

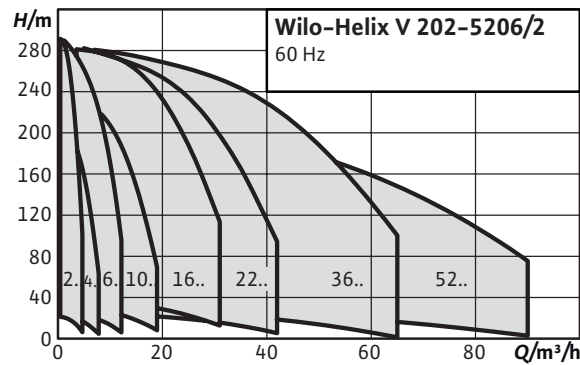
Pioneering for You

wilo

Range Leaflet – Edition 03/2017 – 60 Hz

Wilo-Helix V





Wilo-Helix V

Design

Non-self-priming, high-efficiency multistage high-pressure centrifugal pump in vertical design with in-line connections

Type key

Example: **Helix V 2202/2-1/16/E/X/KS../460-60**

Helix V	Vertical high-pressure multistage centrifugal pump in in-line design
22	Flow rate in m³/h
02	Number of impellers
2	Number of trimmed impellers (optionally)
1	Pump material
	1 = Pump housing 1.4301 (AISI 304) Hydraulics 1.4307 (AISI 304L)
	2 = Pump housing 1.4409 (AISI 316L) Hydraulics 1.4404 (AISI 316L)
16	Maximum operating pressure in bar
	16 = 16 bar (PN 16 flange) 25 = 25 bar (PN 25 flange) 30 = 30 bar (PN 40 flange)
E	Gasket type
	E = EPDM V = FKM
X	"X-Care" special version
K	Cartridge type mechanical seal
S	The coupling guard is on a line with suction and discharge ports of the pump.
..	Optional
460	Connection voltage in V
60	Frequency in Hz

Special features/product advantages

- Efficiency-optimised, laser-welded 2D/3D hydraulics, flow and degassing optimised
- Corrosion-resistant impellers, guide vane apparatuses and stage housings
- Flow and NPSH-optimised pump housing
- Maintenance-friendly design with particularly robust coupling guard
- Drinking water approval for pumps with parts that come in contact with the fluid made of stainless steel (EPDM version)

Application

- Water supply and pressure boosting
- Industrial circulation systems
- Process water
- Closed cooling circuits
- Fire extinguishing systems
- Washing systems
- Irrigation

Technical data

- Electrical connection: 3~440-480 V (±6 %), 60 Hz; optional 3~440-480 V (±6 %), 60 Hz

- Fluid temperature range:
 - Helix V 2 – 16 (EPDM): –30 to 120 °C (130 °C on request)
 - Helix V 2 – 16 for aggressive media (FKM): –15 to 90 °C
 - Helix V22 – 52 (EPDM): –20 to 120 °C (130 °C on request)
 - Helix V22 – 52 for aggressive media (FKM): –15 to 90 °C
- Max. operating pressure: 16/25/30 bar
- Protection class: IP 55
- Max. ambient temperature: –15 to 40 °C (extended temperature ranges on request)
- Available versions:
 - Helix V 2 – 16: PN 16 with oval flanges, PN 25 with round flanges according to ISO 2531 and ISO 7005 (Victaulic coupling on request)
 - Helix V 22 – 52: PN 16/PN 25/PN 40 with round flanges according to ISO 2531 and ISO 7005

Equipment/function

- Corrosion-resistant impellers, diffusers and stage housings

Materials

Helix V 2, 4, 6, 10, 16:

Standard version

- Impellers, stage housings and guide vane apparatuses of stainless steel 1.4307 (AISI 304L)
- Pump housing made of stainless steel 1.4301 (AISI 304)
- Baseplate and lantern in EN-GJL-250 (cataphoretic coated)
- Shaft made of stainless steel 1.4301 (AISI 304) or 1.4462 (AISI 318LN) (depending on version)
- Sleeve under the mechanical seal 1.4404 (AISI 316L)
- O-ring of EPDM (FKM gasket on request)
- Jacket pipe made of stainless steel 1.4301 (AISI 304)

For aggressive media (optional)

- Impellers, stage housings and guide vane apparatuses of stainless steel 1.4404 (AISI 316L)
- Pump housing made of stainless steel 1.4404 (AISI 316L)
- Shaft made of stainless steel 1.4404 (AISI 316L) or 1.4462 (AISI 318LN) (depending on version)
- Sleeve under the mechanical seal 1.4404 (AISI 316L)

- O-ring of FKM (EPDM gasket on request)
- Jacket pipe made of stainless steel 1.4404 (AISI 316L)

Helix V 22, 36, 52:

Standard version

- Stage housings, impellers, guide vane apparatuses made of stainless steel 1.4307 (AISI 304L)
- Pump housing made of stainless steel 1.4308 (AISI 304), loose flanges made of cataphoretic-coated grey cast iron EN-GJL 250 for Helix V 22 / EN-GJS 400 for Helix V 36–52.
- Shaft made of stainless steel 1.4057 (AISI 431)
- Sleeve under the mechanical seal 1.4404 (AISI 316L)
- O-ring of EPDM (FKM gasket on request)
- Jacket pipe made of stainless steel 1.4301 (AISI 304)

For aggressive media (optional)

- Stage housings, impellers, and guide vane apparatuses made of stainless steel 1.4404 (AISI 316L)
- Pump housing: all parts which come in contact with the media are made of cast stainless steel 1.4409 (AISI 316L); loose flanges of cataphoretic-coated grey cast iron EN-GJL 250 for Helix V 22 / EN-GJS 400 for Helix V 36–52.
- Baseplate made of stainless steel 1.4301 (AISI 304)
- Shaft made of stainless steel 1.4404 (AISI 316L) or 1.4462 (AISI 318LN) (depending on version)
- Sleeve under the mechanical seal 1.4404 (AISI 316L)
- O-ring of FKM (EPDM gasket on request)
- Pressure shroud made of stainless steel 1.4404 (AISI 316L)

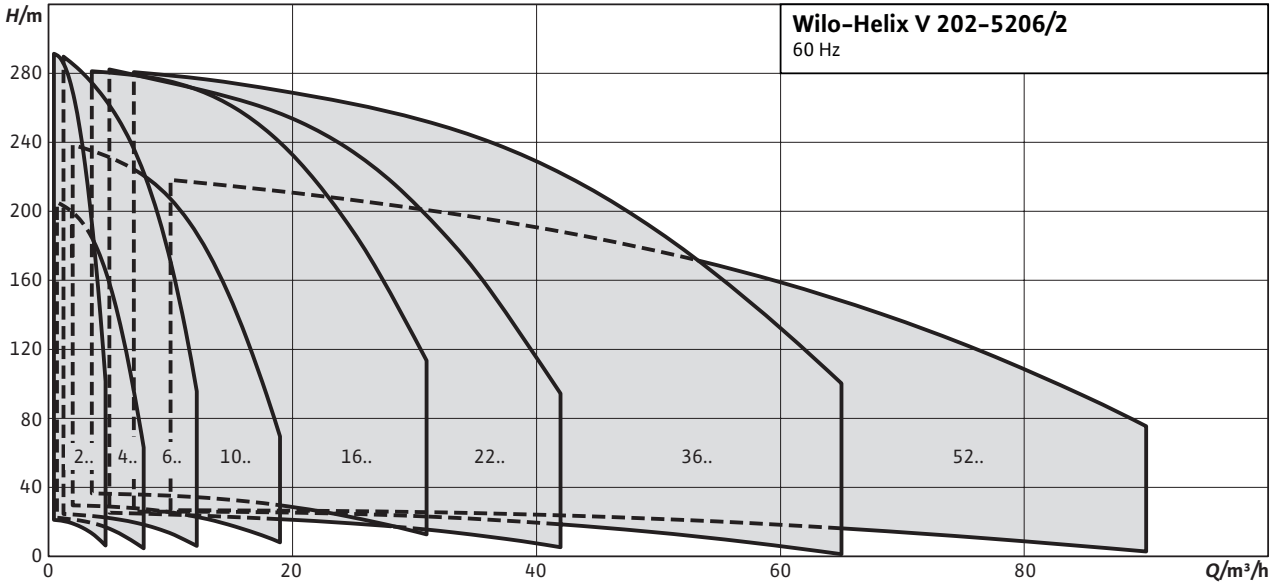
Description/design

- Pumps can be adapted to specific circumstances on request (e.g. motor protection, ATEX, extended ambient temperature range).
- The Helix series is also available with an integrated frequency converter.

