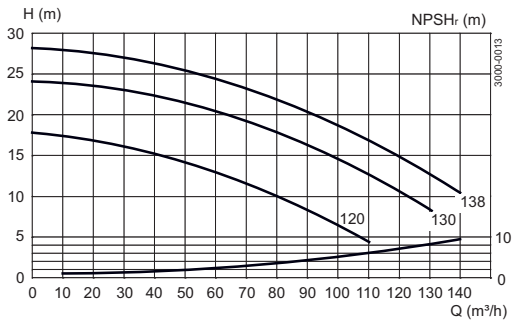
NOTE! The curves refer to motor: 8.6 kW, 3455 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

Performance data refer to water at 20°C.

NOTE! The curves refer to motor: 1.75 kW, 1710 rpm. asynchr., 60 Hz.

DO NOT FORGET THE SAFETY FACTOR.

DO NOT FORGET THE SAFETY FACTOR.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

LKH-/ LKHPF-/ LKHI-/ LKH Evap-20, 50 Hz

Motor: **3000 rpm. synchr.**
 Tolerance: $\pm 5\%$
 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

Motor: **1500 rpm. synchr.**
 Tolerance: $\pm 5\%$
 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.

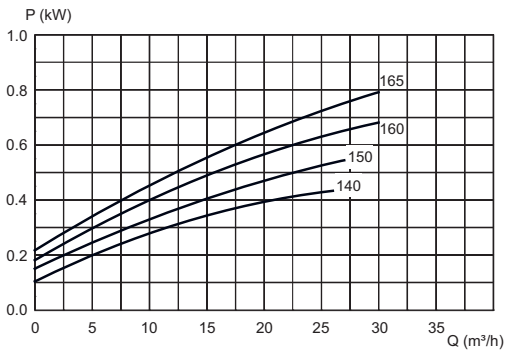
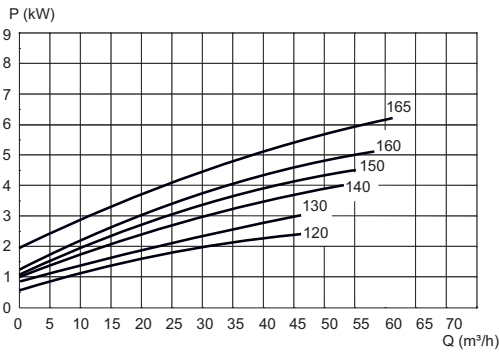
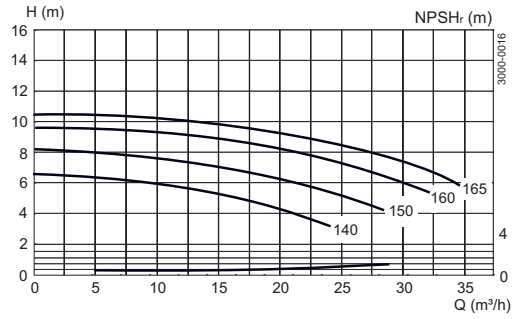
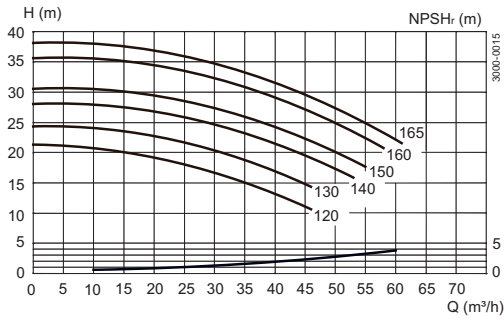
Performance data refer to water at 20 °C.

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

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

DO NOT FORGET THE SAFETY FACTOR.

DO NOT FORGET THE SAFETY FACTOR.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

LKH-/ LKHPF-/ LKHI-/ LKH Evap-20, 60 Hz

Motor: **3600 rpm. synchron.**
 Tolerance: $\pm 5\%$
 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

Motor: **1800 rpm. synchron.**
 Tolerance: $\pm 5\%$
 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.

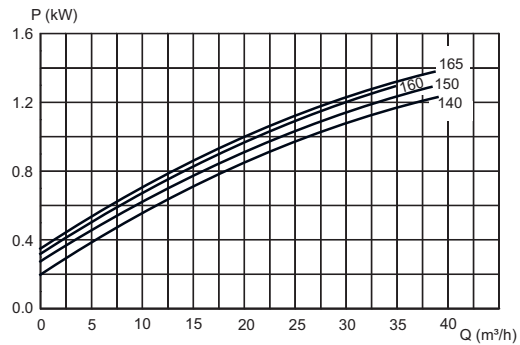
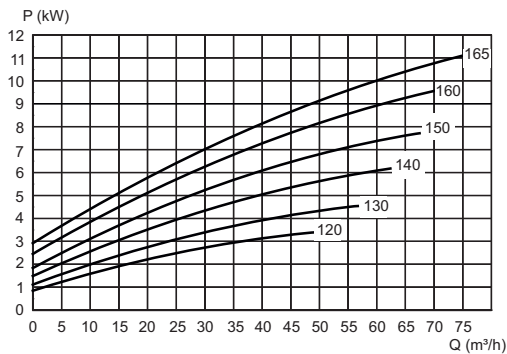
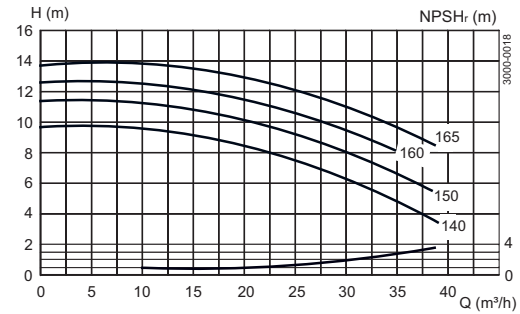
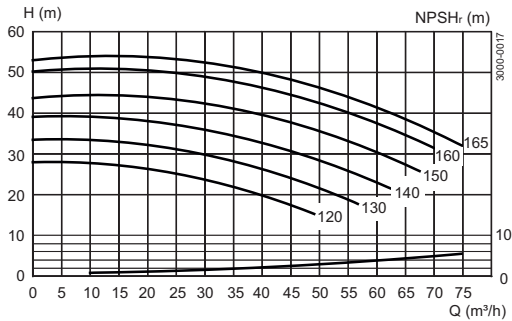
Performance data refer to water at 20 °C.

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

NOTE! The curves refer to motor: 1.75 kW, 1750 rpm. asynchron., 60 Hz.

DO NOT FORGET THE SAFETY FACTOR.

DO NOT FORGET THE SAFETY FACTOR.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

LKH-/ LKHPF-/ LKHI-/ LKH Evap-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

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

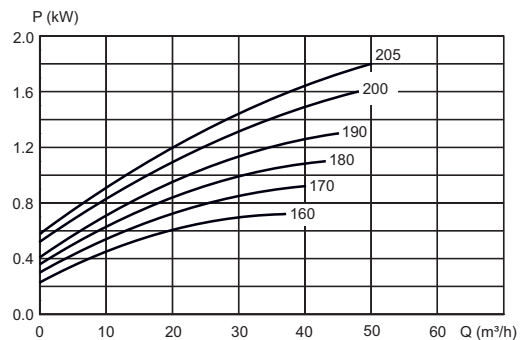
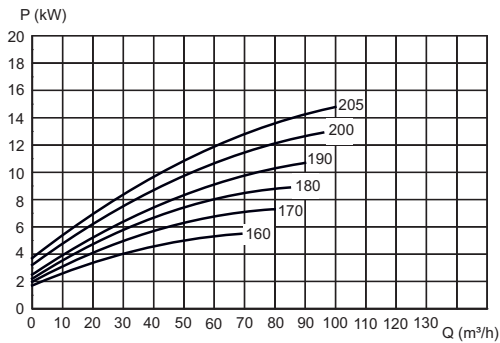
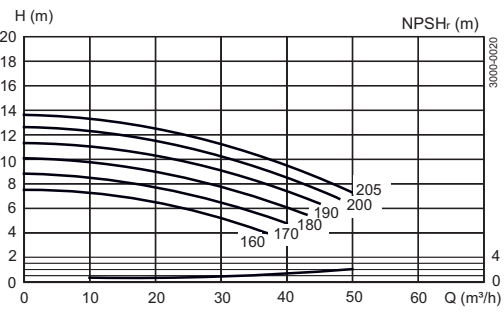
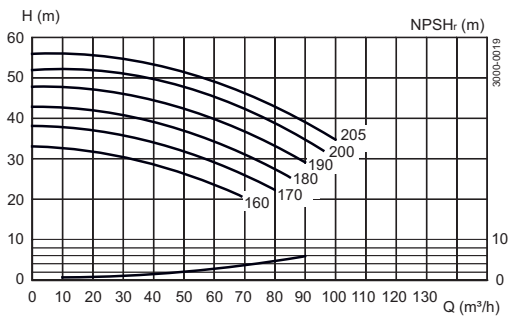
Performance data refer to water at 20 °C.

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.

DO NOT FORGET THE SAFETY FACTOR.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

LKH-/ LKHPF-/ LKHI-/ LKH Evap-25, 60 Hz

Motor: **3600 rpm. synchron.**

Motor: **1800 rpm. synchron.**

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

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.

Performance data refer to water at 20 °C.

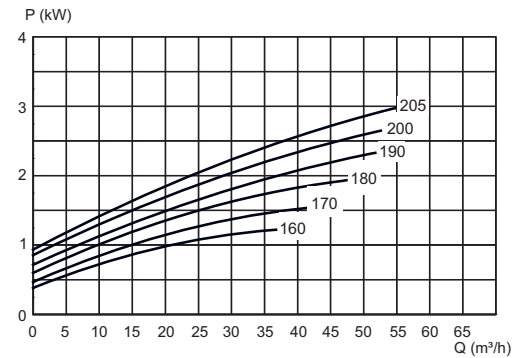
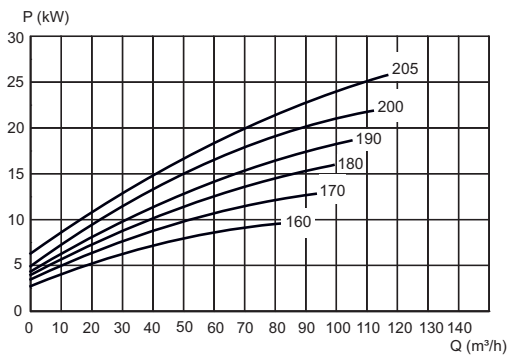
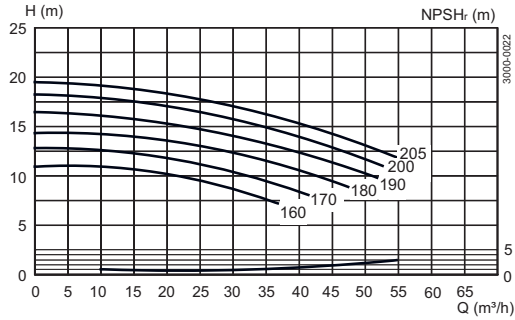
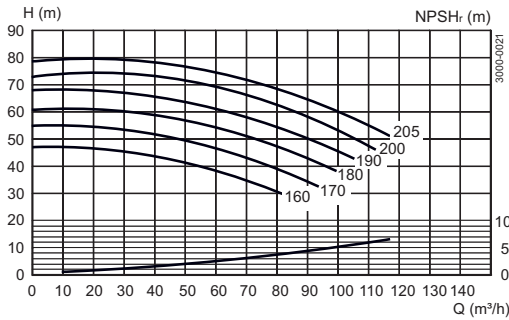
NOTE! The curves refer to motor: 25 kW, 3545 rpm. asynchr., 60 Hz.
 For smaller motors, reduce head (H) with:

- 3% for 12.5 - 21 kW.
- 5% for 6.3 - 8.6 kW.

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

DO NOT FORGET THE SAFETY FACTOR.

DO NOT FORGET THE SAFETY FACTOR.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

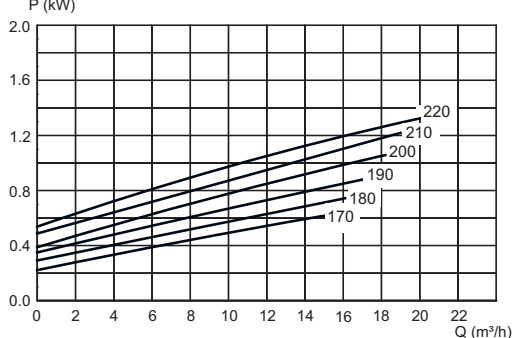
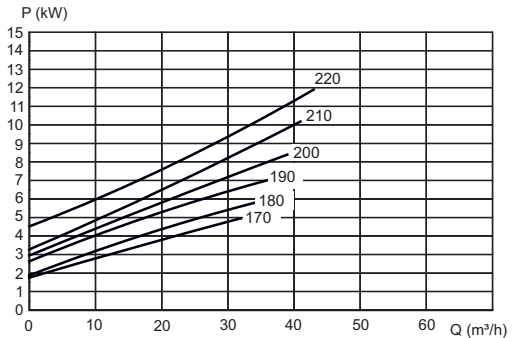
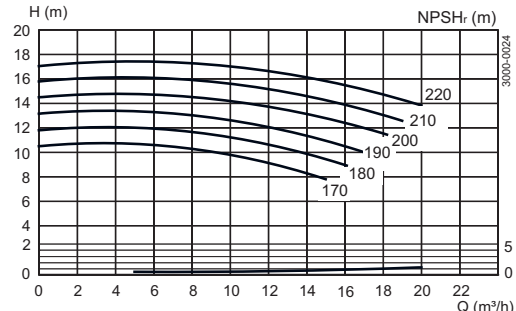
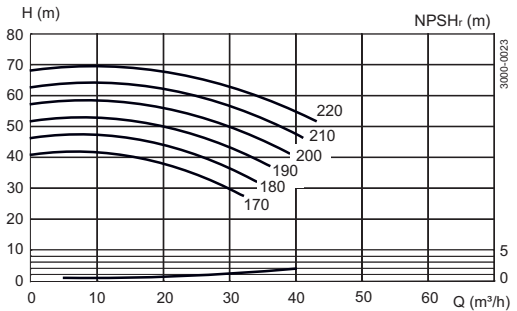
LKH-/ LKHPF-/ LKHI-/ LKH Evap-35, 50 Hz

Motor: **3000 rpm. synchron.**
 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**

Motor: **1500 rpm. synchron.**
 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.

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.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

LKH-/ LKHPF-/ LKHI-/ LKH Evap-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**

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**

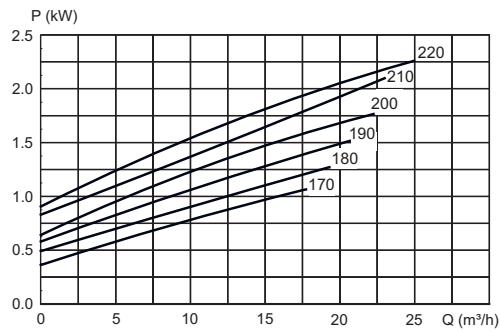
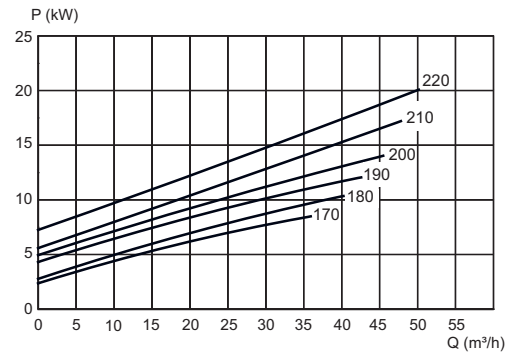
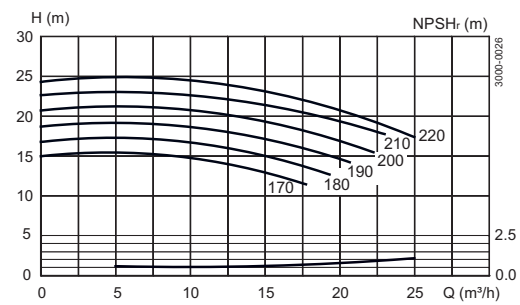
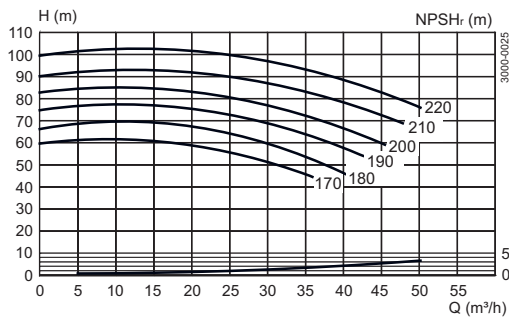
Performance data refer to water at 20 °C.
 NOTE! The curves refer to motor: 21 kW, 3535 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with:

- 3% for 12.5 - 17 kW.
- 5% for 6.3 - 8.6 kW.

