Pioneering for You

Wilo SEA – 50Hz

Wilo – Helix Evo

High-Pressure Multistage Centrifugal Pumps

Highly efficient solutions for building services and commercial properties

High Efficiency and Economical with Wilo!

Your specialist for water supply

Member of

German Water Partnership

Pioneering for you

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Wilo – Helix Evo

"Top quality in standard applications"

Member of
German Water Partnership

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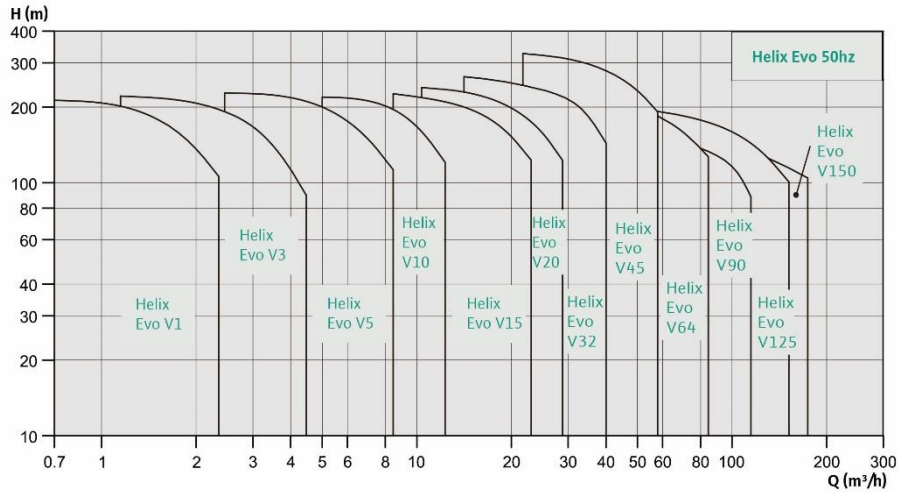
Wilo – Helix Evo Pumps



Design

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

Type key (Pump model)

Example :Helix Evo V 103-1/25/E/K/400-50

Helix Evo V	Vertical high-pressure multistage centrifugal pump in in-line design
10	Flow rate in m³/h
3	Number of impellers
1	Pump material 1 = Pump housing AISI 304 2 = Pump housing SS316L 3 = Pump housing Cast Iron
25	Maximum operating pressure in bar 16 = 16 bar 25 = 25 bar 30 = 30 bar 33 = 33 bar
E	Gasket type E = EPDM V = Viton
K	Cartridge type mechanical seal
400	Connection voltage in V
50	Frequency in Hz

Technical Data

- Motor Power: 0.37 – 75 kW
- Electrical connection: 3 x 380-415V, 50hz
- Nominal flow: 1.8 to 150 m³/h
- Max operating pressure: 16/30 bar
- Protection class: IP55
- Insulation class: Class F
- Max. ambient temp: +50°C
- Fluid temp: -15 to +120 °C

Special features/product advantages

- Efficiency optimized.
- Motor shaft and pump shaft under IEC standard are assembled firmly by flexible coupling and directly closed coupled.
- Stage construction with stainless steel impellers chamber and pressure casing.
- Can be installed in existing piping.
- Easy maintenance thanks to a cartridge type mechanical seal.

