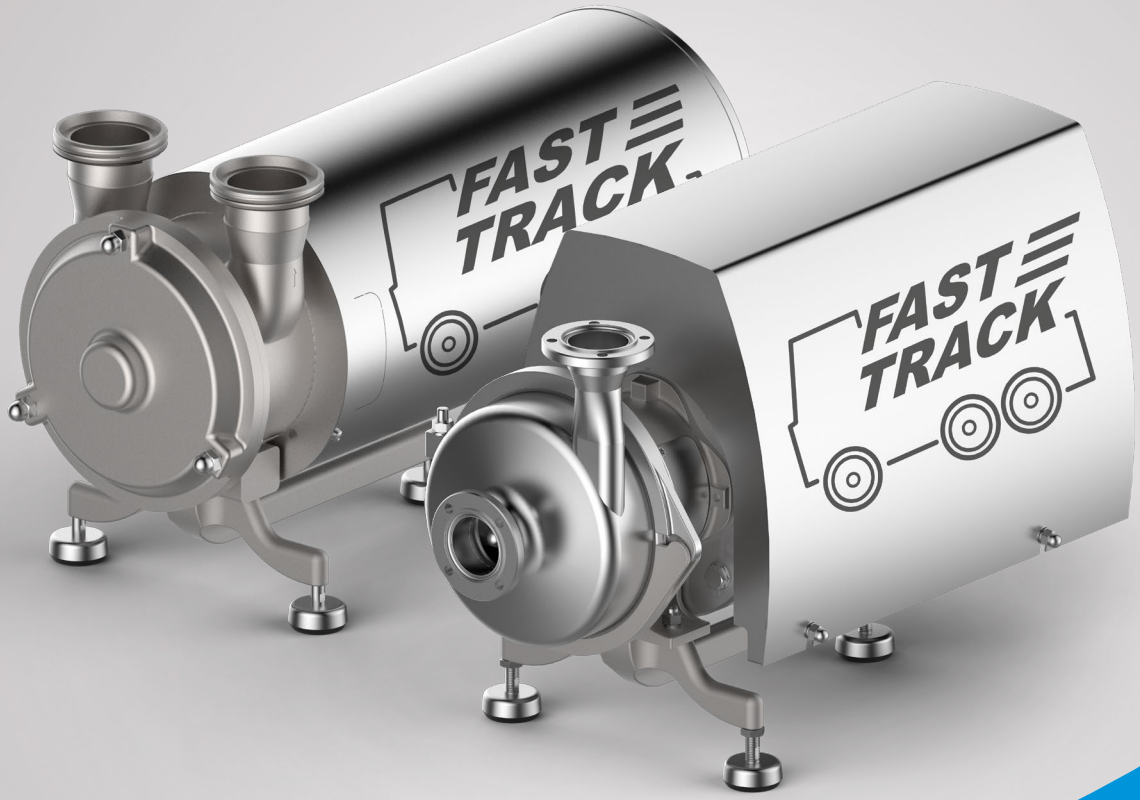
GEA VARIPUMP



V6.0_2021_EN

GEA Hilge HYGIA
GEA Hilge SIPLA

Fast Track Program – 50 Hz

engineering for
a better world

gea.com

GEA Hilge HYGIA

Flexibility for your Demanding Process Applications

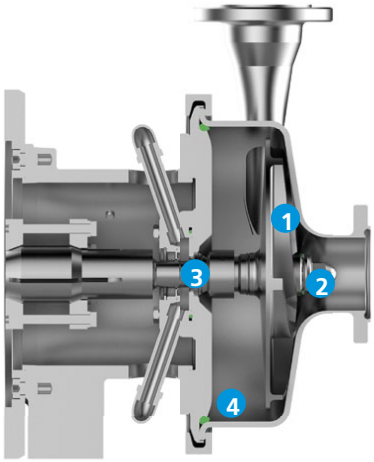
The premium pump series GEA Hilge HYGIA in the GEA VARIPUMP line consists of single-stage end-suction centrifugal pumps, designed for use in industries with high demands to hygiene and flexibility.

Corresponds to the Highest Global Hygiene Requirements

Produced of high-quality materials that meet the highest global hygiene standards, GEA Hilge HYGIA also offers a high level of flexibility. A flexible range of connections is available including DIN, ASME and ISO connections as well as custom connections on request.
The pumps are equipped with duty point optimized impellers with different impeller designes optimized for the specific customer demands.

GEA Hilge HYGIA K-SUPER

FEATURES AND BENEFITS



1 Optimized impeller
Open impeller for efficient and gentle product handling

2 Hygienic construction
The constructional design allows optimal cleaning (CIP) and sterilisation (SIP)

3 Inboard mechanical seal
For effective cleaning, cooling and lubrication

4 Dead end free design
The pumps meet the highest hygienic demands to avoid contamination

The GEA Hilge HYGIA pump can be flexibly used in all application ranges in which reliable hygienic pump function is required. This includes the following areas:

Food & Beverage Industry
- Beer / Breweries
- Dairies
- Soft drinks
- Yeast processing

Personal Care
- Purified water, WFI
- Lotions
- Perfumes

Additional Industrial Applications
- Cleaning processes (CIP systems)
- Water technology processes
- Semiconductor production
- Metal surface treatment
- Bio fuel
- Water treatment systems
- Textile industry
- Paint systems

GEA Hilge SIPLA

The "CIP return master" for optimized cleaning

The GEA Hilge SIPLA range offers self-priming side channel pumps for demanding applications, high reliability and smooth operation for the success of your production and cleaning processes.

The GEA Hilge SIPLA range of self-priming side channel pumps offers clockwise and counterclockwise rotation e.g. for facilitated CIP processes.
The top casing connections ensure that the pump is are not drained when not running. Robustness characterizes the components of the GEA Hilge SIPLA family.
The all-stainless steel construction exemplifies GEA's commitment to quality and efficiency.

GEA Hilge SIPLA Bloc-SUPER

- Good suction performance ensures shorter process times even when pumping media with high gas content.
- Ensured process flexibility due to clockwise and counter-clockwise rotation in the standard version (a particular advantage for mobile pumps).
- The Adapta version enables quick and easy motor change, pump can remain in the pipeline.
- One sealing concept for the entire range (single-stage, multi-stage, self-priming pumps) minimizes parts logistics.
- Ideally adaptable to customer needs and demanding tasks thanks to variable connections, seals and mountings.
- Long service life of wear parts thanks to low vibration.
- Suitable for pumping both product and CIP liquid, greatly reducing investment costs.

The GEA Hilge SIPLA pump range is suitable for the following application areas and products, due to the hygienic design and material selection:

Food and beverage industry

- Breweries (beer, wort, mash, yeast, etc.)
- Dairies (milk, milk-based mixed beverages, cheese manufacturing, etc.)
- Soft drinks (fruit juice, lemonade, mineral water, etc.)
- Wine and champagne cellars
- Distilleries (mash, distillates, etc.)
- Food manufacturing (marinades, brine, cooking oil, etc.)

Other industrial applications

- CIP return systems
- Applications with liquid contraining entrained gas or air
- Filtration systems

GEA Hilge Fast Track

Program Description

GEA Hilge's range of stainless steel sterile, centrifugal process pumps has been developed for numerous sterile and hygienic applications, as well as for general industrial applications.

The specified Fast Track program is developed to set up a very fast delivery program within a defined pump configuration for urgency matters.

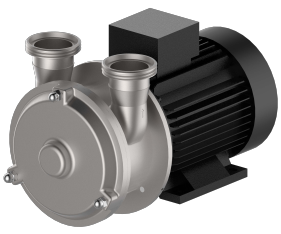
Each pump within this program has a defined product number. All components are on stock and a specific procedure for order and production makes sure, that the pump can be delivered within 2 days ex works. Further information about the order procedure please check on page 6.

Defined product number for the GEA Hilge HYGIA K Fast Track program you find on page 19 + 20.
Defined product number for the GEA Hilge SIPLA Bloc Fast Track program you find on page 28.

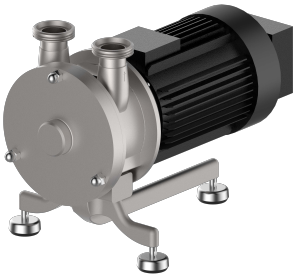
Available Options

	HYGIA K	SIPLA Bloc
Material liquid contact parts	316L (1.4404/1.4435)	316L (1.4404)
Elastomer	EPDM FKM (Viton)	EPDM FKM (Viton)
Connection	Threads - DIN 11851 Aseptic flange - DIN 11864-2/11853-2 Threads SMS Threads RJT	Threads - DIN 11851
Surface roughness liquid contact parts	Ra ≤ 3.2 µm	Ra ≤ 3.2 µm
Impeller	Semi-open	Star
Casing	Clamp ring - KLM	Screwed
Mechanical seal	Single, inboard mechanical seal with open spring Material: carbon/stainless steel SIC/SIC Elastomer: EPDM, FKM (Viton)	Encapsulated single, inboard mechanical seal Material: carbon/stainless steel SIC/SIC Elastomer: EPDM, FKM (Viton)
Design	K - pump in bloc execution with plug-in shaft on combi foot K-SUPER - pump in bloc execution with plug-in shaft, on combi foot motor with stainless steel shroud	Bloc - pump in bloc execution on motor foot Bloc-SUPER - pump in bloc execution on combi foot motor with stainless steel shroud
Motor	up to 2.2 kW 220 - 240 V / 380 - 415 V - 50 Hz from 3.0 kW 380 - 415 V / 690V - 50 Hz Design B5 or B35 ISO class F Efficiency class IE3 IP 55 with PTC thermistors	up to 2.2 kW 230V / 400V - 50 Hz from 3.0 kW 400V / 690V - 50 Hz Design B5 or B35 ISO class F Efficiency class IE3 IP 55 with PTC thermistors
Colour	RAL 9005	RAL 9005
Lantern	Stainless Steel CF-8 (1.4308)	-
Documentation	Operating manual, Declaration of CE conformity, Pump test report	Operating manual, Declaration of CE conformity, Pump test report

GEA Hilge HYGIA K on combi foot



GEA Hilge SIPLA Bloc on motor foot



GEA Hilge SIPLA Bloc on combi foot

Order Procedure

Order Procedure

Only HYGIA K & SIPLA Bloc pumps with the executions and options as described on page 5 are allowed to order for Fast Track.

The unique HYGIA performance curves of the available impeller designs and dimensions for selection are shown on page 8 to 18.
The HYGIA Fast Track pump must be ordered with the defined product number stated at page 19 + 20.

The unique SIPLA performance curves are shown on page 28.
The SIPLA Fast Track pump must be ordered with the defined product number stated at page 28.

The extra cost for the Fast Track production is included in the pump price.
Certificates are not available.

It is not allowed to have other product numbers for Fast Track in the order than stated in this leaflet.

The order has to be placed untill 08:00 am at the Order Desk at GEA Hilge Bodenheim.

Mail to: Support.Hilge@gea.com

The day the order has been placed is the 1st working day. The pump will be ready for dispatch on the 2nd working day.

Delivery Conditions

The type of delivery can be chosen from the sales companies.

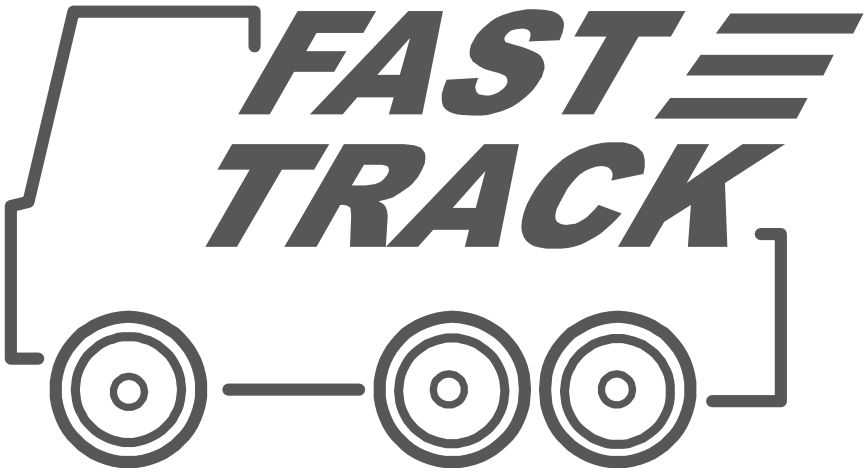
Standard Delivery is according to the actual GEA Hilge terms of delivery.

Direct transportation to the final destination in all EU countries and Switzerland is EXW (Ex Works).

For following delivery conditions, extra cost will be charged to the end user (delivery address):

- UPS/TNT 24h Express
- Courier express (direct delivery on request)
- UPS/TNT 48h Express

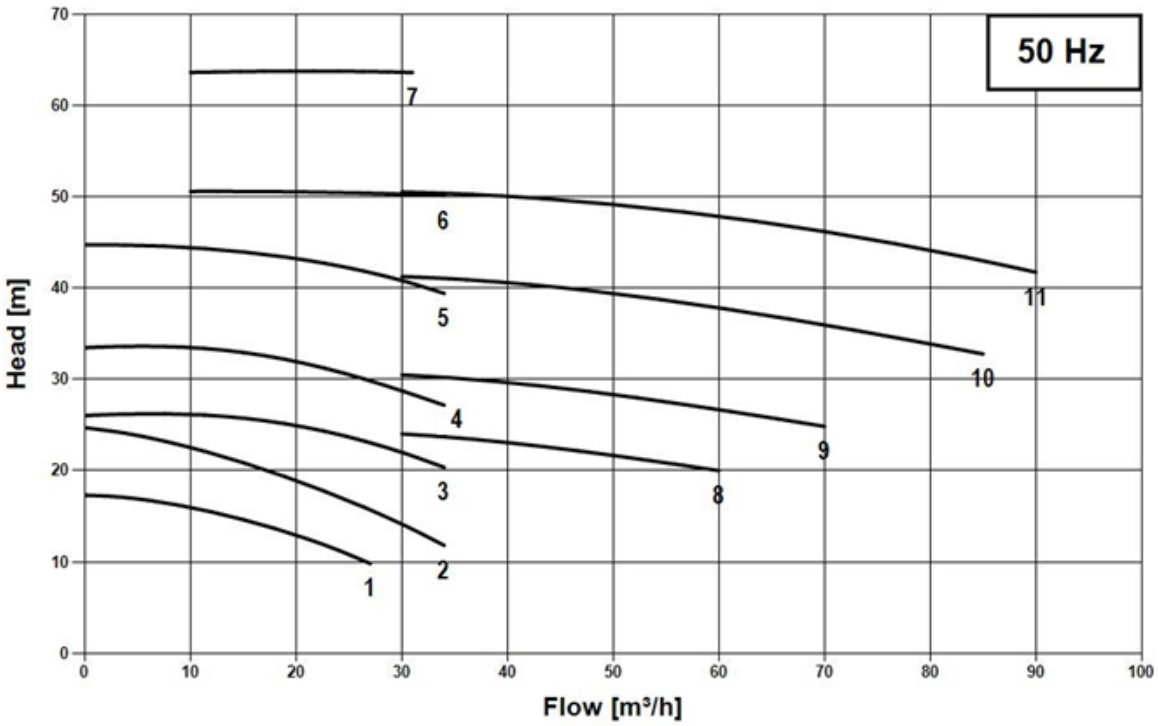
Alternative the pump can be picked-up by self-collector.



