hydroo®

VKF, VKX
VKN
VDROO Series

Immersion type multistage
centrifugal pump
50Hz

hydroo®

HYDROO is present in all the European markets by means of a distribution network focused on the service and the valuation of the pumping business. HYDROO conceives, researches, develops, designs, industrializes, and manufactures a wide range of pumping solutions for the most demanding applications in industrial markets, irrigation, water supply and water treatment as well as in residential and commercial buildings. The values of operational excellence, experience, reliability, and passion for a well-done job guide the daily work of the Hydroo team together with our partners and distributors. The global challenges of water management require excellence in pumping technologies and a join effort between designers, manufacturers, and pumping engineers. To meet the needs of the market in the more demanding installations Hydroo is firmly committed to manufacturing the best pumping equipment on the market following and sharing our values worldwide.

The Hydroo values are presented in 5 great concepts that we summarize in our motto Hy5, which are our principles and commitments:

BE PUMPING PARTNERS

Sant Llorenç de la Muga
(Alt Empordà county, Catalonia)

Sant Llorenç de la Muga is middle age village built in the Muga valley, remaining the rests of the wall, different bridges as well as an impressive architectural ensemble keeping still nowadays the charm of the stone as a raw material for construction.

Coordinates:
Longitude: 2.78890
Latitude: 42.32069

hy5

hylite

Contribution to preservation of the environment and to sustainability. We reduce the environmental impact and footprint of carbon. We contribute to the development of the circular economy. Our team stand out for the highest standards of energy efficiency.

hy5

hymotion

Value proposal based on the reliability of products enhancing the quality, the development of efficient supply chains, the productivity with the love of craftsmen at every step of the manufacturing and production lines. We move with the commitment to improve pumping systems, make them more efficient, more reliable, more digitized, more at the service of the human development.

hy5

hyficient

The use of the most advanced analytical, development and simulation tools allows us to optimize our R&D teamwork results. We maximize the study of materials, efficient hydraulics, mechanical improvements and the optimization of our motors up to 200 kW. The results are robust, reliable, flexible, adjustable, multipurpose, and user-friendly pumping equipment.

hy5

hynovative

Commitment to implementation of the innovation process as strategic pilar of the company. Transfer new ideas to realities that evolve pumping industry and internalize the process in each job position to offer market improvements.

hy5

hyliance

We are the factory of our customers. Without solution of continuity between the value chain starting in the components production plants and ending with amortization of the pumping equipment operating at full performance for years and giving satisfaction to distributors, project engineers and pumping systems managers. We make real our catchphrase **Be Pumping Partners**.

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VKF
VKX
VKN

Immersion type multistage centrifugal pump

Description

Non self-priming immersion multistage centrifugal pumps made in Stainless Steel. Standard totally enclosed, fan cooled, insulation class F, IP 55 motors. Single phase motors up to 2,2 kW.

Flexible installation length to meet the requirements of installation depth of the water tank or vessel, by means of cavity bodies.

Standard version can be used for conveying water, cooling water solutions and cutting lubricating liquids. Versions for hot water up to 120 ºC are also available on request.

Performance range

Flow: Q up to 540 m³/h
Head: H up to 450 m
Temperature: T up to 50 °C
Speed: n 2900 rpm or 3500 rpm
Power: P up to 350 kW

Standard material

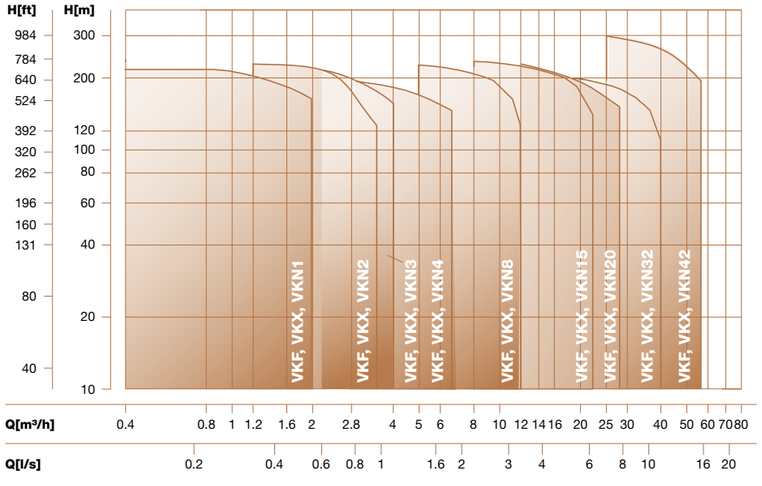
Cast iron, stainless steel 304 or Stainless steel 316 on request.

Applications

- **Machine tools cooling systems**
- **Industrial washing systems**
- **Chiller units**
- **Industrial filtration systems**
- **Other industrial applications**

Performance scope

50Hz



2950 rpm 50 Hz. ISO9906:2012 Grade 3B.

Pump

VKF, VKX, VKN is non-self priming multi-stage centrifugal pump installed with standard motor. The motor shaft is directly connected with the pump shaft through coupling. According to the requirement, the pump can be equipped with intelligent protector, which effectively protects pump from dry rotation, phase lack, overload etc. In order to meet the requirement of installation depth of the water tank or vessel, it is possible to install cavity body for changing length of the pump. Length for different number of stages is shown in the dimensions & weight table and the table of products supply scope.

Motor

– The motor is fully-sealed, air-cooling standard motor 2 poles.

– Protection class: IP55

– Insulation class: F

– Standard voltage:
1x220-230/240V
3x220-240/380-415V
3x400-690V

– Motors for other voltages can be supplied on request.

– Single phase motors with 0.37-2.2kW are available.

Application

VKF, VKX, VKN is used for conveying cooling liquid, lubricating liquid and condensation water of machine tools, industrial cleaning equipment or other cases that application of immerged pump is suitable, and is applicable to various temperature, flow and pressure ranges. CDLKF is applicable to low-corrosive liquid.

Concretely, it is applicable to electric spark, lathe, grinding machine, processing center, cooling devices, industrial cleaning equipment, filtering system etc.

Operation conditions

Thin, clean non-explosive liquid without solid grains and fibers; can be used for conveying of water, cooling water solution and cutting lubricating liquid.

Liquid temperature:
Normal temperature type: -15 ºC~+70 ºC
Warm water type: -15 ºC~+120 ºC

Performance curves

– 1. All curves are based on measured values of 50Hz: constant motor speed 2900 r/min.

– 2. The allowable tolerance of the curve complies with ISO9906:2012 Grade 3B.

– 3. For measurement, air-free water with temperature 20 °C and kinematical viscosity 1 mm²/s.

– 4. The pump application is in reference to performance scope of heavy line to prevent overheating due to too low flow and motor overload due to too high flow rate etc.

Product range

Description	VK-1	-2	-3	-4	-8	-15	-20	-32	-42
Rated flow [m³/h]	1	2	3	4	8	15	20	32	42
Rated flow [l/s]	0.28	0.56	0.83	1.1	2.2	4.17	5.6	8.9	11.7
Flow range [m³/h]	0.4~2	1~3.5	1.2~4	1.5~7	5~12	8~22	10~28	16~40	25~55
Flow range [l/s]	0.11~0.56	0.28~0.97	0.33~1.1	0.42~1.9	1.4~3.3	2.2~6.1	2.8~7.8	4.4~11.1	6.9~15.3
Max. pressure [bar]	21	23	22	21	21	22	23	26	30
Motor power [kW]	0.37~2.2	0.37~3	0.37~3	0.37~4	0.75~7.5	2.2~15	2.2~18.5	1.5~30	3~45
Temp. [ºC]	-15 ~ +120								
Max. efficiency [%]	44	46	54	57	62	70	69	73	75

Definition of model

VKF, VKX, VKN 1, 2, 3, 4, 8, 15, 20, 32, 42

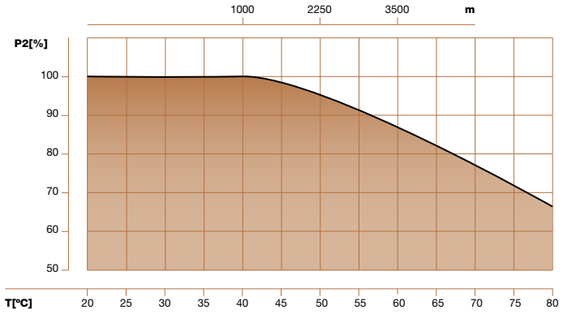
Hydraulic part description | Motor description

VK	F	32	-	100	/	10	-	2		30	T	2244	5	2	IE3

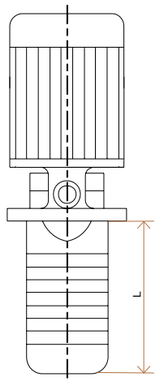
- IE3: Motor efficiency (According IEC60034)
- 2: Number of poles
- 5: 50 Hz; 6: 60 Hz
- 2244: Rated voltage (x10) (V)
- T: S: Single phase; T: Three phases
- 30: Power P2 (kW)
- (blank): Normal temperature omitted; R: High temperature version
- 2: Number of small impeller (only if applicable)
- 10: Number of impellers
- 100: Number of stages x 10
- 32: Rated flow (m³/h)
- F: F: Cast iron version; X: SS304 wet parts; N: SS316 wet parts
- VK: Immersion type multistage centrifugal pump

Max. Ambient temperature

When the pump operates under ambient temperature higher than 40 ºC or at altitudes higher than 1000 m, because of low air density and poor cooling effects, the motor output power P2 will be decreased to certain extent. If the pump is operated under the above-said conditions, it should be equipped with an oversized motor.

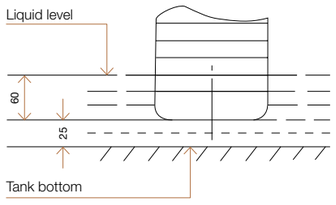


Installation sketch

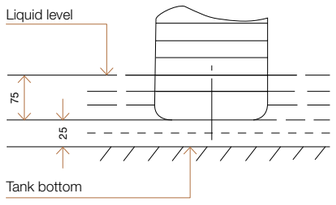


Installation of pump

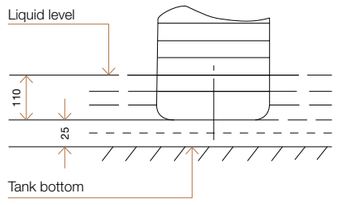
VKF,VKX,VKN 1,2,3,4



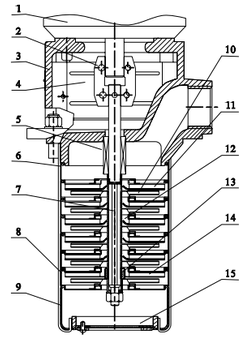
VKF,VKX,VKN 8,15,20



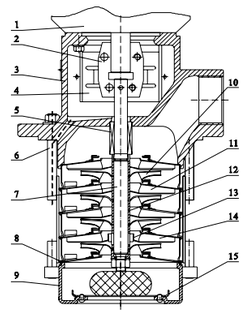
VKF,VKX,VKN 32,42



Sectional drawing VKF,VKX,VKN 1,2,3,4,8,15,20



VKF

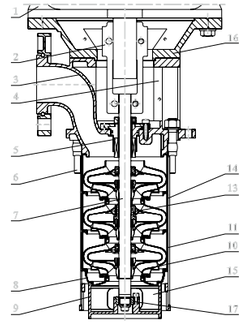


VKX, VKN

Material VKF,VKX,VKN 1,2,3,4,8,15,20

Nº	Name	Material	AISI /ASTM
1	Motor		
2	Coupling	Carbon steel	
4	Coupling guard	Stainless steel	AISI304/ AISI316
5	Mechanical seal		
6	Straps	Stainless steel	AISI304/ AISI316
7	Shaft	Stainless steel	AISI316
8	Inducer	Stainless steel	AISI304/ AISI316
9	Suction head	Stainless steel	AISI304/ AISI316
10	Impeller	Stainless steel	AISI304/ AISI316
11	Diffuser	Stainless steel	AISI304/ AISI316
12	Impeller sleeve	Stainless steel	AISI304/ AISI316
13	Bearing	Tungsten carbide	
14	Support diffuser	Stainless steel	AISI304/ AISI316
15	Strainer	Stainless steel	AISI304/ AISI316
VKF			
3	Pump head	Cast iron	ASTM25B
VKX, VKN			
3	Pump head	Stainless steel	AISI304/ AISI316

Sectional drawing VKF,VKX,VKN 32,42



Material VKF,VKX,VKN 32, 42

Nº	Name	Material	AISI /ASTM
1	Motor		
2	Coupling	Carbon steel	
4	Coupling guard	Stainless steel	AISI304/ AISI316
5	Mechanical seal		
6	Straps	Stainless steel	AISI304/ AISI316
7	Shaft	Stainless steel	AISI316/AISI304/AISI431
8	Inducer	Stainless steel	AISI304/ AISI316
9	Suction head	Stainless steel	AISI304/ AISI316
10	Impeller	Stainless steel	AISI304/ AISI316
11	Diffuser	Stainless steel	AISI304/ AISI316
13	Bearing	Tungsten carbide	
14	Support diffuser	Stainless steel	AISI304/ AISI316
15	Strainer	Stainless steel	AISI304/ AISI316
16	Crossover flange	Cast iron	ASTM25B
17	Bottom bearing	Tungsten carbide	
VKF			
3	Pump head	Cast iron	ASTM25B
VKX, VKN			
3	Pump head	Stainless steel	AISI304/ AISI316

Scope of available products

VKF,VKX,VKN1 50Hz

Stages	Number of cavities x10	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25	27	30	33	36	L (mm)
20	2	●																						123
30	3	○	●																					141
40	4	○	○	●																				159
50	5	○	○	○	●																			177
60	6	○	○	○	○	●																		195
70	7	○	○	○	○	○	●																	213
80	8	○	○	○	○	○	○	●																231
90	9	○	○	○	○	○	○	○	●															249
100	10	○	○	○	○	○	○	○	○	●														267
110	11	○	○	○	○	○	○	○	○	○	●													285
120	12	○	○	○	○	○	○	○	○	○	○	●												303
130	13	○	○	○	○	○	○	○	○	○	○	○	●											321
150	15	○	○	○	○	○	○	○	○	○	○	○	○	●										357
170	17	○	○	○	○	○	○	○	○	○	○	○	○	○	●									393
190	19	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●								429
210	21	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●							465
230	23	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●						501
250	25	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●					537
270	27	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●				573
300	30	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●			627
330	33	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●		681
360	36	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	735
P2 (kW)		0.37			0.55			0.75			1.1			1.5			2.2							