Application

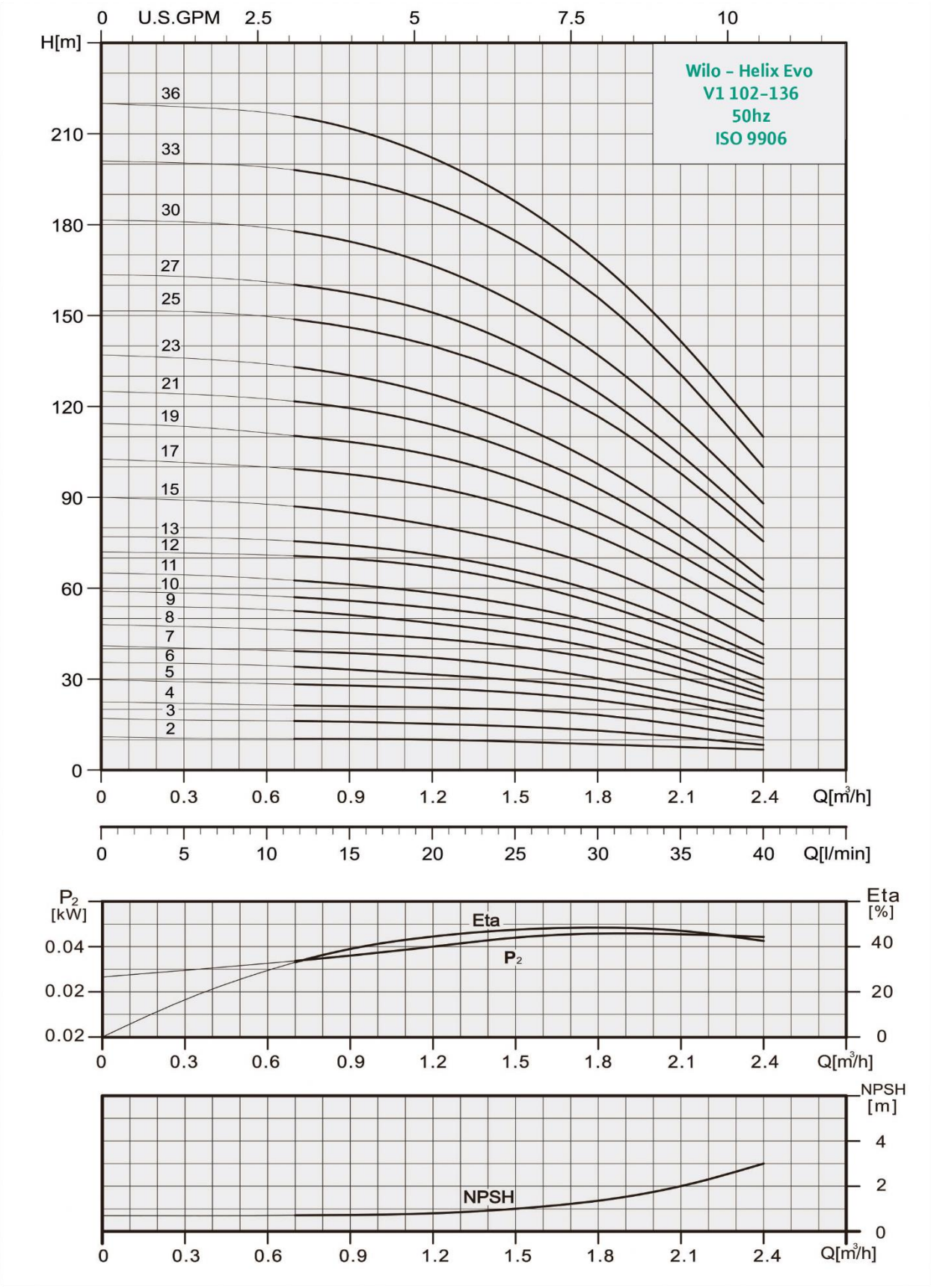
- Water supply and pressure boosting
- Industrial circulation system
- Process water
- Cooling water circulation system
- Fire extinguishing systems
- Washing systems
- Irrigation
- Pressurized facility

Materials

- Pump head: Cast iron
- Pump head cover: Stainless steel
- Impeller: Stainless steel
- Shaft: Stainless steel
- Outer sleeve: Stainless steel
- O-ring for outer sleeve: EPDM
- Chamber: Stainless steel
- Neck ring: PTFE
- Base: Cast iron
- Base plate: Cast iron
- Coupling: Fe-Cu-C
- Mechanical seal: Cartridge type