Overview of Fast Track Pumps

GEA Hilge HYGIA K

Performance Range

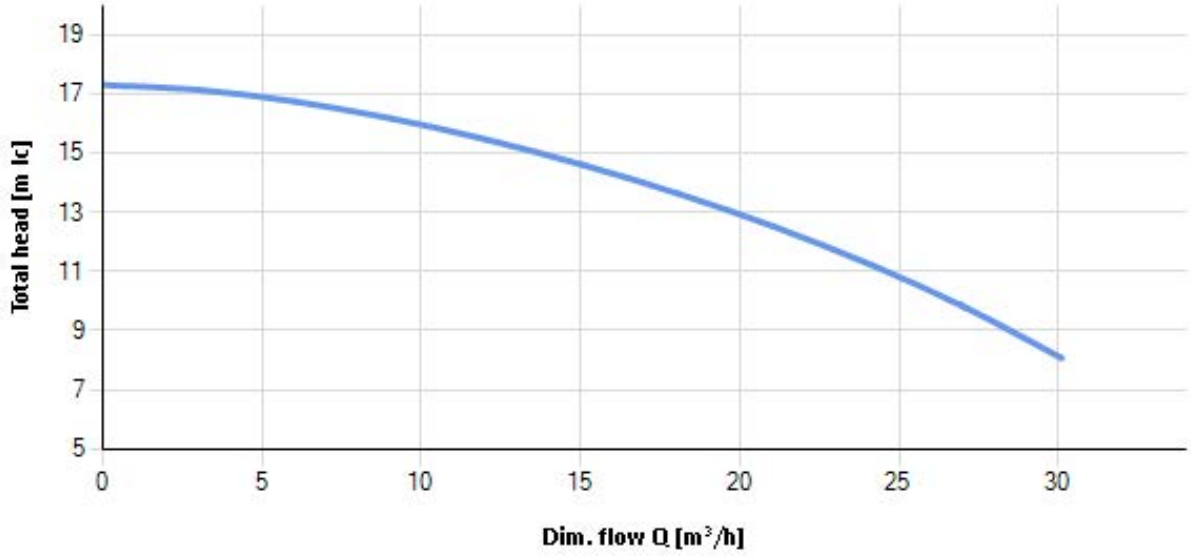


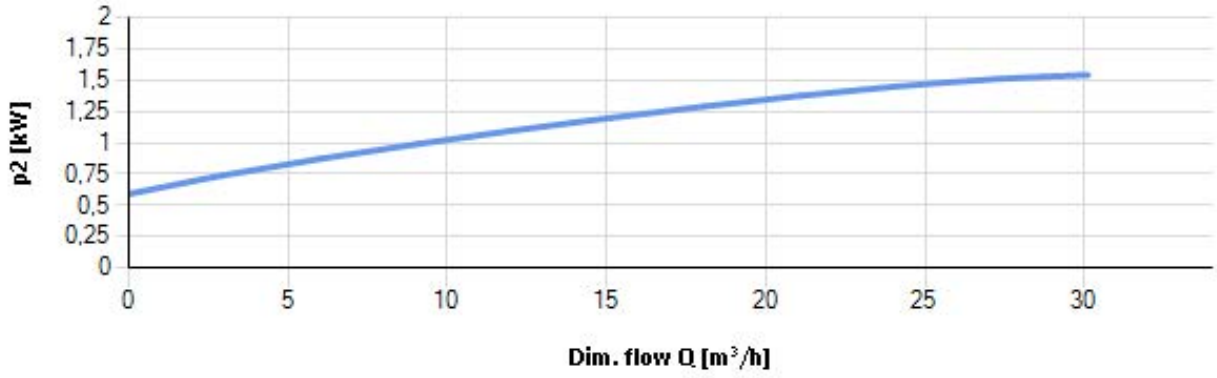
Pump Selection

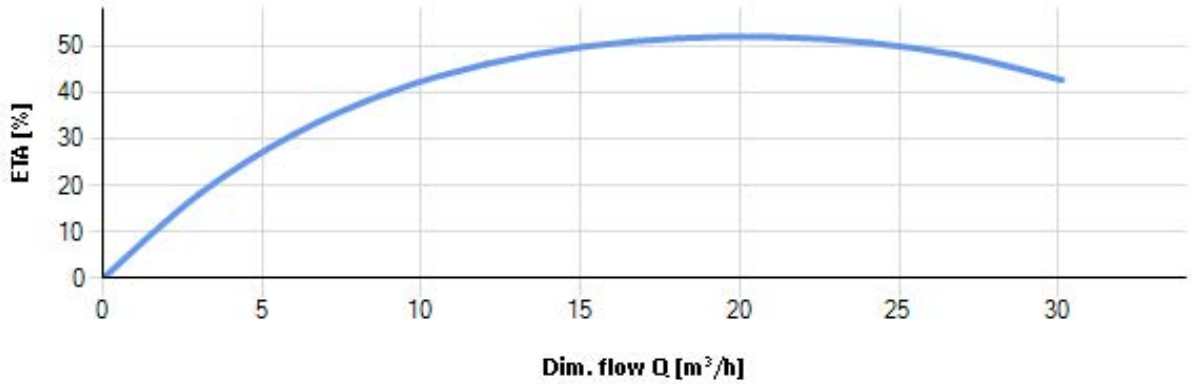
HYGIA	Curve	Motor			Connection		Impeller		Duty 1		Duty 2	
		[rpm]	Size	[kW]	DIN	OD	Type	Diameter	[m³/h]	[m]	[m³/h]	[m]
I	1	2.900	90S	1,5	50/50	2"/2"	160x4	130	15	15	27	10
I	2	2.900	90L	2,2	50/50	2"/2"	160x4	155	15	21	34	12
I	3	2.900	100L	3,0	50/50	2"/2"	185x6	150	15	26	34	21
I	4	2.900	112M	4,0	50/50	2"/2"	185x6	170	15	34	34	27
I	5	2.900	132S	5,5	50/50	2"/2"	185x9	185	15	44	34	39
II	6	2.900	160M	11,0	65/65	2½"/2½"	220x7	210	15	51	34	51
II	7	2.900	160M	11,0	65/65	2½"/2½"	230x9	230	15	64	31	64
II	8	2.900	132S	5,5	80/80	3"/3"	190x12	145	30	24	60	20
II	9	2.900	132S	7,5	80/80	3"/3"	190x12	160	30	31	70	25
II	10	2.900	160M	11,0	80/80	3"/3"	190x12	185	30	42	85	32
II	11	2.900	160M	15,0	80/80	3"/3"	220x7	205	30	51	90	42