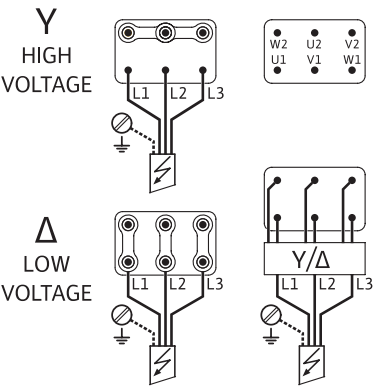
Scope of delivery

- Helix V high-pressure multistage centrifugal pump
- Installation and operating instructions
- Helix V 2 – 16 (version PN16 with oval flanges): Oval counter flanges with the corresponding screws, nuts and gaskets

Pump curves

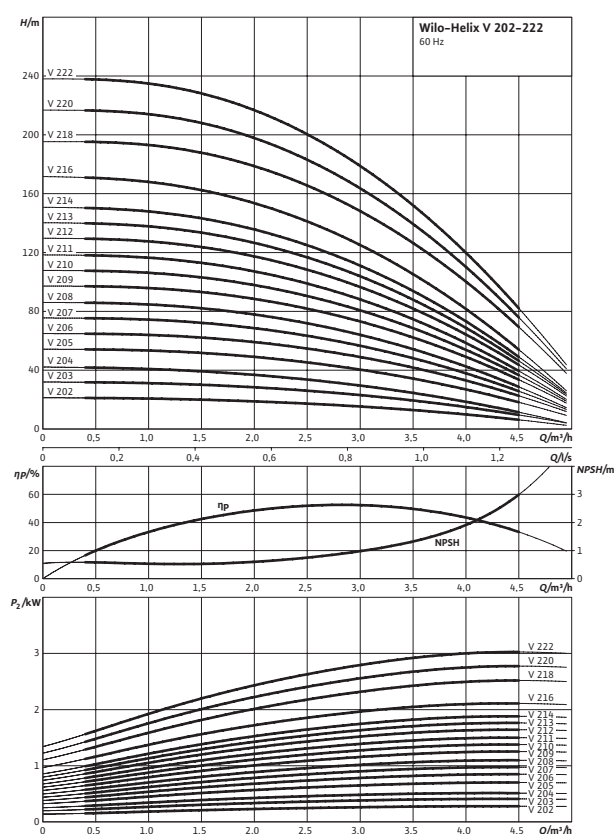


Terminal diagram



Pump curves Helix V 202–222

Wilo-Helix V

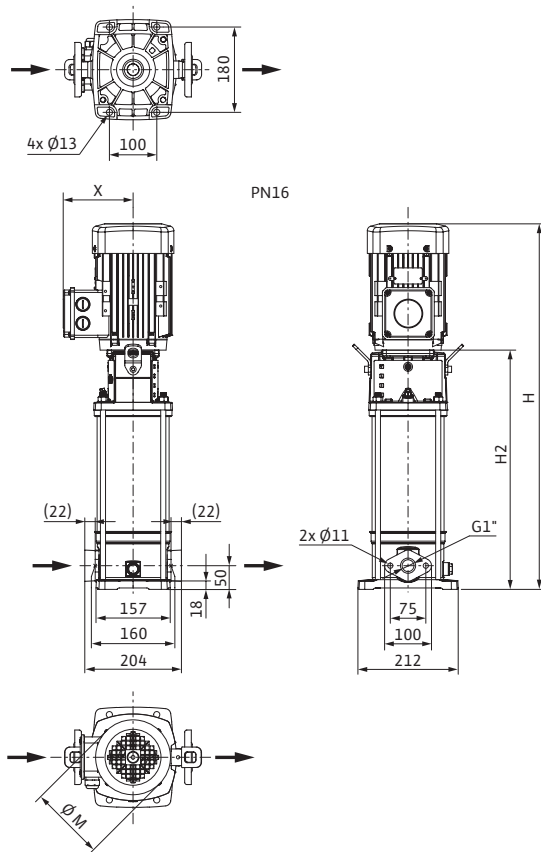


Motor data

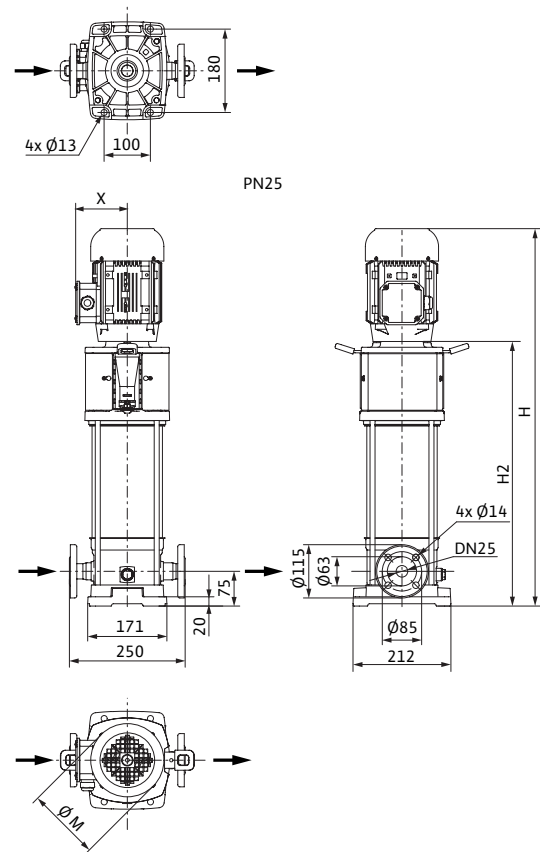
Type	Rated power	Nominal current		Motor efficiency		
		3~460 V, 60 Hz				
	P_2 kW	I A	$\eta_{m 50\%}$	$\eta_{m 75\%}$ %	$\eta_{m 100\%}$	
Helix V 202	0.37	0.86	68.5	74.5	76.0	
Helix V 203	0.55	1.34	75.0	76.8	76.8	
Helix V 204	0.55	1.34	75.0	76.8	76.8	
Helix V 205	0.75	1.4	71.5	75.4	77.0	
Helix V 206	1.10	1.9	78.0	82.2	84.0	
Helix V 207	1.10	1.9	78.0	82.2	84.0	
Helix V 208	1.10	1.9	78.0	82.2	84.0	
Helix V 209	1.50	2.8	79.0	85.6	85.5	
Helix V 210	1.50	2.8	79.0	85.6	85.5	
Helix V 211	1.50	2.8	79.0	85.6	85.5	
Helix V 212	2.20	3.9	84.3	86.7	86.5	
Helix V 213	2.20	3.9	84.3	86.7	86.5	
Helix V 214	2.20	3.9	84.3	86.7	86.5	
Helix V 216	2.20	3.9	84.3	86.7	86.5	
Helix V 218	3.00	4.9	86.3	88.7	88.5	
Helix V 220	3.00	4.9	86.3	88.7	88.5	
Helix V 222	3.00	4.9	86.3	88.7	88.5	