Wilo – Helix Evo V 102–136

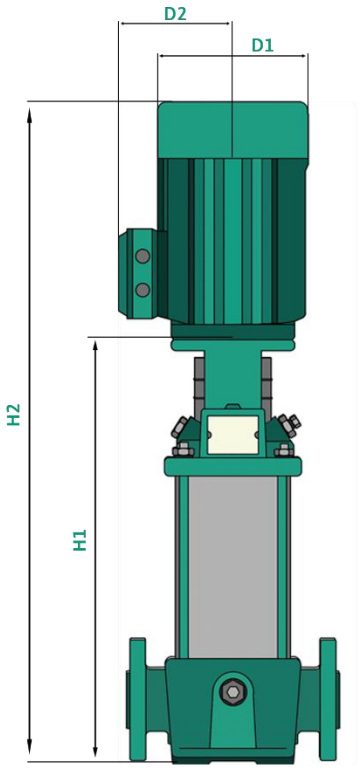
Performance curve

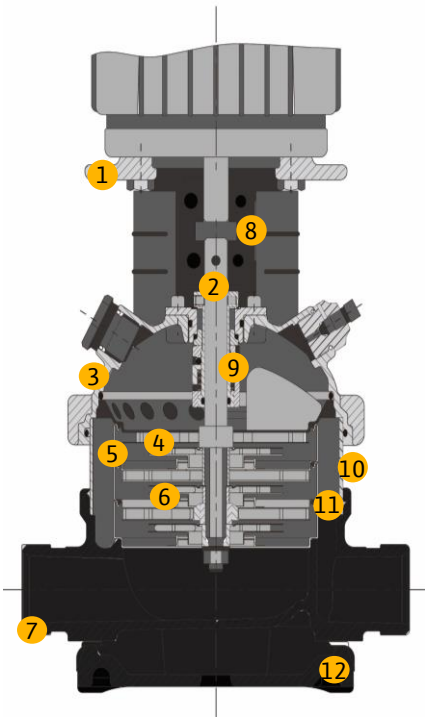


Wilo – Helix Evo V 102–136

Technical Data

Model	Motor	Nominal Load Current	Motor Efficiency	Max. Operating Pressure	Dimension				Weight
	(kW)	400V	η(%)		H1	H2	D1	D2	(kg)
Helix Evo V 102-1/25/E/K/400-50	0.37	1.1	74.9%	25	279	474	141	115	23.4
Helix Evo V 103-1/25/E/K/400-50	0.37	1.1	74.9%	25	279	474	141	115	23.4
Helix Evo V 104-1/25/E/K/400-50	0.37	1.1	74.9%	25	297	492	141	115	23.8
Helix Evo V 105-1/25/E/K/400-50	0.37	1.1	74.9%	25	315	510	141	115	24.2
Helix Evo V 106-1/25/E/K/400-50	0.37	1.1	74.9%	25	333	528	141	115	24.5
Helix Evo V 107-1/25/E/K/400-50	0.37	1.1	74.9%	25	351	546	141	115	24.9
Helix Evo V 108-1/25/E/K/400-50	0.55	1.7	76.9%	25	369	564	141	115	25.8
Helix Evo V 109-1/25/E/K/400-50	0.55	1.7	76.9%	25	387	582	141	115	26.1
Helix Evo V 110-1/25/E/K/400-50	0.55	1.7	76.9%	25	405	600	141	115	26.5
Helix Evo V 111-1/25/E/K/400-50	0.55	1.7	76.9%	25	423	618	141	115	26.9
Helix Evo V 112-1/25/E/K/400-50	0.75	2	80.4%	25	447	682	141	115	29.4
Helix Evo V 113-1/25/E/K/400-50	0.75	2	80.4%	25	465	700	141	115	29.8
Helix Evo V 115-1/25/E/K/400-50	0.75	2	80.4%	25	501	736	141	115	30.5
Helix Evo V 117-1/25/E/K/400-50	1.1	2.2	83.8%	25	537	772	141	115	32.3
Helix Evo V 119-1/25/E/K/400-50	1.1	2.2	83.8%	25	573	808	141	115	33.1
Helix Evo V 121-1/25/E/K/400-50	1.1	2.2	83.8%	25	609	844	141	115	33.8
Helix Evo V 123-1/25/E/K/400-50	1.1	2.2	83.8%	25	645	880	141	115	34.6
Helix Evo V 125-1/25/E/K/400-50	1.5	3.5	87.8%	25	697	988	177	141	44.0
Helix Evo V 127-1/25/E/K/400-50	1.5	3.5	87.8%	25	733	1024	177	141	44.8
Helix Evo V 130-1/25/E/K/400-50	1.5	3.5	87.8%	25	787	1078	177	141	45.9
Helix Evo V 133-1/25/E/K/400-50	2.2	4.8	88.1%	25	841	1132	177	141	49.9
Helix Evo V 136-1/25/E/K/400-50	2.2	4.8	88.1%	25	895	1186	177	141	51.0