VKF,VKX,VKN2 50Hz

Stages	Number of cavities x10	2	3	4	5	6	7	9	11	13	15	18	22	26	L (mm)
20	2	●													123
30	3	○	●												141
40	4	○	○	●											159
50	5	○	○	○	●										177
60	6	○	○	○	○	●									195
70	7	○	○	○	○	○	●								213
90	9	○	○	○	○	○	○	●							249
110	11	○	○	○	○	○	○	○	●						285
130	13	○	○	○	○	○	○	○	○	●					321
150	15	○	○	○	○	○	○	○	○	○	●				357
180	18	○	○	○	○	○	○	○	○	○	○	●			411
220	22	○	○	○	○	○	○	○	○	○	○	○	●		483
260	26	○	○	○	○	○	○	○	○	○	○	○	○	●	555
P2 (kW)		0.37		0.55		0.75		1.1		1.5		1.5		3	

E.g.: pump model: CDLK2-260/5

VKF,VKX,VKN3 50Hz

Stages	Number of cavities x10	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25	27	29	31	33	36	L (mm))
20	2	●																							123
30	3	○	●																						141
40	4	○	○	●																					159
50	5	○	○	○	●																				177
60	6	○	○	○	○	●																			195
70	7	○	○	○	○	○	●																		213
80	8	○	○	○	○	○	○	●																	231
90	9	○	○	○	○	○	○	○	●																249
100	10	○	○	○	○	○	○	○	○	●															267
110	11	○	○	○	○	○	○	○	○	○	●														285
120	12	○	○	○	○	○	○	○	○	○	○	●													303
130	13	○	○	○	○	○	○	○	○	○	○	○	●												321
150	15	○	○	○	○	○	○	○	○	○	○	○	○	●											357
170	17	○	○	○	○	○	○	○	○	○	○	○	○	○	●										393
190	19	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●									429
210	21	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●								465
230	23	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●							501
250	25	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●						537
270	27	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●					573
290	29	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●				609
310	31	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●			645
330	33	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●		681
360	36	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	735
P2 (kW)		0.37			0.55			0.75			1.1			1.5			2.2							

VKF,VKX,VKN4 50Hz

Stages	Number of cavities x10	2	3	4	5	6	7	8	10	12	14	16	19	22	L (mm)
20	2	●													148
30	3	○	●												175
40	4	○	○	●											202
50	5	○	○	○	●										229
60	6	○	○	○	○	●									256
70	7	○	○	○	○	○	●								283
80	8	○	○	○	○	○	○	●							310
100	10	○	○	○	○	○	○	○	●						364
120	12	○	○	○	○	○	○	○	○	●					418
140	14	○	○	○	○	○	○	○	○	○	●				472
160	16	○	○	○	○	○	○	○	○	○	○	●			526
190	19	○	○	○	○	○	○	○	○	○	○	○	●		607
220	22	○	○	○	○	○	○	○	○	○	○	○	○	●	688
P2 (kW)		0.37	0.55	0.75		1.1		1.5		2.2		3		4	

● Basic Type
○ Available on request

Scope of available products

VKF,VKX,VKN8 50Hz

Stages	Number of cavities x10	2	3	4	5	6	8	10	12	14	16	18	20	L (mm)
20	2	●												150
30	3	○	●											180
40	4	○	○	●										210
50	5	○	○	○	●									240
60	6	○	○	○	○	●								270
80	8	○	○	○	○	○	●							330
100	10	○	○	○	○	○	○	●						390
120	12	○	○	○	○	○	○	○	●					450
140	14	○	○	○	○	○	○	○	○	●				510
160	16	○	○	○	○	○	○	○	○	○	●			570
180	18	○	○	○	○	○	○	○	○	○	○	●		630
200	20	○	○	○	○	○	○	○	○	○	○	○	●	690
P2 (kW)		0.75	1.1	1.5	2.2	3	4		5.5			7.5		

VKF,VKX,VKN15 50Hz

Stages	Number of cavities x10	2	3	4	5	6	8	10	12	14	16	18	20	L (mm)
20	2	●												171
30	3	○	●											216
40	4	○	○	●										261
50	5	○	○	○	●									306
60	6	○	○	○	○	●								351
70	7	○	○	○	○	○	●							396
80	8	○	○	○	○	○	○	●						441
90	9	○	○	○	○	○	○	○	●					486
100	10	○	○	○	○	○	○	○	○	●				531
120	12	○	○	○	○	○	○	○	○	○	●			621
140	14	○	○	○	○	○	○	○	○	○	○	●		711
170	17	○	○	○	○	○	○	○	○	○	○	○	●	846
P2 (kW)		2.2	3.0	4.0		5.5		7.5			11		15	

P. e.: Model VK15-170/4

VKF,VKX,VKN20 50Hz

Stages	Number of cavities x10	2	3	4	5	6	7	8	10	12	14	17	L (mm)
20	2	●											180
30	3	○	●										225
40	4	○	○	●									270
50	5	○	○	○	●								315
60	6	○	○	○	○	●							360
70	7	○	○	○	○	○	●						405
80	8	○	○	○	○	○	○	●					450
100	10	○	○	○	○	○	○	○	●				540
120	12	○	○	○	○	○	○	○	○	●			630
140	14	○	○	○	○	○	○	○	○	○	●		720
170	17	○	○	○	○	○	○	○	○	○	○	●	855
P2 (kW)		2.2	3	5.5		7.5		11		15		18.5	

VKF,VKX,VKN32 50Hz

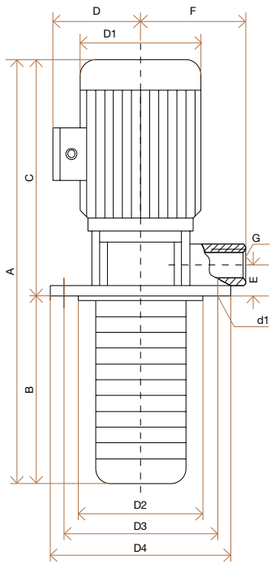
Stages	Number of cavities x10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	L (mm)
10	1	●														186
20	2	○	●													256
30	3	○	○	●												326
40	4	○	○	○	●											396
50	5	○	○	○	○	●										466
60	6	○	○	○	○	○	●									536
70	7	○	○	○	○	○	○	●								606
80	8	○	○	○	○	○	○	○	●							676
90	9	○	○	○	○	○	○	○	○	●						746
100	10	○	○	○	○	○	○	○	○	○	●					816
110	11	○	○	○	○	○	○	○	○	○	○	●				886
120	12	○	○	○	○	○	○	○	○	○	○	○	●			956
130	13	○	○	○	○	○	○	○	○	○	○	○	○	●		1026
140	14	○	○	○	○	○	○	○	○	○	○	○	○	○	●	1096

VKF,VKX,VKN42 50Hz

Stages	Number of cavities x10	1	2	3	4	5	6	7	8	9	10	11	12	13	L (mm)
10	1	●													198
20	2	○	●												278
30	3	○	○	●											358
40	4	○	○	○	●										438
50	5	○	○	○	○	●									518
60	6	○	○	○	○	○	●								598
70	7	○	○	○	○	○	○	●							678
80	8	○	○	○	○	○	○	○	●						758
90	9	○	○	○	○	○	○	○	○	●					838
100	10	○	○	○	○	○	○	○	○	○	●				918
110	11	○	○	○	○	○	○	○	○	○	○	●			998
120	12	○	○	○	○	○	○	○	○	○	○	○	●		1078
130	13	○	○	○	○	○	○	○	○	○	○	○	○	●	1158

VKF,VKX,VKN1

Installation sketch



Size and weight

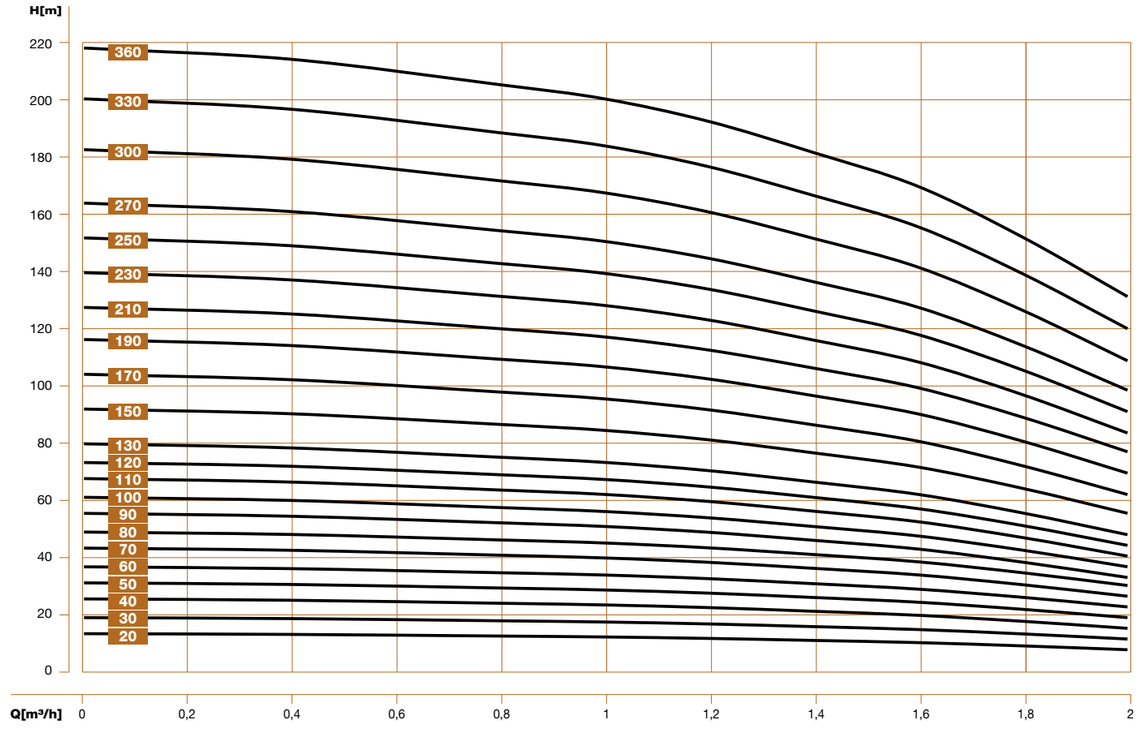
Model	A	B	C	D	D1	D2	D3	D4	E	F	d1	G	Kg
	mm												
VKF, VKX, VKN1-20/2	453	123	330	117	148	140	160	180	34	100	7,5	1 " 1/4	16
VKF, VKX, VKN1-30/3	471	141	330	117	148	140	160	180	34	100	7,5	1 " 1/4	16
VKF, VKX, VKN1-40/4	489	159	330	117	148	140	160	180	34	100	7,5	1 " 1/4	16
VKF, VKX, VKN1-50/5	507	177	330	117	148	140	160	180	34	100	7,5	1 " 1/4	16
VKF, VKX, VKN1-60/6	525	195	330	117	148	140	160	180	34	100	7,5	1 " 1/4	16
VKF, VKX, VKN1-70/7	543	213	330	117	148	140	160	180	34	100	7,5	1 " 1/4	16
VKF, VKX, VKN1-80/8	561	231	330	117	148	140	160	180	34	100	7,5	1 " 1/4	17
VKF, VKX, VKN1-90/9	579	249	330	117	148	140	160	180	34	100	7,5	1 " 1/4	17
VKF, VKX, VKN1-100/10	597	267	330	117	148	140	160	180	34	100	7,5	1 " 1/4	17
VKF, VKX, VKN1-110/11	615	285	330	117	148	140	160	180	34	100	7,5	1 " 1/4	17
VKF, VKX, VKN1-120/12	661	303	358	142	170	140	160	180	34	100	7,5	1 " 1/4	20
VKF, VKX, VKN1-130/13	679	321	358	142	170	140	160	180	34	100	7,5	1 " 1/4	20
VKF, VKX, VKN1-150/15	715	357	358	142	170	140	160	180	34	100	7,5	1 " 1/4	20
VKF, VKX, VKN1-170/17	751	393	358	142	170	140	160	180	34	100	7,5	1 " 1/4	22
VKF, VKX, VKN1-190/19	787	429	358	142	170	140	160	180	34	100	7,5	1 " 1/4	22
VKF, VKX, VKN1-210/21	823	465	358	142	170	140	160	180	34	100	7,5	1 " 1/4	23
VKF, VKX, VKN1-230/23	859	501	358	142	170	140	160	180	34	100	7,5	1 " 1/4	23
VKF, VKX, VKN1-250/25	950	537	413	155	190	140	160	180	34	100	7,5	1 " 1/4	30
VKF, VKX, VKN1-270/27	986	573	413	155	190	140	160	180	34	100	7,5	1 " 1/4	30
VKF, VKX, VKN1-300/30	1040	627	413	155	190	140	160	180	34	100	7,5	1 " 1/4	31
VKF, VKX, VKN1-330/33	1094	681	413	155	190	140	160	180	34	100	7,5	1 " 1/4	34
VKF, VKX, VKN1-360/36	1148	735	413	155	190	140	160	180	34	100	7,5	1 " 1/4	35