Motor efficiency based on 460 V, 60 Hz

Dimension drawing Helix V 2/V4, PN 16



Dimension drawing Helix V 2/V 4, PN 25

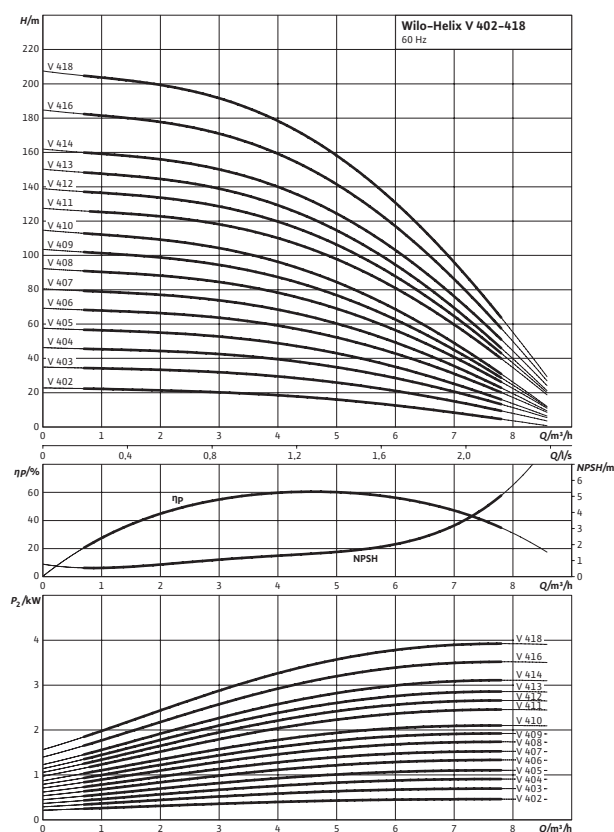


Dimensions, weights

Type	Maximum operating pressure	Nominal diameter, flange	Nominal flange diameter	Dimensions				Weight approx.
				H	H2	Ø M	X	
	p_{max} bar		DN			mm		m kg
Helix V 202	16	G 1	-	535	311	130	121	16.0
Helix V 203	16	G 1	-	560	336	130	121	18.0
Helix V 204	16	G 1	-	585	361	130	121	18.0
Helix V 205	16	G 1	-	640	396	158	115	24.0
Helix V 206	16	G 1	-	665	421	158	115	26.0
Helix V 207	16	G 1	-	690	446	158	115	26.0
Helix V 208	16	G 1	-	715	471	158	115	27.0
Helix V 209	16	G 1	-	773	506	193	132	32.0
Helix V 210	16	G 1	-	798	531	193	132	33.0
Helix V 211	16	G 1	-	823	556	193	132	33.0
Helix V 212	16	G 1	-	848	581	193	132	35.0
Helix V 213	25	-	25	973	706	193	132	44.0
Helix V 214	25	-	25	973	706	193	132	44.0
Helix V 216	25	-	25	1023	756	193	132	45.0
Helix V 218	25	-	25	1108	816	217	141	53.0
Helix V 220	25	-	25	1158	866	217	141	54.0
Helix V 222	25	-	25	1258	966	217	141	55.0

Pump curves Helix V 402-418

Wilo-Helix V

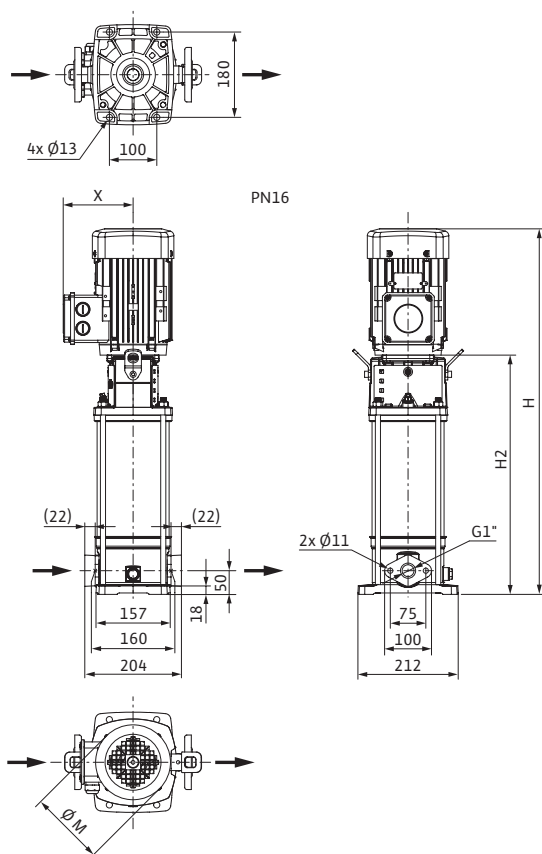


Motor data

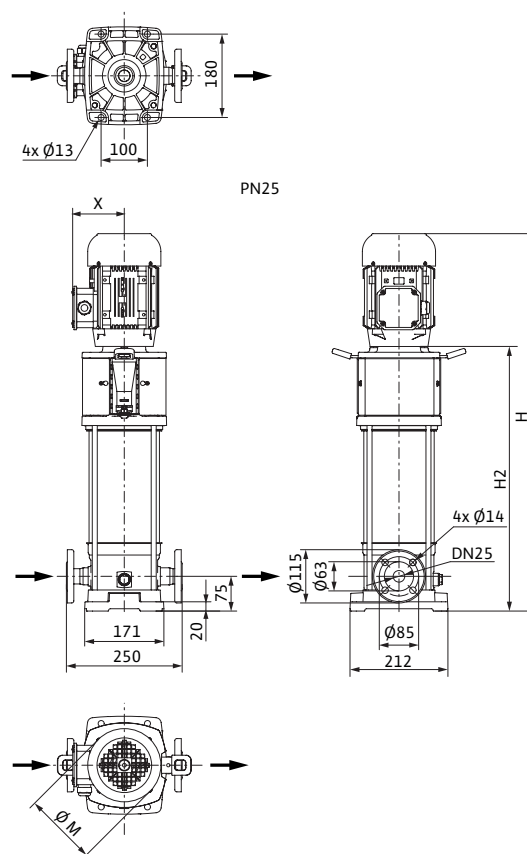
Type	Rated power	Nominal current 3~460 V, 60 Hz	Motor efficiency		
			$\eta_{m 50\%}$	$\eta_{m 75\%}$ %	$\eta_{m 100\%}$
Helix V 402	0.55	1.34	75.0	76.8	76.8
Helix V 403	0.75	1.4	71.5	75.4	77.0
Helix V 404	1.10	1.9	78.0	82.2	84.0
Helix V 405	1.10	1.9	78.0	82.2	84.0
Helix V 406	1.50	2.8	79.0	85.6	85.5
Helix V 407	1.50	2.8	79.0	85.6	85.5
Helix V 408	2.20	3.9	84.3	86.7	86.5
Helix V 409	2.20	3.9	84.3	86.7	86.5
Helix V 410	2.20	3.9	84.3	86.7	86.5
Helix V 411	3.00	4.9	86.3	88.7	88.5
Helix V 412	3.00	4.9	86.3	88.7	88.5
Helix V 413	3.00	4.9	86.3	88.7	88.5
Helix V 414	4.00	7	86.3	88.0	88.5
Helix V 416	4.00	7	86.3	88.0	88.5
Helix V 418	4.00	7	86.3	88.0	88.5