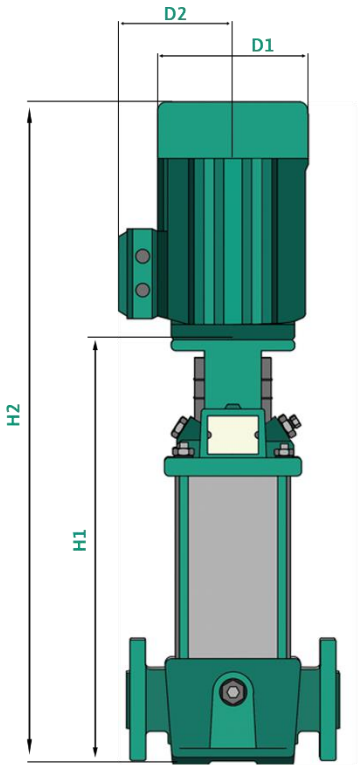


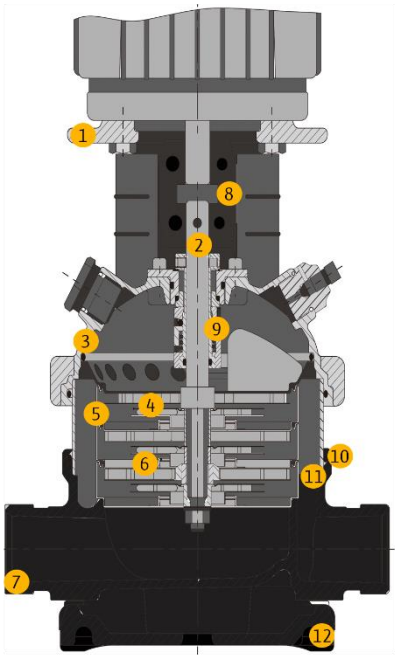
No.	Name	Materials
1	Pump head	Cast iron
2	Shaft	Stainless steel
3	Pump head	Stainless steel
4	Impeller	Stainless steel
5	Chamber	Stainless steel
6	Neck ring	PTFE
7	Base	Cast iron
8	Coupling	Fe-Cu-C
9	Mechanical seal	Cartridge type
10	Outer sleeve	Stainless steel
11	O-ring for outer sleeve	EPDM
12	Base Plate	Cast iron