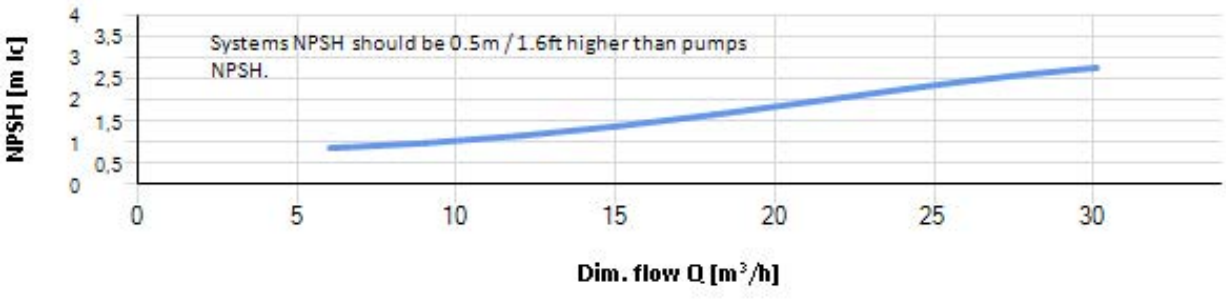
GEA Hilge HYGIA I K 50/50/1.5/2 - 50

Hz Performance Curve 1



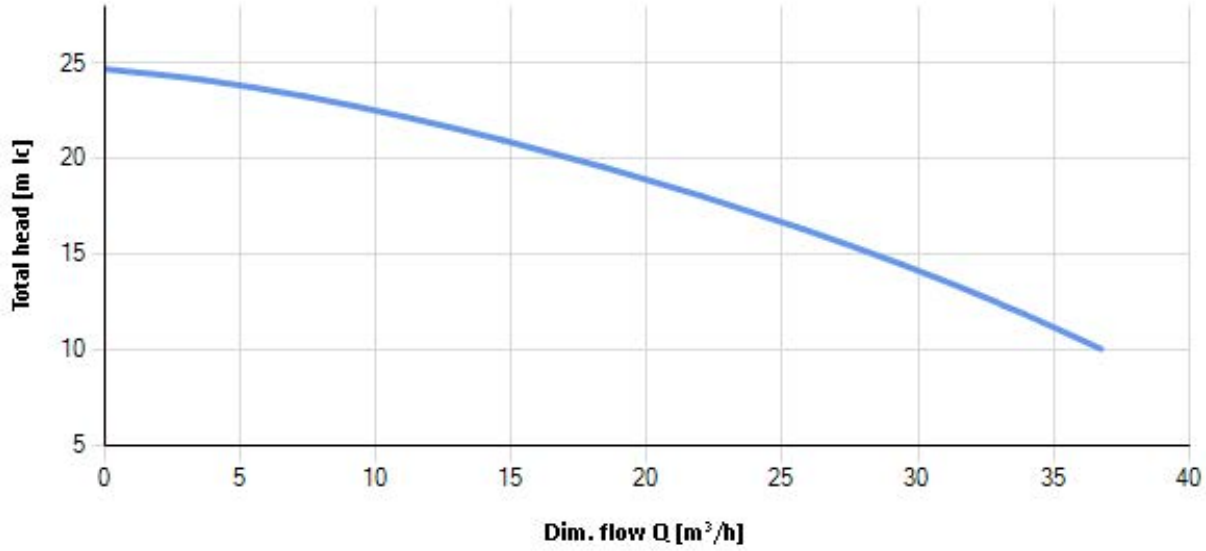


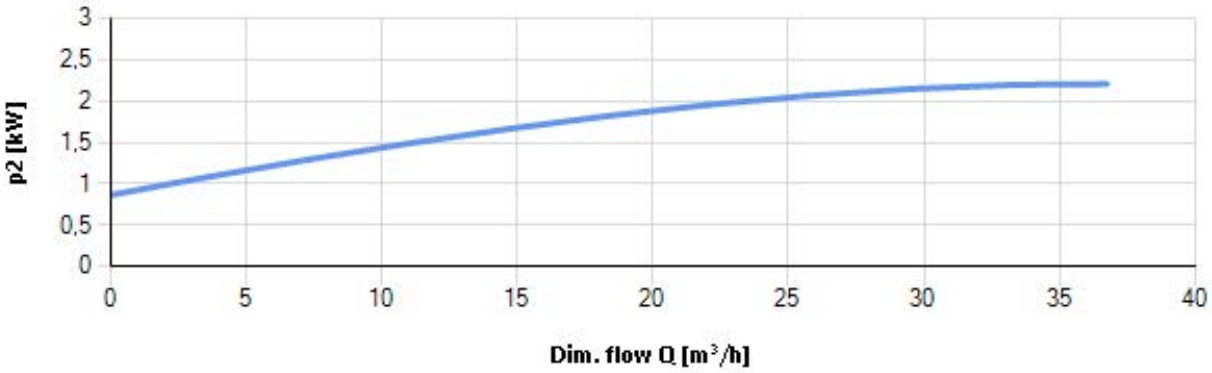


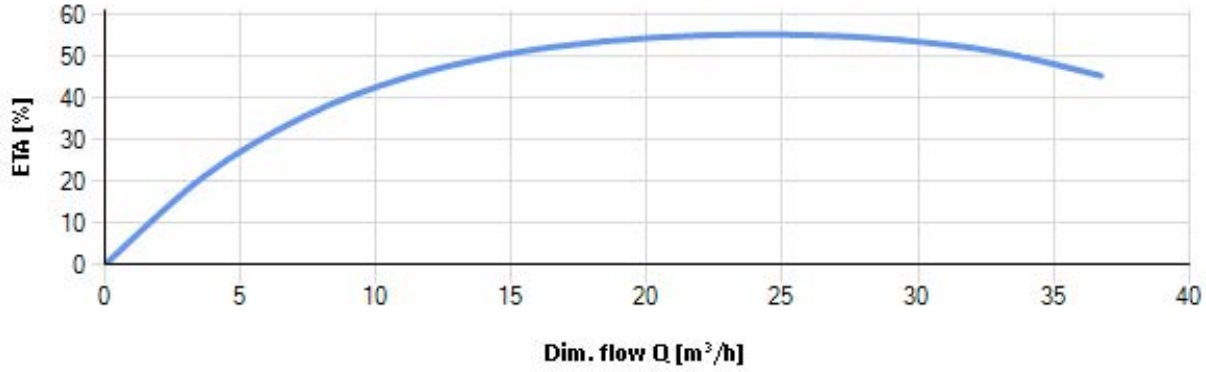


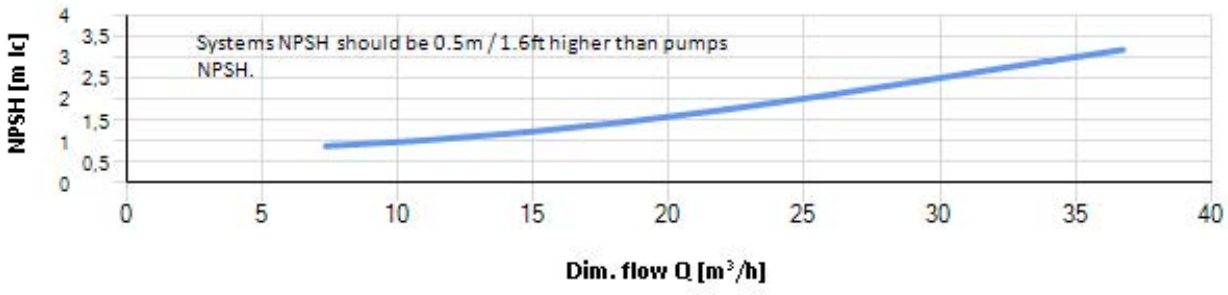
GEA Hilge HYGIA I K 50/50/2.2/2 - 50

Hz Performance Curve 2



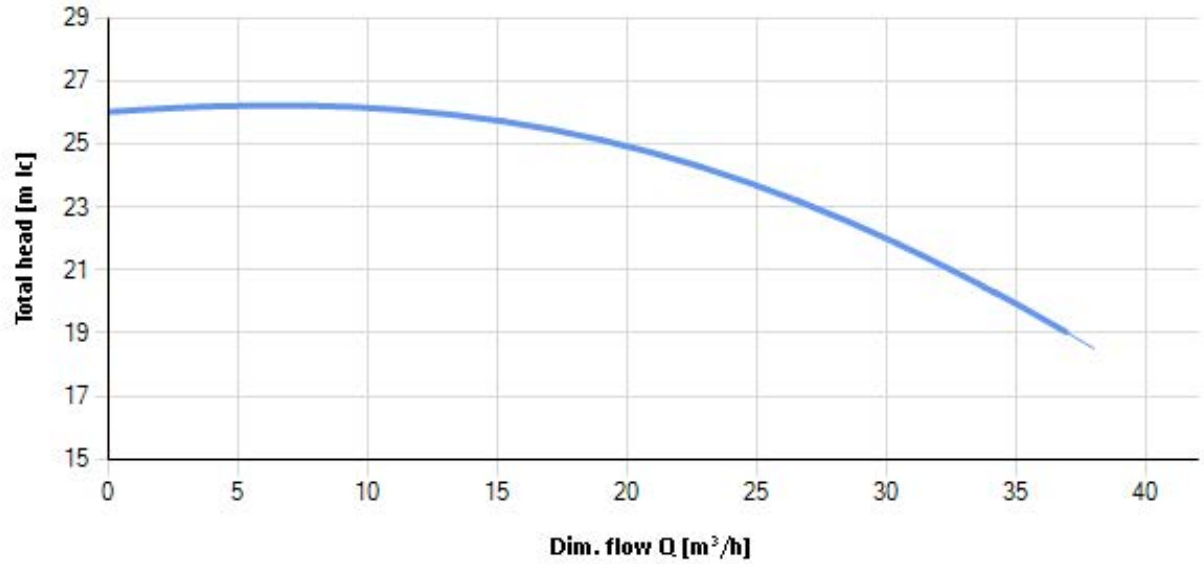


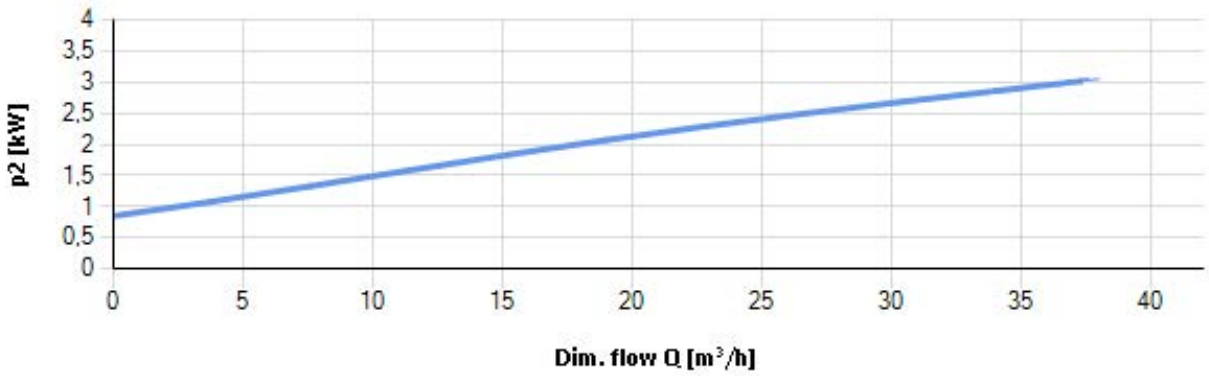


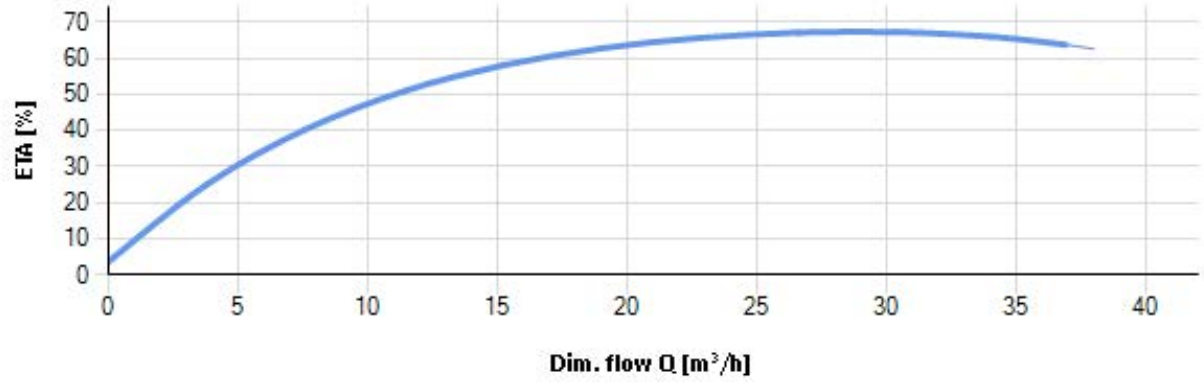


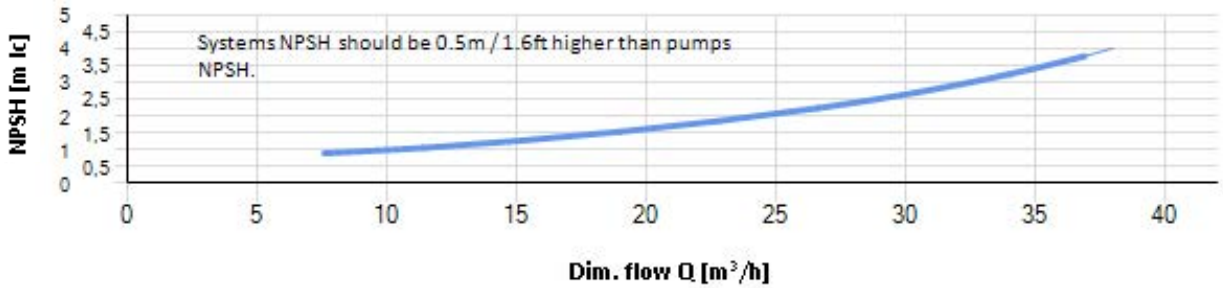
GEA Hilge HYGIA I K 50/50/3.0/2 - 50

Hz Performance Curve 3



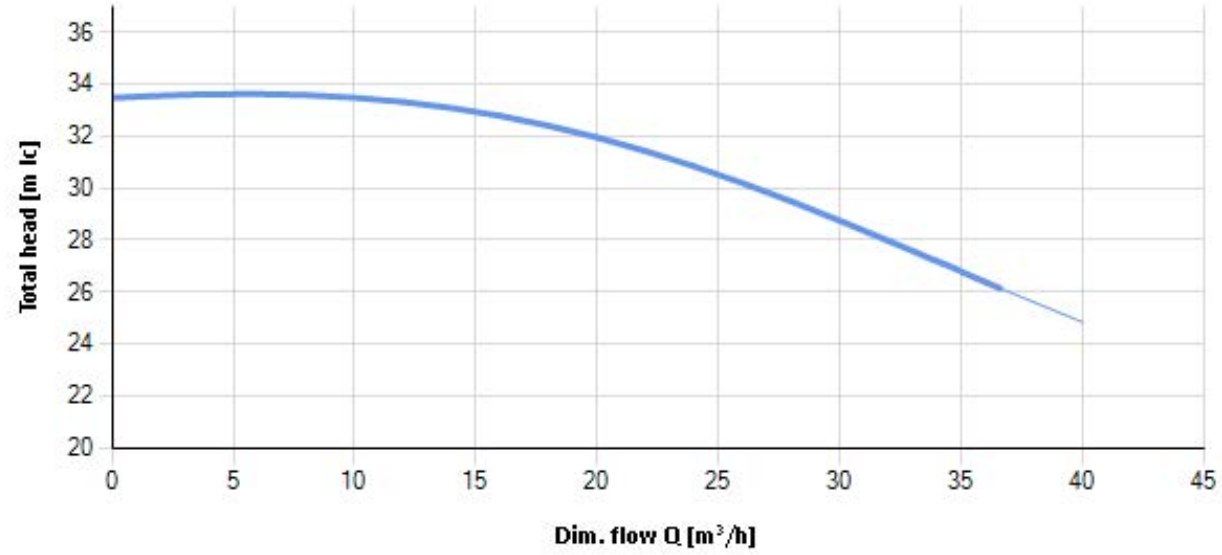


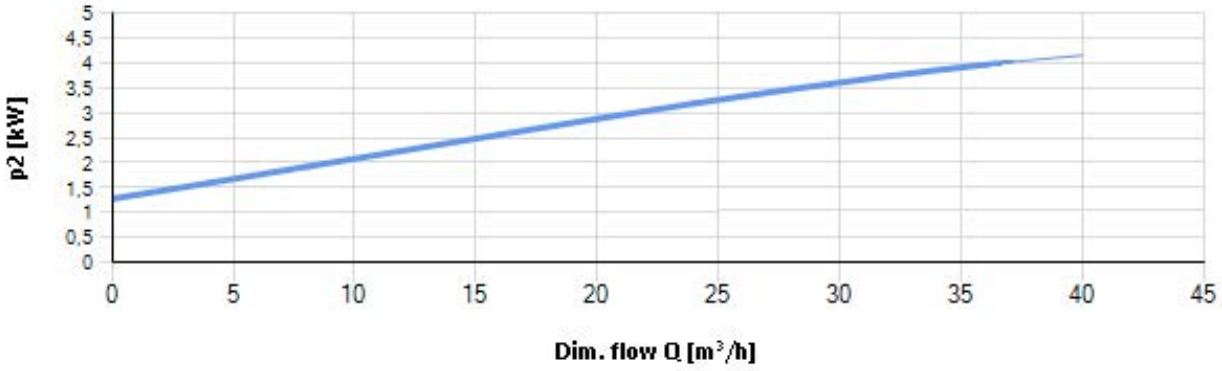


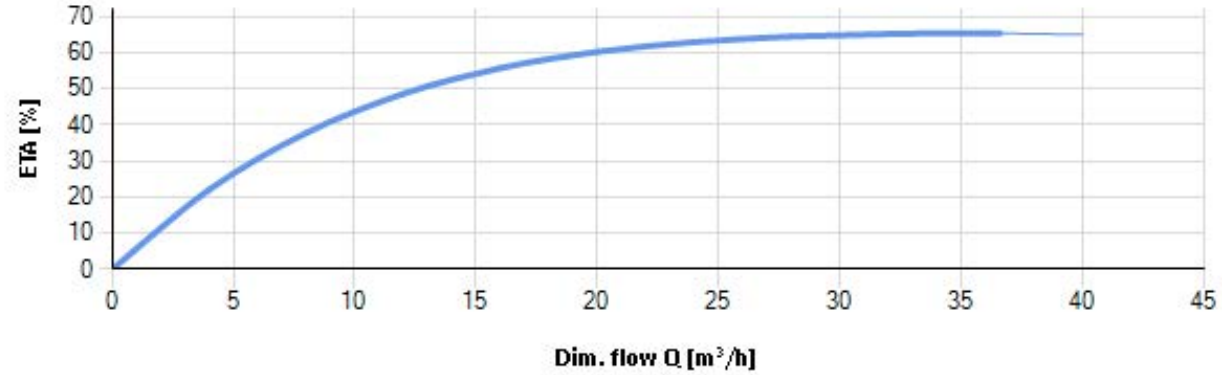


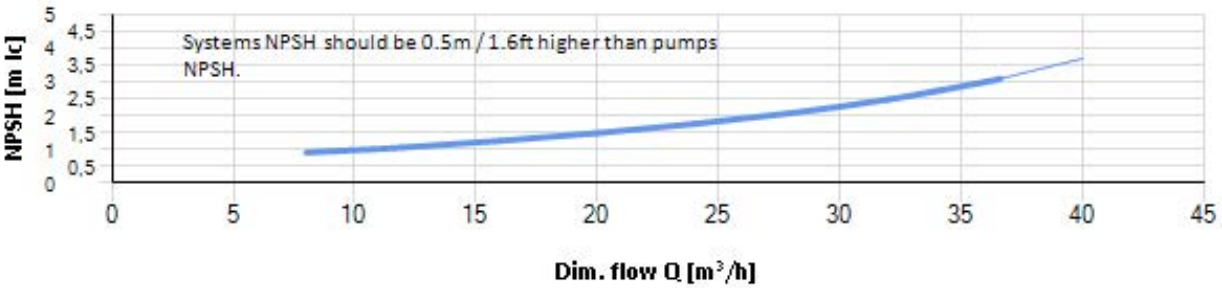
GEA Hilge HYGIA I K 50/50/4.0/2 - 50

Hz Performance Curve 4



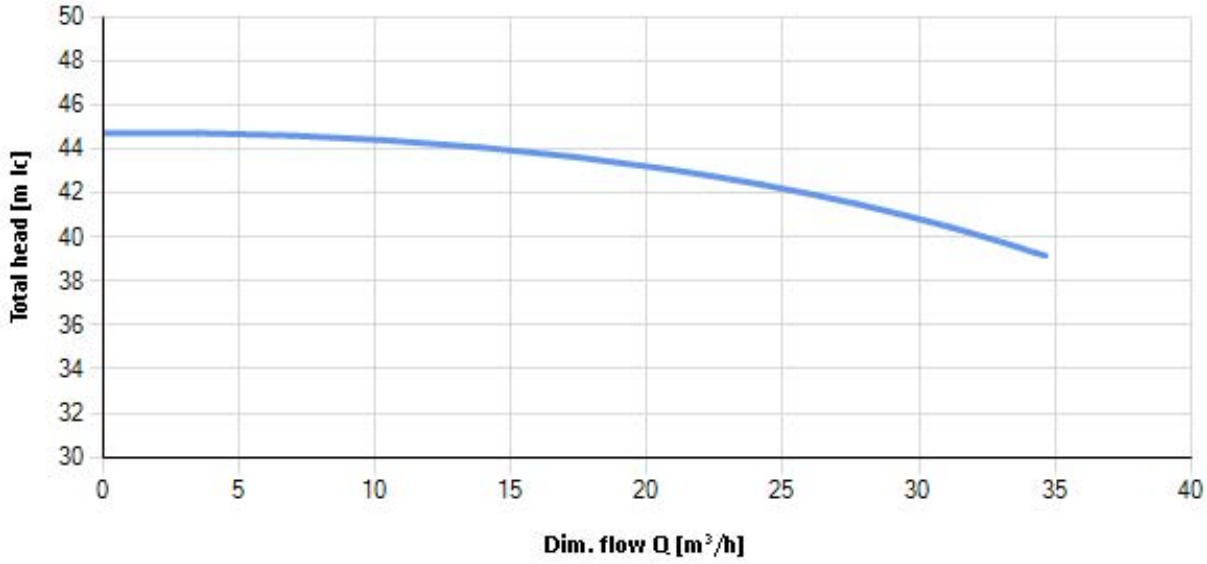


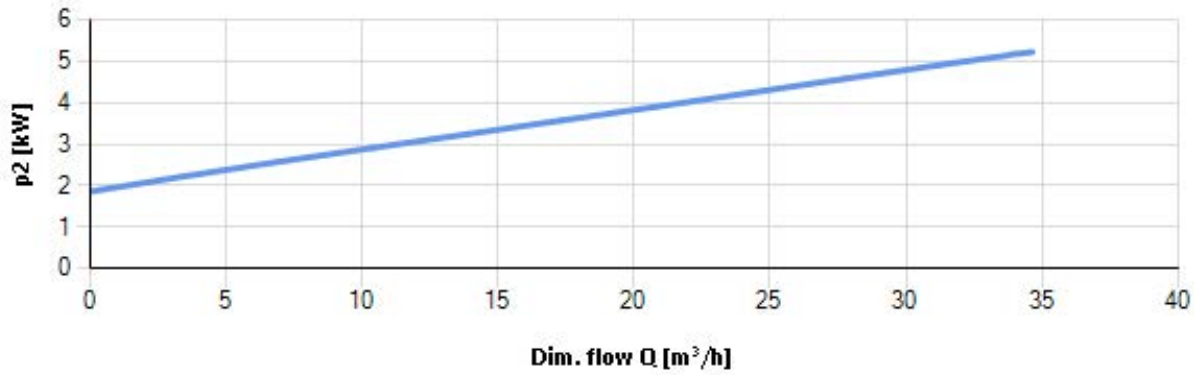


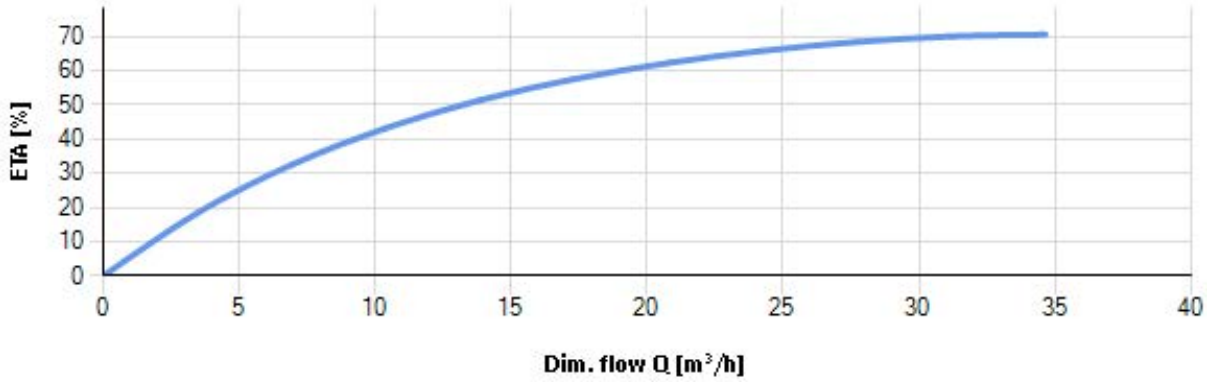


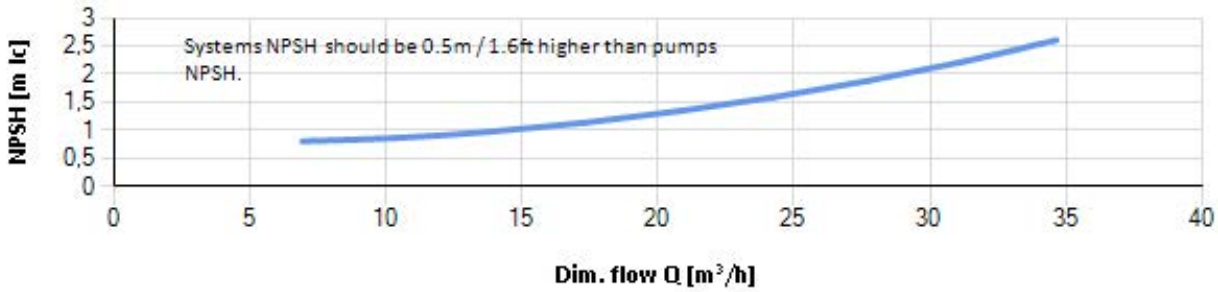
GEA Hilge HYGIA I K 50/50/5.5/2 - 50

Hz Performance Curve 5



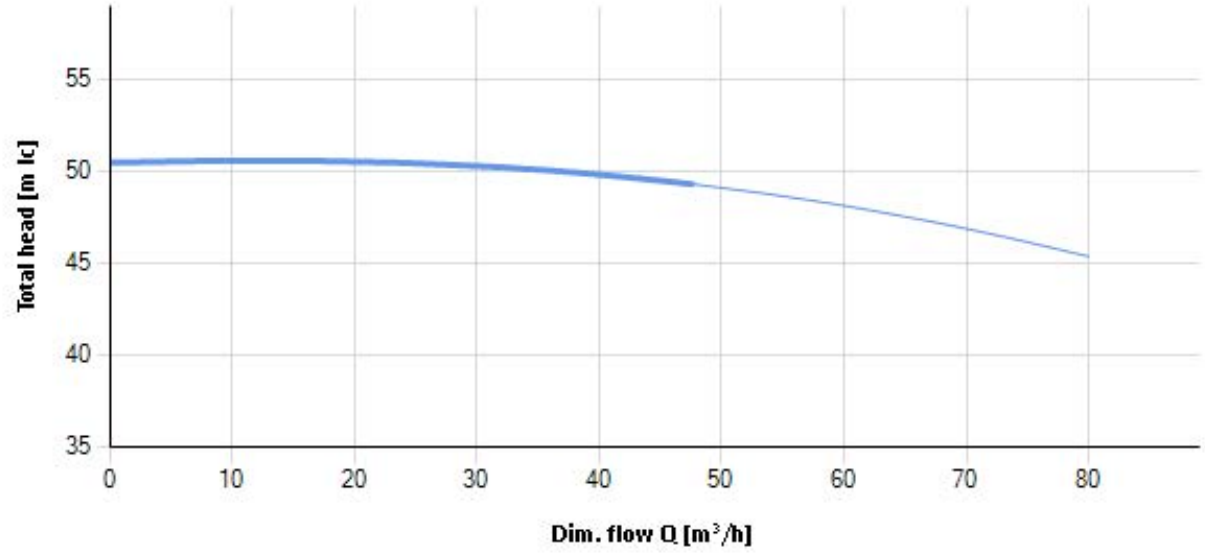


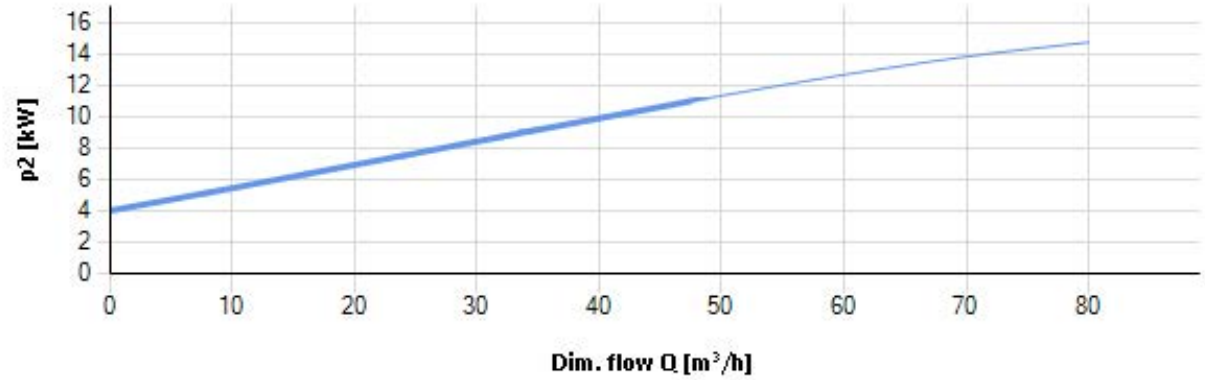


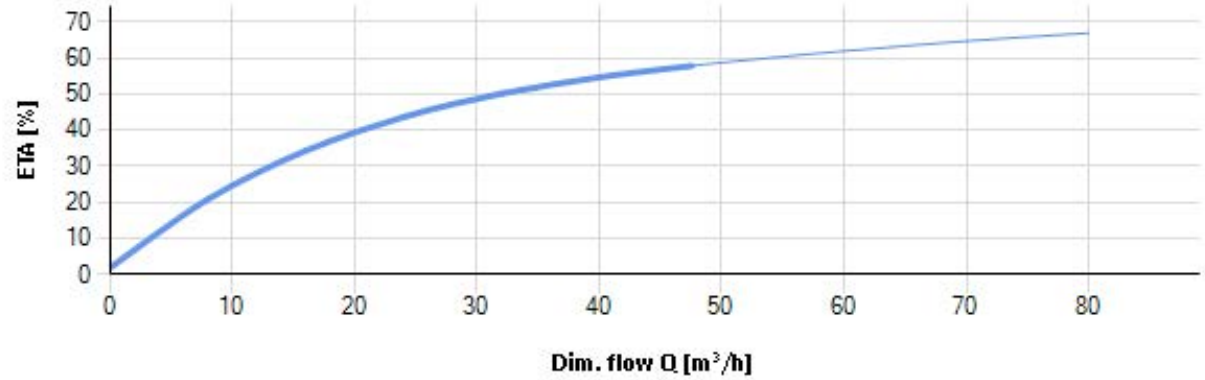


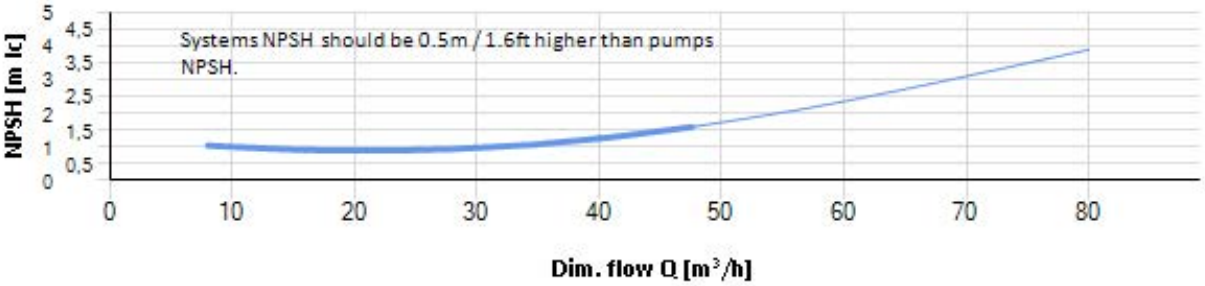
GEA Hilge HYGIA II K 65/65/11.0/2 - 50

Hz Performance Curve 6



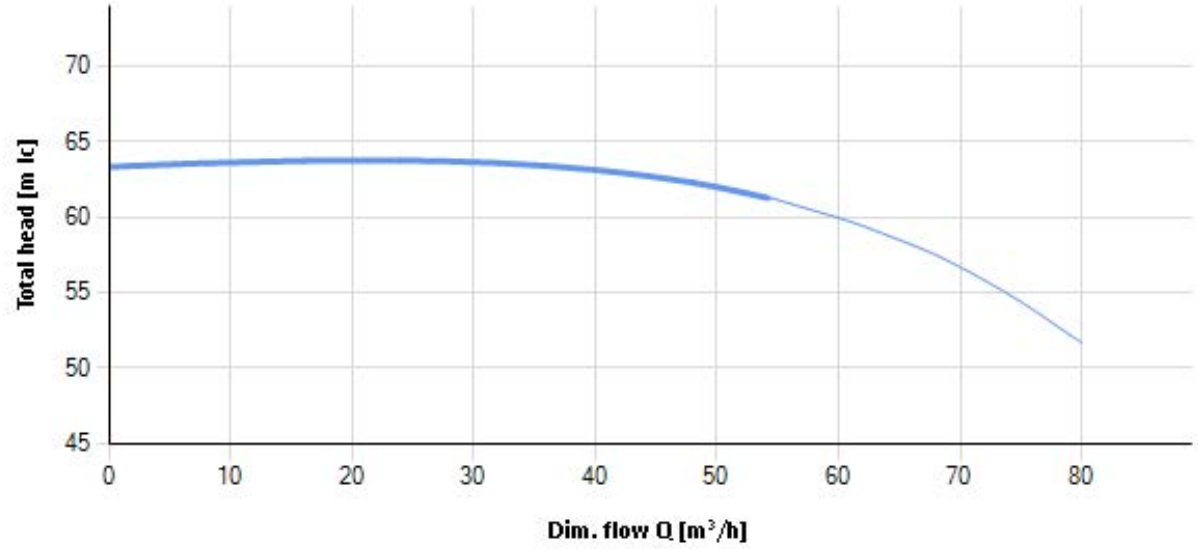


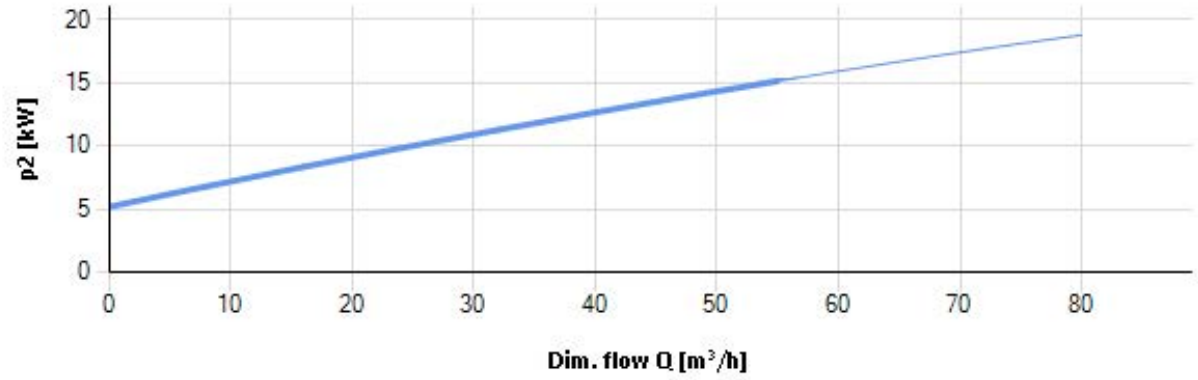


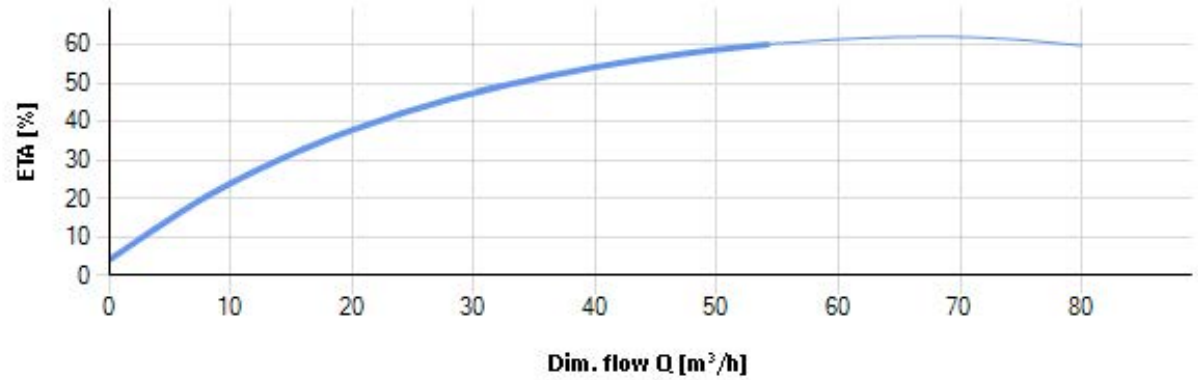


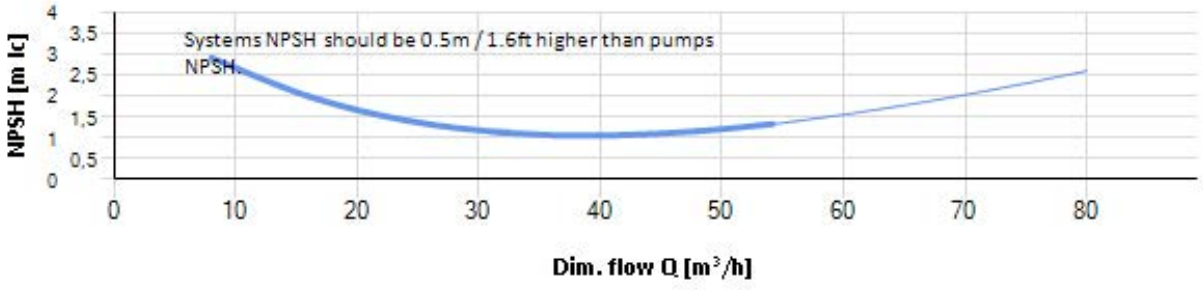
GEA Hilge HYGIA II K 65/65/11.0/2 - 50

Hz Performance Curve 7



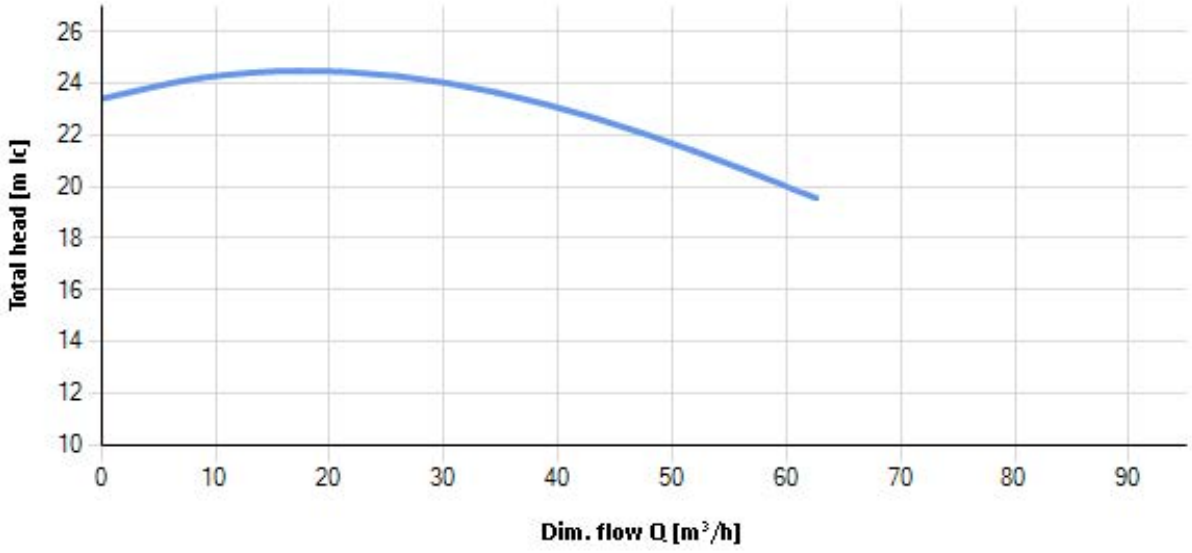


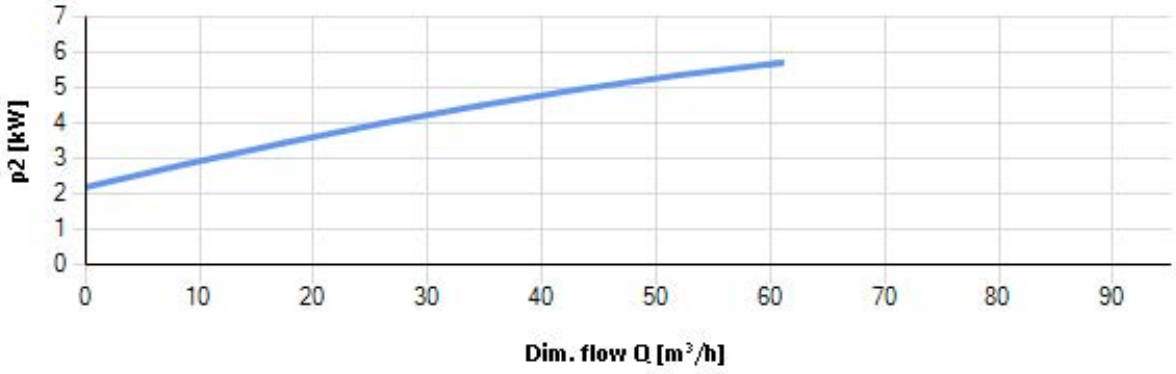


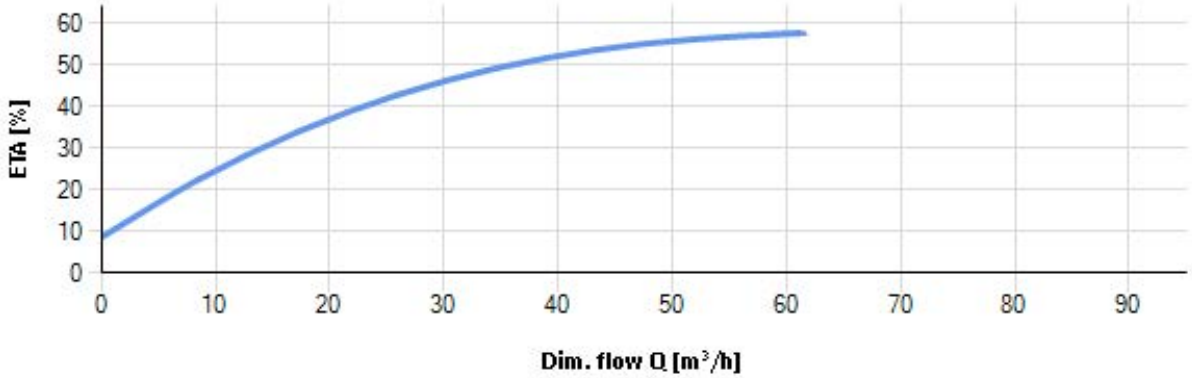


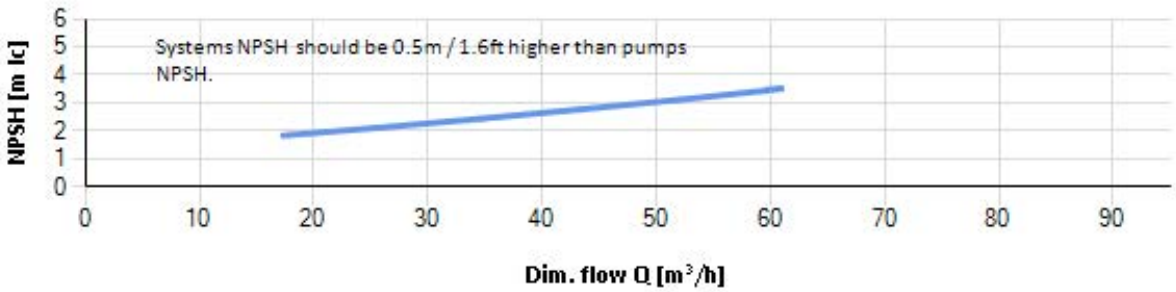
GEA Hilge HYGIA II K 80/80 - 50

Hz Performance Curve 8



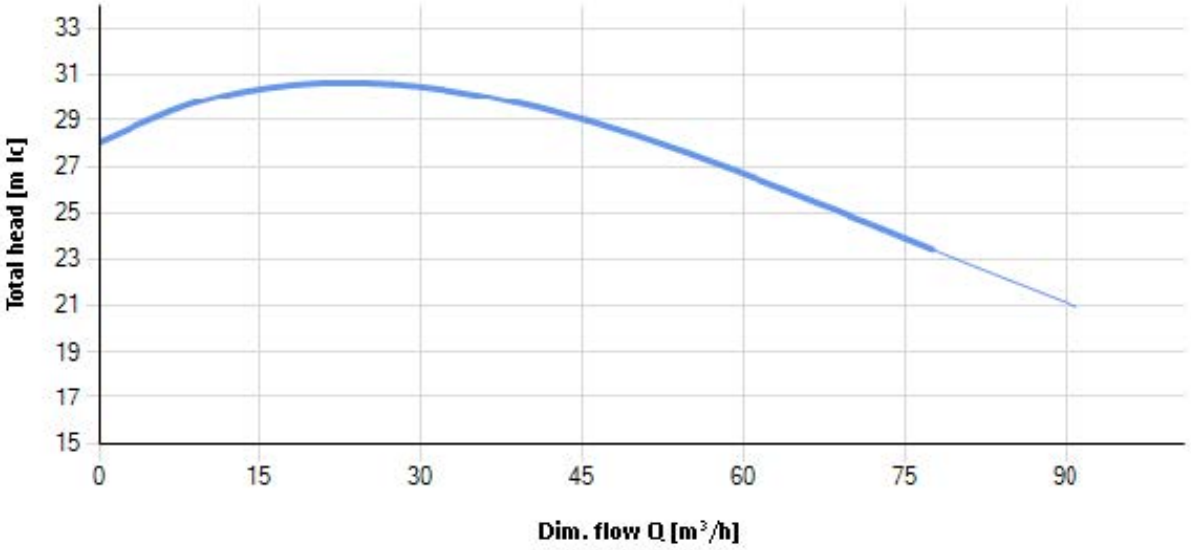


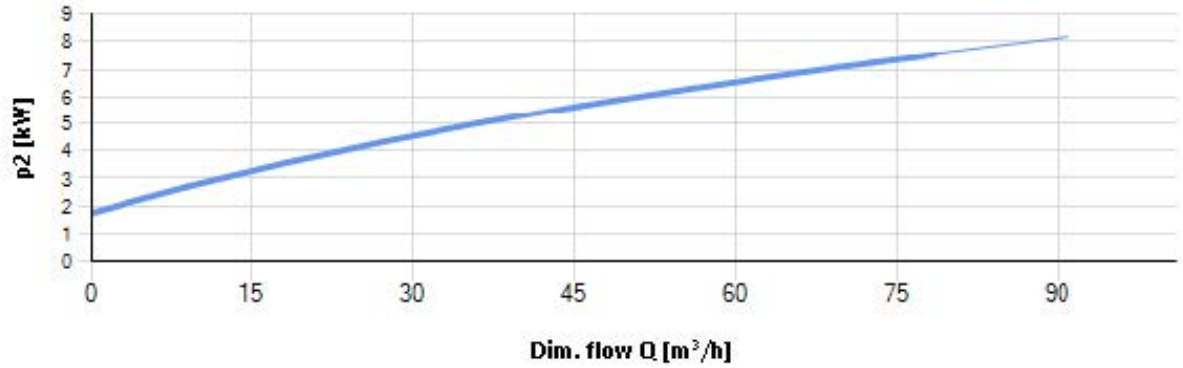


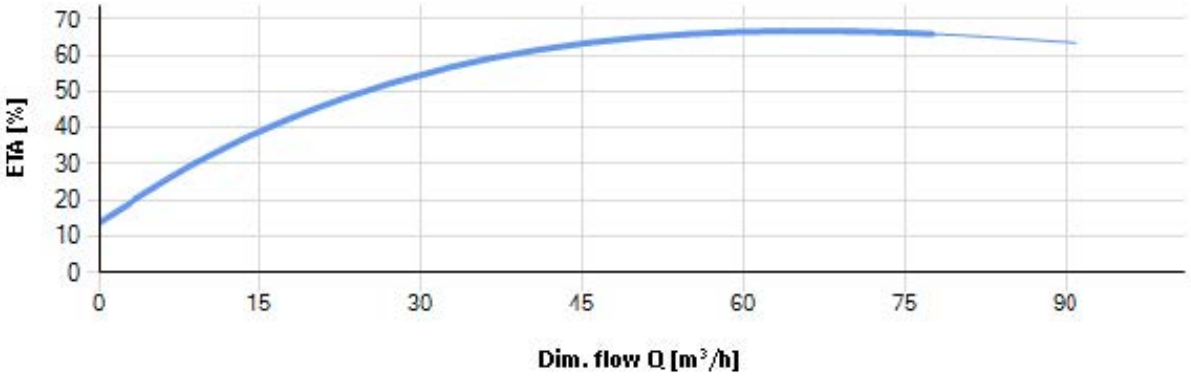


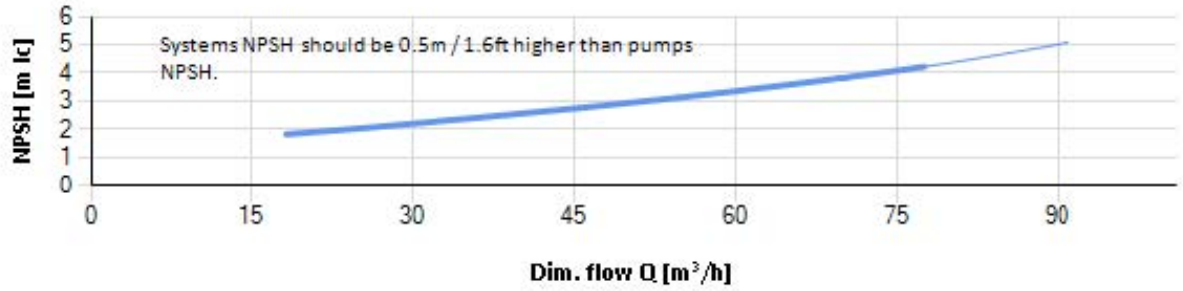
GEA Hilge HYGIA II K 80/80/7.5/2 - 50

Hz Performance Curve 9



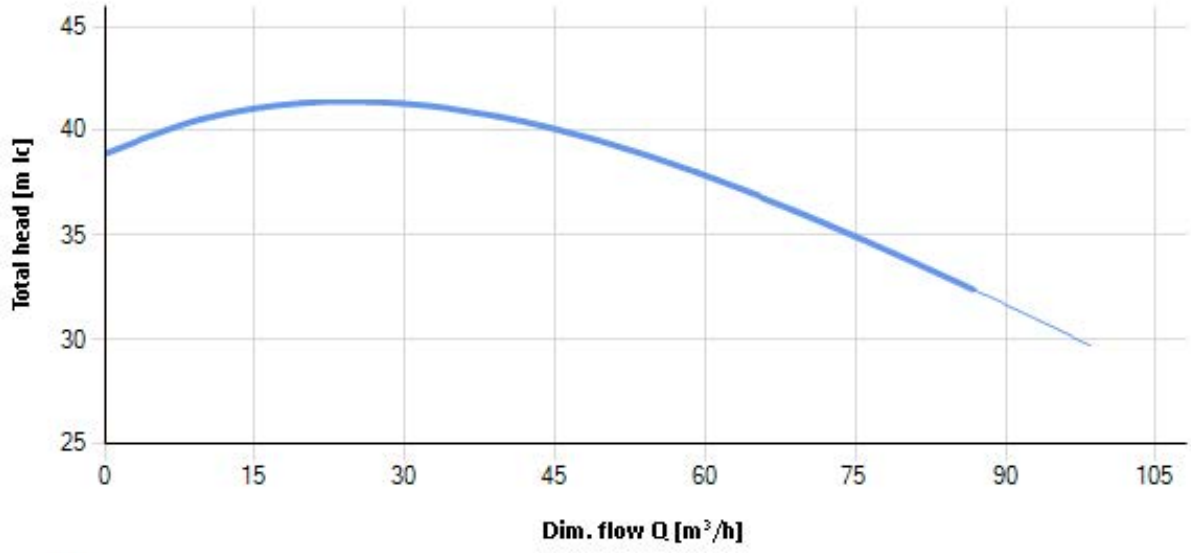


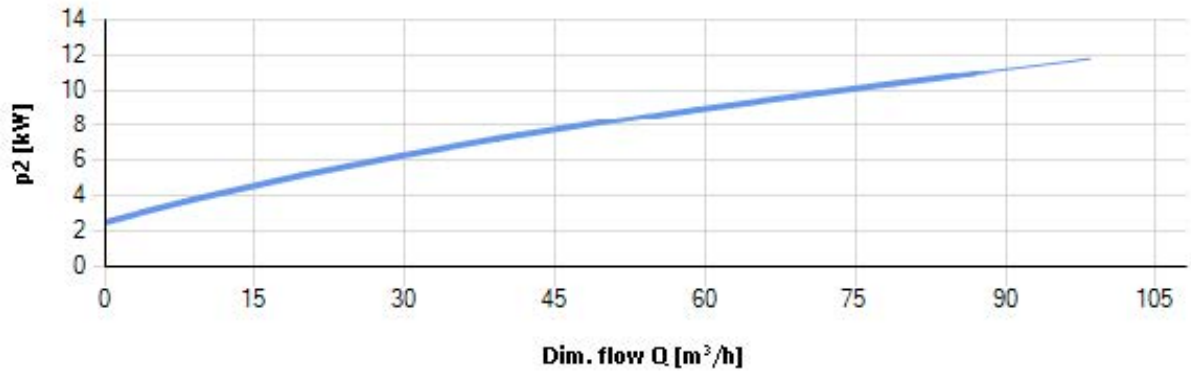


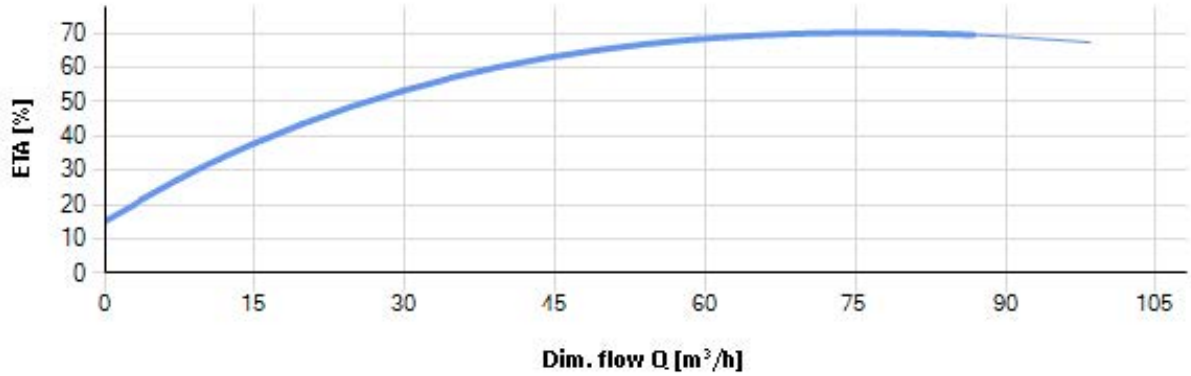


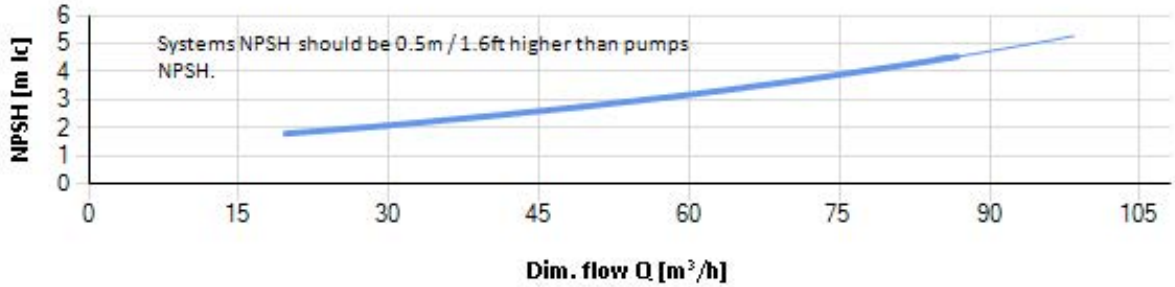
GEA Hilge HYGIA II 80/80/11.0/2 - 50

Hz Performance Curve 10



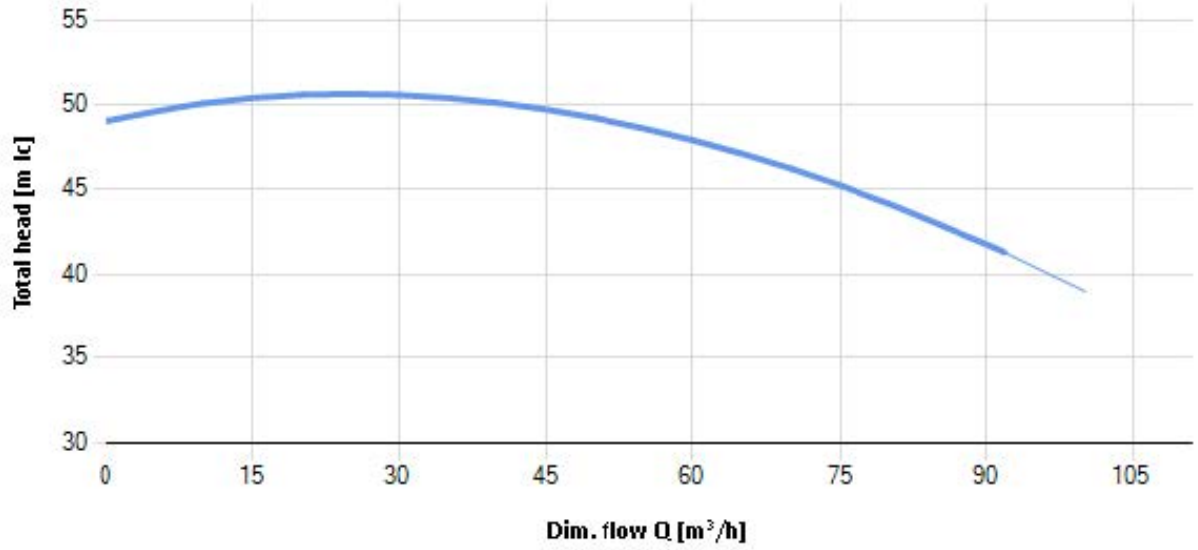


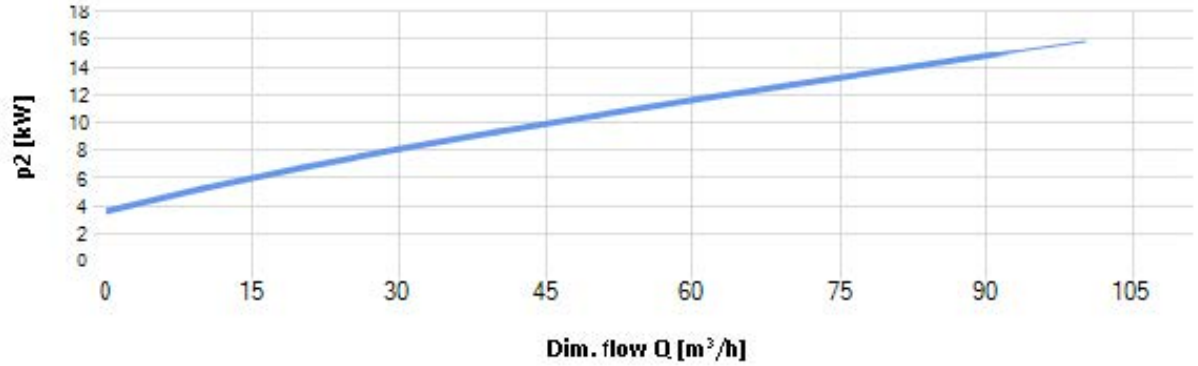


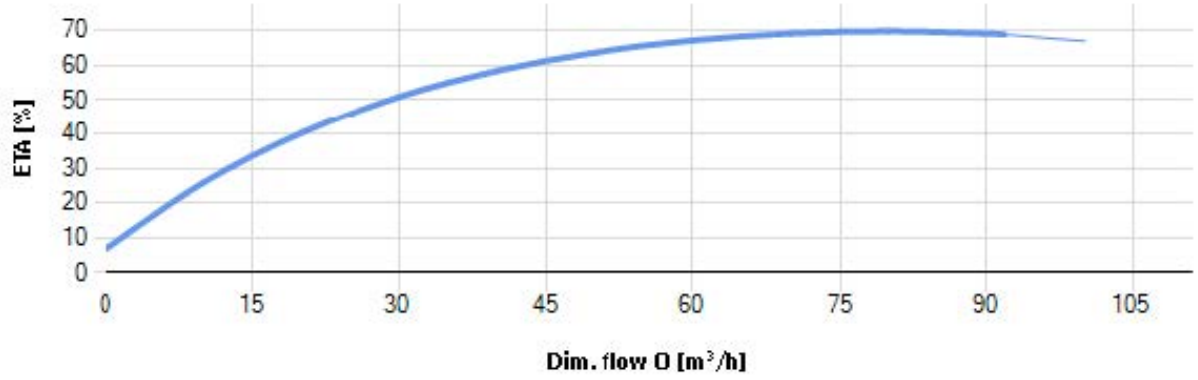