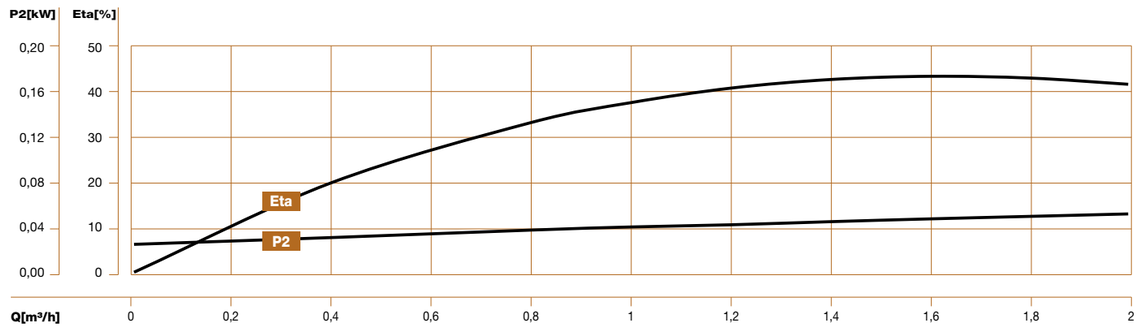
Performance table

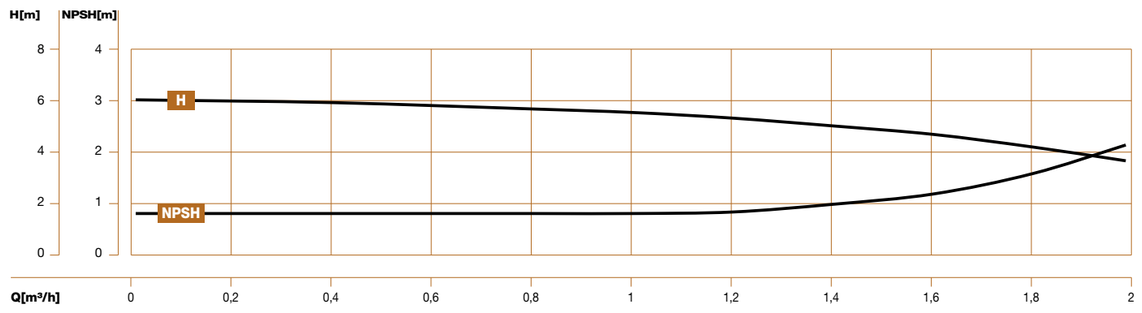
Model	I (A)		P2		Q	0	0.8	1	1.2	1.4	1.6	1.8	2
	3~230V	3~400V	kW	HP	m^3/h								
VKF, VKX, VKN-1-20/2	1,7	1	0,37	0,5		13	12	11.5	11	10.5	10	9.5	9
VKF, VKX, VKN-1-30/3	1,7	1	0,37	0,5		19	17.5	17	16.5	16	15	14	12
VKF, VKX, VKN-1-40/4	1,7	1	0,37	0,5		24	23	22.5	21.5	21	19	18	16
VKF, VKX, VKN-1-50/5	1,7	1	0,37	0,5		30	29	28	27	26	24	22	20
VKF, VKX, VKN-1-60/6	1,7	1	0,37	0,5		36	35	33.5	33	31	28	26	23
VKF, VKX, VKN-1-70/7	1,7	1	0,37	0,5		42	40.5	39	38	36	33	30	27
VKF, VKX, VKN-1-80/8	2,4	1,4	0,55	0,75		48	46	45	43	41	38	34	30
VKF, VKX, VKN-1-90/9	2,4	1,4	0,55	0,75		54	52	51	49	46	43	39	33
VKF, VKX, VKN-1-100/10	2,4	1,4	0,55	0,75		60	58	57	54	51	48	43	36
VKF, VKX, VKN-1-110/11	2,4	1,4	0,55	0,75		66	63	61	59	56	52	47	40
VKF, VKX, VKN-1-120/12	3,1	1,8	0,75	1		72	69	67	64	61	57	51	44
VKF, VKX, VKN-1-130/13	3,1	1,8	0,75	1	mca	78	75	73	69	66	62	55	47
VKF, VKX, VKN-1-150/15	3,1	1,8	0,75	1		89	86	84	79	76	71	63	55
VKF, VKX, VKN-1-170/17	4,4	2,5	1,1	1,5		101	97	95	89	86	80	71	62
VKF, VKX, VKN-1-190/19	4,4	2,5	1,1	1,5		113	108	106	99	96	89	79	69
VKF, VKX, VKN-1-210/21	4,4	2,5	1,1	1,5		124	120	117	110	106	98	87	75
VKF, VKX, VKN-1-230/23	4,4	2,5	1,1	1,5		137	131	128	121	116	107	96	82
VKF, VKX, VKN-1-250/25	5,8	3,3	1,5	2		149	143	139	131	126	116	104	89
VKF, VKX, VKN-1-270/27	5,8	3,3	1,5	2		161	155	150	141	136	125	112	95
VKF, VKX, VKN-1-300/30	5,8	3,3	1,5	2		178	171	166	157	150	139	124	106
VKF, VKX, VKN-1-330/33	8,2	4,7	2,2	3		196	188	183	173	165	154	137	118
VKF, VKX, VKN-1-360/36	8,2	4,7	2,2	3		214	205	200	190	181	169	151	130

Performance curve ISO9906:2012 Grade 3B

VKF,VKX,VKN1 50Hz

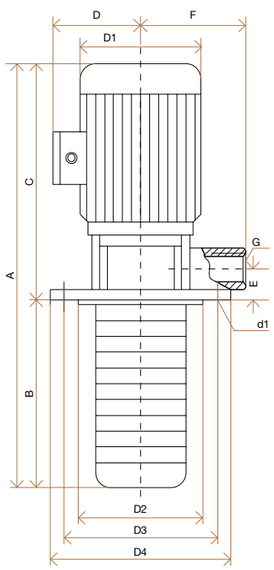






VKF,VKX,VKN2

Installation sketch



Size and weight

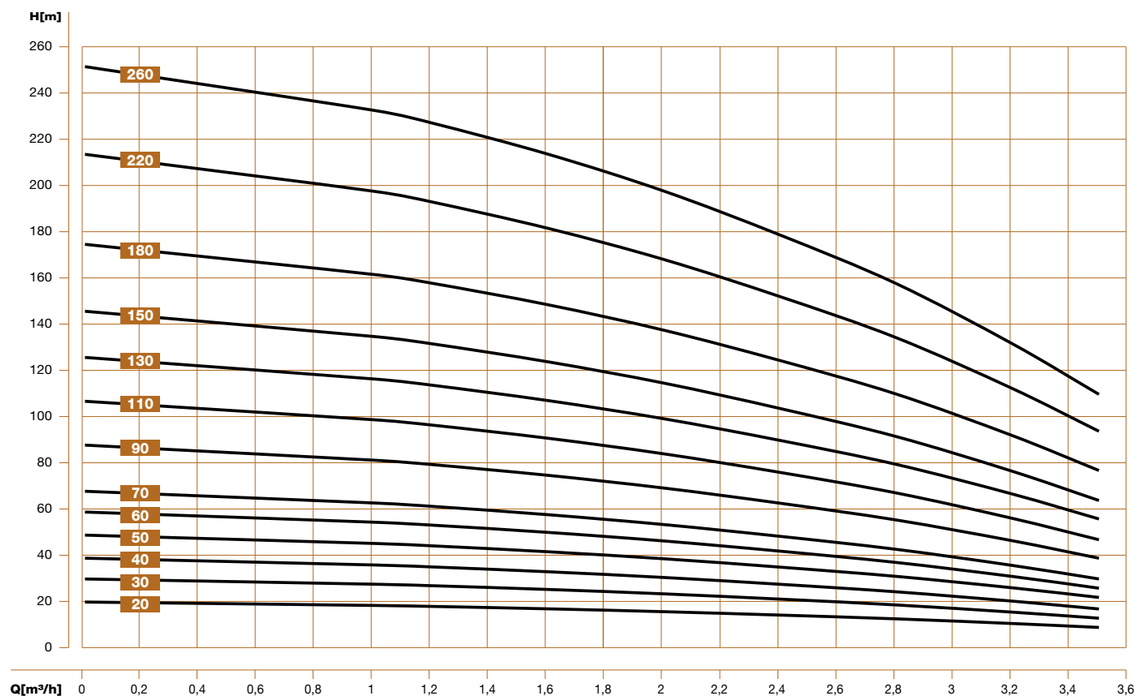
Model	A	B	C	D	D1	D2	D3	D4	E	F	d1	G	Kg
	mm												
VKF, VKX, VKN2-20/2	453	123	330	117	148	140	160	180	34	100	7,5	1 " 1/4	15
VKF, VKX, VKN2-30/3	471	141	330	117	148	140	160	180	34	100	7,5	1 " 1/4	15
VKF, VKX, VKN2-40/4	489	159	330	117	148	140	160	180	34	100	7,5	1 " 1/4	17
VKF, VKX, VKN2-50/5	507	177	330	117	148	140	160	180	34	100	7,5	1 " 1/4	17
VKF, VKX, VKN2-60/6	553	195	358	142	170	140	160	180	34	100	7,5	1 " 1/4	20
VKF, VKX, VKN2-70/7	571	213	358	142	170	140	160	180	34	100	7,5	1 " 1/4	20
VKF, VKX, VKN2-90/9	607	249	358	142	170	140	160	180	34	100	7,5	1 " 1/4	22
VKF, VKX, VKN2-110/11	643	285	358	142	170	140	160	180	34	100	7,5	1 " 1/4	22
VKF, VKX, VKN2-130/13	734	321	413	155	190	140	160	180	34	100	7,5	1 " 1/4	29
VKF, VKX, VKN2-150/15	770	357	413	155	190	140	160	180	34	100	7,5	1 " 1/4	29
VKF, VKX, VKN2-180/18	824	411	413	155	190	140	160	180	34	100	7,5	1 " 1/4	33
VKF, VKX, VKN2-220/22	896	483	413	155	190	140	160	180	34	100	7,5	1 " 1/4	33
VKF, VKX, VKN2-260/26	1003	555	478	165	197	140	160	180	34	100	7,5	1 " 1/4	41

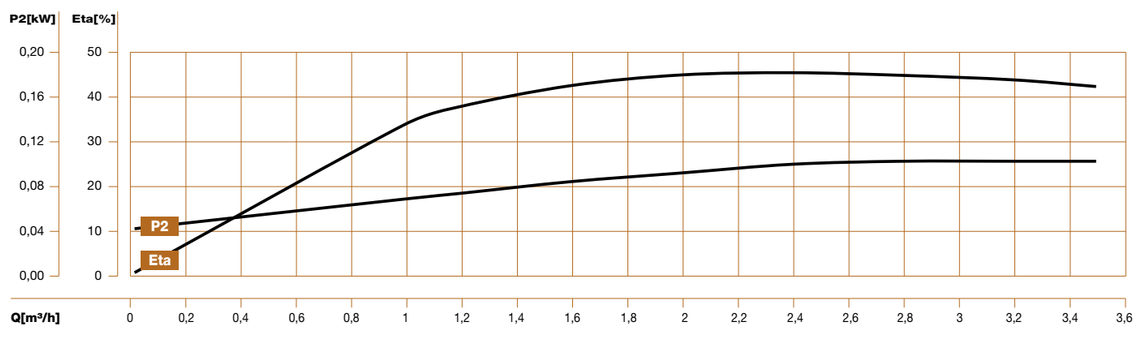
Performance table

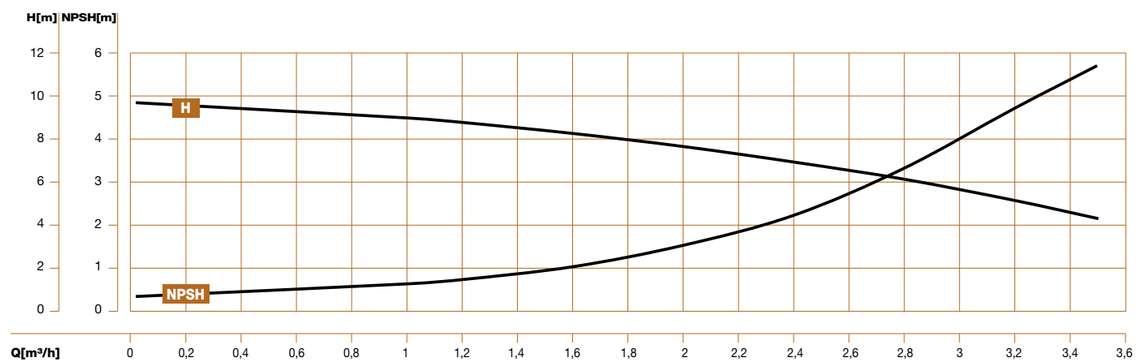
Model	I (A)		P2		Q	0	1.2	1.6	2	2.4	2.8	3.2	3.5
	3~230V	3~400V	kW	HP	m³/h								
VKF, VKX, VKN-2-20/2	1,7	1	0,37	0,5		18	17	16	15	13	12	10	8
VKF, VKX, VKN-2-30/3	1,7	1	0,37	0,5		27	26	24	22	20	18	15	12
VKF, VKX, VKN-2-40/4	2,4	1,4	0,55	0,75		36	35	33	30	26	24	20	16
VKF, VKX, VKN-2-50/5	2,4	1,4	0,55	0,75		45	43	40	37	33	30	24	20
VKF, VKX, VKN-2-60/6	3,1	1,8	0,75	1		53	52	50	45	40	36	30	24
VKF, VKX, VKN-2-70/7	3,1	1,8	0,75	1		63	61	57	52	47	41	35	28
VKF, VKX, VKN-2-90/9	4,4	2,5	1,1	1,5	mca	80	78	73	67	61	54	45	37
VKF, VKX, VKN-2-110/11	4,4	2,5	1,1	1,5		98	95	89	82	73	64	54	44
VKF, VKX, VKN-2-130/13	5,8	3,3	1,5	2		116	114	106	98	89	78	65	52
VKF, VKX, VKN-2-150/15	5,8	3,3	1,5	2		134	130	123	112	100	90	73	60
VKF, VKX, VKN-2-180/18	8,2	4,7	2,2	3		161	157	148	136	121	108	91	76
VKF, VKX, VKN-2-220/22	8,2	4,7	2,2	3		197	192	180	165	148	130	110	90
VKF, VKX, VKN-2-260/26	10,7	6,2	3	4		232	228	214	198	179	158	130	110