Wilo – Helix Evo V 102–136

Technical Data

Model	Motor	Nominal Load Current	Motor Efficiency	Max. Operating Pressure	Dimension				Weight
	(kW)	400V	η(%)		H1	H2	D1	D2	(kg)
Helix Evo V 102-1/25/E/K/400-50	0.37	1.1	74.9%	25	279	474	141	115	23.4
Helix Evo V 103-1/25/E/K/400-50	0.37	1.1	74.9%	25	279	474	141	115	23.4
Helix Evo V 104-1/25/E/K/400-50	0.37	1.1	74.9%	25	297	492	141	115	23.8
Helix Evo V 105-1/25/E/K/400-50	0.37	1.1	74.9%	25	315	510	141	115	24.2
Helix Evo V 106-1/25/E/K/400-50	0.37	1.1	74.9%	25	333	528	141	115	24.5
Helix Evo V 107-1/25/E/K/400-50	0.37	1.1	74.9%	25	351	546	141	115	24.9
Helix Evo V 108-1/25/E/K/400-50	0.55	1.7	76.9%	25	369	564	141	115	25.8
Helix Evo V 109-1/25/E/K/400-50	0.55	1.7	76.9%	25	387	582	141	115	26.1
Helix Evo V 110-1/25/E/K/400-50	0.55	1.7	76.9%	25	405	600	141	115	26.5
Helix Evo V 111-1/25/E/K/400-50	0.55	1.7	76.9%	25	423	618	141	115	26.9
Helix Evo V 112-1/25/E/K/400-50	0.75	2	80.4%	25	447	682	141	115	29.4
Helix Evo V 113-1/25/E/K/400-50	0.75	2	80.4%	25	465	700	141	115	29.8
Helix Evo V 115-1/25/E/K/400-50	0.75	2	80.4%	25	501	736	141	115	30.5
Helix Evo V 117-1/25/E/K/400-50	1.1	2.2	83.8%	25	537	772	141	115	32.3
Helix Evo V 119-1/25/E/K/400-50	1.1	2.2	83.8%	25	573	808	141	115	33.1
Helix Evo V 121-1/25/E/K/400-50	1.1	2.2	83.8%	25	609	844	141	115	33.8
Helix Evo V 123-1/25/E/K/400-50	1.1	2.2	83.8%	25	645	880	141	115	34.6
Helix Evo V 125-1/25/E/K/400-50	1.5	3.5	87.8%	25	697	988	177	141	44.0
Helix Evo V 127-1/25/E/K/400-50	1.5	3.5	87.8%	25	733	1024	177	141	44.8
Helix Evo V 130-1/25/E/K/400-50	1.5	3.5	87.8%	25	787	1078	177	141	45.9
Helix Evo V 133-1/25/E/K/400-50	2.2	4.8	88.1%	25	841	1132	177	141	49.9
Helix Evo V 136-1/25/E/K/400-50	2.2	4.8	88.1%	25	895	1186	177	141	51.0