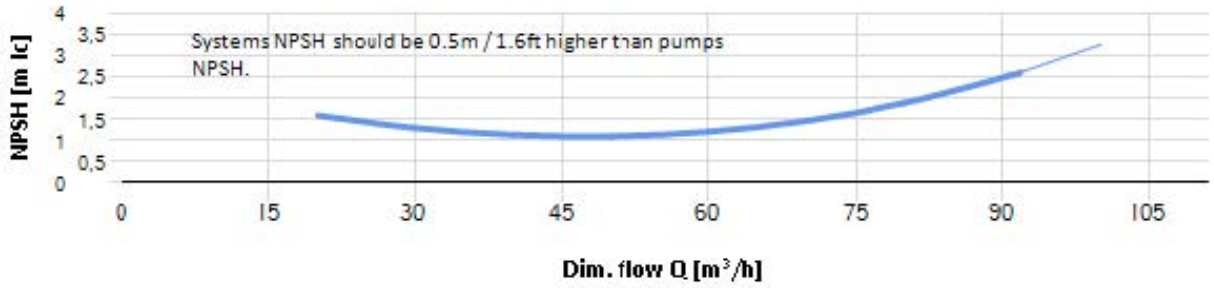
GEA Hilge HYGIA II 80/80/15.0/2 - 50

Hz Performance Curve 11









Fast Track Configuration

Product Numbers

Feature	Execution
Material liquid contact parts	316L (1.4404/1.4435)
Surface roughness liquid contact parts	Ra ≤ 3.2 µm
Impeller	Semi-open
Casing	Clamp ring - KLM
Mechanical seal	Single, inboard mechanical seal with open spring
Design	K - pump in bloc execution with plug-in shaft K-SUPER - pump in bloc execution with plug-in shaft, motor with stainless steel shroud
Foot mounting	on combi foot

Feature	Execution
Motor	up to 2.2 kW 220 - 240 V / 380 - 415 V - 50 Hz from 3.0 kW 380 - 415 V / 690V - 50 Hz Design B5 or B35 ISO class F Efficiency class IE3 IP 55 with PTC thermistors
Colour	RAL 9005
Material Lantern	Stainless Steel CF-8 (1.4308)
Documentation	Operating manual Declaration of CE conformity Pump test report

GEA Hilge HYGIA K

		K **Threads DIN 11851** **on combi foot** **motor B5**				**K-SUPER** **Threads DIN 11851** **stainless steel shroud** **on combi foot** **motor B35**			
HYGIA	Curve	Carbon / stainless steel / EPDM	Carbon / stainless steel / FKM	SiC/SiC/EPDM	SiC/SiC/FKM	Carbon / stainless steel / EPDM	Carbon / stainless steel / FKM	SiC/SiC/EPDM	SiC/SiC/FKM
		Product No.	Product No.	Product No.	Product No.	Product No.	Product No.	Product No.	Product No.
I	1	99025241	99025267	99025279	99025288	99024949	99024964	99024974	99024983
I	2	99025247	99025265	99025281	99025285	99024950	99024963	99024972	99024985
I	3	99025251	99025271	99025274	99025290	99024951	99024965	99024969	99024988
I	4	99025243	99025270	99025278	99025327	99024954	99024966	99024977	99024987
I	5	99025255	99025272	99025280	99025328	99024955	99024967	99024981	99024989
II	6	99025256	99025266	99025276	99025330	99024957	99024971	99024979	99024984
II	7	99025246	99025269	99025289	99025332	99024961	99024976	99024978	99024991
II	8	99025257	99025268	99025283	99025337	99024960	99024973	99024980	99024986
II	9	99025244	99025273	99025282	99026222	99024958	99024968	99024982	99024994
II	10	99025264	99025275	99025286	99025334	99024959	99024975	99024992	99024993
II	11	99025465	99025277	99025284	99025585	99024962	99024970	99024990	99024996

GEA Hilge HYGIA K