Performance curve ISO9906:2012 Grade 3B

VKF,VKX,VKN2 50Hz

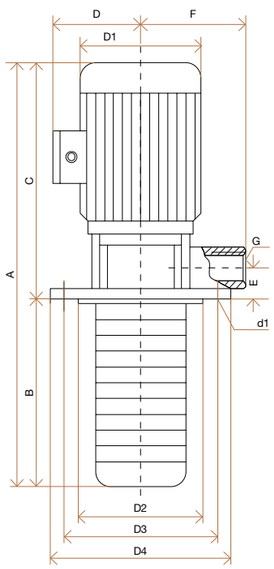






VKF,VKX,VKN3

Installation sketch



Size and weight

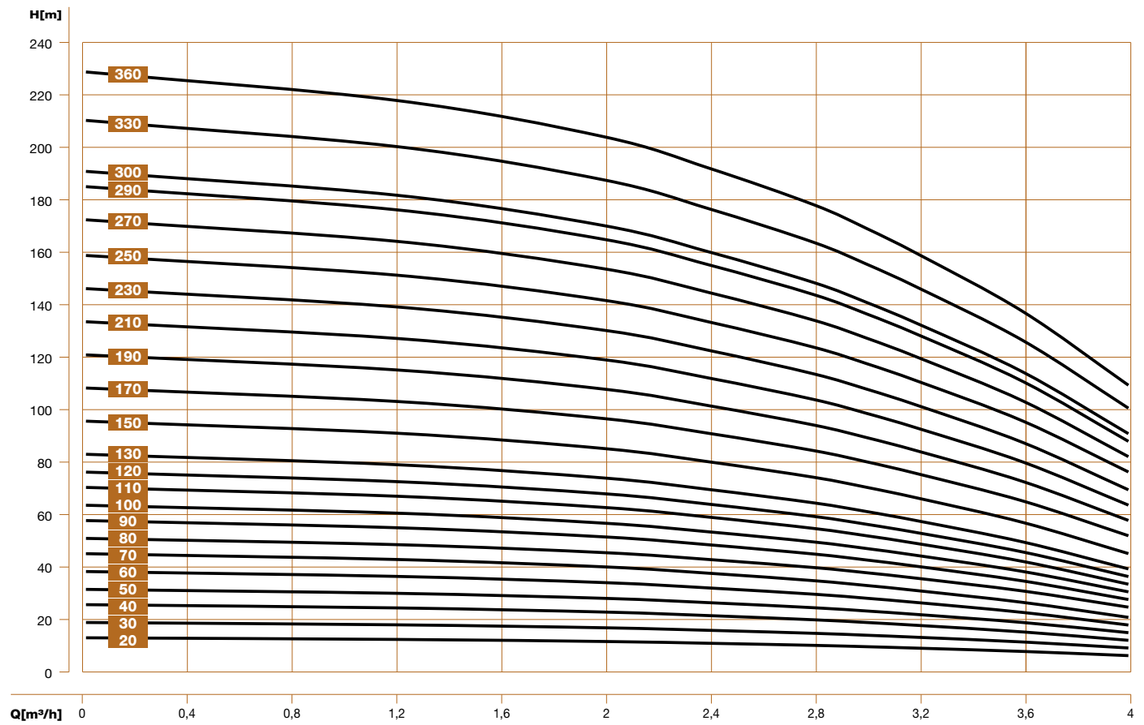
Model	A	B	C	D	D1	D2	D3	D4	E	F	d1	G	Kg
	mm												
VKF, VKX, VKN3-20/2	453	123	330	117	148	140	160	180	34	100	7,5	1 " 1/4	15
VKF, VKX, VKN3-30/3	471	141	330	117	148	140	160	180	34	100	7,5	1 " 1/4	15
VKF, VKX, VKN3-40/4	489	159	330	117	148	140	160	180	34	100	7,5	1 " 1/4	15
VKF, VKX, VKN3-50/5	507	177	330	117	148	140	160	180	34	100	7,5	1 " 1/4	16
VKF, VKX, VKN3-60/6	525	195	330	117	148	140	160	180	34	100	7,5	1 " 1/4	17
VKF, VKX, VKN3-70/7	543	213	330	117	148	140	160	180	34	100	7,5	1 " 1/4	17
VKF, VKX, VKN3-80/8	589	231	358	142	170	140	160	180	34	100	7,5	1 " 1/4	19
VKF, VKX, VKN3-90/9	607	249	358	142	170	140	160	180	34	100	7,5	1 " 1/4	20
VKF, VKX, VKN3-100/10	625	267	358	142	170	140	160	180	34	100	7,5	1 " 1/4	20
VKF, VKX, VKN-110/11	643	285	358	142	170	140	160	180	34	100	7,5	1 " 1/4	21
VKF, VKX, VKN3-120/12	661	303	358	142	170	140	160	180	34	100	7,5	1 " 1/4	21
VKF, VKX, VKN3-130/13	679	321	358	142	170	140	160	180	34	100	7,5	1 " 1/4	22
VKF, VKX, VKN3-150/15	715	357	358	142	170	140	160	180	34	100	7,5	1 " 1/4	22
VKF, VKX, VKN3-170/17	806	393	413	155	190	140	160	180	34	100	7,5	1 " 1/4	28
VKF, VKX, VKN3-190/19	842	429	413	155	190	140	160	180	34	100	7,5	1 " 1/4	29
VKF, VKX, VKN3-210/21	878	465	413	155	190	140	160	180	34	100	7,5	1 " 1/4	32
VKF, VKX, VKN3-230/23	914	501	413	155	190	140	160	180	34	100	7,5	1 " 1/4	32
VKF, VKX, VKN3-250/25	950	537	413	155	190	140	160	180	34	100	7,5	1 " 1/4	33
VKF, VKX, VKN3-270/27	986	573	413	155	190	140	160	180	34	100	7,5	1 " 1/4	33
VKF, VKX, VKN3-290/29	1022	609	413	155	190	140	160	180	34	100	7,5	1 " 1/4	33
VKF, VKX, VKN3-310/31	1123	645	478	165	197	140	160	180	34	100	7,5	1 " 1/4	40
VKF, VKX, VKN3-330/33	1159	981	478	165	197	140	160	180	34	100	7,5	1 " 1/4	41
VKF, VKX, VKN3-360/36	1213	735	478	165	197	140	160	180	34	100	7,5	1 " 1/4	41

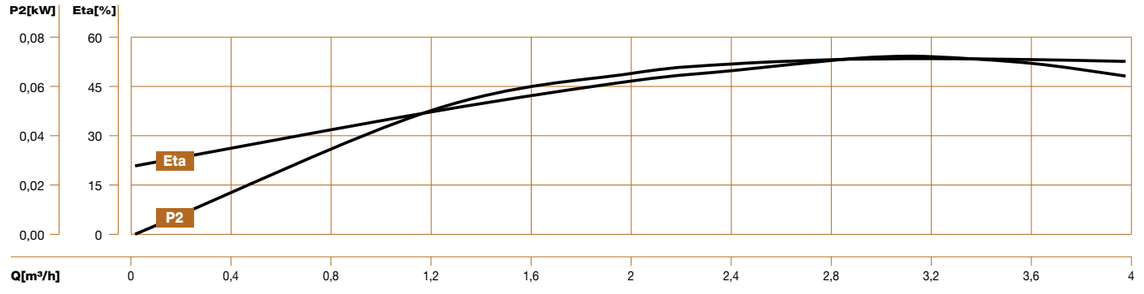
Performance table

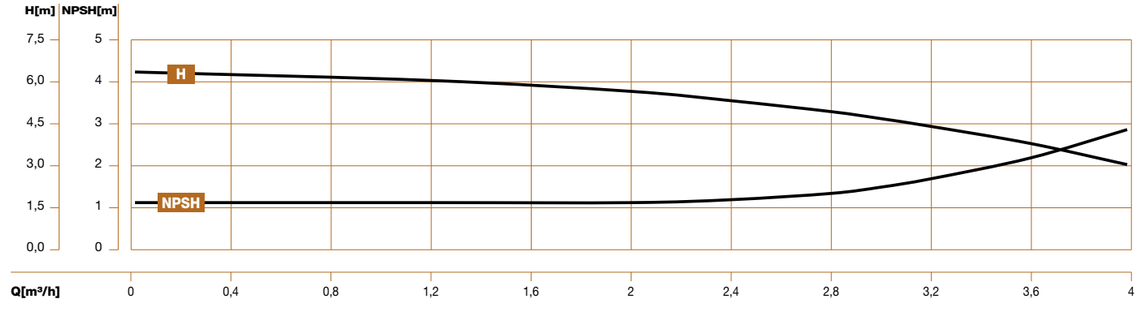
Model	I (A)		P2		Q	0	2	2.4	2.8	3	3.2	3.6	4
	3~230V	3~400V	kW	HP	m³/h								
VKF, VKX, VKN-3-20/2	1,7	1	0,37	0,5		12.5	11	10.5	10	9	8	7	6
VKF, VKX, VKN-3-30/3	1,7	1	0,37	0,5		19	17.5	16.5	15	14	13	11	9
VKF, VKX, VKN-3-40/4	1,7	1	0,37	0,5		25	23	21.5	20	19	18	15	12
VKF, VKX, VKN-3-50/5	1,7	1	0,37	0,5		31	29	27	25	23	22	19	16
VKF, VKX, VKN-3-60/6	2,4	1,4	0,55	0,75		36	34	32	30	28	27	23	19
VKF, VKX, VKN-3-70/7	2,4	1,4	0,55	0,75		43	39	37	34	32	31	27	22
VKF, VKX, VKN-3-80/8	3,1	1,8	0,75	1		49	45	43	39	37	35	31	25
VKF, VKX, VKN-3-90/9	3,1	1,8	0,75	1		55	51	48	45	42	40	35	28
VKF, VKX, VKN-3-100/10	3,1	1,8	0,75	1		61	57	54	50	47	45	39	31
VKF, VKX, VKN-3-110/11	4,4	2,5	1,1	1,5		67	61	58	54	51	49	42	34
VKF, VKX, VKN-3-120/12	4,4	2,5	1,1	1,5		73	67	63	58	55	52	45	37
VKF, VKX, VKN-3-130/13	4,4	2,5	1,1	1,5	mca	78	73	69	64	60	57	49	40
VKF, VKX, VKN-3-150/15	4,4	2,5	1,1	1,5		90	84	79	73	69	66	57	46
VKF, VKX, VKN-3-170/17	5,8	3,3	1,5	2		103	96	90	83	79	75	64	52
VKF, VKX, VKN-3-190/19	5,8	3,3	1,5	2		115	107	100	92	88	83	72	58
VKF, VKX, VKN-3-210/21	8,2	4,7	2,2	3		128	119	112	102	98	91	79	64
VKF, VKX, VKN-3-230/23	8,2	4,7	2,2	3		140	130	122	112	107	100	86	70
VKF, VKX, VKN-3-250/25	8,2	4,7	2,2	3		151	141	131	122	116	109	94	76
VKF, VKX, VKN-3-270/27	8,2	4,7	2,2	3		164	152	143	132	124	117	101	82
VKF, VKX, VKN-3-290/29	8,2	4,7	2,2	3		175	163	153	142	133	126	109	88
VKF, VKX, VKN-3-300/30	10,7	6,2	3	4		187	175	165	153	142	135	116	94
VKF, VKX, VKN-3-330/33	10,7	6,2	3	4		199	187	176	163	151	145	125	100
VKF, VKX, VKN-3-360/36	10,7	6,2	3	4		218	204	192	178	168	159	137	109

Performance curve ISO9906:2012 Grade 3B

VKF,VKX,VKN3 50Hz

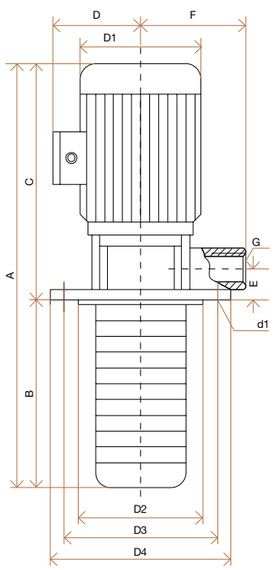






VKF,VKX,VKN4

Installation sketch



Size and weight

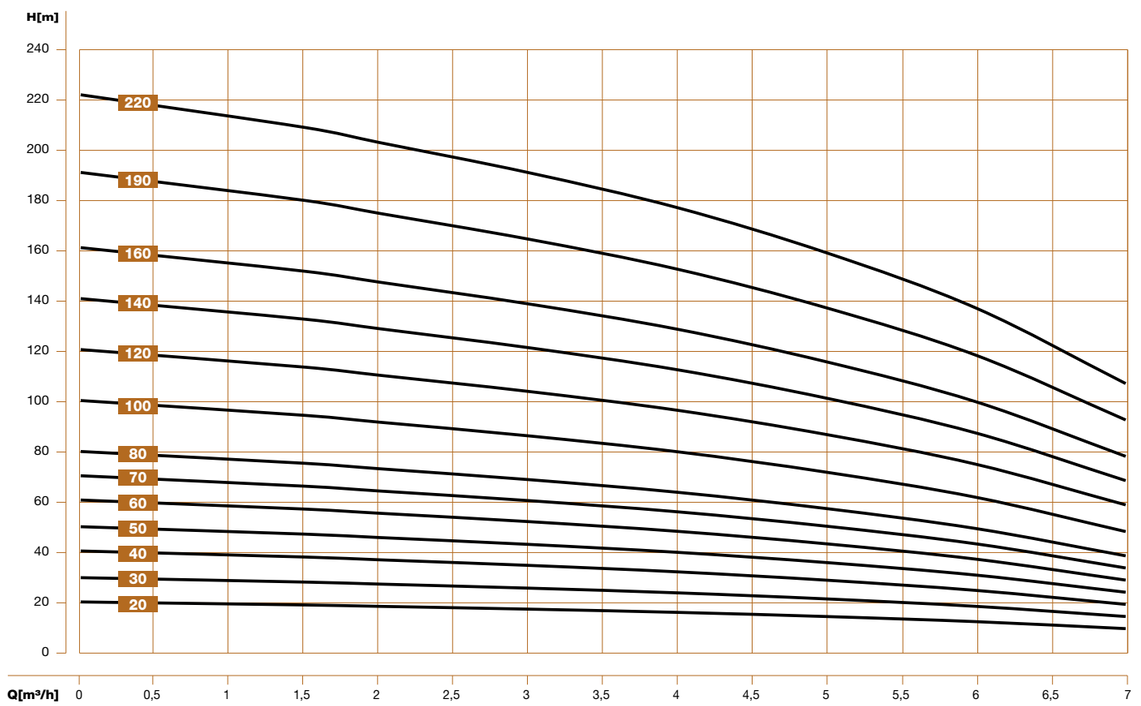
Model	A	B	C	D	D1	D2	D3	D4	E	F	d1	G	Kg
	mm												
VKF, VKX, VKN4-20/2	478	148	330	117	148	140	160	180	34	100	7,5	1 " 1/4	15
VKF, VKX, VKN4-30/3	505	175	330	117	148	140	160	180	34	100	7,5	1 " 1/4	15
VKF, VKX, VKN4-40/4	560	202	358	142	170	140	160	180	34	100	7,5	1 " 1/4	18
VKF, VKX, VKN4-50/5	587	229	358	142	170	140	160	180	34	100	7,5	1 " 1/4	20
VKF, VKX, VKN4-60/6	614	256	358	142	170	140	160	180	34	100	7,5	1 " 1/4	21
VKF, VKX, VKN4-70/7	696	283	413	155	190	140	160	180	34	100	7,5	1 " 1/4	27
VKF, VKX, VKN4-80/8	723	310	413	155	190	140	160	180	34	100	7,5	1 " 1/4	28
VKF, VKX, VKN4-100/10	777	364	413	155	190	140	160	180	34	100	7,5	1 " 1/4	30
VKF, VKX, VKN4-120/12	831	418	413	155	190	140	160	180	34	100	7,5	1 " 1/4	30
VKF, VKX, VKN4-140/14	950	472	478	165	197	140	160	180	34	100	7,5	1 " 1/4	35
VKF, VKX, VKN4-160/16	1004	526	478	165	197	140	160	180	34	100	7,5	1 " 1/4	35
VKF, VKX, VKN4-190/19	1095	607	488	185	230	140	160	180	34	100	7,5	1 " 1/4	40
VKF, VKX, VKN4-220/22	1176	688	488	185	230	140	160	180	34	100	7,5	1 " 1/4	41