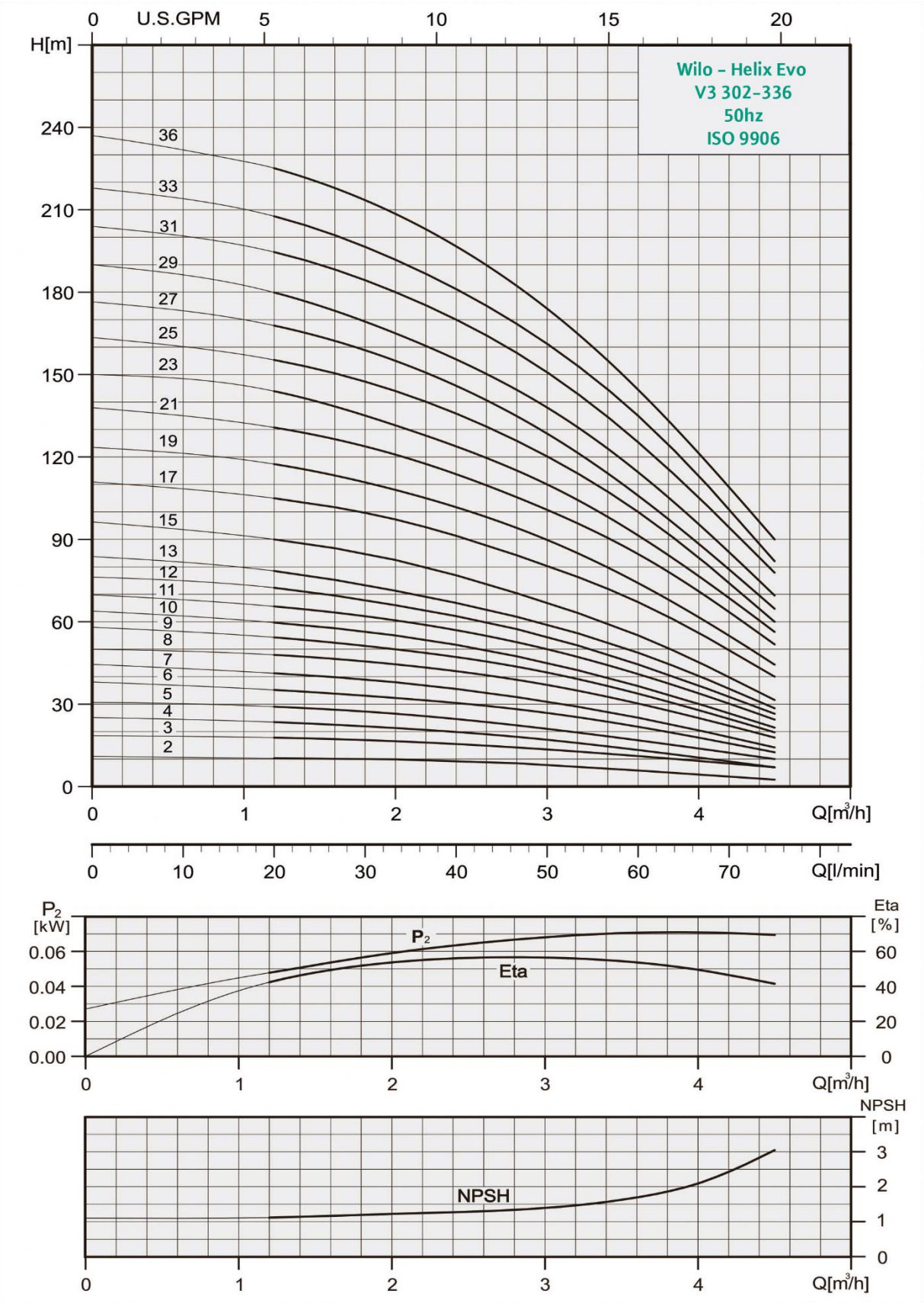




No.	Name	Materials
1	Pump head	Cast iron
2	Shaft	Stainless steel
3	Pump head	Stainless steel
4	Impeller	Stainless steel
5	Chamber	Stainless steel
6	Neck ring	PTFE
7	Base	Cast iron
8	Coupling	Fe-Cu-C
9	Mechanical seal	Cartridge type
10	Outer sleeve	Stainless steel
11	O-ring for outer sleeve	EPDM
12	Base Plate	Cast iron