		K **Aseptic flanges DIN 11864-2 / DIN 11853-2 for pipe DIN 11866 A (DIN)** **on combi foot** **motor B5**				**K-SUPER** **Aseptic flanges DIN 11864-2 / DIN 11853-2 for pipe DIN 11866 A (DIN)** **stainless steel shroud** **on combi foot** **motor B35**			
HYGIA	Curve	Carbon / stainless steel / EPDM	Carbon / stainless steel / FKM	SiC/SiC/EPDM	SiC/SiC/FKM	Carbon / stainless steel / EPDM	Carbon / stainless steel / FKM	SiC/SiC/EPDM	SiC/SiC/FKM
		Product No.	Product No.	Product No.	Product No.	Product No.	Product No.	Product No.	Product No.
I	1	99025331	99025581	99025774	99025382	99024995	99025008	99025024	99025029
I	2	99025333	99025582	99025376	99025380	99024997	99025010	99025026	99025033
I	3	99025338	99025370	99025777	99025789	99024999	99025012	99025019	99025031
I	4	99025339	99025372	99025378	99025385	99025000	99025007	99025025	99025032
I	5	99025340	99025586	99025379	99025787	99025003	99025011	99025018	99025036
II	6	99025368	99025778	99025775	99025790	99024998	99025009	99025023	99025039
II	7	99025580	99025786	99025779	99025783	99025001	99025013	99025020	99025037
II	8	99025587	99025784	99025776	99025788	99025002	99025015	99025022	99025038
II	9	99025588	99025374	99025384	99025780	99025005	99025014	99025021	99025035
II	10	99025371	99025375	99026243	99025794	99025004	99025016	99025027	99025040
II	11	99025369	99025377	99025381	99025395	99025006	99025017	99025034	99025047

Fast Track Configuration

Product Numbers

Feature	Execution
Material liquid contact parts	316L (1.4404/1.4435)
Surface roughness liquid contact parts	Ra ≤ 3.2 µm
Impeller	Semi-open
Casing	Clamp ring - KLM
Mechanical seal	Single, inboard mechanical seal with open spring
Design	K - pump in bloc execution with plug-in shaft K-SUPER - pump in bloc execution with plug-in shaft, motor with stainless steel shroud
Foot mounting	on combi foot

Feature	Execution
Motor	up to 2.2 kW 220 - 240 V / 380 - 415 V - 50 Hz from 3.0 kW 380 - 415 V / 690V - 50 Hz Design B5 or B35 ISO class F Efficiency class IE3 IP 55 with PTC thermistors
Colour	RAL 9005
Material Lantern	Stainless Steel CF-8 (1.4308)
Documentation	Operating manual Declaration of CE conformity Pump test report

GEA Hilge HYGIA K

		K Threads SMS (international) on combi foot motor B5				K-SUPER Threads SMS (international) stainless steel shroud on combi foot motor B35			
HYGIA	Curve	Carbon / stainless steel / EPDM	Carbon / stainless steel / FKM	SiC/SiC/EPDM	SiC/SiC/FKM	Carbon / stainless steel / EPDM	Carbon / stainless steel / FKM	SiC/SiC/EPDM	SiC/SiC/FKM