DO NOT FORGET THE SAFETY FACTOR.

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.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

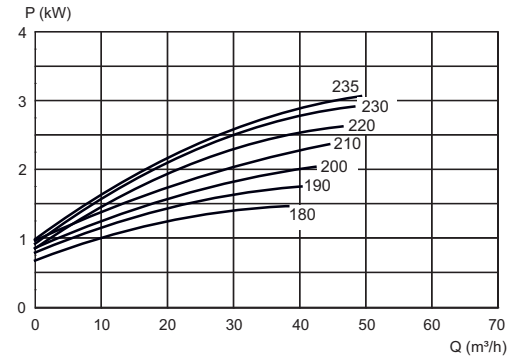
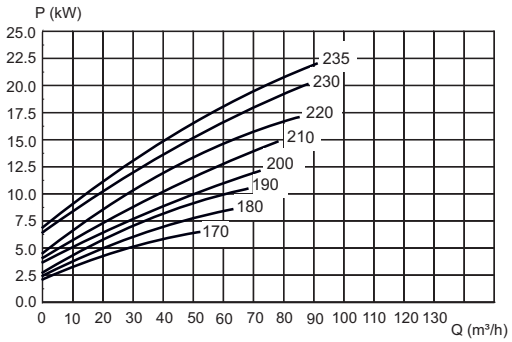
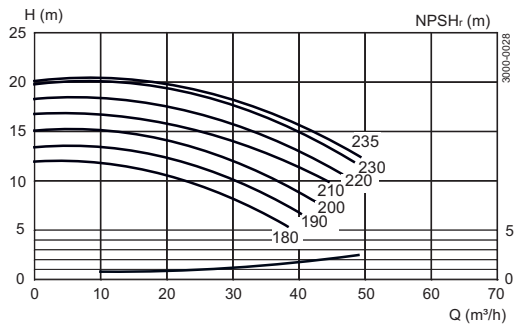
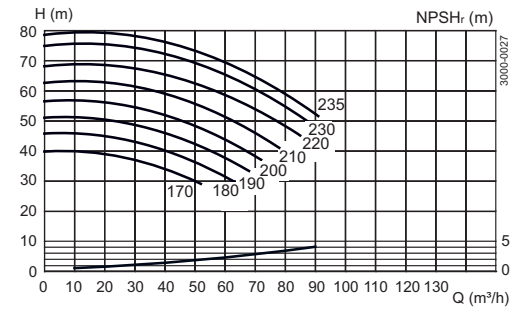
LKH-/ LKHPF-/ LKHI-/ LKH Evap-40, 50 Hz40, 60 Hz

Motor: **3000 rpm. synchron.**
 Tolerance: $\pm 5\%$
 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

Motor: **1500 rpm. synchron.**
 Tolerance: $\pm 5\%$
 Impeller, Max. dia.: 235 mm
 Impeller, Min. dia.: 180 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.

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.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

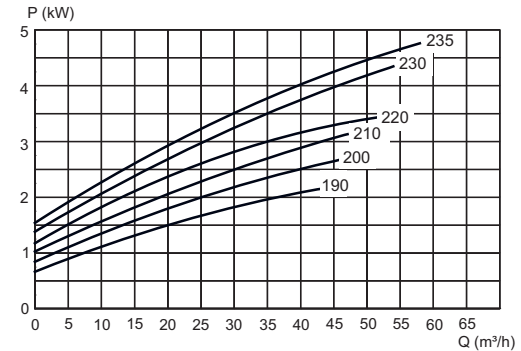
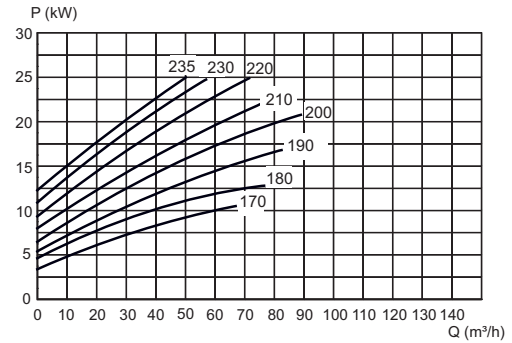
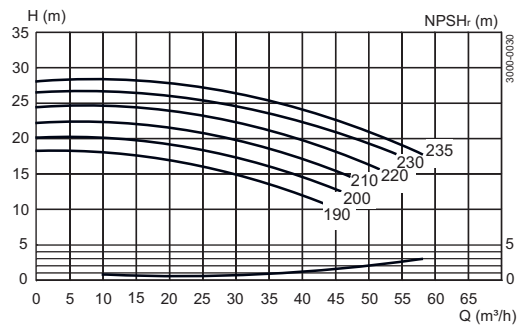
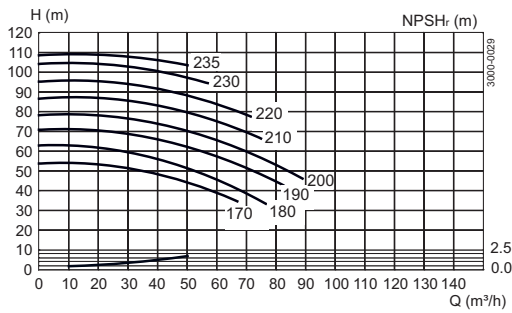
LKH-/ LKHPF-/ LKHI-/ LKH Evap-40, 60 Hz

Motor: **3600 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**

Motor: **1800 rpm. synchr.**
 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: 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.

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.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

LKH-/ LKHPF-/ LKHI-/ LKH Evap-45, 50 Hz

Motor: **3000 rpm. synchron.**
 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**

Motor: **1500 rpm. synchron.**
 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.

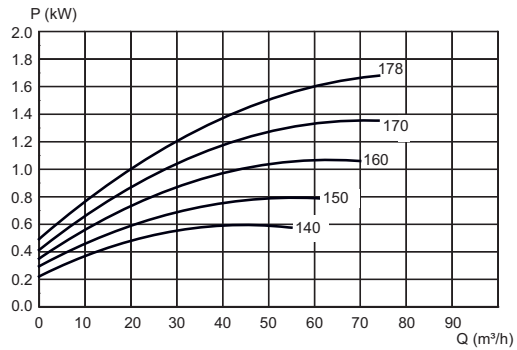
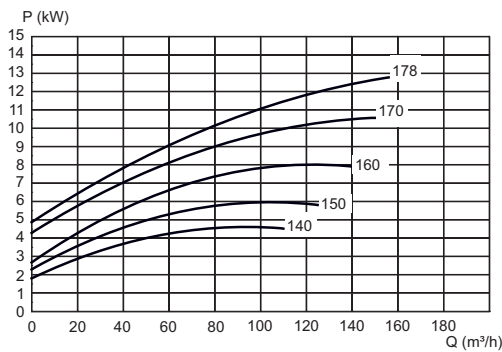
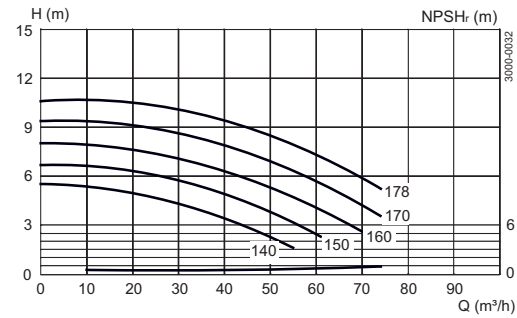
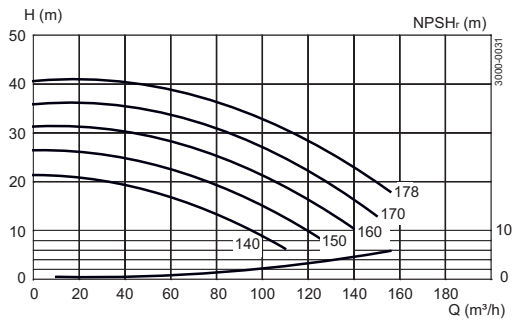
NOTE! The curves refer to motor: 15 kW, 2930 rpm. asynchron., 50 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR.

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.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

LKH-/ LKHPF-/ LKHI-/ LKH Evap-45, 60 Hz

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**

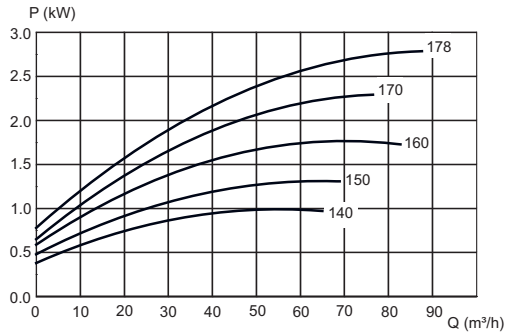
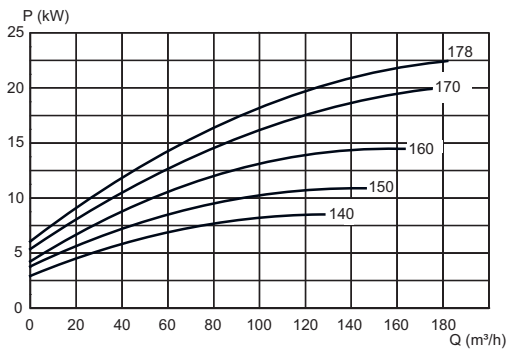
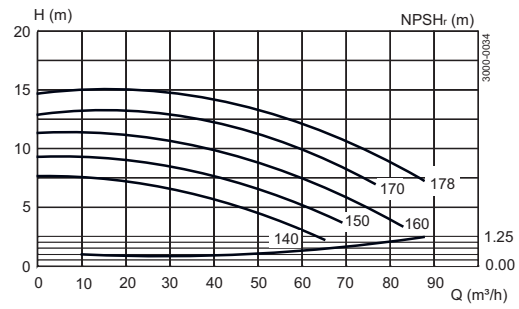
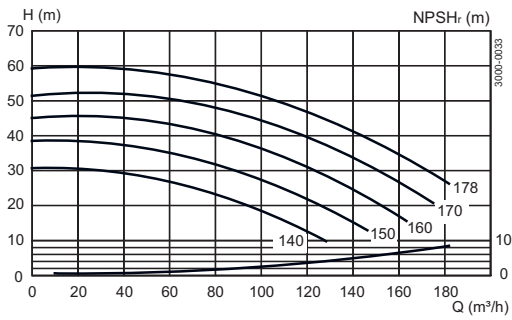
Motor: **1800 rpm. synchr.**
 Tolerance: **±5%.**
 Impeller, Max. dia.: **178 mm**
 Impeller, Min. dia.: **140 mm**
 Pump inlet, Dia.: **101.6 mm, DN 100**
 Pump outlet, Dia.: **76 mm, DN 80**

Performance data refer to water at 20 °C.
 NOTE! The curves refer to motor: 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.

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.

DO NOT FORGET THE SAFETY FACTOR.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

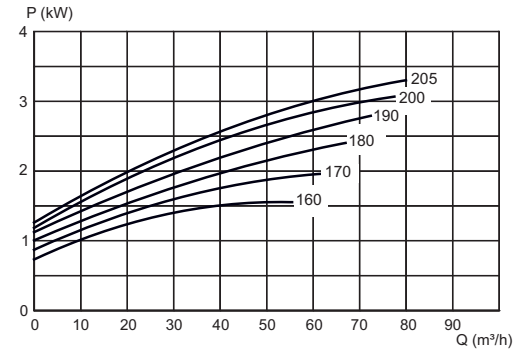
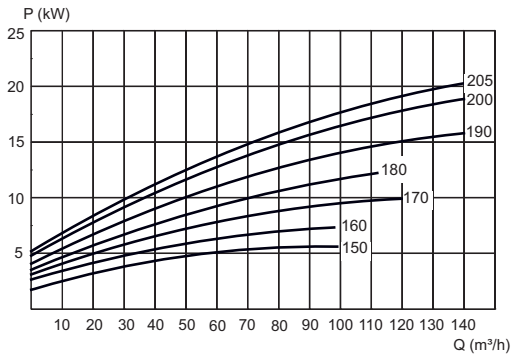
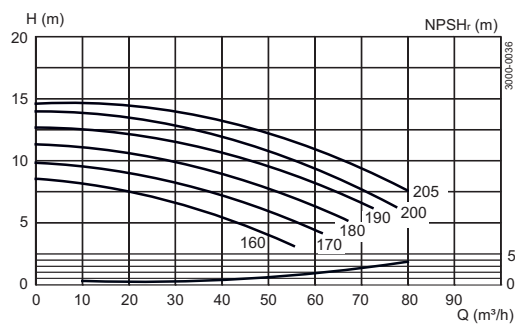
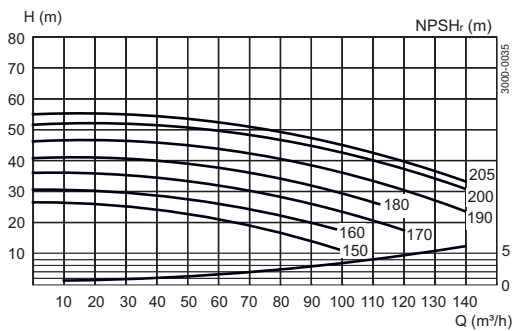
LKH-/ LKHPF-/ LKHI-/ LKH Evap-50, 50 Hz

Motor: **3000 rpm. synchr.**
 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**

Motor: **1500 rpm. synchr.**
 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. asynchr., 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.

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.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

LKH-/ LKHPF-/ LKHI-/ LKH Evap-50, 60 Hz

Motor: **3600 rpm. synchr.**
 Tolerance: $\pm 5\%$
 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

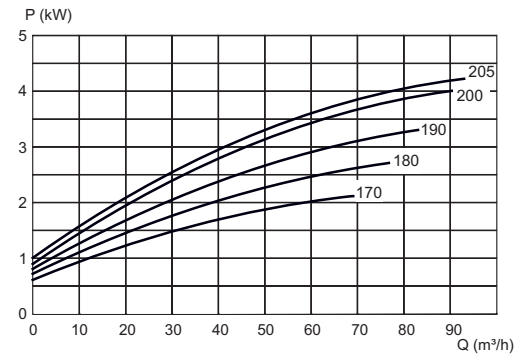
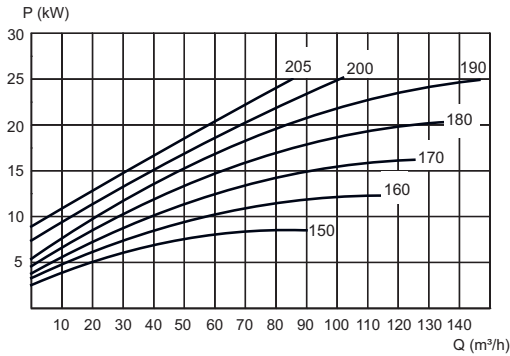
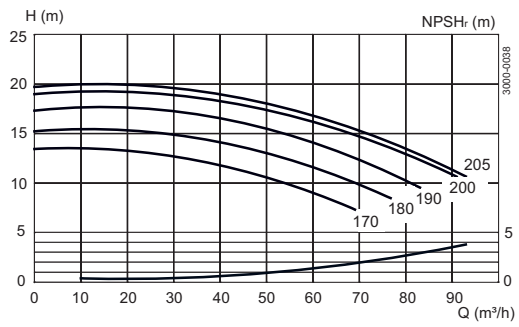
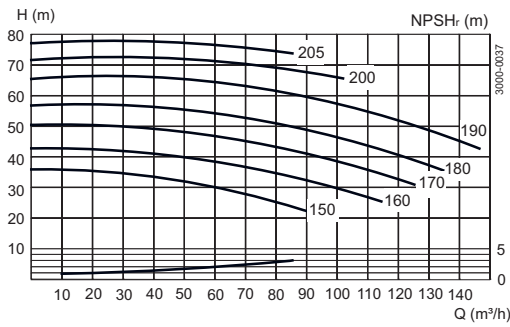
Motor: **1800 rpm. synchr.**
 Tolerance: $\pm 5\%$
 Impeller, Max. dia.: 205 mm
 Impeller, Min. dia.: 170 mm
 Pump inlet, Dia.: 101.6 mm, DN 100
 Pump outlet, Dia.: 76 mm, DN 80

Performance data refer to water at 20 °C.
 NOTE! The curves refer to motor: 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.