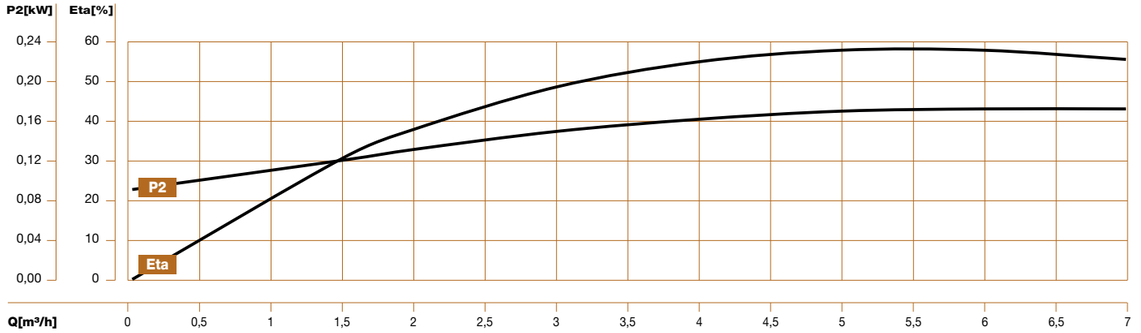
Performance table

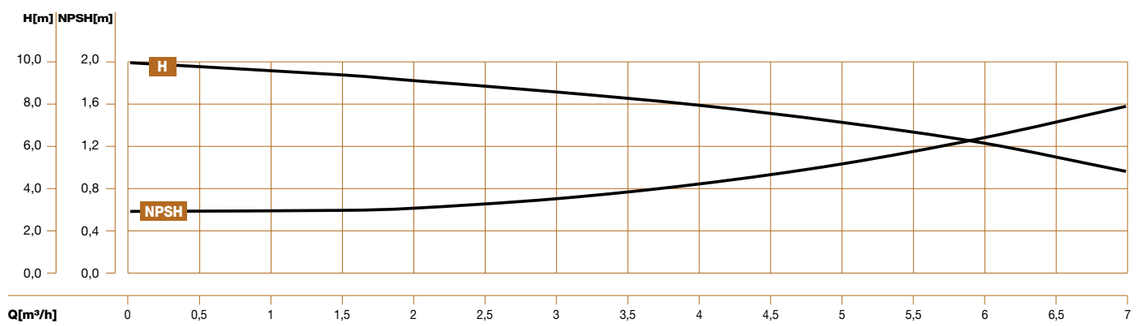
Model	I (A)		P2		Q	0	2	3	4	5	6	7
	3~230V	3~400V	kW	HP	m³/h							
VKF, VKX, VKN-4-20/2	1,7	1	0,37	0,5		19	18	17	15	13	12	8
VKF, VKX, VKN-4-30/3	2,4	1,4	0,55	0,75		28	27	26	24	20	18	13
VKF, VKX, VKN-4-40/4	3,1	1,8	0,75	1		38	36	34	32	27	24	19
VKF, VKX, VKN-4-50/5	4,4	2,5	1,1	1,5		47	45	43	40	34	31	23
VKF, VKX, VKN-4-60/6	4,4	2,5	1,1	1,5		56	54	52	48	41	37	28
VKF, VKX, VKN-4-70/7	5,8	3,3	1,5	2		66	63	61	56	48	43	33
VKF, VKX, VKN-4-80/8	5,8	3,3	1,5	2	mca	74	72	70	64	55	50	38
VKF, VKX, VKN-4-100/10	8,2	4,7	2,2	3		96	90	87	81	71	62	48
VKF, VKX, VKN-4-120/12	8,2	4,7	2,2	3		114	108	104	95	85	75	58
VKF, VKX, VKN-4-140/14	10,7	6,2	3	4		136	126	122	112	101	89	68
VKF, VKX, VKN-4-160/16	10,7	6,2	3	4		152	144	140	129	115	101	78
VKF, VKX, VKN-4-190/19	—	8	4	5,5		183	171	168	153	137	122	93
VKF, VKX, VKN-4-220/22	—	8	4	5,5		211	200	192	178	160	138	108

Performance curve ISO9906:2012 Grade 3B

VKF,VKX,VKN4 50Hz

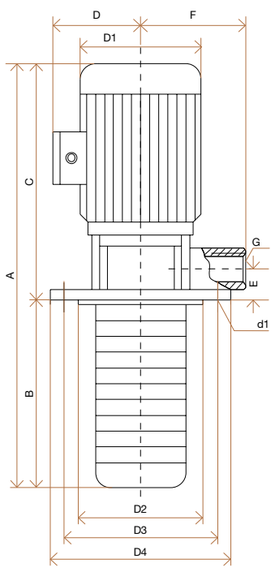






VKF,VKX,VKN8

Installation sketch



Size and weight

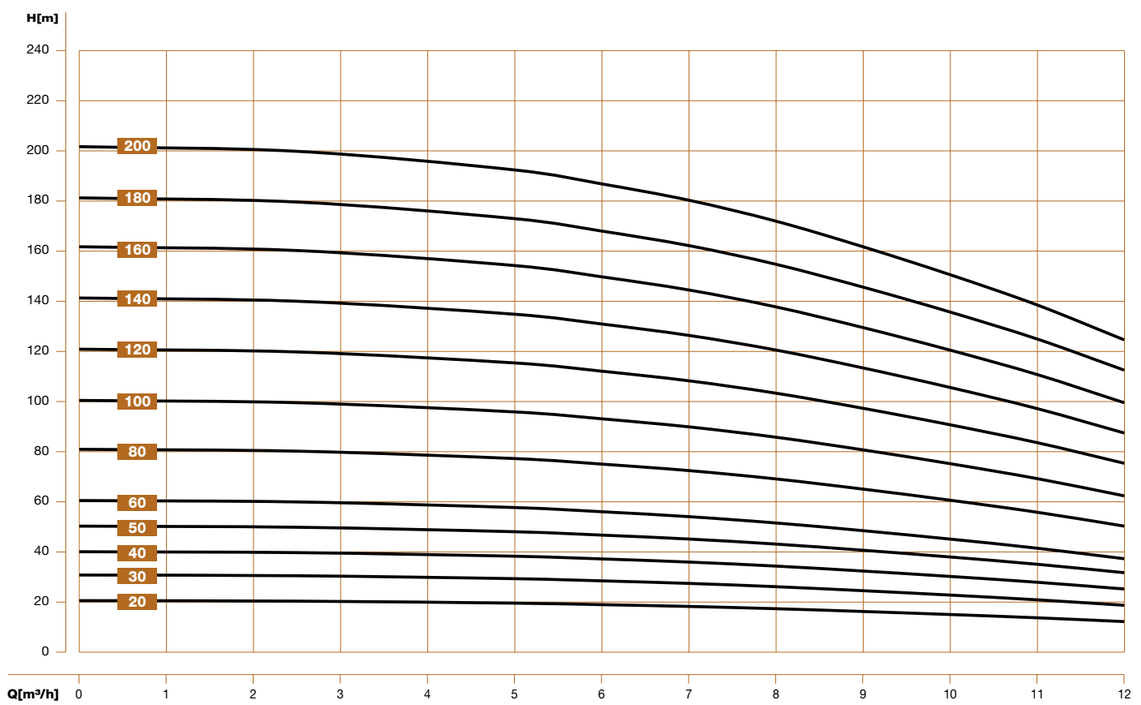
Model	A	B	C	D	D1	D2	D3	D4	E	F	d1	G	Kg
	mm												
VKF, VKX, VKN8-20/2	516	150	366	142	170	200	225	250	45	125	9	2 "	22
VKF, VKX, VKN8-30/3	546	180	366	142	170	200	225	250	45	125	9	2 "	27
VKF, VKX, VKN8-40/4	629	210	419	155	190	200	225	250	45	125	9	2 "	27
VKF, VKX, VKN8-50/5	659	240	419	155	190	200	225	250	45	125	9	2 "	36
VKF, VKX, VKN8-60/6	689	270	419	155	190	200	225	250	45	125	9	2 "	37
VKF, VKX, VKN8-80/8	814	330	484	165	197	200	225	250	45	125	9	2 "	42
VKF, VKX, VKN8-100/10	884	390	494	185	230	200	225	250	45	125	9	2 "	52
VKF, VKX, VKN8-120/12	944	450	494	185	230	200	225	250	45	125	9	2 "	53
VKF, VKX, VKN8-140/14	1059	510	549	210	260	200	225	250	45	125	9	2 "	75
VKF, VKX, VKN8-160/16	1119	570	549	210	260	200	225	250	45	125	9	2 "	77
VKF, VKX, VKN8-180/18	1179	630	549	210	260	200	225	250	45	125	9	2 "	85
VKF, VKX, VKN8-200/20	1239	690	549	210	260	200	225	250	45	125	9	2 "	87

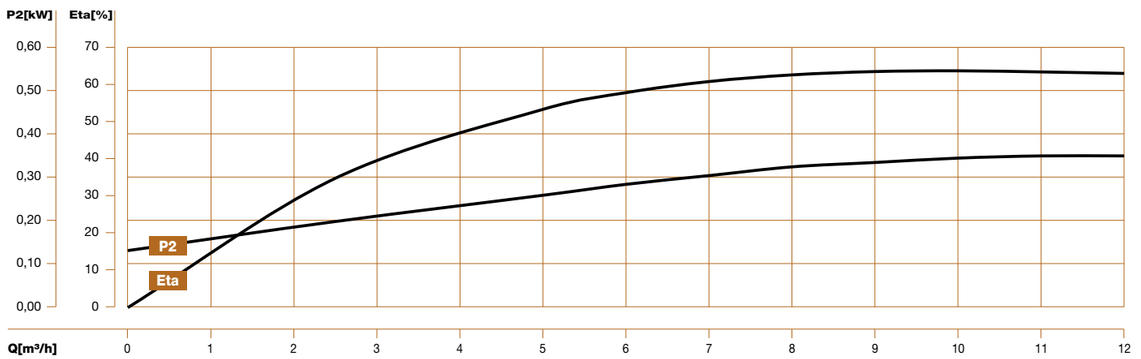
Performance table

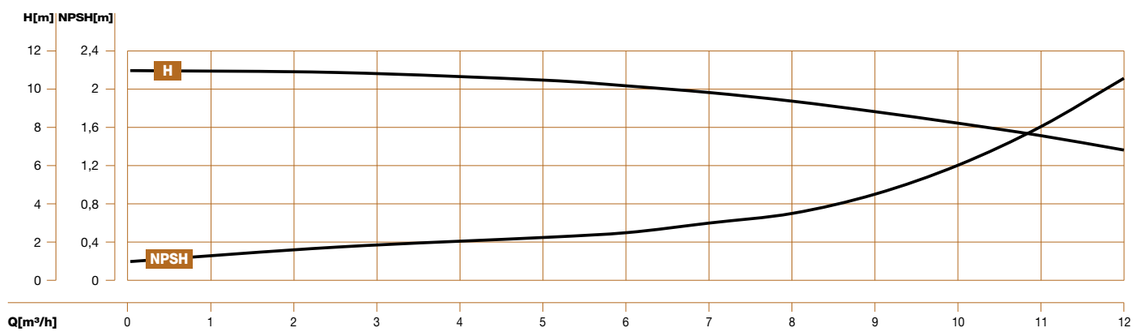
Model	I (A)		P2		Q	0	6	7	8	9	10	11	12
	3~230V	3~400V	kW	HP	m³/h								
VKF, VKX, VKN-8-20/2	3,1	1,8	0,75	1		20	19.5	19	18	17	16	14	13
VKF, VKX, VKN-8-30/3	4,4	2,5	1,1	1,5		30	29.5	28.5	27	25	24	21	19
VKF, VKX, VKN-8-40/4	5,8	3,3	1,5	2		41	39.5	38	36	34	32	28	26
VKF, VKX, VKN-8-50/5	8,2	4,7	2,2	3		52	50	48	45	42	40	36	32
VKF, VKX, VKN-8-60/6	8,2	4,7	2,2	3		62	60	57	54	51	48	43	39
VKF, VKX, VKN-8-80/8	10,7	6,2	3	4		83	80	77	73	69	65	58	52
VKF, VKX, VKN-8-100/10	—	8	4	5,5	mca	104	100	97	92	87	81	73	65
VKF, VKX, VKN-8-120/12	—	8	4	5,5		124	120	116	111	104	92	87	78
VKF, VKX, VKN-8-140/14	—	10,9	5,5	7,5		145	141	136	130	122	113	102	92
VKF, VKX, VKN-8-160/16	—	10,9	5,5	7,5		166	161	156	148	139	130	118	106
VKF, VKX, VKN-8-180/18	—	14,5	7,5	10		187	182	175	167	157	146	134	120
VKF, VKX, VKN-8-200/20	—	14,5	7,5	10		208	202	195	186	175	163	150	135