Motor efficiency based on 460 V, 60 Hz

Dimension drawing Helix V 2/V4, PN 16



Dimension drawing Helix V 2/V 4, PN 25

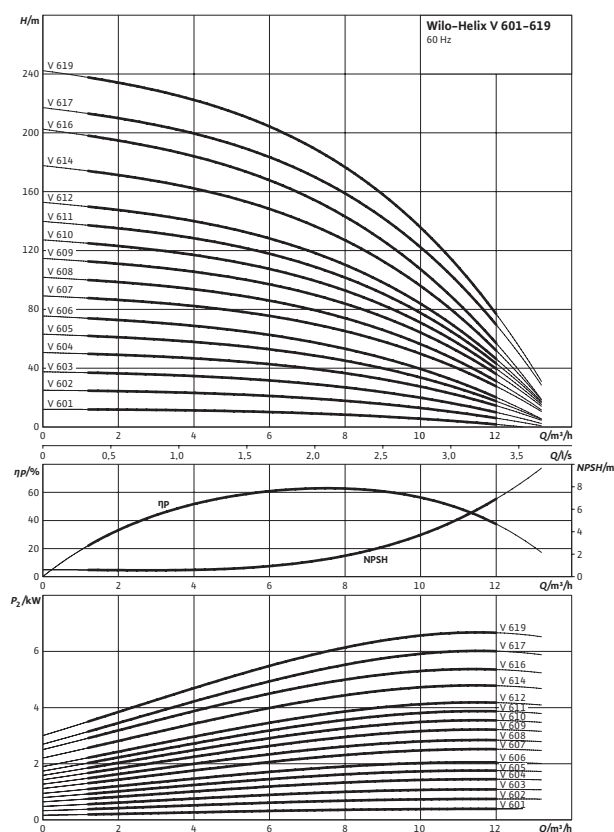


Dimensions, weights

Type	Maximum operating pressure	Nominal diameter, flange	Nominal flange diameter	Dimensions				Weight approx.
				H	H2	Ø M	X	
	p_{max} bar		DN			mm		m kg
Helix V 402	16	G 1	-	535	311	130	121	17.0
Helix V 403	16	G 1	-	590	346	158	115	23.0
Helix V 404	16	G 1	-	615	371	158	115	24.0
Helix V 405	16	G 1	-	640	396	158	115	25.0
Helix V 406	16	G 1	-	698	431	193	132	30.0
Helix V 407	16	G 1	-	723	456	193	132	31.0
Helix V 408	16	G 1	-	748	481	193	132	33.0
Helix V 409	16	G 1	-	773	506	193	132	33.0
Helix V 410	16	G 1	-	798	531	193	132	34.0
Helix V 411	16	G 1	-	858	566	217	141	41.0
Helix V 412	25	-	25	958	666	217	141	50.0
Helix V 413	25	-	25	1008	716	217	141	51.0
Helix V 414	25	-	25	1022	716	196	145	52.0
Helix V 416	25	-	25	1072	766	196	145	53.0
Helix V 418	25	-	25	1122	816	196	145	54.0

Pump curves Helix V 601-619

Wilo-Helix V



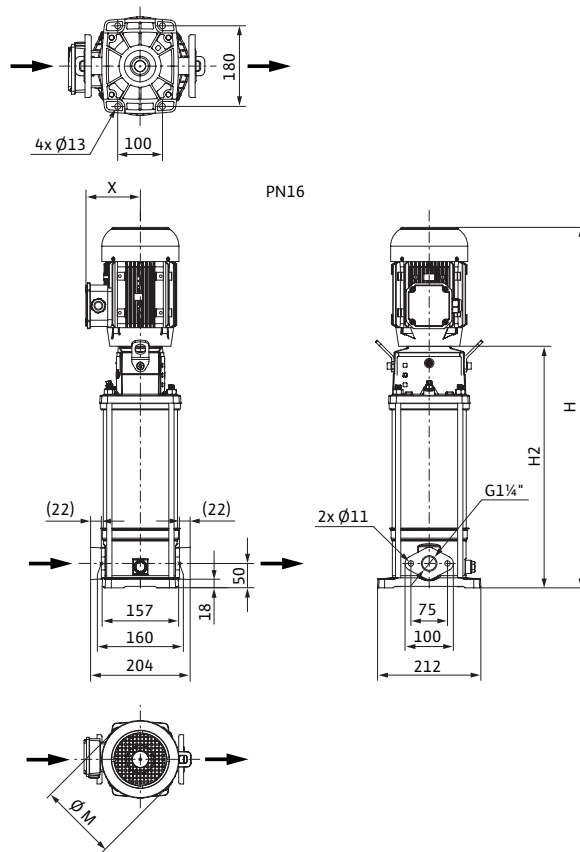
Motor data

Type	Rated power	Nominal current 3~460 V, 60 Hz	Motor efficiency		
	P_2 kW	I A	$\eta_{m 50\%}$	$\eta_{m 75\%}$ %	$\eta_{m 100\%}$
Helix V 602	0.75	1.4	71.5	75.4	77.0
Helix V 603	1.10	1.9	78.0	82.2	84.0
Helix V 604	1.50	2.8	79.0	85.6	85.5
Helix V 605	2.20	3.9	84.3	86.7	86.5
Helix V 606	2.20	3.9	84.3	86.7	86.5
Helix V 607	3.00	4.9	86.3	88.7	88.5
Helix V 608	3.00	4.9	86.3	88.7	88.5
Helix V 609	4.00	7	86.3	88.0	88.5
Helix V 610	4.00	7	86.3	88.0	88.5
Helix V 611	4.00	7	86.3	88.0	88.5
Helix V 612	5.50	9.2	88.0	89.6	89.5
Helix V 614	5.50	9.2	88.0	89.6	89.5
Helix V 616	5.50	9.2	88.0	89.6	89.5
Helix V 617	7.50	11.6	87.8	89.8	90.2
Helix V 619	7.50	11.6	87.8	89.8	90.2