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.

DO NOT FORGET THE SAFETY FACTOR.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

LKH-/ LKHPF-/ LKHI-/ LKH Evap-60, 50 Hz

Motor: **3000 rpm. synchron.**
 Tolerance: $\pm 5\%$
 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
 - NDN 100

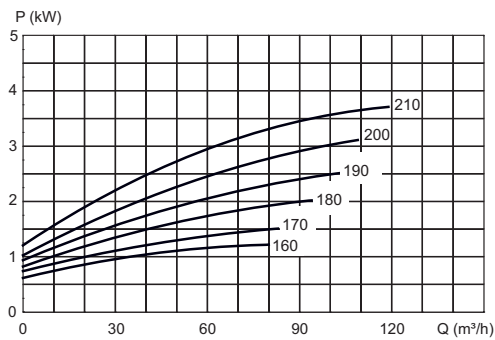
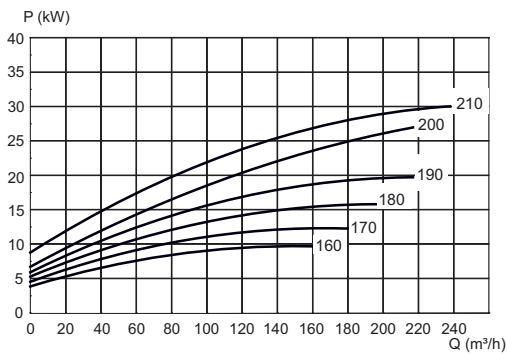
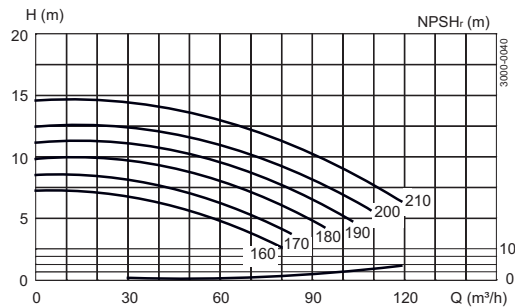
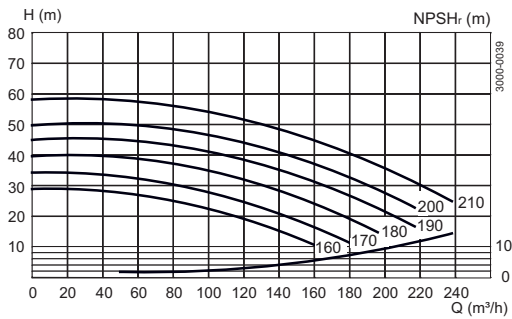
Motor: **1500 rpm. synchron.**
 Tolerance: $\pm 5\%$
 Impeller, Max. dia.: 210 mm
 Impeller, Min. dia.: 160 mm
 Pump inlet, Dia.:
 - 101.6 mm, DN 100
 - DN 150
 Pump outlet, Dia.:
 - 101.6 mm, DN 100
 - DN 100

Performance data refer to water at 20 °C.

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.

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.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

LKH-/ LKHPF-/ LKHI-/ LKH Evap-60, 60 Hz

Motor: **3600 rpm. synchr.**
 Tolerance: $\pm 5\%$
 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

Motor: **1800 rpm. synchr.**
 Tolerance: $\pm 5\%$
 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.

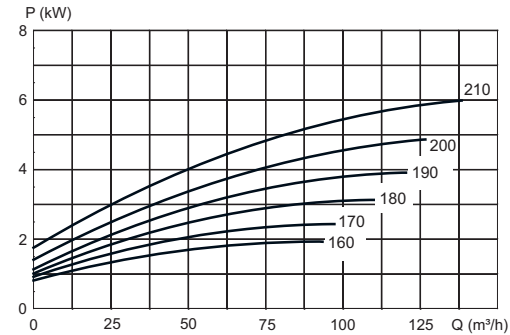
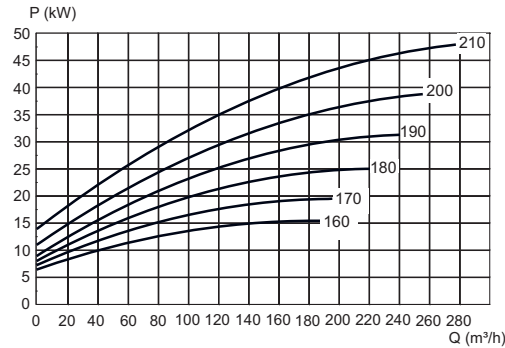
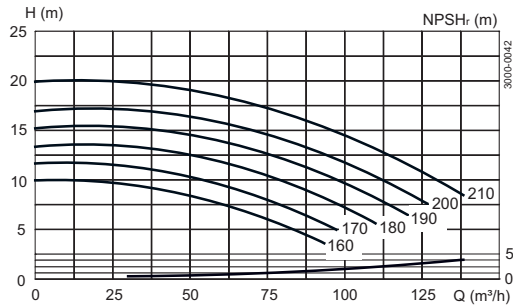
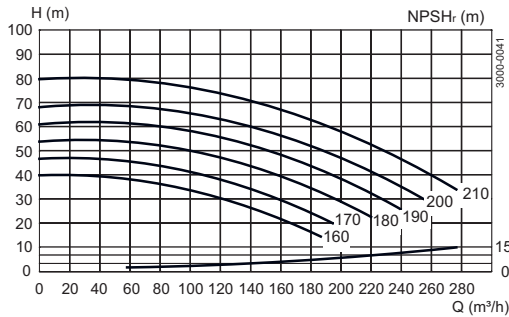
DO NOT FORGET THE SAFETY FACTOR.

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.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

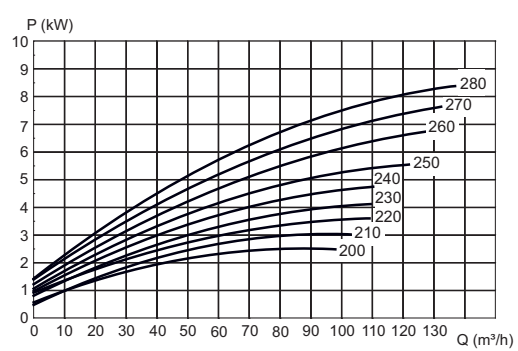
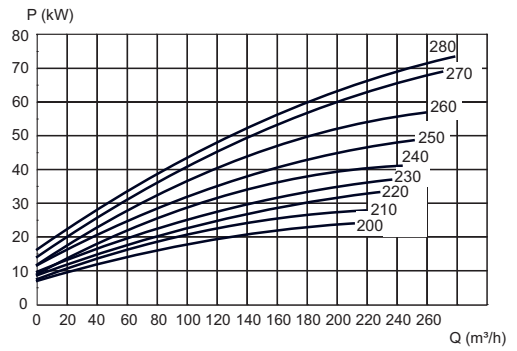
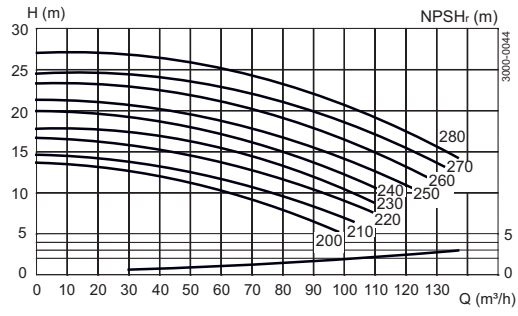
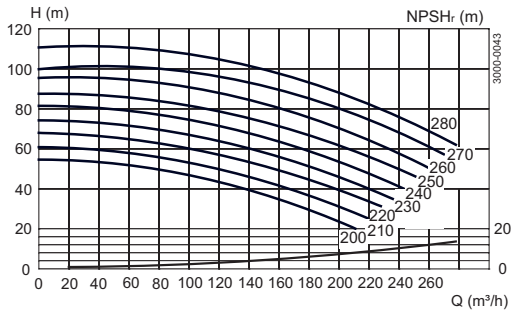
LKH-/ LKHPF-/ LKH Evap-70, 50 Hz

Motor: **3000 rpm. synchron.**
 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**

Motor: **1500 rpm. synchron.**
 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.

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.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

Performance Curves

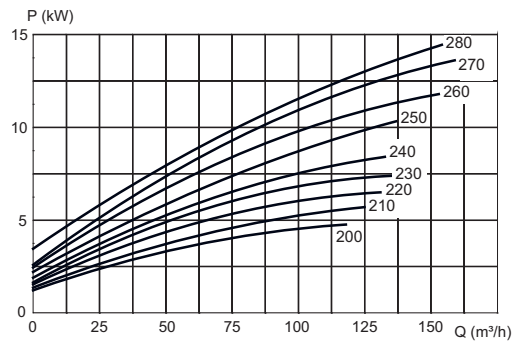
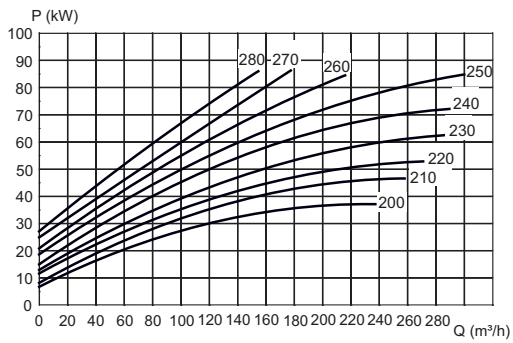
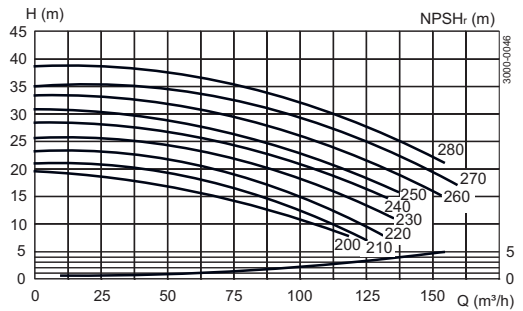
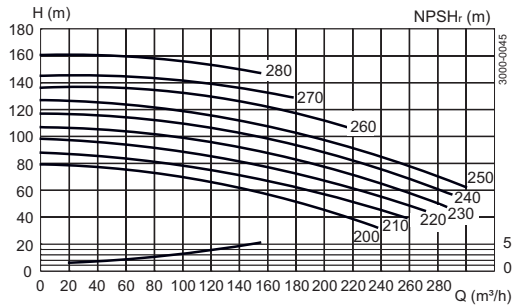
LKH-/ LKHPF-/ LKH Evap-70, 60 Hz

Motor: **3600 rpm. synchron.**
 Tolerance: $\pm 5\%$
 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. synchron.**
 Tolerance: $\pm 5\%$
 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.



Note: If Clear Flow impeller is mounted the performance can be up to 10% lower than on the curves shown.

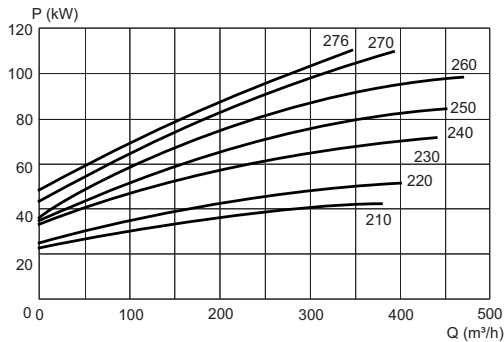
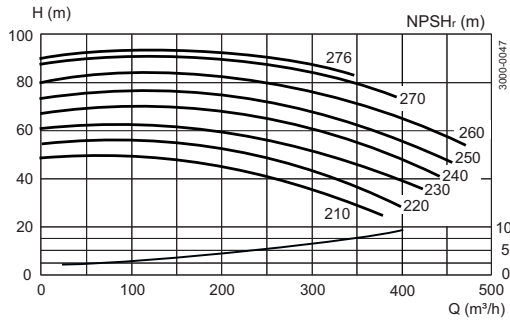
Performance Curves

LKH-85, 50 Hz / 60 Hz

50 Hz
 Motor: **3000 rpm. synchron.**
 Tolerance: $\pm 5\%$.
 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!

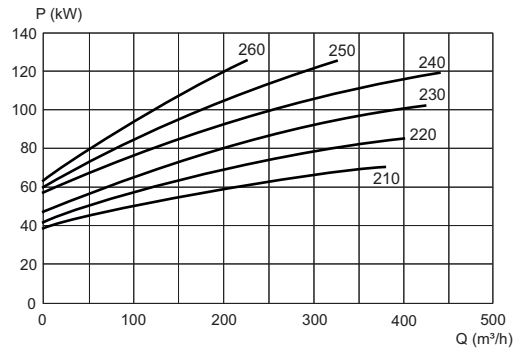
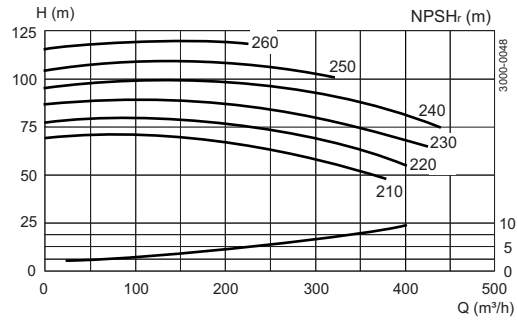
The curves refer to motor: 75 kW, 2970 rpm. asynchron., 50 Hz. For smaller motors, reduce head (H) with: 3%.
 DO NOT FORGET THE SAFETY FACTOR.