		Product No.	Product No.	Product No.	Product No.	Product No.	Product No.	Product No.	Product No.
I	1	99026228	99025405	99025809	99025807	99025044	99025055	99025126	99025141
I	2	99025819	99025402	99025409	99025414	99025042	99025056	99025130	99025140
I	3	99025804	99025795	99025411	99025417	99025046	99025091	99025128	99025143
I	4	99025821	99025403	99025820	99025416	99025041	99025096	99025125	99025150
I	5	99025397	99025811	99025800	99025799	99025048	99025121	99025133	99025148
II	6	99025398	99025810	99025798	99025413	99025043	99025123	99025134	99025145
II	7	99025399	99026221	99026234	99026242	99025045	99025131	99025135	99025147
II	8	99025796	99025406	99025808	99026229	99025049	99025132	99025136	99025149
II	9	99025797	99026227	99026244	99026246	99025052	99025129	99025137	99025144
II	10	99025407	99025805	99025815	99026233	99025051	99025127	99025139	99025152
II	11	99025802	99026223	99025822	99025418	99025050	99025124	99025138	99025151

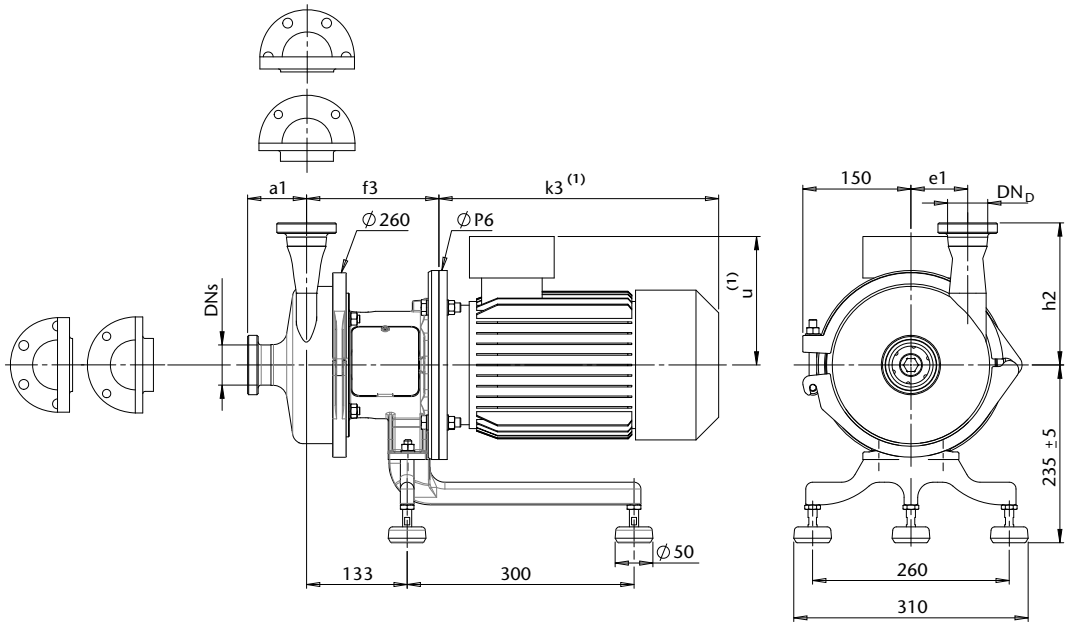
GEA Hilge HYGIA K

		K Threads RJT on combi foot motor B5				K-SUPER Threads RJT stainless steel shroud on combi foot motor B35			
HYGIA	Curve	Carbon / stainless steel / EPDM	Carbon / stainless steel / FKM	SiC/SiC/EPDM	SiC/SiC/FKM	Carbon / stainless steel / EPDM	Carbon / stainless steel / FKM	SiC/SiC/EPDM	SiC/SiC/FKM
		Product No.	Product No.	Product No.	Product No.	Product No.	Product No.	Product No.	Product No.
I	1	99025419	99025425	99025430	99025826	99025146	99025160	99025234	99025238
I	2	99025420	99026238	99025434	99025361	99025153	99025162	99025232	99025240
I	3	99026247	99025426	99025834	99025828	99025155	99025165	99025235	99025259
I	4	99026230	99026231	99025827	99025839	99025158	99025164	99025236	99025245
I	5	99026235	99025806	99025835	99025833	99025157	99025167	99025242	99025239
II	6	99026241	99025429	99025437	99025362	99025154	99025170	99025261	99025262
II	7	99025818	99025432	99025365	99025360	99025156	99025168	99025250	99025260
II	8	99026239	99025825	99025366	99025830	99025159	99025169	99025237	99025258
II	9	99025421	99025433	99025838	99025840	99025166	99025171	99025252	99025253
II	10	99026224	99025431	99025359	99025832	99025161	99025172	99025263	99025254
II	11	99025423	99025435	99025829	99025436	99025163	99025173	99025249	99025248