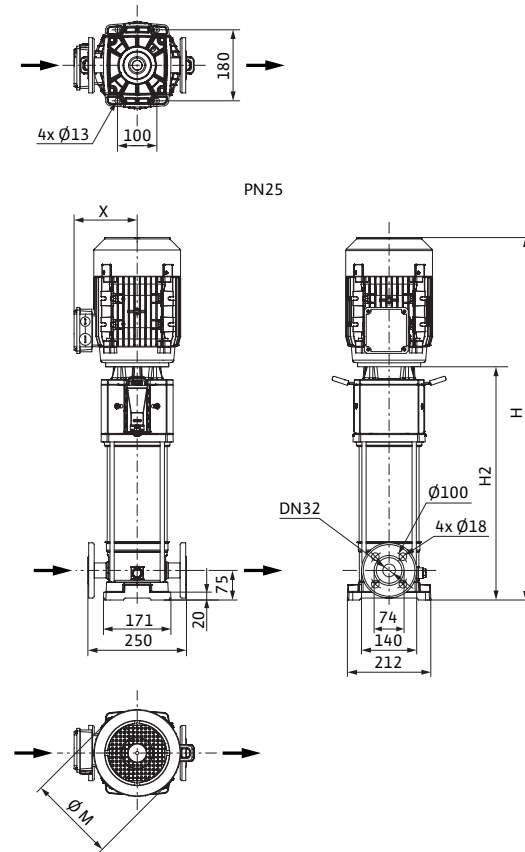
Motor efficiency based on 460 V, 60 Hz

Wilo-Helix V 601 available upon request

Dimension drawing Helix V 6, PN 16



Dimension drawing Helix V 6, PN 25



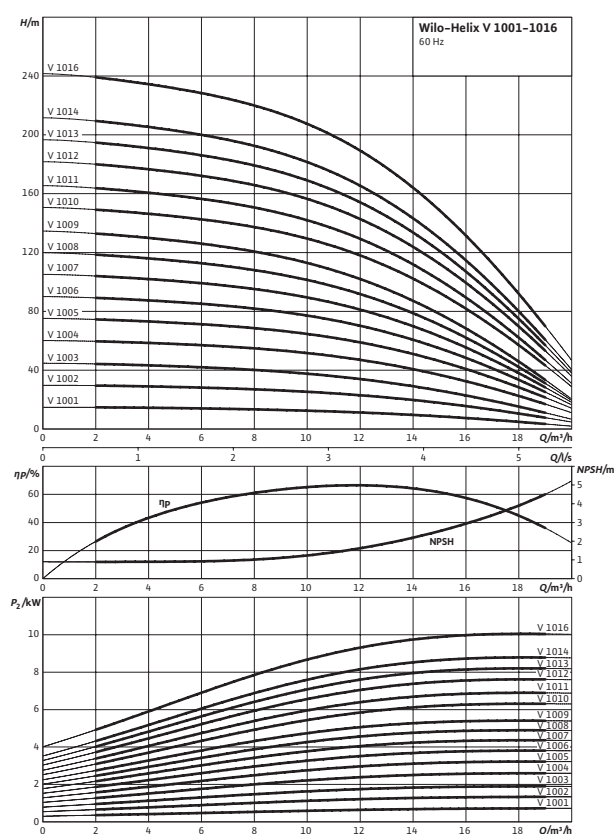
Dimensions, weights

Type	Maximum operating pressure	Nominal diameter, flange	Nominal flange diameter	Dimensions				Weight approx.
				H	H2	Ø M	X	
	p_{max} bar		DN			mm		m kg
Helix V 602	16	G 1¼	-	590	346	158	115	23.0
Helix V 603	16	G 1¼	-	628	384	158	115	25.0
Helix V 604	16	G 1¼	-	698	431	193	132	31.0
Helix V 605	16	G 1¼	-	736	469	193	132	33.0
Helix V 606	16	G 1¼	-	773	506	193	132	34.0
Helix V 607	16	G 1¼	-	846	554	217	141	42.0
Helix V 608	16	G 1¼	-	883	591	217	141	43.0
Helix V 609	16	G 1¼	-	935	629	196	145	45.0
Helix V 610	16	G 1¼	-	972	666	196	145	46.0
Helix V 611	25	-	32	1122	816	196	145	55.0
Helix V 612	25	-	32	1152	816	232	149	60.0
Helix V 614	25	-	32	1227	891	232	149	62.0
Helix V 616	25	-	32	1302	966	232	149	64.0
Helix V 617	25	-	32	1511	1161	225	160	71.0
Helix V 619	25	-	32	1586	1236	225	160	72.0

Wilo-Helix V 601 available upon request

Pump curves Helix V 1001-1016

Wilo-Helix V



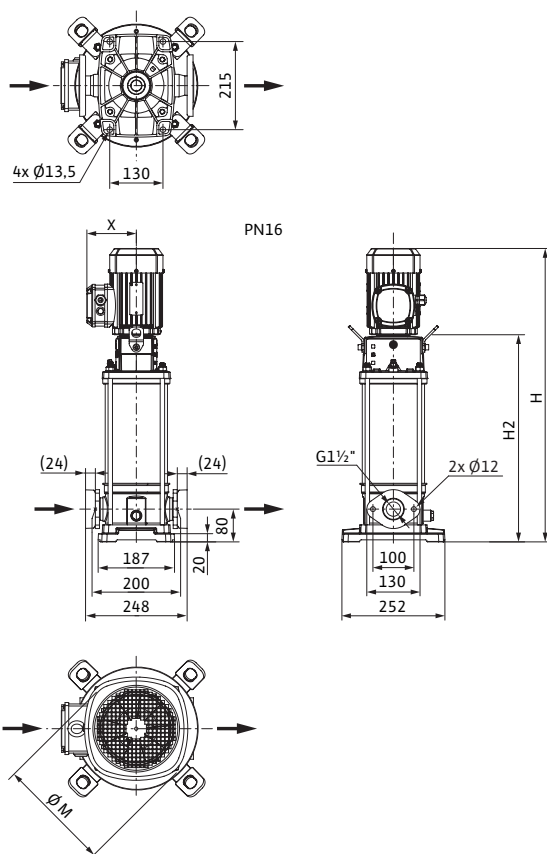
Motor data

Type	Rated power	Nominal current 3~460 V, 60 Hz	Motor efficiency		
	P ₂ kW	I A	η _{m 50%}	η _{m 75%} %	η _{m 100%}
Helix V 1002	1.50	2.8	79.0	85.6	85.5
Helix V 1003	2.20	3.9	84.3	86.7	86.5
Helix V 1004	3.00	4.9	86.3	88.7	88.5
Helix V 1005	4.00	7	86.3	88.0	88.5
Helix V 1006	4.00	7	86.3	88.0	88.5
Helix V 1007	5.50	9.2	88.0	89.6	89.5
Helix V 1008	5.50	9.2	88.0	89.6	89.5
Helix V 1009	5.50	9.2	88.0	89.6	89.5
Helix V 1010	7.50	11.6	87.8	89.8	90.2
Helix V 1011	7.50	11.6	87.8	89.8	90.2
Helix V 1012	9.00	13.4	86.7	89.3	91.0
Helix V 1013	9.00	13.4	86.7	89.3	91.0
Helix V 1014	9.00	13.4	86.7	89.3	91.0
Helix V 1016	11.00	16.1	88.4	90.3	91.0

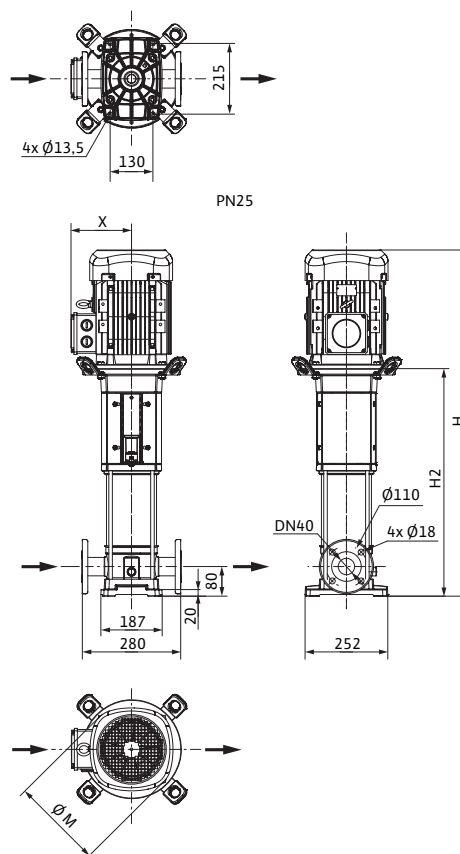
Motor efficiency based on 460 V, 60 Hz

Wilo-Helix V 1001 available upon request

Dimension drawing Helix V 10, PN 16



Dimension drawing Helix V 10, PN 25



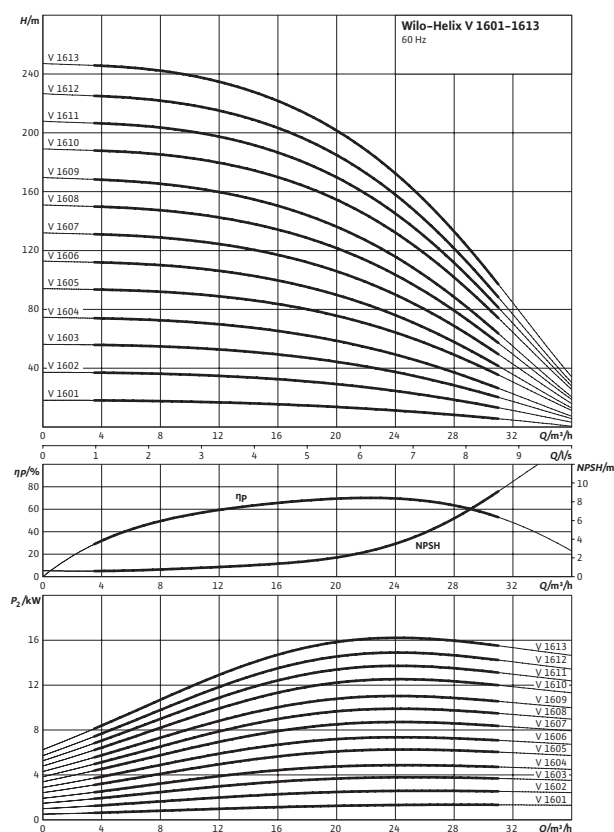
Dimensions, weights

Type	Maximum operating pressure	Nominal diameter, flange	Nominal flange diameter	Dimensions				Weight approx.
				H	H2	Ø M	X	
	p_{max} bar		DN			mm		m kg
Helix V 1002	16	G 1½	-	644	377	193	132	34.0
Helix V 1003	16	G 1½	-	682	415	193	132	37.0
Helix V 1004	16	G 1½	-	754	462	217	141	43.0
Helix V 1005	16	G 1½	-	806	500	196	145	46.0
Helix V 1006	16	G 1½	-	843	537	196	145	47.0
Helix V 1007	16	G 1½	-	911	575	232	149	53.0
Helix V 1008	16	G 1½	-	948	612	232	149	53.0
Helix V 1009	25	-	40	1036	700	232	149	61.0
Helix V 1010	25	-	40	1207	857	225	160	66.0
Helix V 1011	25	-	40	1282	932	225	160	68.0
Helix V 1012	25	-	40	1328	932	279	182	121.0
Helix V 1013	25	-	40	1403	1007	279	182	123.0
Helix V 1014	25	-	40	1403	1007	279	182	124.0
Helix V 1016	25	-	40	1478	1082	279	182	110.0