60 Hz
 Motor: **3600 rpm. synchron.**
 Tolerance: $\pm 5\%$.
 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. asynchron., 60 Hz. For smaller motors, reduce head (H) with: 3%.
 DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

LKH-90, 50-60 Hz

50 Hz

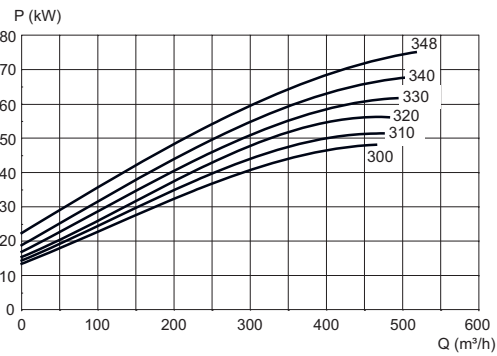
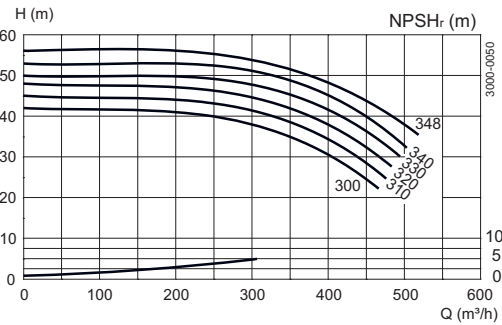
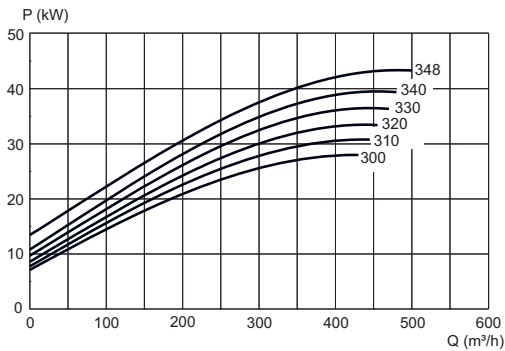
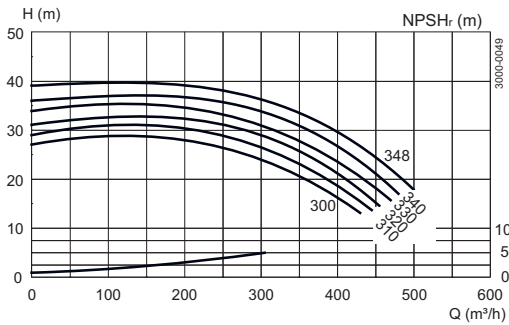
Motor: **1500 rpm. synchr.**
 Tolerance: **±5%.**
 Impeller, Max. dia.: **348 mm**
 Impeller, Min. dia.: **300 mm**
 Pump inlet, Dia.: **154 mm, DN 150**
 Pump outlet, Dia.: **154 mm, DN 150**

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: **1800 rpm. synchr.**
 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.



Performance Curves

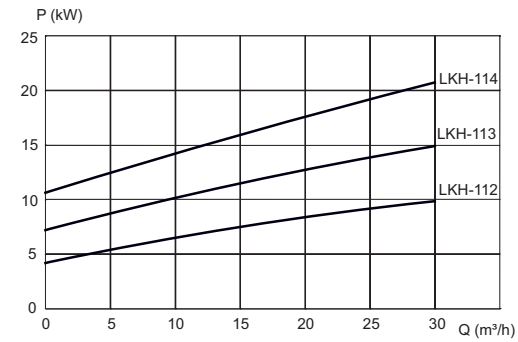
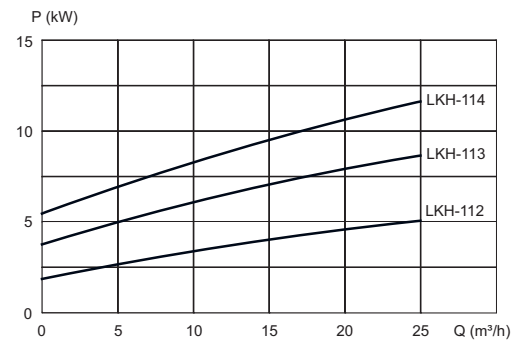
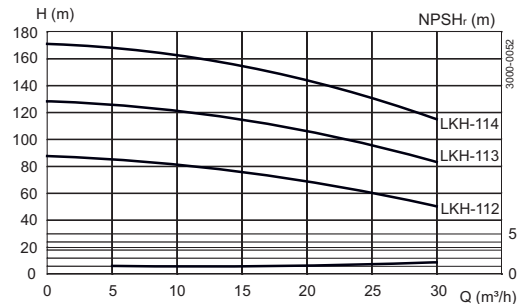
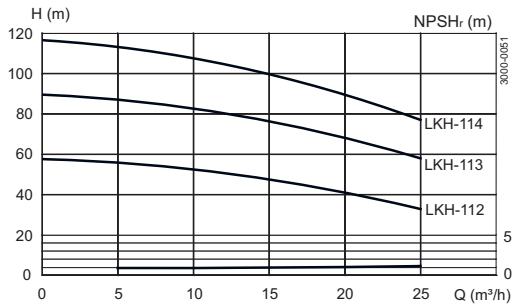
LKH-110 Multi-Stage, 50 Hz/60 Hz

50Hz
3000 rpm. synchr.
 Tolerance: ±5%.
 Impeller,
 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.

60 Hz
3600 rpm. synchr.
 Tolerance: ±5%.
 Impeller,
 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, 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.

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.



Performance Curves

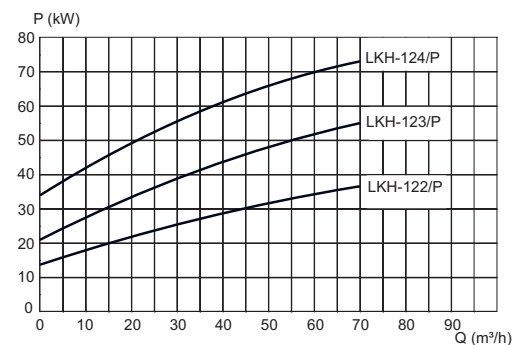
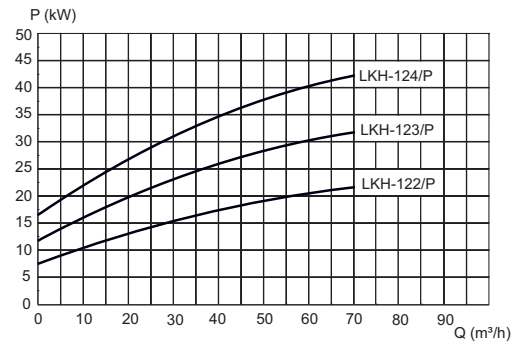
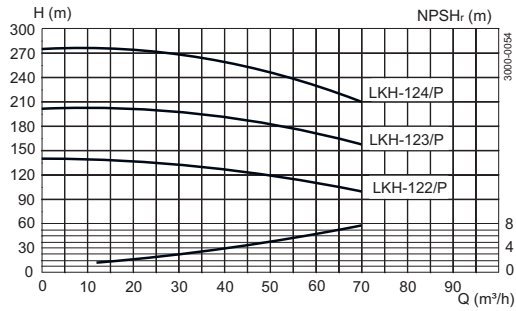
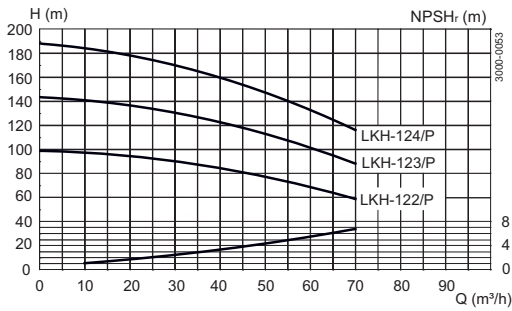
LKH-120/P Multi-Stage, 50/60 Hz

Motor:	3000 rpm. synchron.
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

NOTE! The curves refer to max. motor: LKH-122/P, 22 kW, 2950 rpm. asynchron., 50 Hz LKH-123/P, 37 kW 2940 rpm. asynchron., 50 Hz LKH-124/P, 45 kW 2955 rpm. asynchron., 50 Hz For smaller motors, reduce head (H) by 3% For inlet pressure > 10 bar, reduce head (H) by 5%

Performance data refer to water at 20 °C.

DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

LKHSP -10 Self-priming Centrifugal Pumps, 50 Hz/60 Hz

50 Hz
 Motor: **3000 rpm. synchron.**
 Tolerance: $\pm 5\%$.
 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

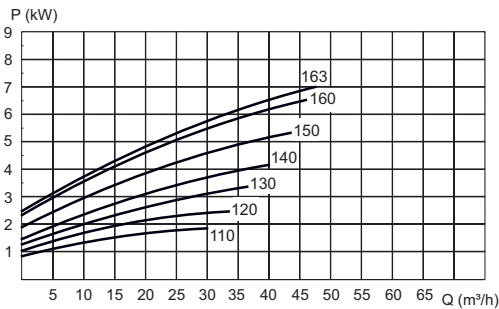
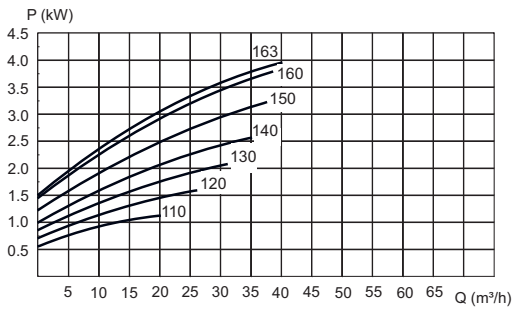
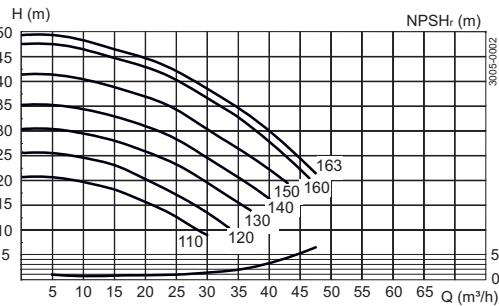
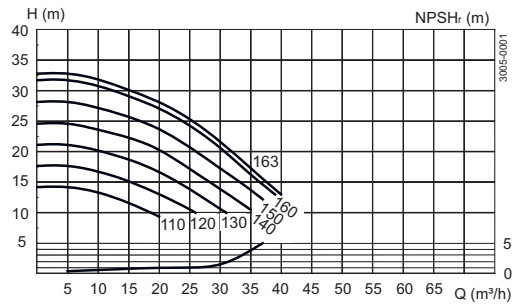
60 Hz
 Motor: **3600 rpm. synchron.**
 Tolerance: $\pm 5\%$.
 Impeller, Max. dia.: 163 mm
 Impeller, Min. dia.: 110 mm
 Pump inlet, Dia.: 63.5 mm, DN 65
 Pump outlet, Dia.: 51 mm, DN 50

Performance data refer to water at 20°C.
 NOTE! The curves refer to motor: 4 kW, 2850 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%.

Performance data refer to water at 20°C.
 NOTE! The curves refer to motor: 8.6 kW, 3450 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR.

DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

LKHSP-20 Self-priming Centrifugal Pumps, 50 Hz/60 Hz

	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

	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.

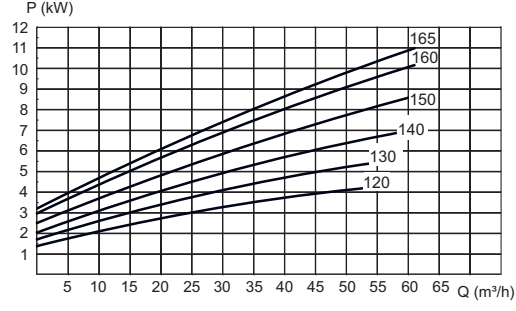
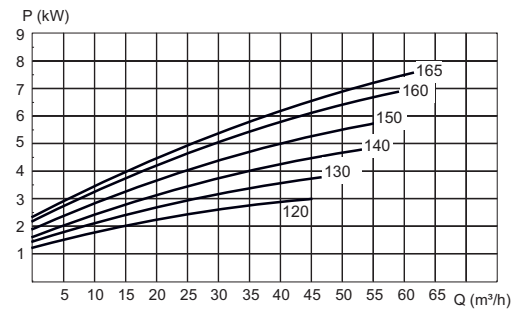
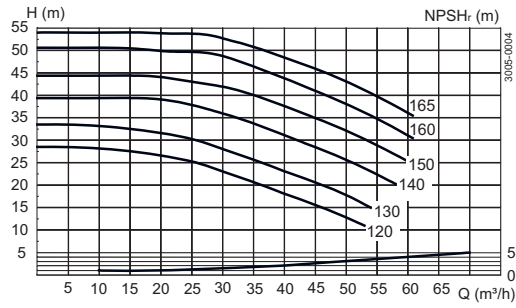
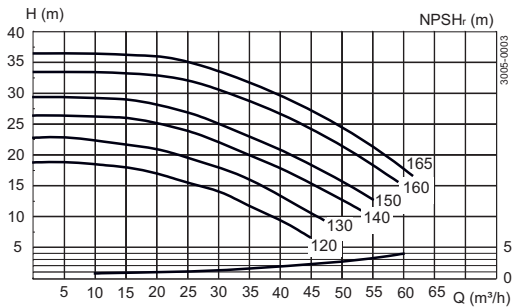
NOTE! The curves refer to motor: 7.5 kW, 2855 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR.

Performance data refer to water at 20°C.

NOTE! The curves refer to motor: 12.5 kW, 3515 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

LKHSP-25 Self-priming Centrifugal Pumps, 50 Hz/60 Hz

	50 Hz
Motor:	3000 rpm. synchr.
Tolerance:	±5%.
Impeller, Max. dia.:	205 mm
Impeller, Min. dia.:	160 mm
Pump inlet, Dia.:	76.1 mm, DN 80
Pump outlet, Dia.:	63.5 mm, DN 65

	60 Hz
Motor:	3600 rpm. synchr.
Tolerance:	±5%.
Impeller, Max. dia.:	205 mm
Impeller, Min. dia.:	160 mm
Pump inlet, Dia.:	76.1 mm, DN 80
Pump outlet, Dia.:	63.5 mm, DN 65

Performance data refer to water at 20°C.

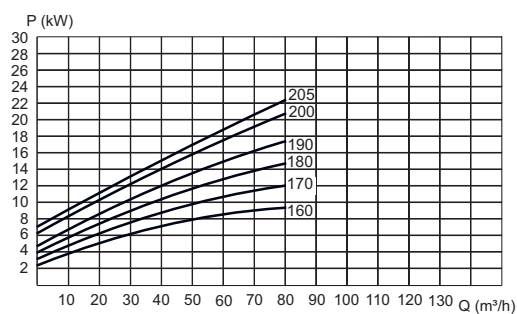
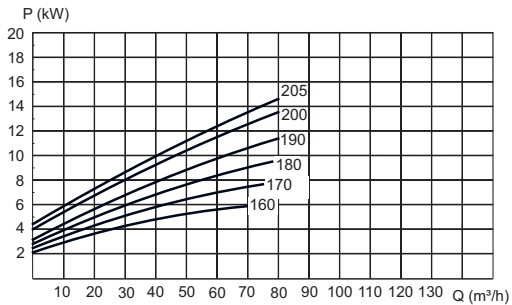
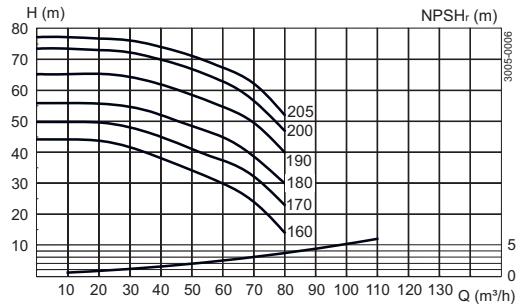
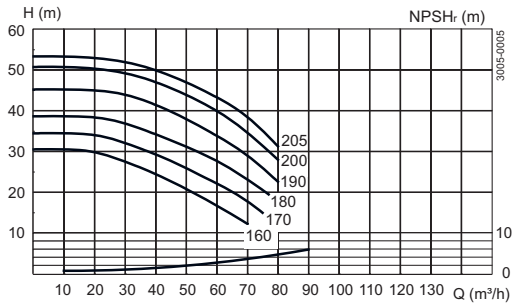
NOTE! The curves refer to motor: 15 kW, 2920 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%.

Performance data refer to water at 20°C.

NOTE! The curves refer to motor: 25 kW, 3530 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.

DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

LKHSP-35 Self-priming Centrifugal Pumps, 50 Hz/60 Hz

	50 Hz
Motor:	3000 rpm. synchron.
Tolerance:	±5%.
Impeller, Max. dia.:	220 mm
Impeller, Min. dia.:	170 mm
Pump inlet, Dia.:	63.5 mm, DD 65
Pump outlet, Dia.:	51 mm, DN 50

	60 Hz
Motor:	3600 rpm. synchron.
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.

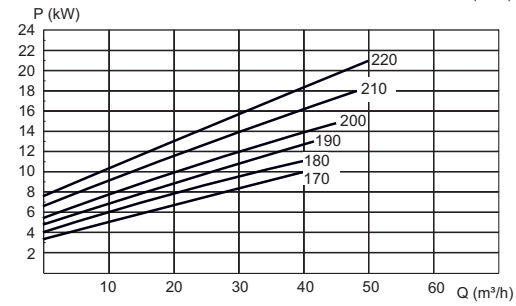
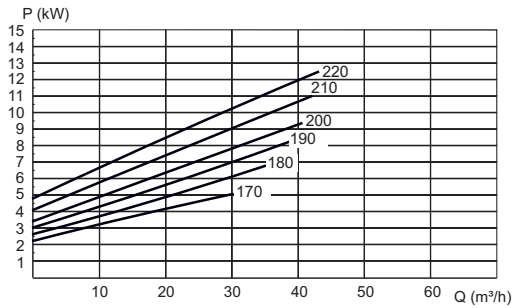
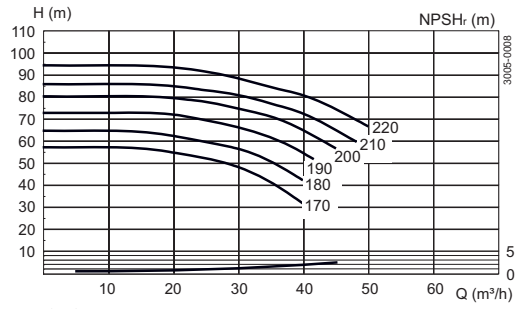
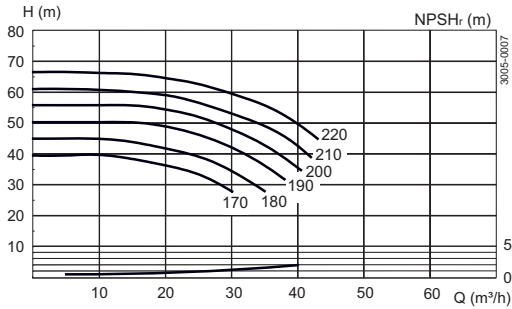
NOTE! The curves refer to motor: 15 kW, 2920 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%.

Performance data refer to water at 20°C.

NOTE! The curves refer to motor: 21 kW, 3510 rpm. asynchr., 60 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.

DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

LKHSP-40 Self-priming Centrifugal Pumps, 50 Hz/60 Hz

	50 Hz
Motor:	3000 rpm. synchr.
Tolerance:	±5%.
Impeller, Max. dia.:	235 mm
Impeller, Min. dia.:	170 mm
Pump inlet, Dia.:	76.1 mm, DN 80
Pump outlet, Dia.:	63.5 mm, DN 65

	60 Hz
Motor:	3600 rpm. synchr.
Tolerance:	±5%.
Impeller, Max. dia.:	235 mm
Impeller, Min. dia.:	170 mm
Pump inlet, Dia.:	76.1 mm, DN 80
Pump outlet, Dia.:	63.5 mm, DN 65

Performance data refer to water at 20°C.

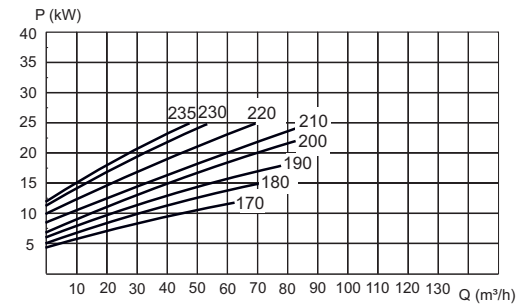
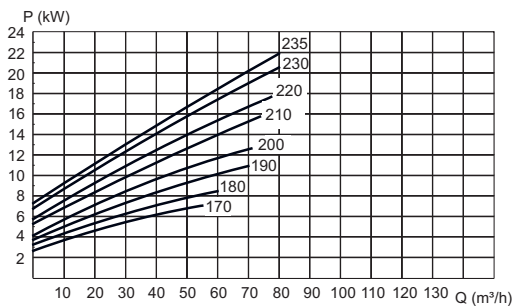
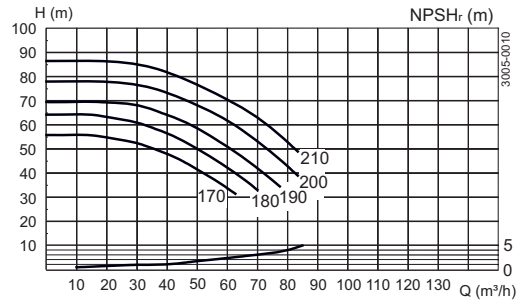
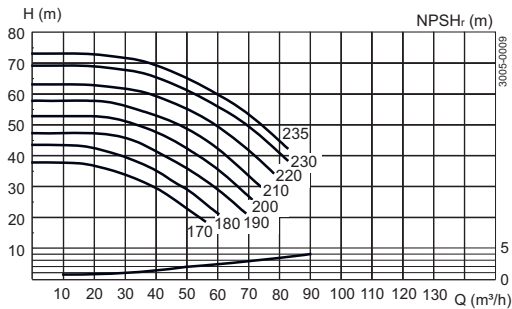
NOTE! The curves refer to max. motor: 22 kW, 2930 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with:
 - 3% for 11 - 18.5 kW.
 - 5% for 7.5 kW.

DO NOT FORGET THE SAFETY FACTOR.

Performance data refer to water at 20°C.

NOTE! The curves refer to max. motor: 25 kW, 3530 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.



Performance Curves

SolidC-1, 50 Hz

Motor: **1500 rpm. synchron.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 160 mm
 Impeller, Min. dia.: 110 mm
 Pump inlet, Dia.: 51 mm, DN 50
 Pump outlet, Dia.: 38 mm, DN 40

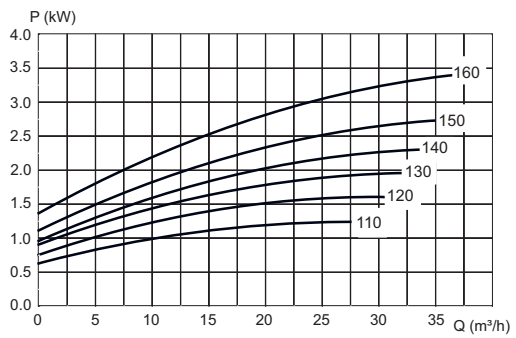
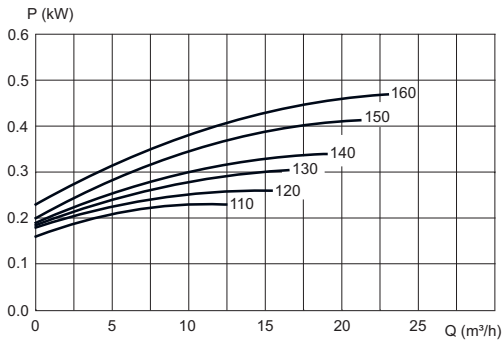
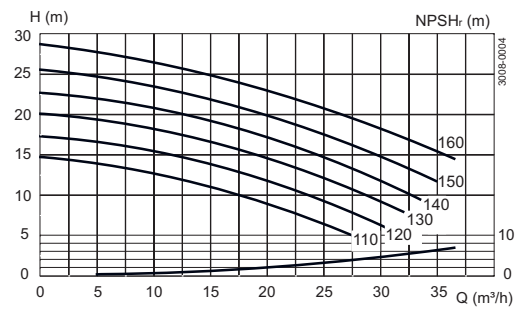
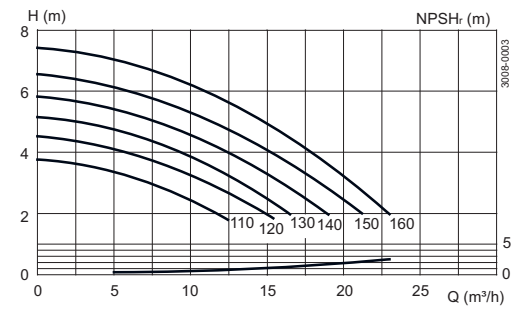
Motor: **3000 rpm. synchron.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 160 mm
 Impeller, Min. dia.: 110 mm
 Pump inlet, Dia.: 51 mm, DN 50
 Pump outlet, Dia.: 38 mm, DN 40

Performance data refer to water at 20 °C.

Performance data refer to water at 20 °C.

Performance data refer to water at 68 °F.
 NOTE! The curves refer to motor: 1.5 kW, 1410 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%.
 DO NOT FORGET THE SAFETY FACTOR.

NOTE! The curves refer to motor: 4 kW, 2890 rpm. asynchr., 50 Hz. For smaller motors, reduce head (H) with: 3%.
 DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

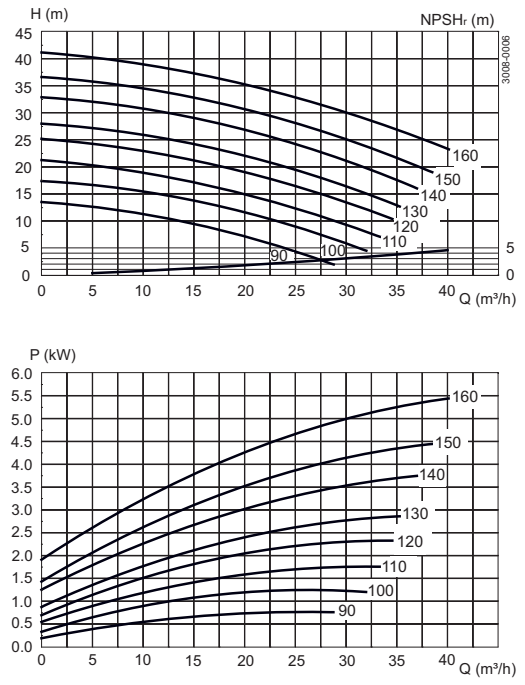
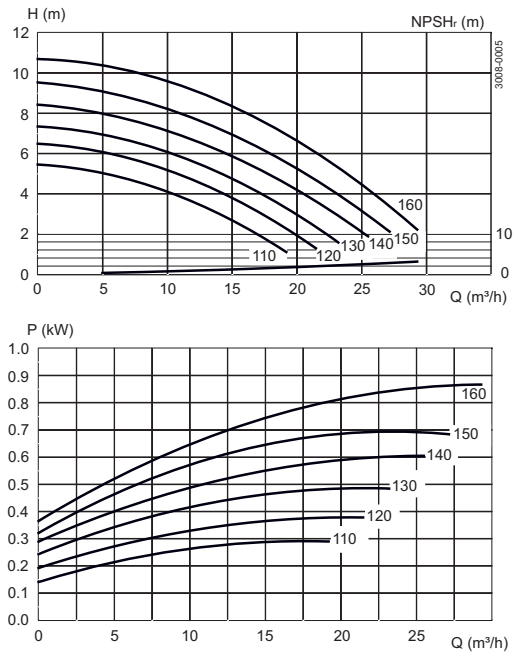
SolidC-1, 60 Hz

Motor: **1800 rpm. synchr.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 160 mm
 Impeller, Min. dia.: 110 mm
 Pump inlet, Dia.: 51 mm, DN 50
 Pump outlet, Dia.: 38 mm, DN 40

Motor: **3600 rpm. synchr.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 160 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 max. motor: 1.8 kW, 1710 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.
 DO NOT FORGET THE SAFETY FACTOR.

Performance data refer to water at 20 °C.
 NOTE! The curves refer to max. motor: 6.6 kW, 3540 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.
 DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

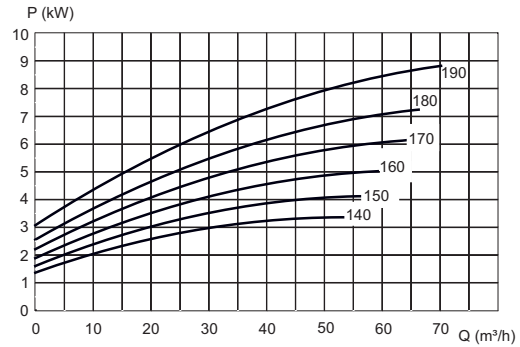
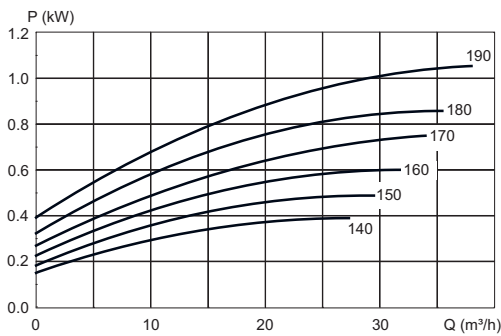
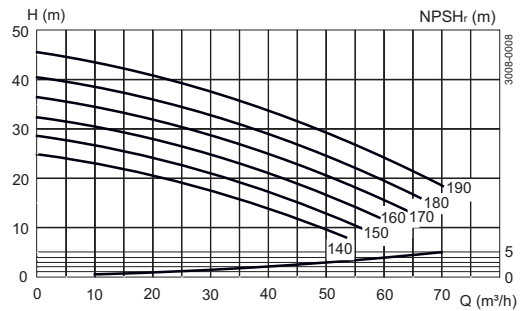
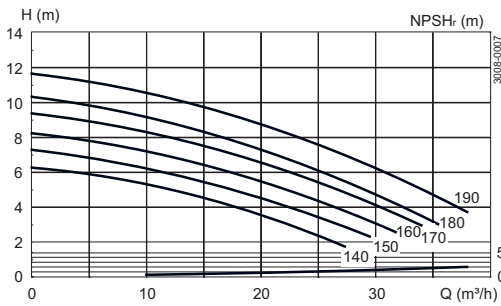
SolidC-2, 50 Hz

Motor: **1500 rpm. synchr.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 190 mm
 Impeller, Min. dia.: 140 mm
 Pump inlet, Dia.: 63.5 mm, DN 65
 Pump outlet, Dia.: 38 mm, DN 40

Performance data refer to water at 20 °C.
 NOTE! The curves refer to motor: 1.5 kW, 1410 rpm. asynchr., 50 Hz.
 For smaller motors, reduce head (H) with: 3%.
 DO NOT FORGET THE SAFETY FACTOR.

Motor: **3000 rpm. synchr.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 190 mm
 Impeller, Min. dia.: 140 mm
 Pump inlet, Dia.: 63.5 mm, DN 65
 Pump outlet, Dia.: 38 mm, DN 40

Performance data refer to water at 20 °C.
 NOTE! The curves refer to motor: 11 kW, 2945 rpm. asynchr., 50 Hz.
 For smaller motors, reduce head (H) with: 3%.
 DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

SolidC-2, 60 Hz

Motor: **1800 rpm. synchr.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 190 mm
 Impeller, Min. dia.: 140 mm
 Pump inlet, Dia.: 63.5 mm, DN 65
 Pump outlet, Dia.: 38 mm, DN 40

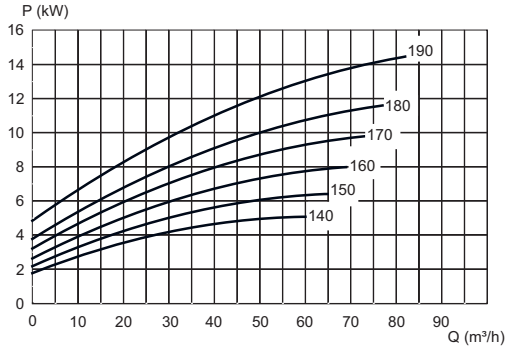
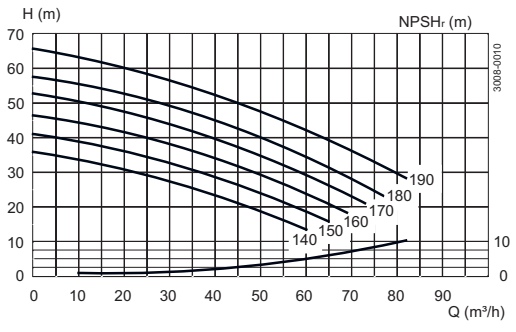
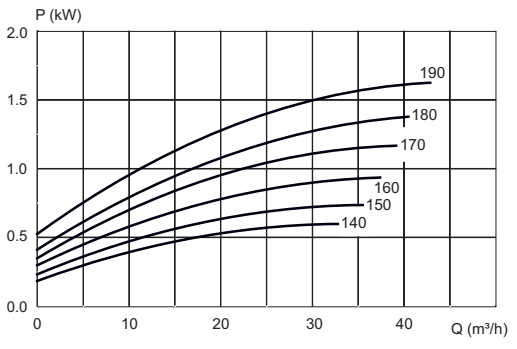
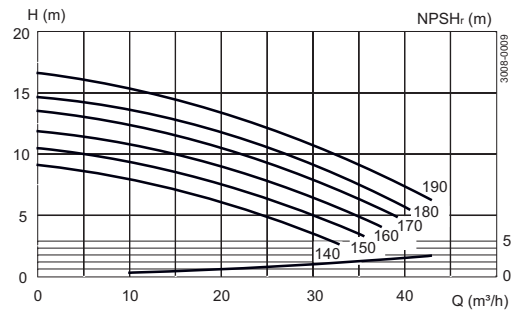
Performance data refer to water at 20 °C.
 NOTE! The curves refer to motor: 2.7 kW, 1710 rpm. asynchr., 60 Hz.
 For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR.