Performance curve ISO9906:2012 Grade 3B

VKF,VKX,VKN8 50Hz

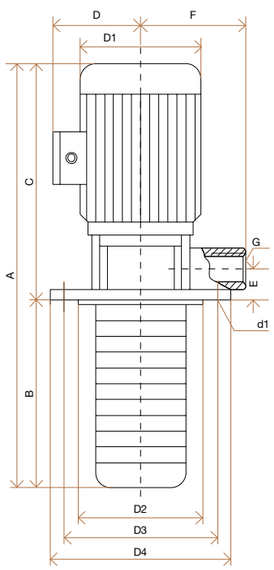






VKF,VKX,VKN15

Installation sketch



Size and weight

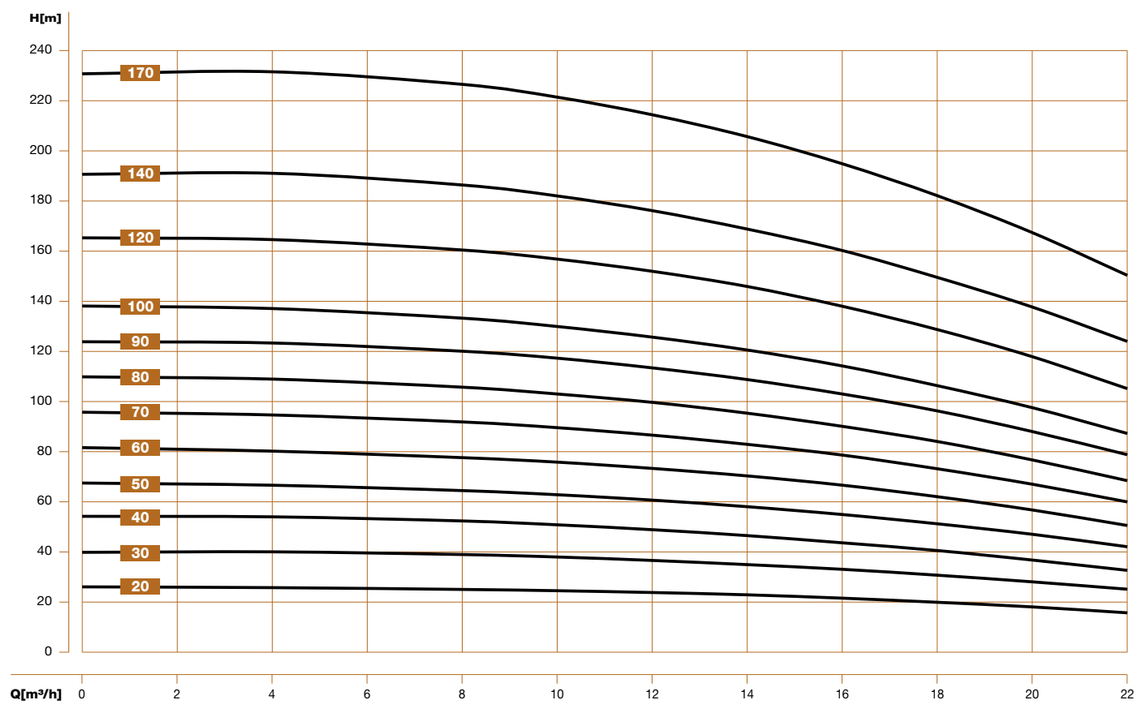
Model	A	B	C	D	D1	D2	D3	D4	E	F	d1	G	Kg
	mm												
VKF, VFX, VKN15-20/2	599	180	419	155	190	200	225	250	45	125	9	2 "	37
VKF, VFX, VKN15-30/3	709	225	484	165	197	200	225	250	45	125	9	2 "	47
VKF, VFX, VKN15-40/4	764	270	494	185	230	200	225	250	45	125	9	2 "	52
VKF, VFX, VKN15-50/5	864	315	549	210	260	200	225	250	45	125	9	2 "	67
VKF, VFX, VKN15-60/6	909	360	549	210	260	200	225	250	45	125	9	2 "	72
VKF, VFX, VKN15-70/7	954	405	549	210	260	200	225	250	45	125	9	2 "	77
VKF, VFX, VKN15-80/8	999	450	549	210	260	200	225	250	45	125	9	2 "	78
VKF, VFX, VKN15-100/10	1240	540	700	255	330	200	225	250	45	125	9	2 "	135
VKF, VFX, VKN15-120/12	1330	630	700	255	330	200	225	250	45	125	9	2 "	140
VKF, VFX, VKN15-140/14	1420	720	700	255	330	200	225	250	45	125	9	2 "	155
VKF, VFX, VKN15-160/16	1510	810	700	255	330	200	225	250	45	125	9	2 "	162

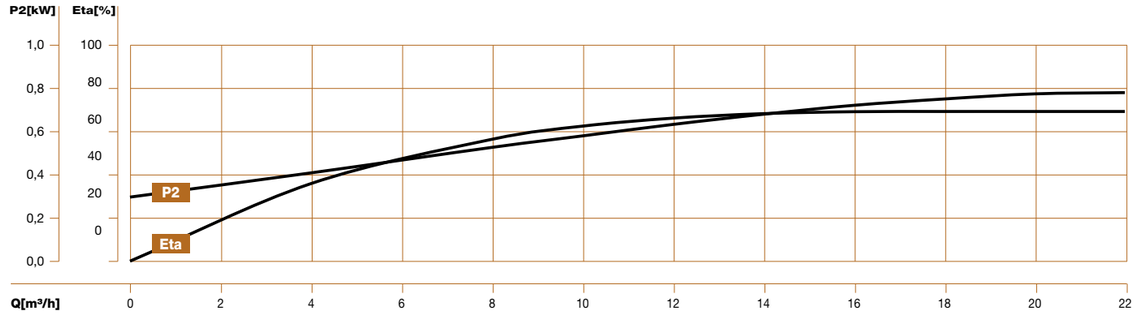
Performance table

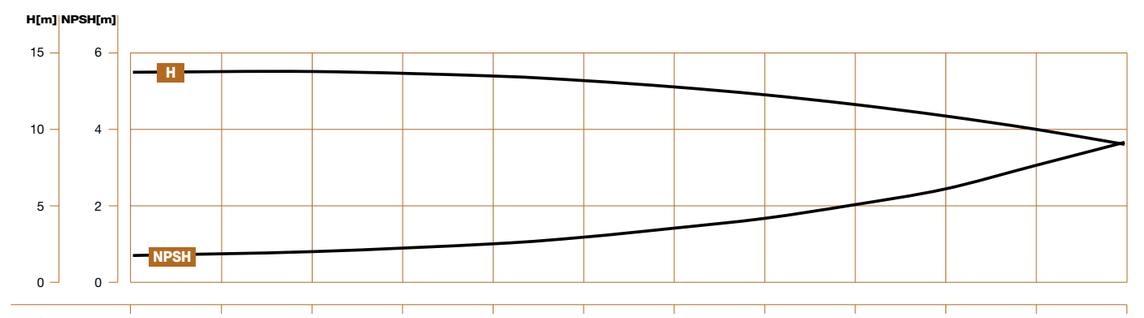
Model	I (A)		P2		Q	8	10	12	14	15	16	18	20	22
	3~230V	3~400V	kW	HP	m³/h									
VKF, VFX, VKN15-20/2	8,2	4,7	2,2	3		25	24,5	24	23	22,5	21,5	20	18	16
VKF, VFX, VKN15-30/3	10,7	6,2	3	4		39	38	37	35	34	33	30	28	25
VKF, VFX, VKN15-40/4	-	8	4	5,5		52	51	49	46	45	44	40	37	33
VKF, VFX, VKN15-50/5	-	8	4	5,5		65	63	61	59	57	55	51	47	42
VKF, VFX, VKN15-60/6	-	10,9	5,5	7,5		78	76	74	71	69	67	62	57	51
VKF, VFX, VKN15-70/7	-	14,5	7,5	10		92	90	87	83	81	79	73	67	60
VKF, VFX, VKN15-80/8	-	14,5	7,5	10	mca	106	103	100	96	93	90	84	77	69
VKF, VFX, VKN15-90/9	-	-	7,5	10		120	117	114	109	106	103	95	87	79
VKF, VFX, VKN15-100/10	-	21	11	15		133	130	126	121	118	114	106	97	88
VKF, VFX, VKN15-120/12	-	21	11	15		160	157	152	146	142	138	128	117	106
VKF, VFX, VKN15-140/14	-	21	11	15		187	182	177	169	165	160	149	137	124
VKF, VFX, VKN15-170/17	-	28,4	15	20		227	222	215	206	201	195	182	167	151

Performance curve ISO9906:2012 Grade 3B

VKF,VKX,VKN15 50Hz

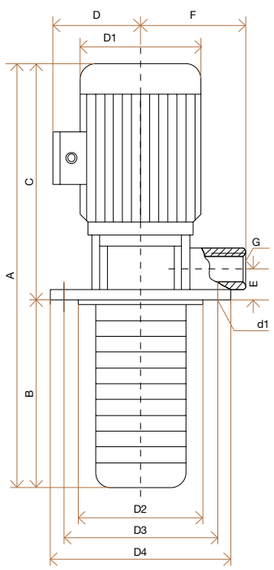






VKF,VKX,VKN20

Installation sketch



Size and weight

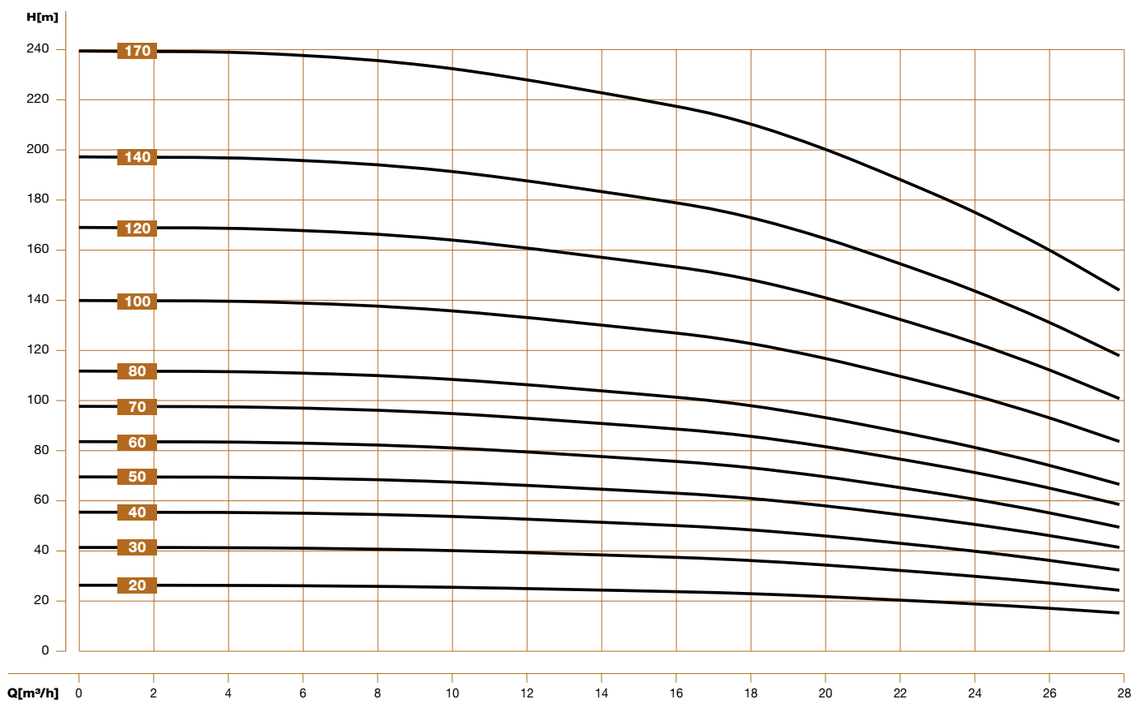
Model	A	B	C	D	D1	D2	D3	D4	E	F	d1	G	Kg
	mm												
VKF, VKX, VKN20-20/2	599	180	419	155	190	200	225	250	45	125	9	2 "	37
VKF, VKX, VKN20-30/3	719	225	494	185	230	200	225	250	45	125	9	2 "	50
VKF, VKX, VKN20-40/4	819	270	549	210	260	200	225	250	45	125	9	2 "	65
VKF, VKX, VKN20-50/5	864	315	549	210	260	200	225	250	45	125	9	2 "	67
VKF, VKX, VKN20-60/6	909	360	549	210	260	200	225	250	45	125	9	2 "	75
VKF, VKX, VKN20-70/7	954	405	549	210	260	200	225	250	45	125	9	2 "	77
VKF, VKX, VKN20-80/8	1150	450	700	255	330	200	225	250	45	125	9	2 "	131
VKF, VKX, VKN20-100/10	1240	540	700	255	330	200	225	250	45	125	9	2 "	135
VKF, VKX, VKN20-120/12	1330	630	700	255	330	200	225	250	45	125	9	2 "	151
VKF, VKX, VKN20-140/14	1420	720	700	255	330	200	225	250	45	125	9	2 "	155
VKF, VKX, VKN20-170/17	1605	855	750	255	330	200	225	250	45	125	9	2 "	181