Wilo-Helix V 1001 available upon request

Pump curves Helix V 1601-1613

Wilo-Helix V



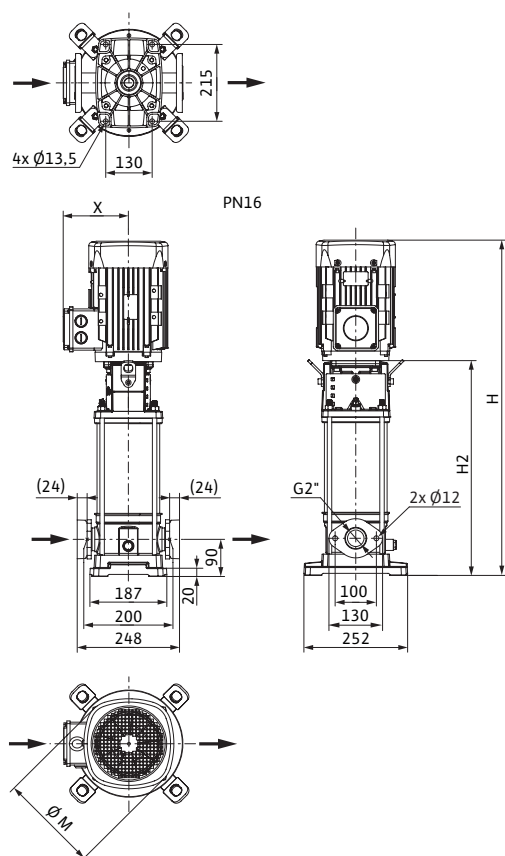
Motor data

Type	Rated power	Nominal current 3~460 V, 60 Hz	Motor efficiency		
	P_2 kW	I A	$\eta_{m 50\%}$	$\eta_{m 75\%}$ %	$\eta_{m 100\%}$
Helix V 1602	3.00	4.9	86.3	88.7	88.5
Helix V 1603	4.00	7	86.3	88.0	88.5
Helix V 1604	5.50	9.2	88.0	89.6	89.5
Helix V 1605	7.50	11.6	87.8	89.8	90.2
Helix V 1606	7.50	11.6	87.8	89.8	90.2
Helix V 1607	9.00	13.4	86.7	89.3	91.0
Helix V 1608	11.00	16.1	88.4	90.3	91.0
Helix V 1609	11.00	16.1	88.4	90.3	91.0
Helix V 1610	15.00	21.8	89.0	91.0	91.0
Helix V 1611	15.00	21.8	89.0	91.0	91.0
Helix V 1612	15.00	21.8	89.0	91.0	91.0
Helix V 1613	18.50	27	89.5	91.5	91.7

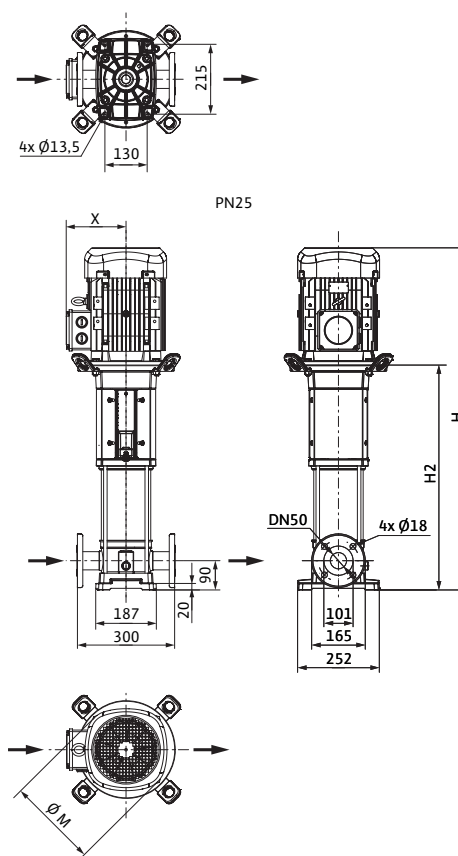
Motor efficiency based on 460 V, 60 Hz

Wilo-Helix V 1601 available upon request

Dimension drawing Helix V 16, PN 16



Dimension drawing Helix V 16, PN 25



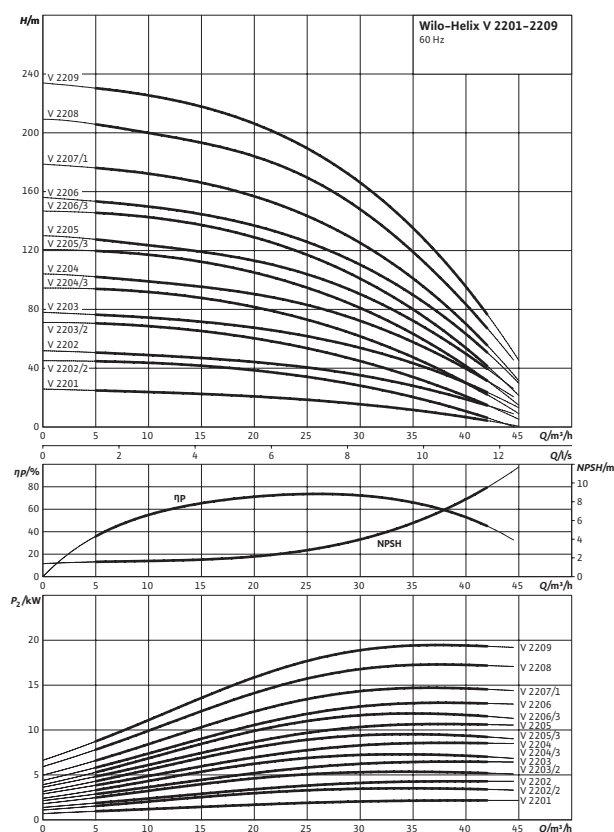
Dimensions, weights

Type	Maximum operating pressure	Nominal diameter, flange	Nominal flange diameter	Dimensions				Weight approx.
				H	H2	Ø M	X	
	p_{max} bar		DN			mm		m kg
Helix V 1602	16	G 2	-	713	421	217	141	44.0
Helix V 1603	16	G 2	-	777	471	196	145	46.0
Helix V 1603	25	-	50	828	522	196	145	52.0
Helix V 1604	16	G 2	-	857	521	232	149	65.0
Helix V 1604	25	-	50	908	572	232	149	57.0
Helix V 1605	16	G 2	-	1092	742	225	160	65.0
Helix V 1606	16	G 2	-	1142	792	225	160	66.0
Helix V 1606	25	-	50	1142	792	225	160	78.0
Helix V 1607	16	G 2	-	1238	842	279	182	120.0
Helix V 1607	25	-	50	1238	842	279	182	95.0
Helix V 1608	16	G 2	-	1288	892	279	182	105.0
Helix V 1609	25	-	50	1338	942	279	182	114.0
Helix V 1610	25	-	50	1487	1021	302	200	173.0
Helix V 1611	25	-	50	1587	1121	302	200	173.0
Helix V 1612	25	-	50	1587	1121	302	200	173.0
Helix V 1613	25	-	50	1737	1271	302	200	214.0