Motor: **3600 rpm. synchr.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 190 mm
 Impeller, Min. dia.: 140 mm
 Pump inlet, Dia.: 63.5 mm, DN 65
 Pump outlet, Dia.: 38 mm, DN 40

Performance data refer to water at 20 °C.
 NOTE!
 The curves refer to motor: 18 kW, 3535 rpm. asynchr., 60 Hz. For smaller motors, reduce head (H) with: 3%.

DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

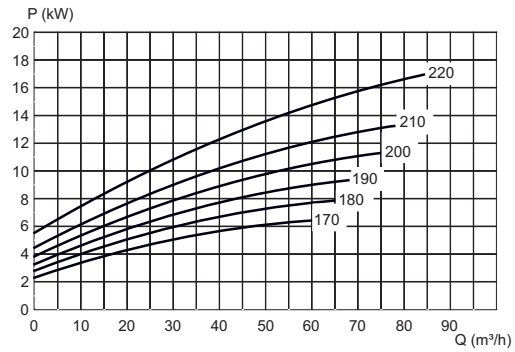
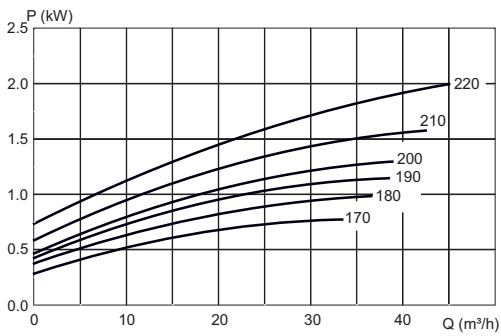
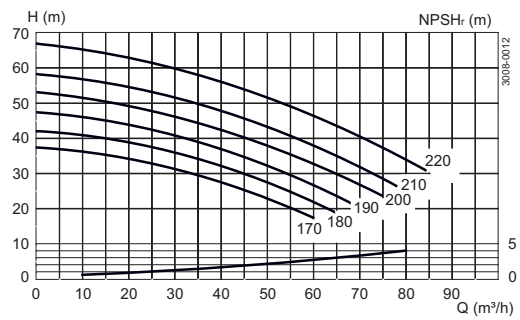
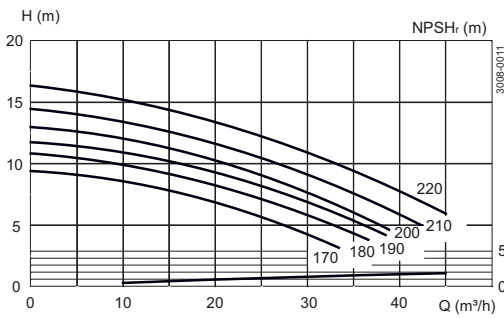
SolidC-3, 50 Hz

Motor: **1500 rpm. synchron.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 220 mm
 Impeller, Min. dia.: 170 mm
 Pump inlet, Dia.: 76 mm, DN 80
 Pump outlet, Dia.: 38 mm, DN 40

Performance data refer to water at 20 °C.
 NOTE! The curves refer to motor: 3 kW, 1420 rpm. asynchron., 50 Hz. For smaller motors, reduce head (H) with: 3%.
 DO NOT FORGET THE SAFETY FACTOR.

Motor: **3000 rpm. synchron.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 220 mm
 Impeller, Min. dia.: 170 mm
 Pump inlet, Dia.: 76 mm, DN 80
 Pump outlet, Dia.: 38 mm, DN 40

Performance data refer to water at 20 °C.
 NOTE! The curves refer to motor: 18.5 kW, 2960 rpm. asynchron., 50 Hz. For smaller motors, reduce head (H) with: 3%.



Performance Curves

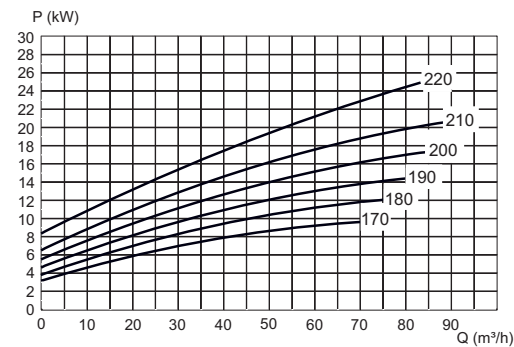
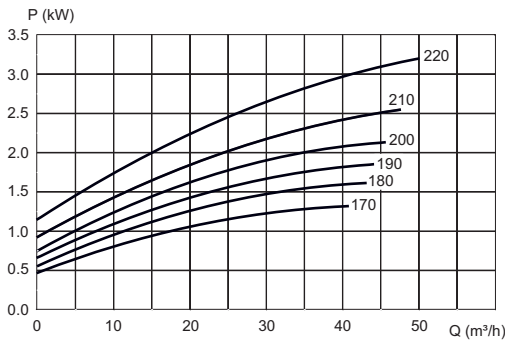
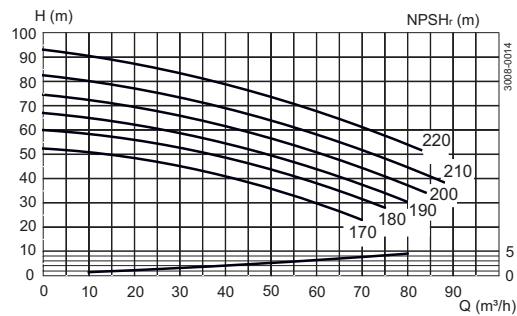
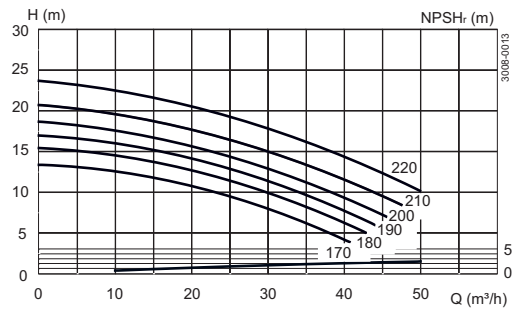
SolidC-3, 60 Hz

Motor: **1800 rpm. synchr.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 220 mm
 Impeller, Min. dia.: 170 mm
 Pump inlet, Dia.: 76 mm, DN 80
 Pump outlet, Dia.: 38 mm, DN 40

Motor: **3600 rpm. synchr.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 220 mm
 Impeller, Min. dia.: 170 mm
 Pump inlet, Dia.: 76 mm, DN 80
 Pump outlet, Dia.: 38 mm, DN 40

Performance data refer to water at 20 °C.
 NOTE! The curves refer to motor: 3.6 kW, 1720 rpm. asynchr., 60 Hz.
 For smaller motors, reduce head (H) with: 3%.
 DO NOT FORGET THE SAFETY FACTOR.

Performance data refer to water at 20 °C.
 NOTE! The curves refer to motor: 25 kW, 3555 rpm. asynchr., 60 Hz.
 For smaller motors, reduce head (H) with: 3%.
 DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

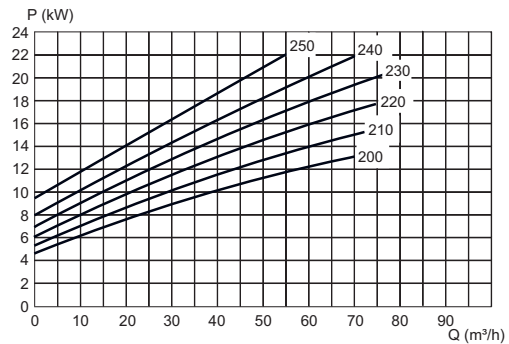
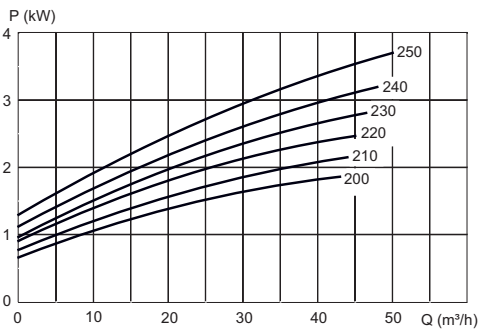
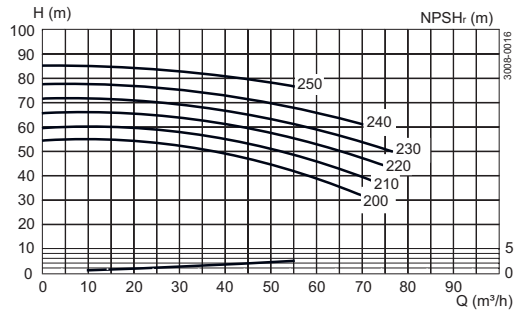
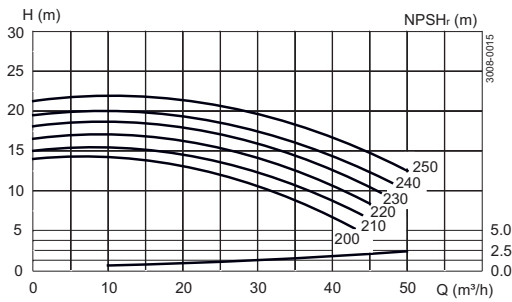
SolidC-4, 50 Hz

Motor: **1500 rpm. synchron.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 250 mm
 Impeller, Min. dia.: 200 mm
 Pump inlet, Dia.: 76 mm, DN 80
 Pump outlet, Dia.: 51 mm, DN 50

Motor: **3000 rpm. synchron.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 250 mm
 Impeller, Min. dia.: 200 mm
 Pump inlet, Dia.: 76 mm, DN 80
 Pump outlet, Dia.: 51 mm, DN 50

Performance data refer to water at 20 °C.
 NOTE! The curves refer to motor: 4 kW, 1455 rpm. asynchron., 50 Hz. For smaller motors, reduce head (H) with: 3%.
 DO NOT FORGET THE SAFETY FACTOR.

Performance data refer to water at 20 °C.
 NOTE! The curves refer to motor: 22 kW, 2955 rpm. asynchron., 50 Hz. For smaller motors, reduce head (H) with: 3%.
 DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

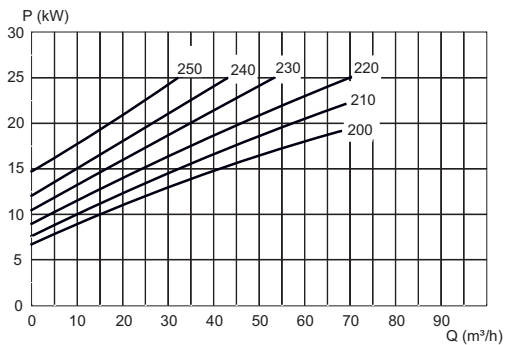
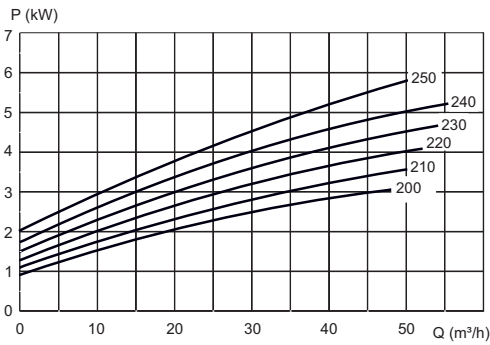
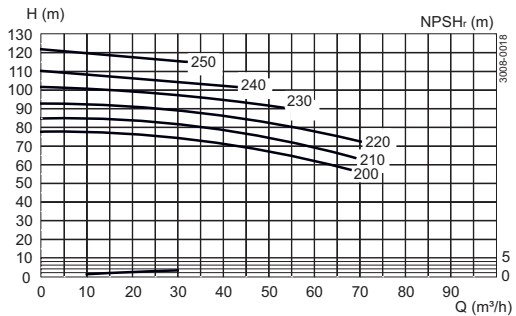
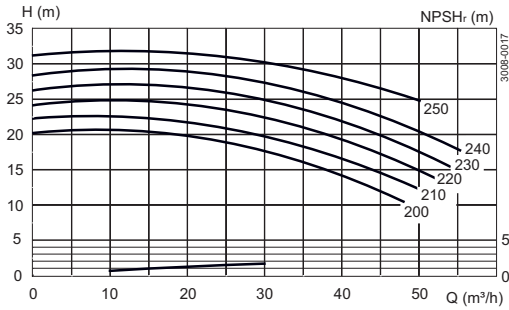
SolidC-4, 60 Hz

Motor: **1800 rpm. synchr.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 250 mm
 Impeller, Min. dia.: 200 mm
 Pump inlet, Dia.: 76 mm, DN 80
 Pump outlet, Dia.: 51 mm, DN 50

Motor: **3600 rpm. synchr.**
 Tolerance: $\pm 8\%$ for Q
 $\pm 6\%$ for H
 Impeller, Max. dia.: 250 mm
 Impeller, Min. dia.: 200 mm
 Pump inlet, Dia.: 76 mm, DN 80
 Pump outlet, Dia.: 51 mm, DN 50

Performance data refer to water at 20 °C.
 NOTE! The curves refer to motor: 6.8 kW, 1770 rpm. asynchr., 60 Hz.
 For smaller motors, reduce head (H) with: 3%.
 DO NOT FORGET THE SAFETY FACTOR.

Performance data refer to water at 20 °C.
 NOTE! The curves refer to motor: 25 kW, 3555 rpm. asynchr., 60 Hz. For
 smaller motors, reduce head (H) with: 3%.
 DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

FM-0S, 50 Hz/60 Hz

Motor:	50 Hz
Tolerance:	3000 rpm. synchron.
	±8% for Q.
	±6% for H.
Impeller, Max. dia.:	115 mm
Impeller, Min. dia.:	75 mm
Pump inlet, Dia.:	51 mm (2").
Pump outlet, Dia.:	51 mm (2").