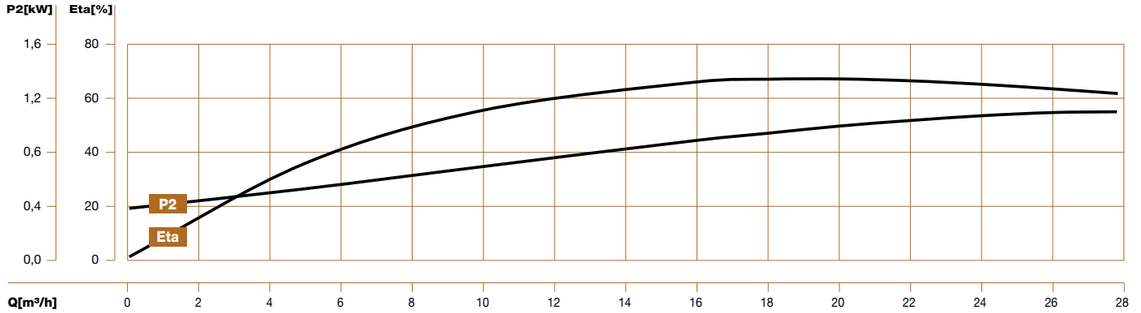
Performance table

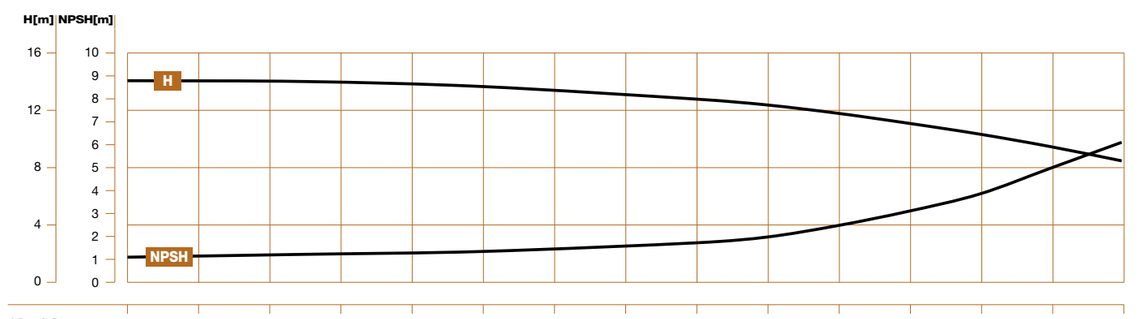
Model	I (A)		P2		Q	0	16	18	20	22	24	26	28
	3~230V	3~400V	kW	HP	m³/h								
VKF, VKX, VKN-20-20/2	8,2	4,7	2,2	3		27	25	24	23	22	20	18	15
VKF, VKX, VKN-20-30/3	—	8	4	5,5		40	38	37	35	33	30	27	24
VKF, VKX, VKN-20-40/4	—	10,9	5,5	7,5		54	51	49	47	44	41	37	33
VKF, VKX, VKN-20-50/5	—	10,9	5,5	7,5		67	62	60	58	55	50	45	40
VKF, VKX, VKN-20-60/6	—	14,5	7,5	10		81	75	73	70	66	61	55	49
VKF, VKX, VKN-20-70/7	—	14,5	7,5	10	mca	95	89	86	82	77	71	65	58
VKF, VKX, VKN-20-80/8	—	21	11	15		109	102	99	94	89	82	75	67
VKF, VKX, VKN-20-100/10	—	21	11	15		136	128	124	118	111	103	95	85
VKF, VKX, VKN-20-120/12	—	28,4	15	20		164	154	149	142	133	124	114	102
VKF, VKX, VKN-20-140/14	—	28,4	15	20		192	180	174	166	156	145	133	119
VKF, VKX, VKN-20-170/17	—	34,7	18,5	25		234	219	212	202	190	177	162	145

Performance curve ISO9906:2012 Grade 3B

VKF,VKX,VKN20 50Hz

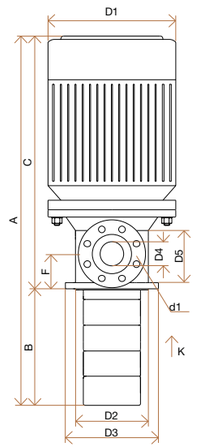


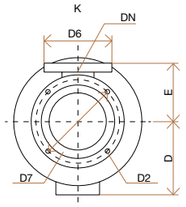




VKF,VKX,VKN32

Installation sketch





Size and weight

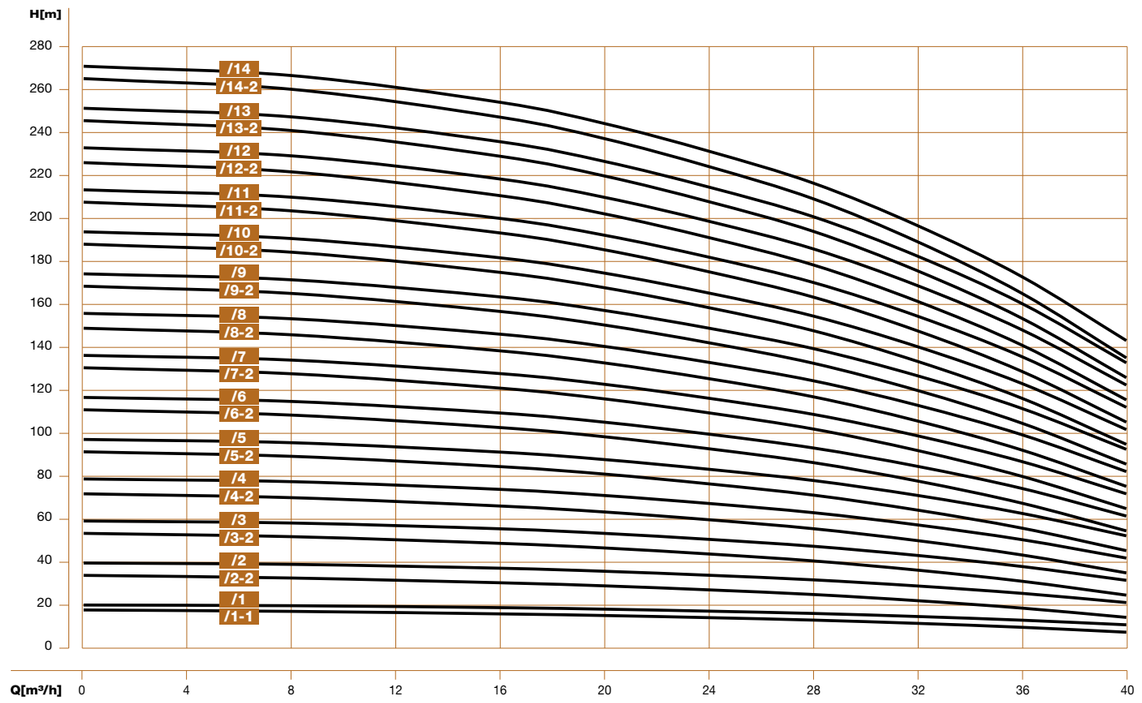
Model	A	B	C	D	D1	D2	D3	D4	D5	D6	D7	E	F	d1	d2	DN	Kg
	mm																
VKF, VKX, VKN32-10/1-1	621	186	435	155	190	200	255	65	145	185	230	160	97	18	12	65	49
VKF, VKX, VKN32-10/1	621	186	435	155	190	200	255	65	145	185	230	160	97	18	12	65	49
VKF, VKX, VKN32-20/2-2	746	256	490	165	197	200	255	65	145	185	230	160	97	18	12	65	57
VKF, VKX, VKN32-20/2	746	256	490	165	197	200	255	65	145	185	230	160	97	18	12	65	57
VKF, VKX, VKN32-30/3-2	881	326	555	210	260	200	255	65	145	185	230	160	97	18	12	65	70
VKF, VKX, VKN32-30/3	881	326	555	210	260	200	255	65	145	185	230	160	97	18	12	65	70
VKF, VKX, VKN32-40/4-2	951	396	555	210	260	200	255	65	145	185	230	160	97	18	12	65	77
VKF, VKX, VKN32-40/4	951	396	555	210	260	200	255	65	145	185	230	160	97	18	12	65	77
VKF, VKX, VKN32-50/5-2	1184	466	718	255	330	200	255	65	145	185	230	160	97	18	12	65	148
VKF, VKX, VKN32-50/5	1184	466	718	255	330	200	255	65	145	185	230	160	97	18	12	65	148
VKF, VKX, VKN32-60/6-2	1254	536	718	255	330	200	255	65	145	185	230	160	97	18	12	65	150
VKF, VKX, VKN32-60/6	1254	536	718	255	330	200	255	65	145	185	230	160	97	18	12	65	150
VKF, VKX, VKN32-70/7-2	1324	606	718	255	330	200	255	65	145	185	230	160	97	18	12	65	162
VKF, VKX, VKN32-70/7	1324	606	718	255	330	200	255	65	145	185	230	160	97	18	12	65	162
VKF, VKX, VKN32-80/8-2	1394	676	718	255	330	200	255	65	145	185	230	160	97	18	12	65	165
VKF, VKX, VKN32-80/8	1394	676	718	255	330	200	255	65	145	185	230	160	97	18	12	65	165
VKF, VKX, VKN32-90/9-2	1514	746	768	255	330	200	255	65	145	185	230	160	97	18	12	65	191
VKF, VKX, VKN32-90/9	1514	746	768	255	330	200	255	65	145	185	230	160	97	18	12	65	191
VKF, VKX, VKN32-100/10-2	1584	816	768	255	330	200	255	65	145	185	230	160	97	18	12	65	194
VKF, VKX, VKN32-100/10	1584	816	768	255	330	200	255	65	145	185	230	160	97	18	12	65	194
VKF, VKX, VKN32-110/11-2	1679	886	793	285	360	200	255	65	145	185	230	160	97	18	12	65	230
VKF, VKX, VKN32-110/11	1679	886	793	285	360	200	255	65	145	185	230	160	97	18	12	65	230
VKF, VKX, VKN32-120/12-2	1749	956	793	285	360	200	255	65	145	185	230	160	97	18	12	65	234
VKF, VKX, VKN32-120/12	1749	956	793	285	360	200	255	65	145	185	230	160	97	18	12	65	234
VKF, VKX, VKN32-130/13-2	1894	1026	868	310	400	200	255	65	145	185	230	160	97	18	12	65	297
VKF, VKX, VKN32-130/13	1894	1026	868	310	400	200	255	65	145	185	230	160	97	18	12	65	297
VKF, VKX, VKN32-140/14-2	1964	1096	868	310	400	200	255	65	145	185	230	160	97	18	12	65	300
VKF, VKX, VKN32-140/14	1964	1096	868	310	400	200	255	65	145	185	230	160	97	18	12	65	300

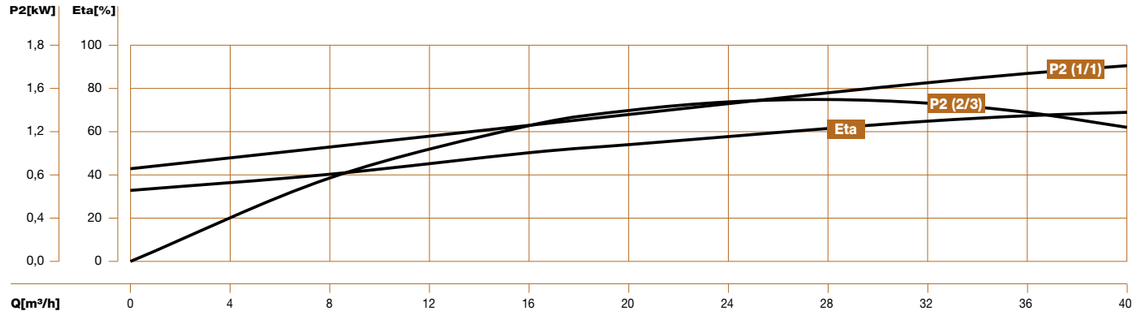
Performance table

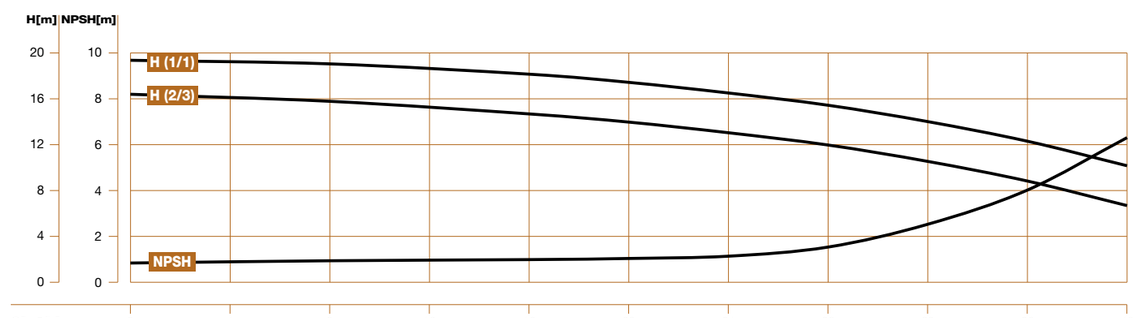
Model	I (A)		P2		Q	0	16	20	24	28	32	36	40
	3~230V	3~400V	kW	HP	m³/h								
VKF, VKX, VKN-32-10/1-1	5,8	3,3	1,5	2		16	14	13	12	11	9	7	4
VKF, VKX, VKN-32-10/1	8,2	4,7	2,2	3		20	18	17	15	14	13	11	8
VKF, VKX, VKN-32-20/2-2	10,7	6,2	3	4		34	29	28	26	23	20	16	11
VKF, VKX, VKN-32-20/2	-	8	4	5,5		40	36	34	32	29	27	23	18
VKF, VKX, VKN-32-30/3-2	-	10,9	5,5	7,5		50	47	44	41	38	33	28	21
VKF, VKX, VKN-32-30/3	-	10,9	5,5	7,5		59	54	51	48	44	40	35	27
VKF, VKX, VKN-32-40/4-2	-	14,5	7,5	10		71	65	62	58	53	46	40	30
VKF, VKX, VKN-32-40/4	-	14,5	7,5	10		79	72	69	65	59	53	47	37
VKF, VKX, VKN-32-50/5-2	-	21	11	15		91	83	79	74	68	60	52	41
VKF, VKX, VKN-32-50/5	-	21	11	15		100	90	86	81	74	67	59	47
VKF, VKX, VKN-32-60/6-2	-	21	11	15		110	101	97	90	83	74	65	51
VKF, VKX, VKN-32-60/6	-	21	11	15		119	108	104	97	90	81	72	57
VKF, VKX, VKN-32-70/7-2	-	28,4	15	20		130	119	114	107	98	88	78	60
VKF, VKX, VKN-32-70/7	-	28,4	15	20		138	126	121	113	105	95	85	67
VKF, VKX, VKN-32-80/8-2	-	28,4	15	20	mca	144	136	131	123	114	102	90	71
VKF, VKX, VKN-32-80/8	-	28,4	15	20		154	144	138	130	120	109	97	77
VKF, VKX, VKN-32-90/9-2	-	34,7	18,5	25		162	154	148	140	129	117	102	82
VKF, VKX, VKN-32-90/9	-	34,7	18,5	25		171	162	156	147	136	124	109	88
VKF, VKX, VKN-32-100/10-2	-	34,7	18,5	25		181	175	166	157	146	131	115	91
VKF, VKX, VKN-32-100/10	-	34,7	18,5	25		191	182	173	164	152	138	122	98
VKF, VKX, VKN-32-110/11-2	-	41,1	22	30		202	193	184	173	164	146	128	102
VKF, VKX, VKN-32-110/11	-	41,1	22	30		210	200	191	180	168	153	135	109
VKF, VKX, VKN-32-120/12-2	-	41,1	22	30		220	211	201	189	178	160	140	113
VKF, VKX, VKN-32-120/12	-	41,1	22	30		230	218	208	196	184	167	147	120
VKF, VKX, VKN-32-130/13-2	-	55,7	30	40		245	230	218	206	193	174	153	124
VKF, VKX, VKN-32-130/13	-	55,7	30	40		250	237	225	213	200	181	160	131
VKF, VKX, VKN-32-140/14-2	-	55,7	30	40		263	247	235	222	210	189	165	135
VKF, VKX, VKN-32-140/14	-	55,7	30	40		271	255	242	229	216	196	172	142