Technical Data

GEA Hilge HYGIA I K

on combi foot



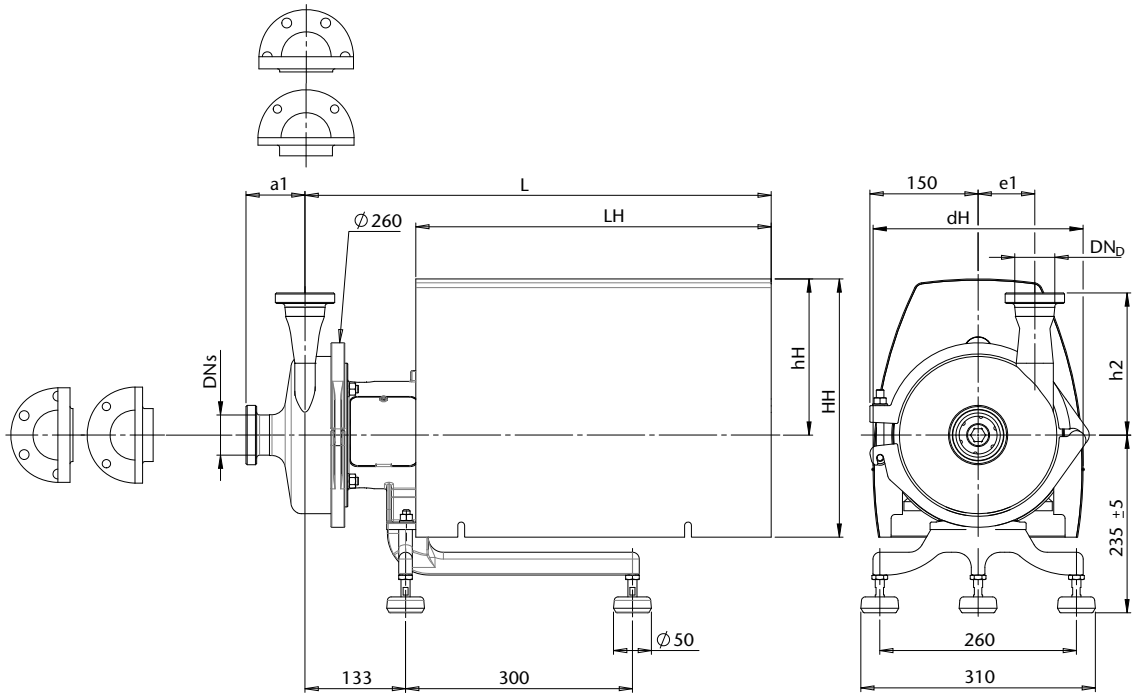
Technical data

P2 [kW]	n [min^{-1}]	IEC-size	k_3 (1) [mm]	u (1) [mm]	f_3 [mm]	p_6 [mm]	Weight [kg]
1.5	2900	90S	340	150	170	200	41.65
2.2	2900	90L	340	150	170	200	44.65
3.0	2900	100L	370	175	175	250	53.95
4.0	2900	112M	380	185	175	250	64.45
5.5	2900	132S	450	205	175	300	86.85

DIN		50/50
OD		2"/2"
Threaded connection DIN 11851 (DIN)	a_1	75
	e_1	75
	h_2	170
Groove-faced flange DIN 11864-2 / DIN 11853-2 Form A - for pipes acc. to DIN 11866 series A	a_1	70.7
	e_1	75
	h_2	180.7
Threaded connection RJT (OD)	a_1	68.5
	e_1	75
	h_2	178.5
Threaded connection SMS international (SMS)	a_1	67
	e_1	75
	h_2	177

GEA Hilge HYGIA I K-SUPER

on combi foot



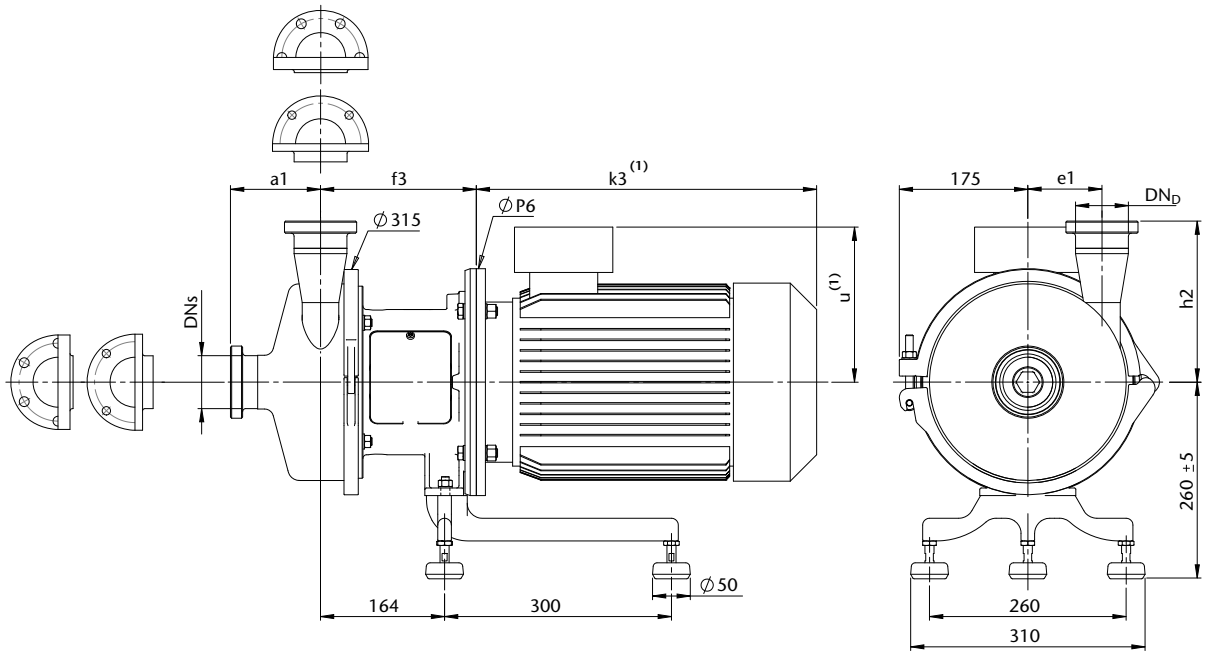
Technical data

P2 [kW]	n [min^{-1}]	IEC-size	L [mm]	L_H [mm]	H_H [mm]	h_H [mm]	d_H [mm]	Weight [kg]
1.5	2900	90S	575	431	292	179	266	48.65
2.2	2900	90L	575	431	292	179	266	51.65
3.0	2900	100L	609	471	382	240	332	62.45
4.0	2900	112M	609	471	382	240	332	70.95
5.5	2900	132S	705	561	382	220	332	98.85

DIN		50/50
OD		2"/2"
Threaded connection DIN 11851 (DIN)	a_1	75
	e_1	75
	h_2	170
Groove-faced flange DIN 11864-2 / DIN 11853-2 Form A - for pipes acc. to DIN 11866 series A	a_1	70.7
	e_1	75
	h_2	180.7
Threaded connection RJT (OD)	a_1	68.5
	e_1	75
	h_2	178.5
Threaded connection SMS international (SMS)	a_1	67
	e_1	75
	h_2	177

GEA Hilge HYGIA II K

on combi foot (size 100-132)



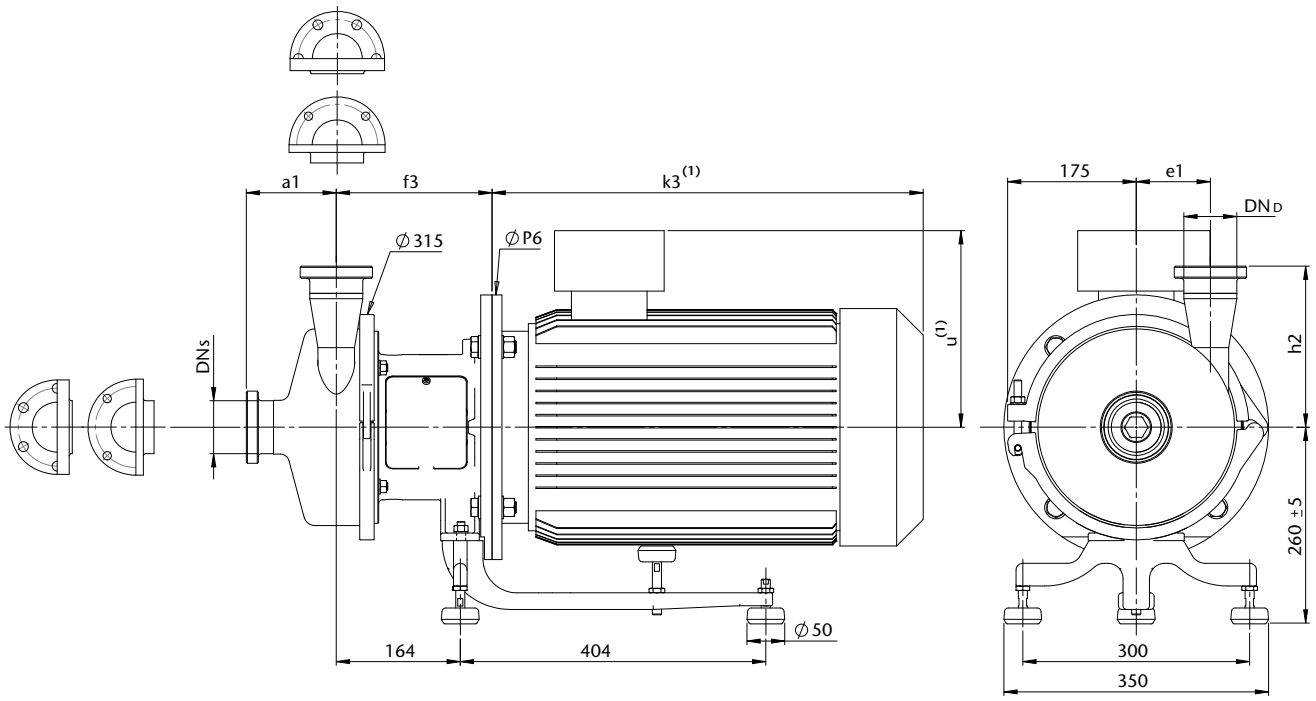
Technical data

P2 [kW]	n [min^{-1}]	IEC-size	k_3 (1) [mm]	u (1) [mm]	f_3 [mm]	p_6 [mm]	Weight [kg
5.5	2900	132S	450	205	206	300	93.7
7.5	2900	132S	450	205	206	300	101.7

DIN OD		65/65 2½"/2½"	80/80 3"/3"
Threaded connection	a_1	116	116
DIN 11851	e_1	98	85.5
(DIN)	h_2	200	200
Groove-faced flange	a_1	106.7	108.7
DIN 11864-2 / DIN 11853-2 Form A -	e_1	98	85.5
for pipes acc. to DIN 11866 series A	h_2	200.7	203.7
Threaded connection	a_1	104.5	104.5
RJT	e_1	98	85.5
(OD)	h_2	208.5	199.5
Threaded connection	a_1	107	107
SMS international	e_1	98	85.5
(SMS)	h_2	211	202

GEA Hilge HYGIA II K

on combi foot (size 160)



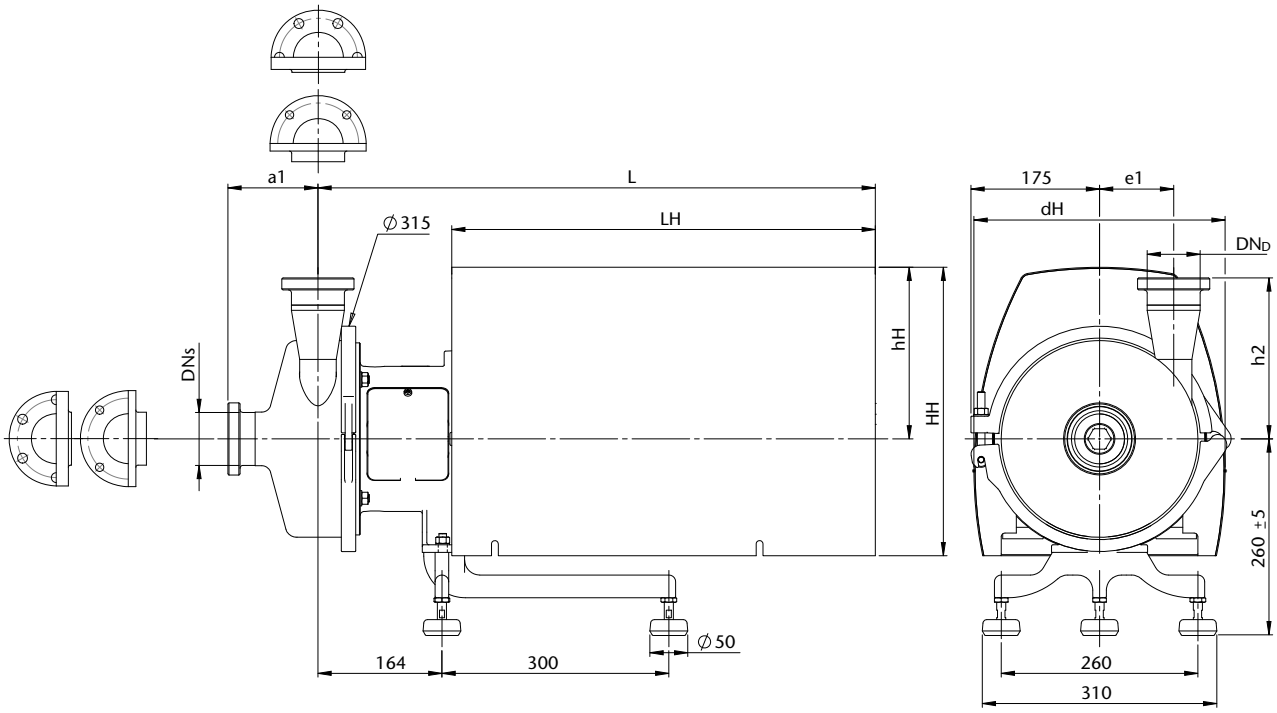
Technical data

P2 [kW]	n [min^{-1}]	IEC-size	k_3 (1) [mm]	u (1) [mm]	f_3 [mm]	p_6 [mm]	Weight [kg
11.0	2900	160M	570	260	206	350	128.8
15.0	2900	160M	570	260	206	350	134.8