Wilo-Helix V 1601 available upon request

Pump curves Helix V 2201–2209

Wilo-Helix V

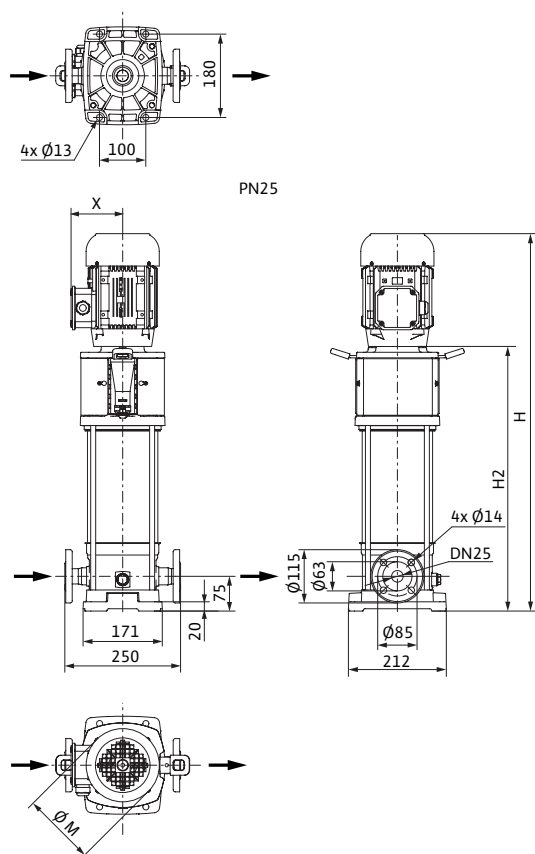


Motor data

Type	Rated power	Nominal current 3~460 V, 60 Hz	Motor efficiency		
	P_2 kW	I A	$\eta_{m 50\%}$	$\eta_{m 75\%}$ %	$\eta_{m 100\%}$
Helix V 2201	2.20	3.9	84.3	86.7	86.5
Helix V 2202/2	4.00	7	86.3	88.0	88.5
Helix V 2202	5.50	9.2	88.0	89.6	89.5
Helix V 2203/2	5.50	9.2	88.0	89.6	89.5
Helix V 2203	7.50	11.6	87.8	89.8	90.2
Helix V 2204/3	7.50	11.6	87.8	89.8	90.2
Helix V 2204	11.00	16.1	88.4	90.3	91.0
Helix V 2205/3	11.00	16.1	88.4	90.3	91.0
Helix V 2205	11.00	16.1	88.4	90.3	91.0
Helix V 2206/3	15.00	21.8	89.0	91.0	91.0
Helix V 2206	15.00	21.8	89.0	91.0	91.0
Helix V 2207/1	15.00	21.8	89.0	91.0	91.0
Helix V 2208	18.50	27	89.5	91.5	91.7
Helix V 2209	22.00	31.2	89.0	91.4	91.7

Motor efficiency based on 460 V, 60 Hz

Dimension drawing Helix V 2/ V 4, PN 25

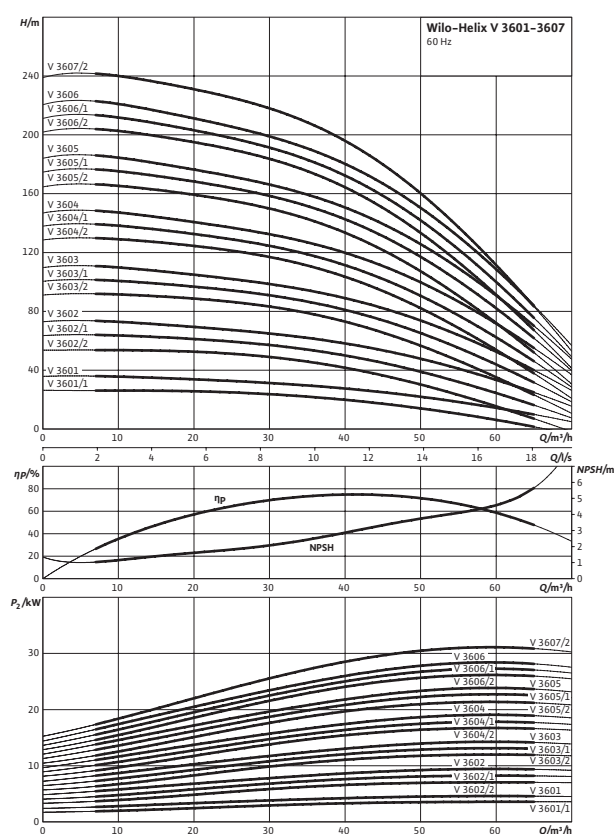


Dimensions, weights

Type	Maximum operating pressure	Nominal diameter, flange	Nominal flange diameter	Dimensions				Weight approx.
				H	H2	Ø M	X	
	p_{max} bar		DN			mm		m kg
Helix V 2201	16	-	50	755	488	193	132	60.0
Helix V 2202/2	16	-	50	772	498	196	145	67.0
Helix V 2202	16	-	50	823	498	232	149	76.0
Helix V 2203/2	16	-	50	905	548	232	149	78.0
Helix V 2203	16	-	50	1013	664	225	160	105.0
Helix V 2204/3	16	-	50	1041	714	225	160	108.0
Helix V 2204	16	-	50	1041	714	279	182	110.0
Helix V 2205/3	16	-	50	1114	764	279	182	112.0
Helix V 2205	16	-	50	1114	764	279	182	112.0
Helix V 2206/3	25	-	50	1194	844	302	200	173.0
Helix V 2206	25	-	50	1194	844	302	200	173.0
Helix V 2207/1	25	-	50	1290	894	302	200	175.0
Helix V 2208	25	-	50	1340	944	302	200	189.0
Helix V 2209	25	-	50	1390	994	302	200	191.0

Pump curves Helix V 3601–3607

Wilo-Helix V

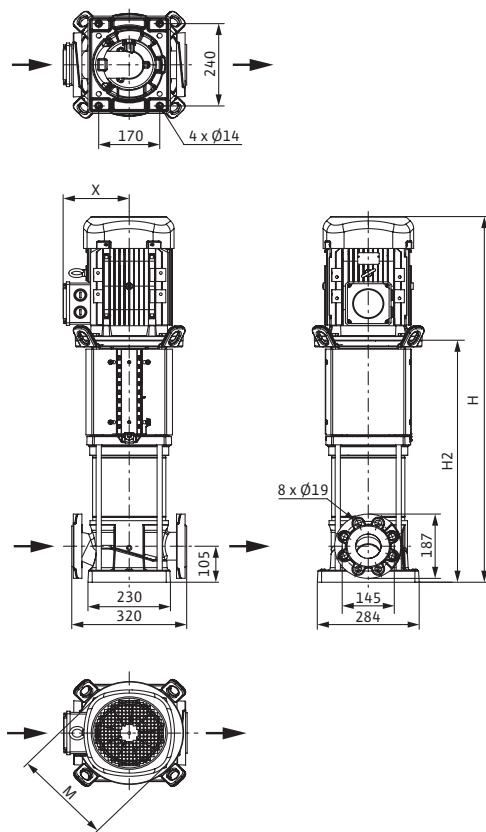


Motor data

Type	Rated power	Nominal current 3~460 V, 60 Hz	Motor efficiency		
	P_2 kW	I A	$\eta_{m 50\%}$	$\eta_{m 75\%}$ %	$\eta_{m 100\%}$
Helix V 3601/1	4.00	7	86.3	88.0	88.5
Helix V 3601	5.50	9.2	88.0	89.6	89.5
Helix V 3602/1	9.00	13.4	86.7	89.3	91.0
Helix V 3602/2	7.50	11.6	87.8	89.8	90.2
Helix V 3602	11.00	16.1	88.4	90.3	91.0
Helix V 3603/1	15.00	21.8	89.0	91.0	91.0
Helix V 3603/2	15.00	21.8	89.0	91.0	91.0
Helix V 3603	15.00	21.8	89.0	91.0	91.0
Helix V 3604/1	18.50	27	89.5	91.5	91.7
Helix V 3604/2	18.50	27	89.5	91.5	91.7
Helix V 3604	22.00	31.2	89.0	91.4	91.7
Helix V 3605/1	30.00	48.9	91.0	91.7	92.4
Helix V 3605/2	22.00	31.2	89.0	91.4	91.7
Helix V 3605	30.00	48.9	91.0	91.7	92.4
Helix V 3606/1	30.00	48.9	91.0	91.7	92.4
Helix V 3606/2	30.00	48.9	91.0	91.7	92.4
Helix V 3606	30.00	48.9	91.0	91.7	92.4
Helix V 3607/2	37.00	59.1	91.0	92.9	93.0