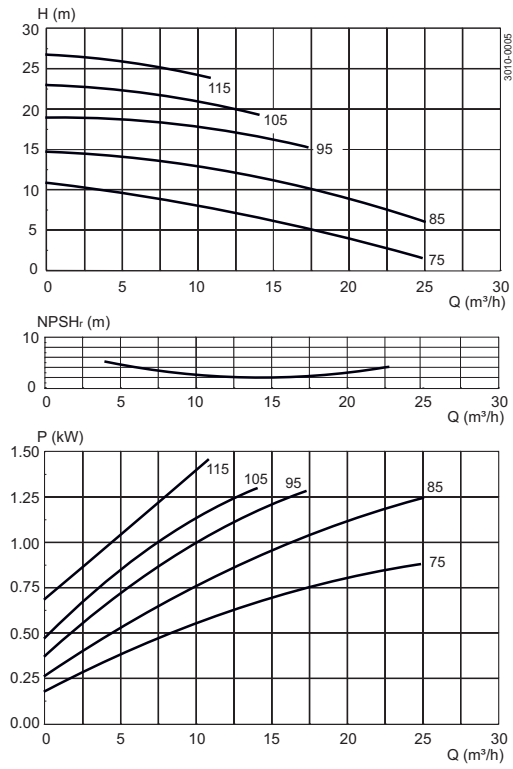
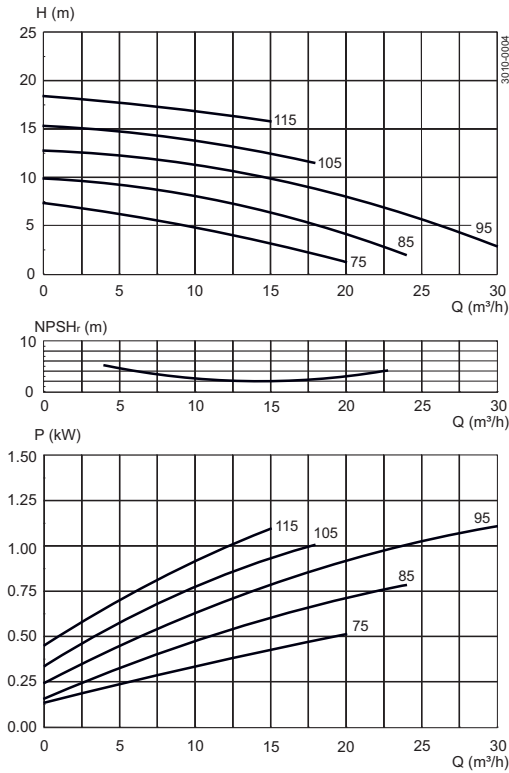
Motor:	60 Hz
Tolerance:	3600 rpm. synchron.
	±8% for Q.
	±6% for H.
Impeller, Max. dia.:	115 mm
Impeller, Min. dia.:	75 mm
Pump inlet, Dia.:	51 mm (2").
Pump outlet, Dia.:	51 mm (2").

Performance data refer to water at 20 °C.

NOTE! The curves refer to motor: 1.1 kW, 2850 rpm. asynchr., 50 Hz.
DO NOT FORGET THE SAFETY FACTOR.

Performance data refer to water at 20 °C.

NOTE! The curves refer to motor: 1.3 kW, 3440 rpm. asynchr., 60 Hz.
DO NOT FORGET THE SAFETY FACTOR.



Performance Curves

GM and GM-A, 50 Hz/60 Hz

50 Hz
 Motor: **3000 rpm. synchron.**
 Tolerance: $\pm 8\%$ for Q.
 $\pm 6\%$ for H.
 Impeller, Max. dia.: 115 mm
 Impeller, Min. dia.: 65 mm
 Pump inlet, Dia.: 38 mm (1½").
 Pump outlet, Dia.: 38 mm (1½").

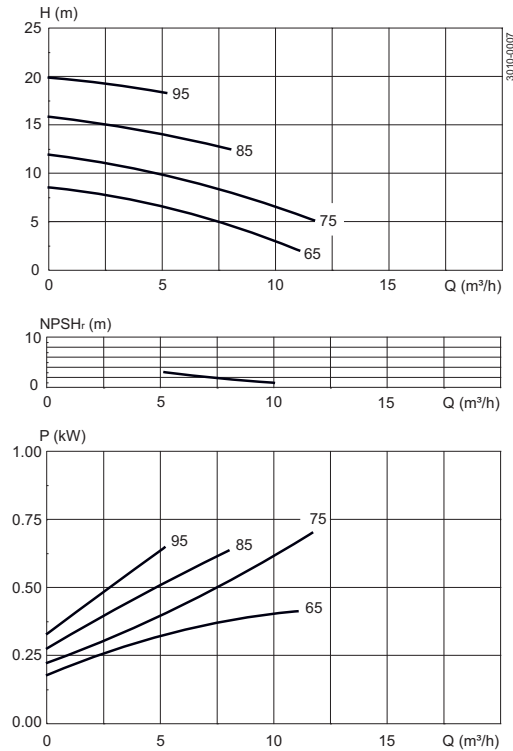
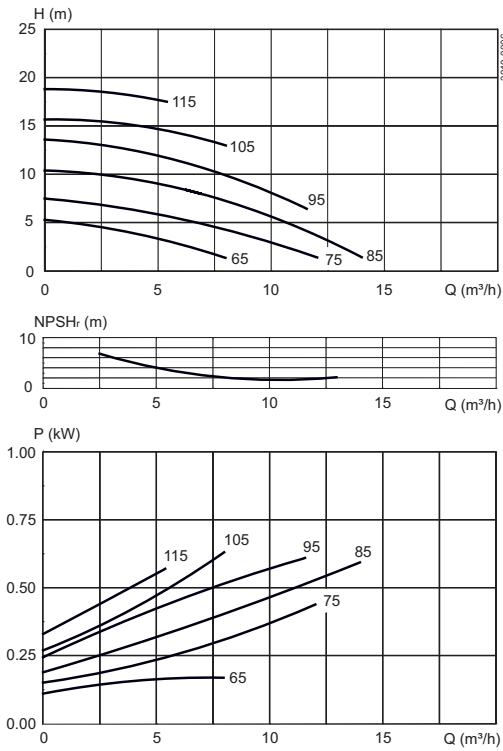
60 Hz
 Motor: **3600 rpm. synchron.**
 Tolerance: $\pm 8\%$ for Q.
 $\pm 6\%$ for H.
 Impeller, Max. dia.: 95 mm
 Impeller, Min. dia.: 65 mm
 Pump inlet, Dia.: 38mm (1½").
 Pump outlet, Dia.: 38 mm (1½").

Performance data refer to water at 20 °C.

Performance data refer to water at 20 °C.

NOTE! The curves refer to motor: 0.55 kW, 2820 rpm. asynchr., 50 Hz.
 DO NOT FORGET THE SAFETY FACTOR.

NOTE! The curves refer to motor: 0.65 kW, 3410 rpm. asynchr., 60 Hz.
 DO NOT FORGET THE SAFETY FACTOR.



Sanitary version with multi voltage motor, complete unions, legs and shroud
Please state if 60 Hz
Product code LKH 5-70: 5301
Product code LKH 85: 5342
Product code LKH 90: 5348

Seals: EPDM
Single shaft seal (SSS) SIC/Carbon

SMS Item No.	DIN Item No.	ISO (IDF) Item No.	BS Item No.	Impeller Dia. (mm)	Power	Power	RCPL EUR
					50 Hz. (kW)	60 Hz. (kW)	
LKH-5							
9612-6022-05	9612-6022-13	9612-6022-21	9612-6022-29	110	0.75	0.90	
9612-6022-07	9612-6022-15	9612-6022-23	9612-6022-31	120	1.1	1.25	
9612-6022-01	9612-6022-09	9612-6022-17	9612-6022-25	132	1.1	1.25	
9612-6022-03	9612-6022-11	9612-6022-19	9612-6022-27	132	1.5	1.80	
LKH-10							
9612-1381-01	9612-1381-09	9612-1381-17	9612-1381-25	140	1.5	1.80	
9612-1381-03	9612-1381-11	9612-1381-19	9612-1381-27	140	2.2	2.50	
9612-1381-05	9612-1381-13	9612-1381-21	9612-1381-29	163	3.0	3.00	
9612-1381-07	9612-1381-15	9612-1381-23	9612-1381-31	163	4.0	4.00	
LKH-15							
9612-4658-01	9612-4658-09	9612-4658-17	9612-4658-25	130	3.0	3.00	
9612-4658-03	9612-4658-11	9612-4658-19	9612-4658-27	130	4.0	4.00	
9612-4658-05	9612-4658-13	9612-4658-21	9612-4658-29	138	4.0	4.00	
9612-4658-07	9612-4658-15	9612-4658-23	9612-4658-31	138	5.5	5.50	
LKH-20							
9612-1381-33	9612-1381-45	9612-1381-57	9612-1381-69	140	1.5	1.80	
9612-1381-35	9612-1381-47	9612-1381-59	9612-1381-71	140	2.2	2.50	
9612-1381-37	9612-1381-49	9612-1381-61	9612-1381-73	140	3.0	3.00	
9612-1381-39	9612-1381-51	9612-1381-63	9612-1381-75	165	4.0	4.00	
9612-1381-41	9612-1381-53	9612-1381-65	9612-1381-77	165	5.5	5.50	
9612-1381-43	9612-1381-55	9612-1381-67	9612-1381-79	165	7.5	7.50	
LKH-25							
9612-4658-33	9612-4658-41	9612-4658-49	9612-4658-57	190	7.5	7.50	
9612-4658-35	9612-4658-43	9612-4658-51	9612-4658-59	190	11.0	13.00	
9612-4658-37	9612-4658-45	9612-4658-53	9612-4658-61	205	11.0	13.00	
9612-4658-39	9612-4658-47	9612-4658-55	9612-4658-63	205	15.0	16.50	
LKH-35							
9612-4658-65	9612-4658-73	9612-4658-81	9612-4658-89	200	7.5	7.50	
9612-4658-67	9612-4658-75	9612-4658-83	9612-4658-91	200	11.0	13.00	
9612-4658-69	9612-4658-77	9612-4658-85	9612-4658-93	220	11.0	13.00	
9612-4658-71	9612-4658-79	9612-4658-87	9612-4658-95	220	15.0	16.50	
LKH-40							
9612-1381-81	9612-1381-91	9612-1382-02	9612-1382-12	210	7.5	7.50	
9612-1381-83	9612-1381-93	9612-1382-04	9612-1382-14	210	11.0	13.00	
9612-1381-85	9612-1381-95	9612-1382-06	9612-1382-16	235	15.0	16.50	
9612-1381-87	9612-1381-97	9612-1382-08	9612-1382-18	235	18.5	21.00	
9612-1381-89	9612-1381-99	9612-1382-10	9612-1382-20	235	22.0	25.0	
LKH-45							
9612-4659-01	9612-4659-09	9612-4659-17	9612-4659-25	160	5.5	5.50	
9612-4659-03	9612-4659-11	9612-4659-19	9612-4659-27	160	7.5	7.50	
9612-4659-05	9612-4659-13	9612-4659-21	9612-4659-29	178	11.0	13.00	
9612-4659-07	9612-4659-15	9612-4659-23	9612-4659-31	178	15.0	16.50	
LKH-50							
9612-1382-22	9612-1382-30	9612-1382-38	9612-1382-46	160	7.5	7.50	
9612-1382-24	9612-1382-32	9612-1382-40	9612-1382-48	205	11.0	13.00	
9612-1382-26	9612-1382-34	9612-1382-42	9612-1382-50	205	15.0	16.50	
9612-1382-28	9612-1382-36	9612-1382-44	9612-1382-52	205	18.5	21.00	
9612-1382-94	9612-1382-96	9612-1382-98	9612-3555-01	205	22.0	27.00	
LKH-60							
9612-3555-03	9612-3555-11	9612-3555-19	9612-3555-27	180	15.0	16.50	
9612-3555-05	9612-3555-13	9612-3555-21	9612-3555-29	210	18.5	21.00	
9612-3555-07	9612-3555-15	9612-3555-23	9612-3555-31	210	22.0	27.00	
9612-3555-09	9612-3555-17	9612-3555-25	9612-3555-33	210	30.0	34.00	

Options - please see later this chapter.

For further information - please see PD-sheet.

Centrifugal Pumps

LKH

Sanitary version with multi voltage motor, complete unions, legs and shroud
 Please state if 60 Hz
 Product code LKH 5-70: 5301
 Product code LKH 85: 5342
 Product code LKH 90: 5348

Seals: EPDM
 Single shaft seal (SSS) SiC/Carbon

3.1

SMS Item No.	DIN Item No.	ISO (IDF) Item No.	BS Item No.	Impeller Dia. (mm)	Power	Power	RCPL EUR
					50 Hz. (kW)	60 Hz. (kW)	
LKH-70							
9612-5155-01	9612-5155-31	9612-5155-11	9612-5155-21	230	30.0	34.00	
9612-5155-03	9612-5155-33	9612-5155-13	9612-5155-23	230	37.0	41.00	
9612-5155-05	9612-5155-35	9612-5155-15	9612-5155-25	280	45.0	50.00	
9612-5155-07	9612-5155-37	9612-5155-17	9612-5155-27	280	55.0	61.00	
9612-5155-09	9612-5155-39	9612-5155-19	9612-5155-29	280	75.0	80.00	
			Clamp Item No.	Impeller Dia. (mm)	Power 50 Hz. (kW)		RCPL EUR
LKH-85							
			9613-2645-16	210	30.0		On request On request
			9613-2645-15	210	37.0		
			9613-2639-95	210	45.0		
			9613-2639-96	210	55.0		
			9613-2639-97	240	75.0		
			9613-2639-98	250	90.0		
			9613-2639-99	276	110.0		
LKH-90							
			9613-4045-01	330	22.0		
			9613-4045-02	330	30.0		
			9613-4045-03	330	37.0		
			9613-4045-04	348	45.0		
			9613-4045-05	348	55.0		
			9613-4045-06	348	75.0		

Options - please see later this chapter.

For further information - please see PD-sheet.

LKH - Options

Centrifugal Pumps

3.1

Options and RCPL Price configurator
Product code: 5301, 5342, 5348

Connections: SMS-BS-ISO(IDF)-DIN (LKH-80 and -90 Clamp only)
Seals: EPDM (Ethylene Propylene)
Single shaft seal (SSS) C/SIC
Motors according to IEC

RCPL EUR												
Pump	0.75 kW	1.1 kW	1.5 kW	2.2 kW								
LKH-5												
Pump	1.5 kW	2.2 kW	3 kW	4 kW	5.5 kW	7.5 kW	11 kW	15 kW	18.5 kW	22 kW	30 kW	37 kW
LKH-10												
LKH-15												
LKH-20												
LKH-25												
LKH-35												
LKH-40												
LKH-45												
LKH-50												
LKH-60												
Pump	5.5 kW	7.5 kW	11 kW	15 kW	18.5 kW	22 kW	30 kW	37 kW	45 kW	55 kW	75 kW	
LKH-70												
LKH-85												
LKH-90												

Pump size	Motor size [kW]	RCPL EUR	Options
Seals			
LKH-5 - 60			Flushed shaft seal (FSS) C/SIC. Double mechanical seal (DMS) C/SIC. Shaft seal of SIC/SIC. Seals: NBR Seals: FPM Seals: FEP
LKH-70 to 90			Flushed shaft seal (FSS) C/SIC. Double mechanical seal (DMS) C/SIC. Shaft seal of SIC/SIC. Seals: NBR Seals: FPM Seals: FEP
Special connections			
LKH-5 - 35			Sanitary flange connections. Industrial flange DIN 2642/BS 4505-PN 10*. Aseptic DIN Union 11864-1 Form A.
LKH-40 to 90			Sanitary flange connections. Industrial flange DIN 2642/BS 4505-PN 10*. Aseptic DIN Union 11864-1 Form A.
Impeller/Inlet and Outlet			
LKH-5 - 60 LKH-5 to 90 LKH-5 - 80 LKH-10 - 50*			Impeller screw. Reduced impeller. Change of Inlet or Outlet dimension. Inducer.
* Inducer not available for LKH-15			
Surface roughness, product wetted parts			
LKH-5 to 90			Ra 0.8 µm (3A surface incl. marking).
Drain			
LKH-5 to 90			½ inch TC-clamped.

Options and RCPL Price configurator
 Product code: 5301, 5342, 5348

Connections: SMS-BS-ISO(IDF)-DIN
 (LKH-80 and -90 Clamp only)
 Seals: EPDM (Ethylene Propylene)
 Single shaft seal (SSS) C/SIC
 Motors according to IEC

Item No.	Motor size [kW]	RCPL EUR	Options
			Motor
	all 0.75 -4 5.5 -18,5 22		Other voltage or frequency or 1500/1750 rpm. Termo Sensor/Bimetals or Termistor.
			Shroud/Legs
	0.75 -3 4-7.5 11-22 30- 75 75-110		Pump without shroud.
	0.75 -7.5 11 -22 30 -45 55-110		Pump without legs.
	0.75 -7.5 11 -22		Shroud for EExD.