DIN OD		65/65 2½"/2½"	80/80 3"/3"
Threaded connection	a_1	116	116
DIN 11851	e_1	98	85.5
(DIN)	h_2	200	200
Groove-faced flange	a_1	106.7	108.7
DIN 11864-2 / DIN 11853-2 Form A -	e_1	98	85.5
for pipes acc. to DIN 11866 series A	h_2	200.7	203.7
Threaded connection	a_1	104.5	104.5
RJT	e_1	98	85.5
(OD)	h_2	208.5	199.5
Threaded connection	a_1	107	107
SMS international	e_1	98	85.5
(SMS)	h_2	211	202

GEA Hilge HYGIA II K-SUPER

on combi foot (size 100-132)



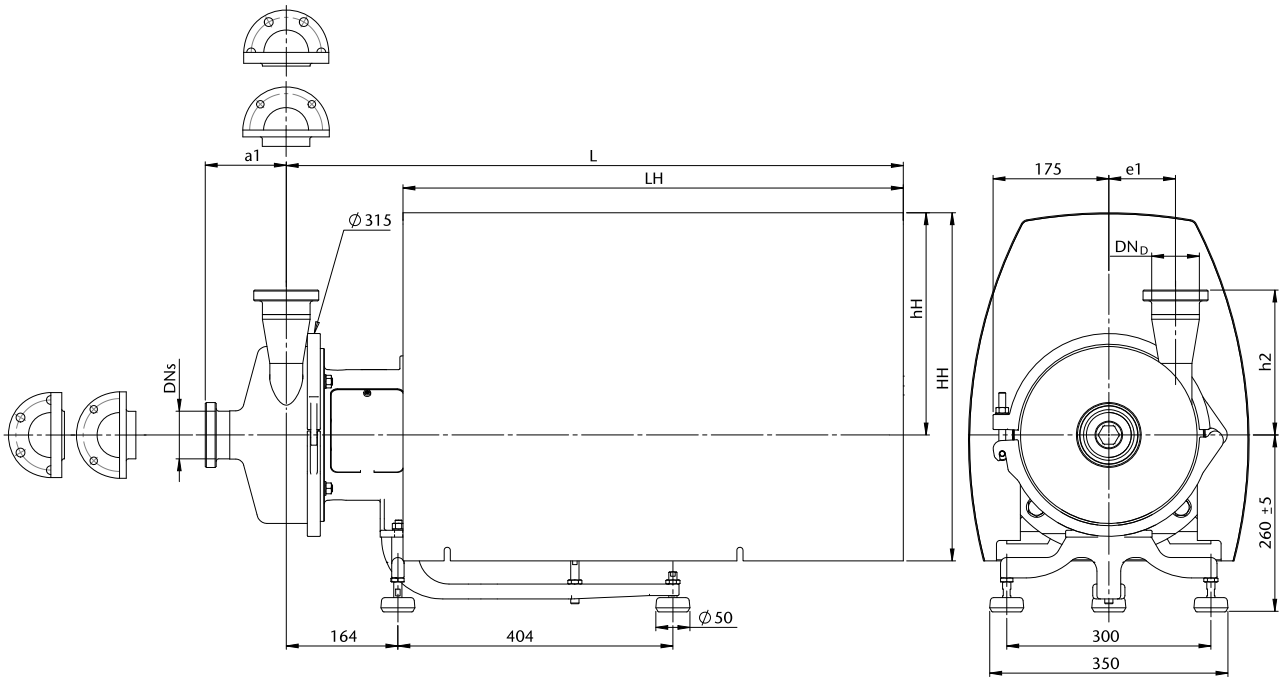
Technical data

P2 [kW]	n [min^{-1}]	IEC-size	L [mm]	L_H [mm]	H_H [mm]	h_H [mm]	d_H [mm]	Weight [kg]
5.5	2900	132S	731.0	561	382	220	332	105.7
7.5	2900	132S	731.0	561	382	220	332	113.7

DIN OD		65/65 2½"/2½"	80/80 3"/3"
Threaded connection	a_1	116	116
DIN 11851	e_1	98	85.5
(DIN)	h_2	200	200
Groove-faced flange	a_1	106.7	108.7
DIN 11864-2 / DIN 11853-2 Form A -	e_1	98	85.5
for pipes acc. to DIN 11866 series A	h_2	200.7	203.7
Threaded connection	a_1	104.5	104.5
RJT	e_1	98	85.5
(OD)	h_2	208.5	199.5
Threaded connection	a_1	107	107
SMS international	e_1	98	85.5
(SMS)	h_2	211	202

GEA Hilge HYGIA II K-SUPER

on combi foot (size 160)



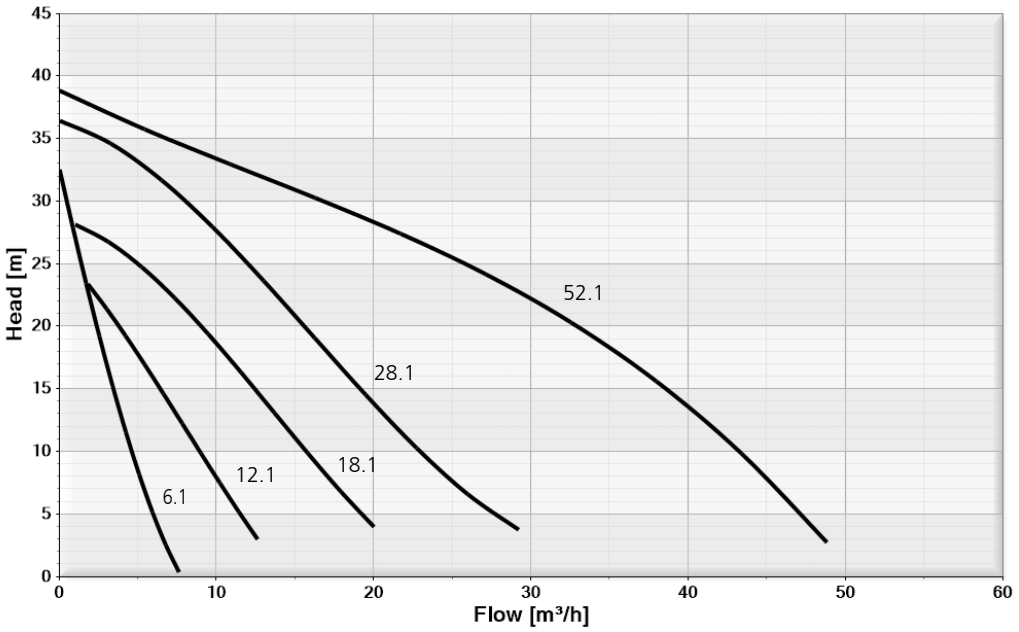
Technical data

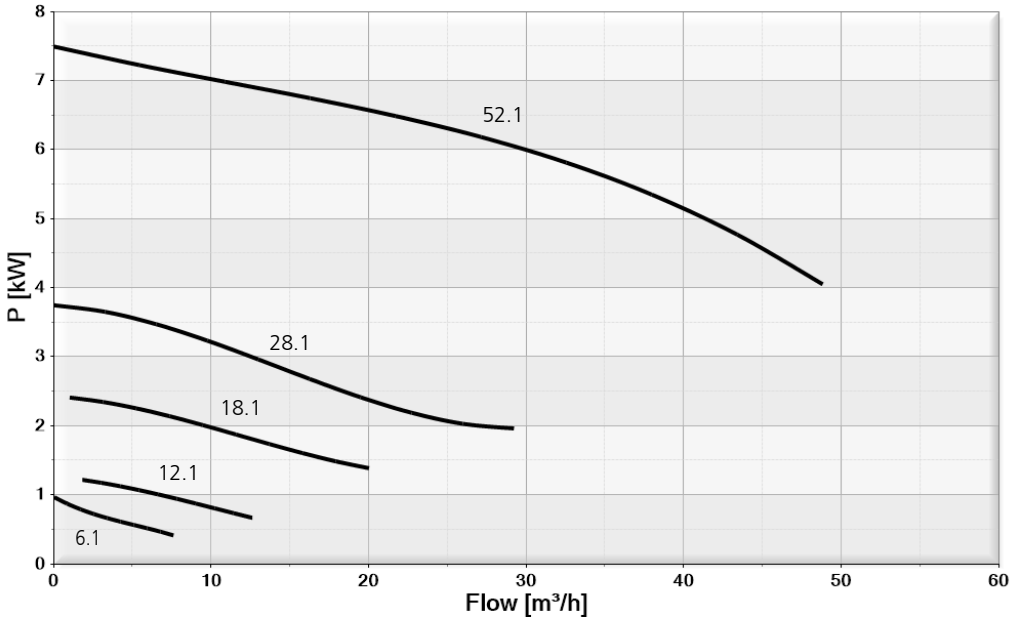
P2 [kW]	n [min^{-1}]	IEC-size	L [mm]	L_H [mm]	H_H [mm]	h_H [mm]	d_H [mm]	Weight [kg]
11.0	2900	160M	906.0	736	512	322	413	146.2
15.0	2900	160M	906.0	736	512	322	413	152.2

Dimensions depend on the casing size (DN_S, DN_D, a_1, h_2, e_1).
See connection dimensions on page 20.

Performance Range

GEA Hilge SIPLA Bloc





SIPLA	Motor			Connection
	[rpm]	Size	[kW]	DIN
6.1	1.450	100L	1,5	40/40
12.1	1.450	100L	1,5	40/40
18.1	1.450	100L	3,0	50/50
28.1	1.450	112M	4,0	65/65
52.1	1.450	132M	7,5	65/65

Fast Track Configuration

Product Numbers

Feature	Execution
Material liquid contact parts	316L (1.4404/1.4435)
Surface roughness liquid contact parts	Ra ≤ 3.2 µm
Impeller	Star
Mechanical seal	Encapsulated single, inboard mechanical seal
Material Lantern	Stainless Steel CF-8 (1.4308)

Feature	Execution
Motor	up to 2.2 kW 220 - 240 V / 380 - 415 V - 50 Hz from 3.0 kW 380 - 415 V / 690V - 50 Hz Design B5 or B35 ISO class F Efficiency class IE3 IP 55 with PTC thermistors
Colour	RAL 9005
Documentation	Operating manual Declaration of CE conformity Pump test report

GEA Hilge SIPLA Bloc

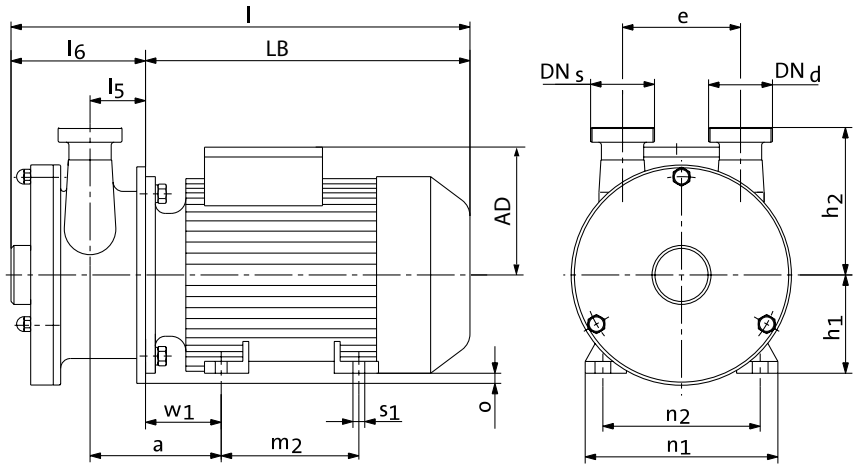
	Threads DIN 11851 on motor foot motor B35			
SIPLA	Carbon / stainless steel / EPDM	Carbon / stainless steel / FKM	SiC / SiC / EPDM	SiC / SiC / FKM
	Product No.	Product No.	Product No.	Product No.
6.1	344-007954	344-006931	344-007964	344-008150
12.1	344-007955	344-008141	344-007965	344-008151
18.1	344-007956	344-008142	344-007966	344-008152
28.1	344-007957	344-008143	344-007967	344-008153
52.1	344-007958	344-008144	344-007968	344-008154

GEA Hilge SIPLA Bloc-SUPER

	Threads DIN 11851 on combi foot motor B5			
SIPLA	Carbon / stainless steel / EPDM	Carbon / stainless steel / FKM	SiC / SiC / EPDM	SiC / SiC / FKM
	Product No.	Product No.	Product No.	Product No.
6.1	344-007959	344-008145	344-007969	344-008155
12.1	344-007960	344-008146	344-007970	344-008156
18.1	344-007961	344-008147	344-007971	344-008157
28.1	344-007962	344-008148	344-007972	344-008158
52.1	344-007963	344-008149	344-007973	344-008159

GEA Hilge SIPLA Bloc

on motor foot

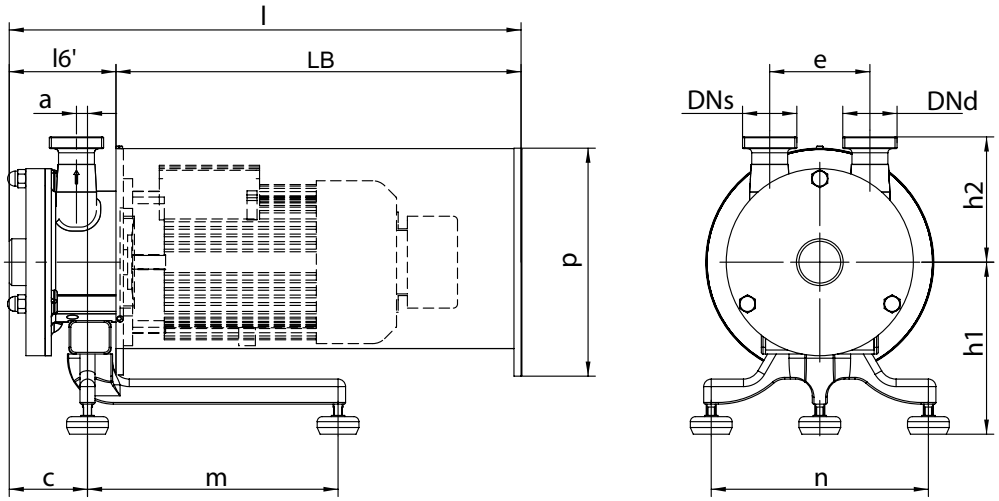


4-pole

Pump type	P2 [kW]	IEC-size	DNs/ DNd	a [mm]	l [mm]	o [mm]	h_2 [mm]	e [mm]	l_5 [mm]	l_6 [mm]	h_1 [mm]	LB [mm]	m_2 [mm]	n_1 [mm]	n_2 [mm]	s_1 [mm]	w_1 [mm]	AD [mm]
6.1/12.1	1.5	100L	40	135	443	10	150	120	57	137	100	306	140	192	160	12.0	78	154
18.1	3.0	100L	50	116	495	35	170	170	53	158	100	337	140	192	160	12.0	63	154
28.1	4.0	112M	65	125	493	23	170	170	55	165	112	328	140	220	190	12.0	70	171
52.1	7.5	132M	65	145	583	28	200	170	56	178	132	405	404	256	216	12.0	89	194

GEA Hilge SIPLA Bloc-SUPER

on combi foot



4-pole

Pump type	P2 [kW]	IEC-size	DNs/ DNd	h_1 [mm]	h_2 [mm]	l [mm]	n [mm]	m [mm]	e [mm]	l_6 [mm]	a [mm]	c [mm]	P [mm]	LB [mm]
6.1/12.1	1.5	100L	40	208	150	607	260	300	120	127	13	94	270	550
18.1	3.0	100L	50	223	170	667	260	300	170	147	10	115	270	550
28.1	4.0	112M	65	223	170	674	260	300	170	154	13	122	270	550
52.1	7.5	132M	65	223	200	768	260	300	170	168	14	136	320	640

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a better world

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