Performance curve ISO9906:2012 Grade 3B

VKF,VKX,VKN32 50Hz



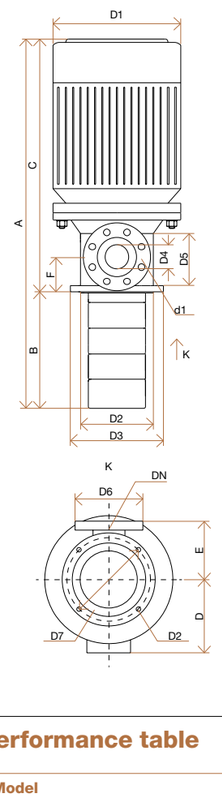




VKF,VKX,VKN42

Installation sketch

VK32, 45



Size and weight

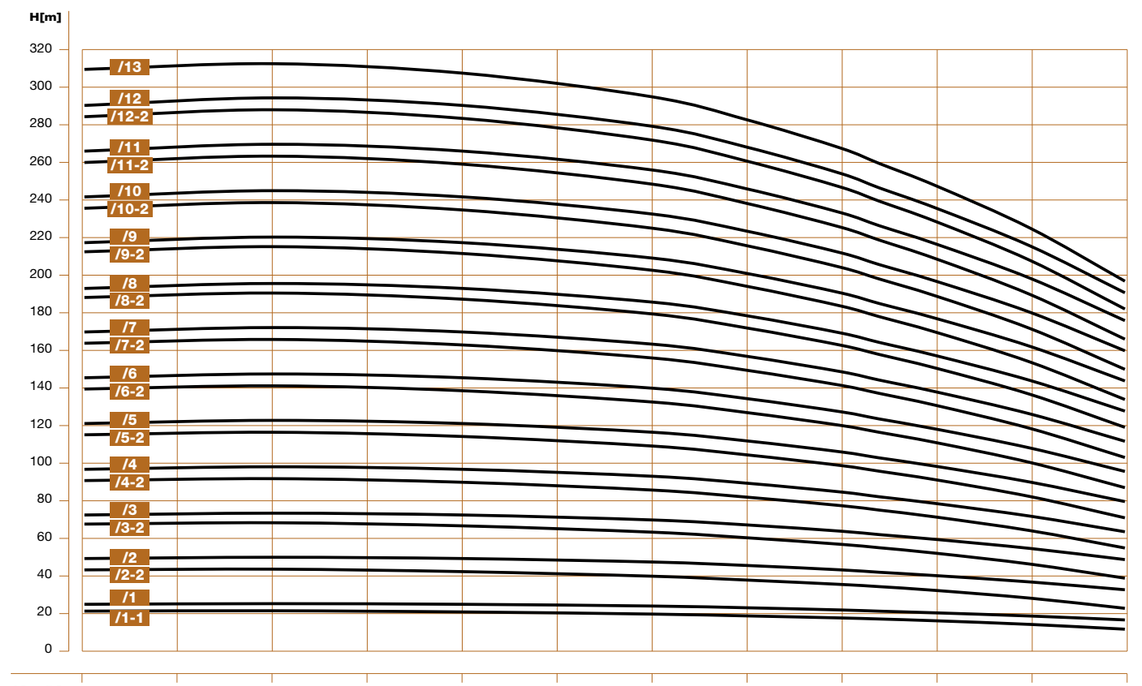
Model	A	B	C	D	D1	D2	D3	D4	D5	D6	D7	E	F	d1	d2	DN	Kg
	mm																
VKF, VKX, VKN42-10/1-1	702	198	504	165	197	222	277	80	160	200	252	165	104	18	12	80	60
VKF, VKX, VKN42-10/1	702	198	504	165	197	222	277	80	160	200	252	165	104	18	12	80	60
VKF, VKX, VKN42-20/2-2	847	278	569	210	260	222	277	80	160	200	252	165	104	18	12	80	77
VKF, VKX, VKN42-20/2	847	278	569	210	260	222	277	80	160	200	252	165	104	18	12	80	77
VKF, VKX, VKN42-30/3-2	1090	358	732	255	330	222	277	80	160	200	252	165	104	18	12	80	150
VKF, VKX, VKN42-30/3	1090	358	732	255	330	222	277	80	160	200	252	165	104	18	12	80	150
VKF, VKX, VKN42-40/4-2	1170	438	732	255	330	222	277	80	160	200	252	165	104	18	12	80	162
VKF, VKX, VKN42-40/4	1170	438	732	255	330	222	277	80	160	200	252	165	104	18	12	80	162
VKF, VKX, VKN42-50/5-2	1300	518	782	255	330	222	277	80	160	200	252	165	104	18	12	80	182
VKF, VKX, VKN42-50/5	1300	518	782	255	330	222	277	80	160	200	252	165	104	18	12	80	182
VKF, VKX, VKN42-60/6-2	1405	598	807	285	360	222	277	80	160	200	252	165	104	18	12	80	225
VKF, VKX, VKN42-60/6	1405	598	807	285	360	222	277	80	160	200	252	165	104	18	12	80	225
VKF, VKX, VKN42-70/7-2	1560	678	882	310	400	222	277	80	160	200	252	165	104	18	12	80	288
VKF, VKX, VKN42-70/7	1560	678	882	310	400	222	277	80	160	200	252	165	104	18	12	80	288
VKF, VKX, VKN42-80/8-2	1640	758	882	310	400	222	277	80	160	200	252	165	104	18	12	80	292
VKF, VKX, VKN42-80/8	1640	758	882	310	400	222	277	80	160	200	252	165	104	18	12	80	292
VKF, VKX, VKN42-90/9-2	1720	838	882	310	400	222	277	80	160	200	252	165	104	18	12	80	296
VKF, VKX, VKN42-90/9	1720	838	882	310	400	222	277	80	160	200	252	165	104	18	12	80	296
VKF, VKX, VKN42-100/10-2	1800	918	882	310	400	222	277	80	160	200	252	165	104	18	12	80	320
VKF, VKX, VKN42-100/10	1800	918	882	310	400	222	277	80	160	200	252	165	104	18	12	80	320
VKF, VKX, VKN42-110/11-2	1915	998	917	345	450	222	277	80	160	200	252	165	104	18	12	80	385
VKF, VKX, VKN42-110/11	1915	998	917	345	450	222	277	80	160	200	252	165	104	18	12	80	385
VKF, VKX, VKN42-120/12-2	1995	1078	917	345	450	222	277	80	160	200	252	165	104	18	12	80	390
VKF, VKX, VKN42-120/12	1995	1078	917	345	450	222	277	80	160	200	252	165	104	18	12	80	390
VKF, VKX, VKN42-130/13-2	2075	1158	917	345	450	222	277	80	160	200	252	165	104	18	12	80	394

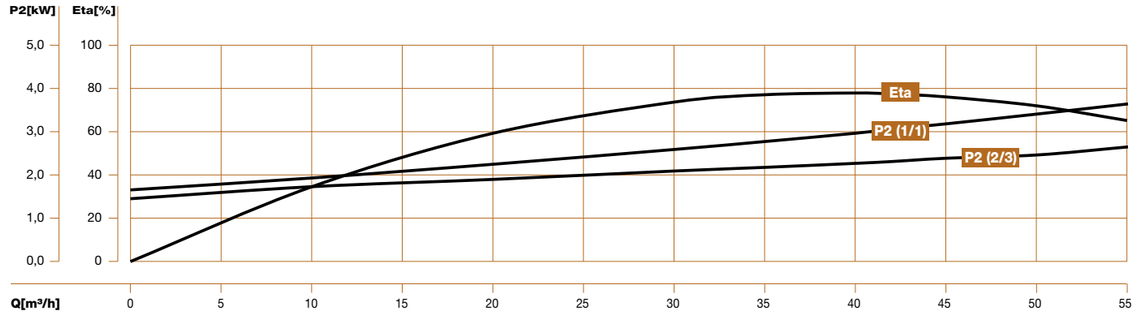
Performance table

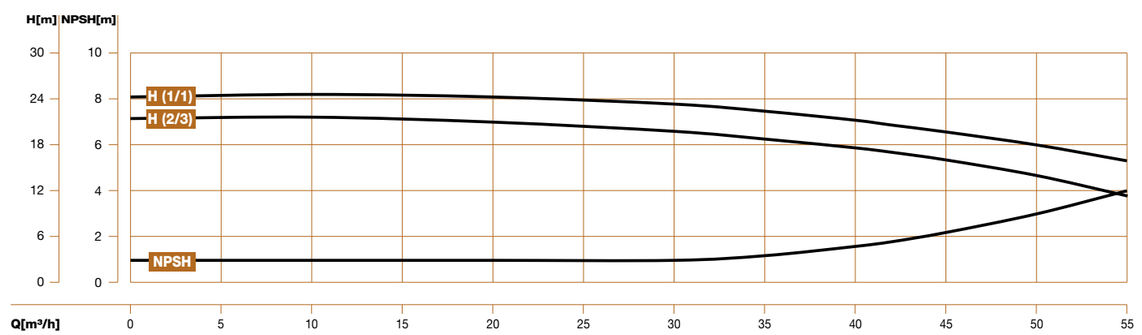
Model	I (A)		P2		Q	0	30	35	40	42	45	50	55
	3~230V	3~400V	kW	HP	m³/h								
VKF, VKX, VKN-42-10/1-1	10,7	6,2	3	4		20	19	18	17	16	15	13	11
VKF, VKX, VKN-42-10/1	-	8	4	5,5		24	23	22	21	20	19	18	16
VKF, VKX, VKN-42-20/2-2	-	10,9	5,5	7,5		40	38	36	33	32	30	27	23
VKF, VKX, VKN-42-20/2	-	14,5	7,5	10		50	46	44	42	41	39	35	31
VKF, VKX, VKN-42-30/3-2	-	21	11	15		65	61	58	54	52	50	44	38
VKF, VKX, VKN-42-30/3	-	21	11	15		79	69	66	63	61	58	53	47
VKF, VKX, VKN-42-40/4-2	-	28,4	15	20		92	84	80	75	73	69	62	54
VKF, VKX, VKN-42-40/4	-	28,4	15	20		100	92	88	84	81	78	71	62
VKF, VKX, VKN-42-50/5-2	-	34,7	18,5	25		119	107	102	96	93	88	80	69
VKF, VKX, VKN-42-50/5	-	34,7	18,5	25		124	115	110	105	101	97	88	78
VKF, VKX, VKN-42-60/6-2	-	41,1	22	30		143	130	124	117	113	108	97	85
VKF, VKX, VKN-42-60/6	-	41,1	22	30		150	138	132	125	122	116	106	93
VKF, VKX, VKN-42-70/7-2	-	55,7	30	40	mca	169	152	146	138	134	127	115	100
VKF, VKX, VKN-42-70/7	-	55,7	30	40		178	161	154	146	142	135	124	109
VKF, VKX, VKN-42-80/8-2	-	55,7	30	40		193	175	168	159	154	146	133	116
VKF, VKX, VKN-42-80/8	-	55,7	30	40		201	184	176	167	162	154	141	124
VKF, VKX, VKN-42-90/9-2	-	55,7	30	40		210	198	190	180	171	166	150	132
VKF, VKX, VKN-42-90/9	-	68,3	37	50		220	207	198	188	183	174	159	140
VKF, VKX, VKN-42-100/10-2	-	68,3	37	50		238	221	212	200	194	185	168	147
VKF, VKX, VKN-42-100/10	-	68,3	37	50		243	230	220	209	203	193	177	155
VKF, VKX, VKN-42-110/11-2	-	82,7	45	60		261	246	236	223	217	206	188	165
VKF, VKX, VKN-42-110/11	-	82,7	45	60		270	255	244	232	225	214	196	173
VKF, VKX, VKN-42-120/12-2	-	82,7	45	60		283	270	259	245	238	226	206	181
VKF, VKX, VKN-42-120/12	-	82,7	45	60		290	280	268	255	247	236	216	190
VKF, VKX, VKN-42-130/13-2	-	82,7	45	60		310	294	282	267	259	217	225	198

Performance curve ISO9906:2012 Grade 3B

VKF,VKX,VKN42 50Hz







Notes

202232-CTL-VK-EN
subject to amendments

BE
PUMPING
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