RCPL Price configurator
Product code: 5301

Connections: SMS-BS-ISO(IDF)-DIN
Seals: EPDM (Ethylene Propylene)
Double mechanical seal (DMS) C/SIC.
Motor: EXd IIB T4 w. special shroud

RCPL EUR										
Pump	1.5 kW	2.2 kW	3 kW	4 kW	5.5 kW	7.5 kW	11 kW	15 kW	18.5 kW	22 kW
LKHex-10										
LKHex-15										
LKHex-20										
LKHex-25										
LKHex-35										
LKHex-40										
LKHex-45										
LKHex-50										
LKHex-60										

Pump size	Motor size [kW]	RCPL EUR	Option
Seals			
LKHex-5 - 60			Shaft seal of SIC/SIC. Seals: NBR Seals: FPM Seals: FEP
Special connections			
LKHex-10 - 35			Sanitary flange connections. Industrial flange DIN 2642/BS 4505-PN 10*. Aseptic DIN Union 11864-1 Form A.
LKHex-40 - 60			Sanitary flange connections. Industrial flange DIN 2642/BS 4505-PN 10*. Aseptic DIN Union 11864-1 Form A.
Impeller/Inlet and Outlet			
LKHex-10 - 60			Impeller screw.
LKHex-10 - 60			Reduced impeller.
Surface roughness, product wetted parts			
LKHex-10 - 60			Ra 0.8 my wetted parts / OD.
Item No.	Motor size [kW]	RCPL EUR	Option
Motor			
			EXd (e) IIB T4. EXe II T3.
Shroud/Legs			
	1.5 - 7.5 11 - 22		Pump without special shroud.
	1.5 - 7.5 11 - 22		Pump without legs.

Sanitary version with multi voltage motor, complete
 unions, legs and shroud
 Please state if 60 Hz
 Product code: 5302

Seals: EPDM (Ethylene Propylene)
 Single shaft seal (SSS) SiC/Carbon

SMS Item No.	DIN Item No.	ISO (IDF) Item No.	BS Item No.	Impeller Dia. (mm)	Power	Power	RCPL EUR
					50 Hz. (kW)	60 Hz. (kW)	
LKH-112							
9612-3887-01	9612-3887-09	9612-3887-17	9612-3887-25	2 x 163	2.2		
9612-3887-03	9612-3887-11	9612-3887-19	9612-3887-27	2 x 163	3.0		
9612-3887-05	9612-3887-13	9612-3887-21	9612-3887-29	2 x 163	4.0	4.0	
9612-3887-07	9612-3887-15	9612-3887-23	9612-3887-31	2 x 163	5.5	5.5	
LKH-113							
9612-3887-33	9612-3887-41	9612-3887-49	9612-3887-58	3 x 163	4.0	4.0	
9612-3887-35	9612-3887-43	9612-3887-51	9612-3887-60	3 x 163	5.5	5.5	
9612-3887-37	9612-3887-45	9612-3887-53	9612-3887-62	3 x 163	7.5	7.5	
9612-3887-39	9612-3887-47	9612-3887-56	9612-3887-64	3 x 163	11.0	13.0	
LKH-114							
9612-3887-68	9612-3887-76	9612-3887-84	9612-3887-92	4 x 163	7.5	7.5	
9612-3887-70	9612-3887-78	9612-3887-86	9612-3887-94	4 x 163	11.0	13.0	
9612-3887-72	9612-3887-80	9612-3887-88	9612-3887-96	4 x 163	15.0	16.5	

Options - please see later this chapter. For further information - please see PD-sheet.

NOTE! Motor sizes 2.2-22 kW for system pressure 0-10 bar. (For system pressure 10-40 bar, please see options - special motor required).

LKH-110/P and LKH-120/P Multi-Stage

Centrifugal Pumps

3.1

Sanitary version with multi voltage motor, complete unions, legs and shroud
Please state if 60 Hz
Product code: 5302

Seals: EPDM (Ethylene Propylene)
Single shaft seal (SSS) SIC/SIC

Heavy Duty Clamp Item No.	Impeller Dia. (mm)	Power	Power	RCPL EUR
		50 Hz. (kW)	60 Hz. (kW)	
LKH-112/P				
9613-2223-81	2 x 163	2.2	4.0	
9613-2223-82	2 x 163	3.0	5.5	
LKH-113/P				
9613-2223-83	3 x 163	5.5	5.5	
9613-2223-84	3 x 163	7.5	7.5	
9613-2223-85	3 x 163	11.0	13.0	
LKH-114/P				
9613-2223-86	4 x 163	7.5	7.5	
9613-2223-87	4 x 163	11.0	13.0	
9613-2223-88	4 x 163	15.0	16.5	
LKH-122/P				
9612-6351-09	2x206	30.0	34.0	
9612-6351-11	2x206	37.0	41.0	
9612-6351-13	2x206	45.0	50.0	
LKH-123/P				
9612-6351-19	3 x 206	30.0	34.0	
9612-6351-21	3 x 206	37.0	41.0	
9612-6351-23	3 x 206	45.0	50.0	
9612-6351-25	3 x 206	55.0	61.0	
9612-6351-27	3 x 206	75.0	80.0	
LKH-124/P				
9612-6351-30	4 x 206	30.0	34.0	
9612-6351-32	4 x 206	37.0	41.0	
9612-6351-34	4 x 206	45.0	50.0	
9612-6351-36	4 x 206	55.0	61.0	
9612-6351-38	4 x 206	75.0	80.0	

Options - please see later this chapter.

NOTE! LKH-110/P and LKH-120P for high system pressure up to 43 bar (623.5 psi).

Special motor with fixed angular contact. Double ball bearings in the drive end.

For further information - please see PD-sheet.

The multi-stage centrifugal pumps not mentioned in the code number sheets, should be ordered as below:
Product code: 5302

Pump size	Option - Seals	RCPL EUR
All sizes	Flushed shaft seal (FSS) Shaft seal of SIC/SIC. Seals: NBR Seals: FPM Reduced impeller size	
Pump size	Option - Surface roughness, product wetted parts	
LKH-112	Ra 0.8 µm wetted part	*
LKH-113	Ra 0.8 µm wetted part	*
LKH-114	Ra 0.8 µm wetted part	*
LKH-122/P	Ra 0.8 µm wetted part	*
LKH-123/P	Ra 0.8 µm wetted part	*
LKH-124/P	Ra 0.8 µm wetted part	*
Motor size [kW]	Option - Motor	
2.2 - 4.0 5.5 - 18.5 22.0 30.0 - 75.0	Thermo sensor/bimetals or termistor	
2.2 - 3.0 4.0 - 7.5 11.0 - 22.0 30 - 75	Pump without shroud.	
2.2 - 7.5 11.0 - 22.0 30 - 45 65 - 75	Pump without legs.	

* = On request

Sanitary version with multi voltage motor, complete unions, legs and shroud
Please state if 60 Hz
Product code: 5357

Seals: EPDM (Ethylene Propylene)
Single shaft seal (SSS) SIC/SIC

Heavy Duty Clamp Item No.	Impeller Dia. (mm)	Power	Power	RCPL EUR
		50 Hz. (kW)	60 Hz. (kW)	
LKHPF-10				
9613277417	140	2.2	2.5	
9613277418	163	4.0	4.0	
LKHPF-20				
9613277419	140	4.0	4.0	
9613277420	165	7.5	7.5	
LKHPF-25				
9613277421	190	7.5	7.5	
9613277422	205	11.0	13.0	
9613277423	205	15.0	16.5	
LKHPF-35				
9613277424	200	7.5	7.5	
9613277425	220	11.0	13.0	
9613277426	220	15.0	16.5	
LKHPF-40				
9613277427	210	11.0	13.0	
9613277428	235	15.0	16.5	
9613277429	235	18.5	21.0	
9613277430	235	22.0	25.0	
LKHPF-45				
9613277431	160	7.5	7.5	
9613277432	178	11.0	13.0	
9613277433	178	15.0	16.5	
LKHPF-50				
9613277434	205	11.0	13.0	
9613277435	205	15.0	16.5	
9613277436	205	18.5	21.0	
9613277437	205	22.0	27.0	
LKHPF-60				
9613277439	180	15.0	16.5	
9613277440	210	18.5	21.0	
9613277441	210	22.0	27.0	
9613277442	210	30.0	34.0	
9613277443	250	22	27.0	
9613277445	280	37	41.0	
9613277444	280	45	50.0	
9613277446	280	55	61.0	
9613277447	280	75	80.0	

The centrifugal pumps not mentioned in the code number sheets, should be ordered as below:
 Product code: 5357

Please specify: Pump type, impeller size, connection, motor size, voltage and frequency, shaft seal, rubber grade and pump version.		
Seals/Impeller		
		Flushed shaft seal (FSS) Seals: NBR Seals: FPM Reduced impeller. Impeller screw.
Motor/Shroud/Legs		
		Motor for other voltage and/or frequency. Motor with increased safety/explosion proof motor. Pump without shroud and legs, 1.5-3.0 kW. Pump without shroud and legs, 4.0-7.5 kW. Pump without shroud and legs, 11-30 kW. Pump without shroud and legs, 37-45 kW. Pump without shroud and legs, 55-75 kW.
Surface finish, Product wetted parts: Ra ≤ 0.8 μm		
		LKHPF-10 to 70

NOTE! Other options on request.

LKHSP Self-Priming

Centrifugal Pumps

3.1

The self-priming centrifugal pumps should be ordered as below:
 Please state if 60 Hz
 Product code: 5307

Inlet and Outlet Connections: SMS
 Internal Connections: Clamp
 Seals: EPDM (Ethylene Propylene)

SMS Item No.	DIN Item No.	Impeller Dia. (mm)	Power	Power	RCPL EUR
			50 Hz. (kW)	60 Hz. (kW)	
LKHSP-10					
9612-6127-61	9612-6127-57	140	1.5	1.8	
9612-6127-62	9612-6127-58	140	2.2	2.5	
9612-6127-63	9612-6127-59	163	3.0	3.0	
9612-6127-64	9612-6127-60	163	4.0	4.0	
LKHSP-20					
9612-6127-80	9612-6127-75	140	1.5	1.8	
9612-6127-81	9612-6127-76	140	2.2	2.5	
9612-6127-82	9612-6127-77	140	3.0	3.0	
9612-6127-83	9612-6127-78	165	4.0	4.0	
9612-6127-84	9612-6127-79	165	5.5	5.5	
LKHSP-25					
9612-6127-97	9612-6127-93	190	7.5	7.5	
9612-6127-98	9612-6127-94	190	11.0	13.0	
9612-6127-99	9612-6127-95	205	11.0	13.0	
9612-6128-01	9612-6127-96	205	15.0	16.5	
LKHSP-35					
9612-6128-14	9612-6128-10	200	7.5	7.5	
9612-6128-15	9612-6128-11	200	11.0	13.0	
9612-6128-16	9612-6128-12	220	11.0	13.0	
9612-6128-17	9612-6128-13	220	15.0	16.5	
LKHSP-40					
9612-6128-33	9612-6128-28	210	7.5	7.5	
9612-6128-34	9612-6128-29	210	11.0	13.0	
9612-6128-35	9612-6128-30	235	15.0	16.5	
9612-6128-36	9612-6128-31	235	18.5	21.0	
9612-6128-37	9612-6128-32	235	22.0	27.0	

RCPL EUR	Type	Options
	LKHSP-10 LKHSP-20 LKHSP-25 LKHSP-35 LKHSP-40	
Please specify: Pump type, impeller size, connection, motor size, voltage and frequency, shaft seal, rubber grade and pump version.		
Seals/Impeller		
	LKH-10-40 LKH-10-40 LKH-10-40	Flushed shaft seal (FSS) Double mechanical seal (DMS). Shaft seal of Silicon Carbide/Silicon Carbide. Seals: NBR Seals: FPM Reduced impeller. Impeller screw.
Motor/Shroud/Legs		
		Motor for other voltage and/or frequency. Motor with increased safety/explosion proof motor. Pump without shroud and legs, 1.5-3.0 kW. Pump without shroud and legs, 4.0-7.5 kW. Pump without shroud and legs, 11-22 kW.

NOTE! Other options on request.

The centrifugal pumps not mentioned in the code number sheets, should be ordered as below:
Product code: 5303

RCPL EUR	Type	Options
	LKHI-10 LKHI-15 LKHI-20 LKHI-25 LKHI-35 LKHI-40 LKHI-45 LKHI-50 LKHI-60	
Please specify: Pump type, impeller size, connection, motor for system pressure 0-10 bar or 10-16 bar, motor size, voltage and frequency, shaft seal, rubber grade and version.		
Seals/Impeller		
		Flushed shaft seal (FSS) Seals: NBR Seals: FPM Shaft seal of Silicon Carbide/Silicon Carbide. Reduced impeller. Impeller screw.
Motor/Shroud/Legs		
		1500 rpm. motor. Motor for other voltage and/or frequency. Motor with increased safety/explosion proof motor. Pump without shroud and legs, 3.0 kW. Pump without shroud and legs, 4.0-7.5 kW. Pump without shroud and legs, 11-22 kW. Pump without shroud and legs, 30-45 kW. Extended legs.
Surface roughness, product wetted parts: Ra ≤ 0.8 μm		
	LKHI-10 LKHI-15 LKHI-20 LKHI-25 LKHI-35 LKHI-40 LKHI-45 LKHI-50 LKHI-60	

NOTE! Other options on request.

LKH UltraPure

Centrifugal Pumps

3.1

Options and RCPL Price configurator
 Product code: 5304
 Full size impeller
 Pump without shroud.
 Drain ½ inch TC-clamped. 45° outlet

Connections: TriClamp
 Single shaft seal (SSS) SIC/SIC
 Seals: EPDM USP Class 6
 Material Traceability to EN 10204 3.1
 Ra 0.5 µm (mechanical polish).
 Material: 1.4404 (316L)

Pump	Motor [kW] (Please state if 60 Hz)									
	1.5	2.2	3	4	5.5	7.5	11	15	18.5	22
LKH UltraPure-10										
LKH UltraPure-20										
LKH UltraPure-25										
LKH UltraPure-35										
LKH UltraPure-40										

RCPL EUR	Type	Options
	LKH UltraPure-10 LKH UltraPure-20 LKH UltraPure-25 LKH UltraPure-35 LKH UltraPure-40	
Please specify: Pump type, impeller size, connection, motor size, voltage and frequency, shaft seal, rubber grade and pump version.		
		Seals
	LKH UltraPure 10-40 LKH UltraPure 10-40 LKH UltraPure 10-40	Double mechanical seal (DMS). Replacement to seals of Fluorinated rubber (FPM). Seals: FEP
		Impeller/Inlet
	LKH UltraPure 10-40	Reduced impeller.
		Material/surface
	LKH UltraPure 10-40 LKH UltraPure 10-40 LKH UltraPure 10-40 LKH UltraPure 10-40 LKH UltraPure 10-40 LKH UltraPure 10-40 LKH UltraPure 10-40	Ra 0.8 µm (mechanical polish). Electropolishing. Product wetted steel parts - ferrite max. 1%. Product wetted steel parts - ferrite max. 5%. Surface finish certificate. Hydrostatic testing with certificate Passivation of pump
		Drain
	LKH UltraPure 10-40	No drain
		Specials
	LKH UltraPure 10-40	Special flush arrangement (Incl. Diaphragm valve, needle, regulating valve, flow meter with integrated non return valve and flow meter).
		Motor/Shroud/Legs
	LKH UltraPure 10-40 LKH UltraPure 10-40	1500 rpm. motor. Motor for other voltage and/or frequency. Pump with shroud, 0.75-3.0 kW. Pump with shroud, 4.0-7.5 kW. Pump with shroud, 11-22 kW. Pump without legs, 0.75-7.5 kW. Pump without legs, 11-22 kW.

NOTE! Other options on request.