Motor efficiency based on 460 V, 60 Hz

Dimension drawing

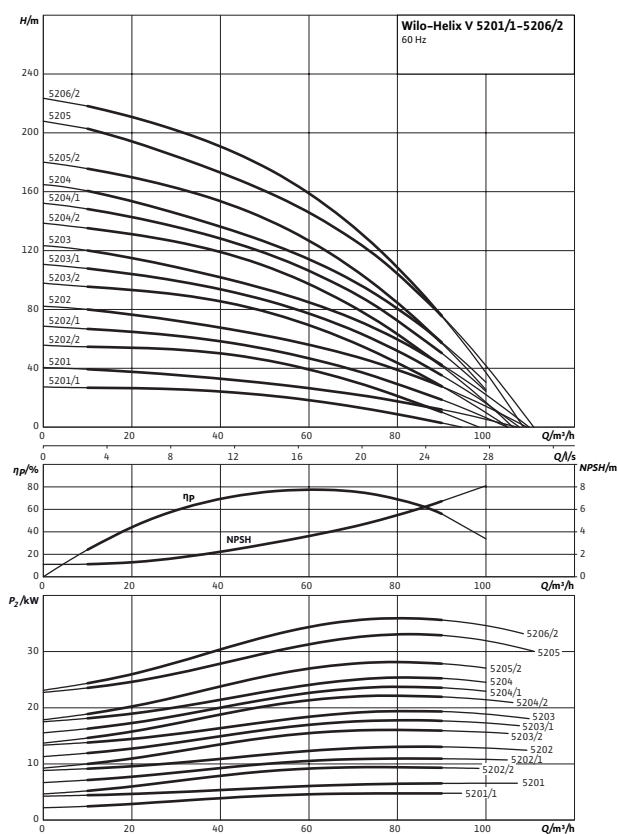


Dimensions, weights

Type	Maximum operating pressure	Nominal diameter, flange	Nominal flange diameter	Dimensions				Weight approx.
				H	H2	Ø M	X	
	p_{max} bar		DN			mm		m kg
Helix V 3601/1	16	-	65	740	466	196	145	74.0
Helix V 3601	16	-	65	791	466	232	149	83.0
Helix V 3602/1	16	-	65	1045	649	279	182	118.0
Helix V 3602/2	16	-	65	999	649	225	160	118.0
Helix V 3602	16	-	65	1045	649	279	182	120.0
Helix V 3603/1	16	-	65	1212	746	302	200	182.0
Helix V 3603/2	16	-	65	1212	746	302	200	182.0
Helix V 3603	16	-	65	1212	746	302	200	182.0
Helix V 3604/1	16	-	65	1278	812	302	200	196.0
Helix V 3604/1	25	-	65	1278	812	302	200	196.0
Helix V 3604/2	16	-	65	1278	812	302	200	196.0
Helix V 3604	16	-	65	1278	812	302	200	196.0
Helix V 3604	25	-	65	1278	812	302	200	199.0
Helix V 3605/1	25	-	65	1434	879	415	261	269.0
Helix V 3605/2	25	-	65	1345	879	302	200	269.0
Helix V 3605	25	-	65	1434	879	415	261	272.0
Helix V 3606/1	25	-	65	1501	946	415	261	272.0
Helix V 3606/2	25	-	65	1501	946	415	261	272.0
Helix V 3606	25	-	65	1501	946	415	261	275.0
Helix V 3607/2	25	-	65	1567	1012	415	261	94.0

Pump curves

Wilo-

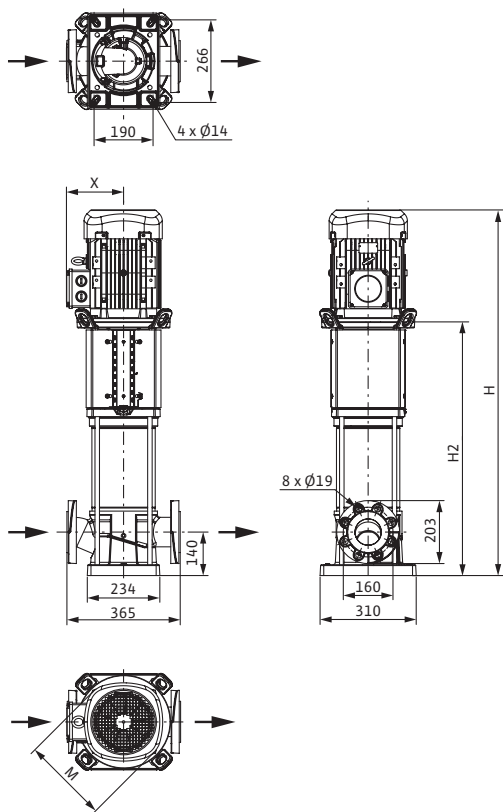


Motor data

Type	Rated power	Nominal current		Motor efficiency		
		3~460 V, 60 Hz				
	P_2 kW	I A	$\eta_{m 50\%}$	$\eta_{m 75\%}$ %	$\eta_{m 100\%}$	
Helix V 5201/1	5.50	9.2	88.0	89.6	89.5	
Helix V 5201	7.50	11.6	87.8	89.8	90.2	
Helix V 5202/1	11.00	16.1	88.4	90.3	91.0	
Helix V 5202/2	11.00	16.1	88.4	90.3	91.0	
Helix V 5202	15.00	21.8	89.0	91.0	91.0	
Helix V 5203/1	18.50	27	89.5	91.5	91.7	
Helix V 5203/2	18.50	27	89.5	91.5	91.7	
Helix V 5203	22.00	31.2	89.0	91.4	91.7	
Helix V 5204/1	30.00	48.9	91.0	91.7	92.4	
Helix V 5204/2	22.00	31.2	89.0	91.4	91.7	
Helix V 5204	30.00	48.9	91.0	91.7	92.4	
Helix V 5205/2	30.00	48.9	91.0	91.7	92.4	
Helix V 5205	37.00	59.1	91.0	92.9	93.0	
Helix V 5206/2	37.00	59.1	91.0	92.9	93.0	

Motor efficiency based on 460 V, 60 Hz

Dimension drawing



Dimensions, weights

Type	Maximum operating pressure	Nominal diameter, flange	Nominal flange diameter	Dimensions				Weight approx.
				H	H2	Ø M	X	
	p_{max} bar		DN			mm		m kg
Helix V 5201/1	16	-	80	836	500	232	149	126.0
Helix V 5201	16	-	80	966	616	225	160	129.0
Helix V 5202/1	16	-	80	1066	716	279	182	192.0
Helix V 5202/2	16	-	80	1066	716	279	182	129.0
Helix V 5202	16	-	80	1212	746	302	200	192.0
Helix V 5203/1	16	-	80	1312	846	302	200	204.0
Helix V 5203/2	16	-	80	1312	846	302	200	204.0
Helix V 5203	16	-	80	1312	846	302	200	204.0
Helix V 5204/1	25	-	80	1501	946	415	261	280.0
Helix V 5204/2	16	-	80	1412	946	302	200	208.0
Helix V 5204/2	25	-	80	1412	946	302	200	208.0
Helix V 5204	25	-	80	1501	946	415	261	280.0
Helix V 5205/2	25	-	80	1601	1046	415	261	286.0
Helix V 5205	25	-	80	1688	1046	415	261	286.0
Helix V 5206/2	25	-	80	1788	1146	415	261	290.0



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