Wilo – Helix Evo V 302–336

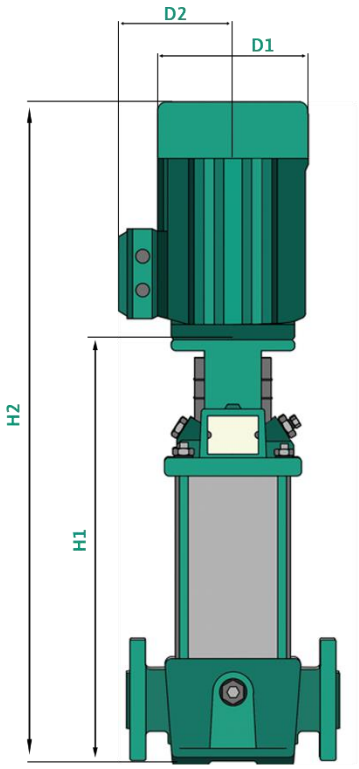
Performance curve

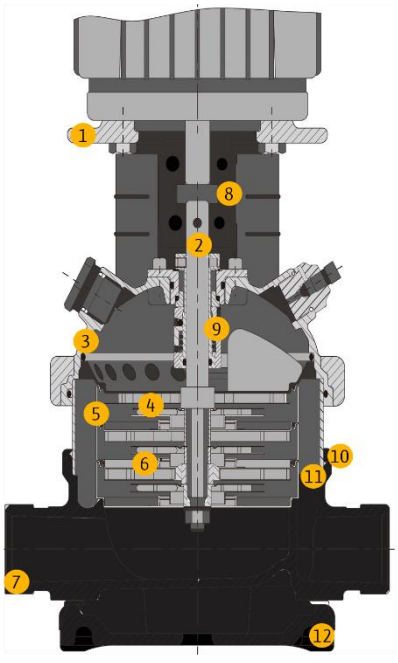


Wilo – Helix Evo V 302–336

Technical Data

Model	Motor	Nominal Load Current	Motor efficiency	Max. operating pressure	Dimension				Weight
	(kW)	400V	η(%)		H1	H2	D1	D2	(kg)
Helix Evo V 302-1/25/E/K/400-50	0.37	1.1	74.9%	25	279	474	141	115	23.4
Helix Evo V 303-1/25/E/K/400-50	0.37	1.1	74.9%	25	279	474	141	115	23.4
Helix Evo V 304-1/25/E/K/400-50	0.37	1.1	74.9%	25	297	492	141	115	23.8
Helix Evo V 305-1/25/E/K/400-50	0.37	1.1	74.9%	25	315	510	141	115	24.2
Helix Evo V 306-1/25/E/K/400-50	0.55	1.7	76.9%	25	333	528	141	115	25.0
Helix Evo V 307-1/25/E/K/400-50	0.55	1.7	76.9%	25	351	546	141	115	25.4
Helix Evo V 308-1/25/E/K/400-50	0.75	2	80.4%	25	375	610	141	115	27.9
Helix Evo V 309-1/25/E/K/400-50	0.75	2	80.4%	25	393	628	141	115	28.3
Helix Evo V 310-1/25/E/K/400-50	0.75	2	80.4%	25	411	646	141	115	28.7
Helix Evo V 311-1/25/E/K/400-50	1.1	2.2	83.8%	25	429	664	141	115	30.2
Helix Evo V 312-1/25/E/K/400-50	1.1	2.2	83.8%	25	447	682	141	115	30.5
Helix Evo V 313-1/25/E/K/400-50	1.1	2.2	83.8%	25	465	700	141	115	30.9
Helix Evo V 315-1/25/E/K/400-50	1.1	2.2	83.8%	25	501	736	141	115	31.6
Helix Evo V 317-1/25/E/K/400-50	1.5	3.5	87.8%	25	553	844	177	141	41.0
Helix Evo V 319-1/25/E/K/400-50	1.5	3.5	87.8%	25	589	880	177	141	41.8
Helix Evo V 321-1/25/E/K/400-50	2.2	4.8	88.1%	25	625	916	177	141	45.3
Helix Evo V 323-1/25/E/K/400-50	2.2	4.8	88.1%	25	661	952	177	141	46.1
Helix Evo V 325-1/25/E/K/400-50	2.2	4.8	88.1%	25	697	988	177	141	46.8
Helix Evo V 327-1/25/E/K/400-50	2.2	4.8	88.1%	25	733	1024	177	141	47.6
Helix Evo V 329-1/25/E/K/400-50	2.2	4.8	88.1%	25	769	1060	177	141	48.3
Helix Evo V 331-1/25/E/K/400-50	3	6.5	88.4%	25	809	1125	197	147	56.6
Helix Evo V 333-1/25/E/K/400-50	3	6.5	88.4%	25	845	1161	197	147	57.4
Helix Evo V 336-1/25/E/K/400-50	3	6.5	88.4%	25	899	1215	197	147	58.5

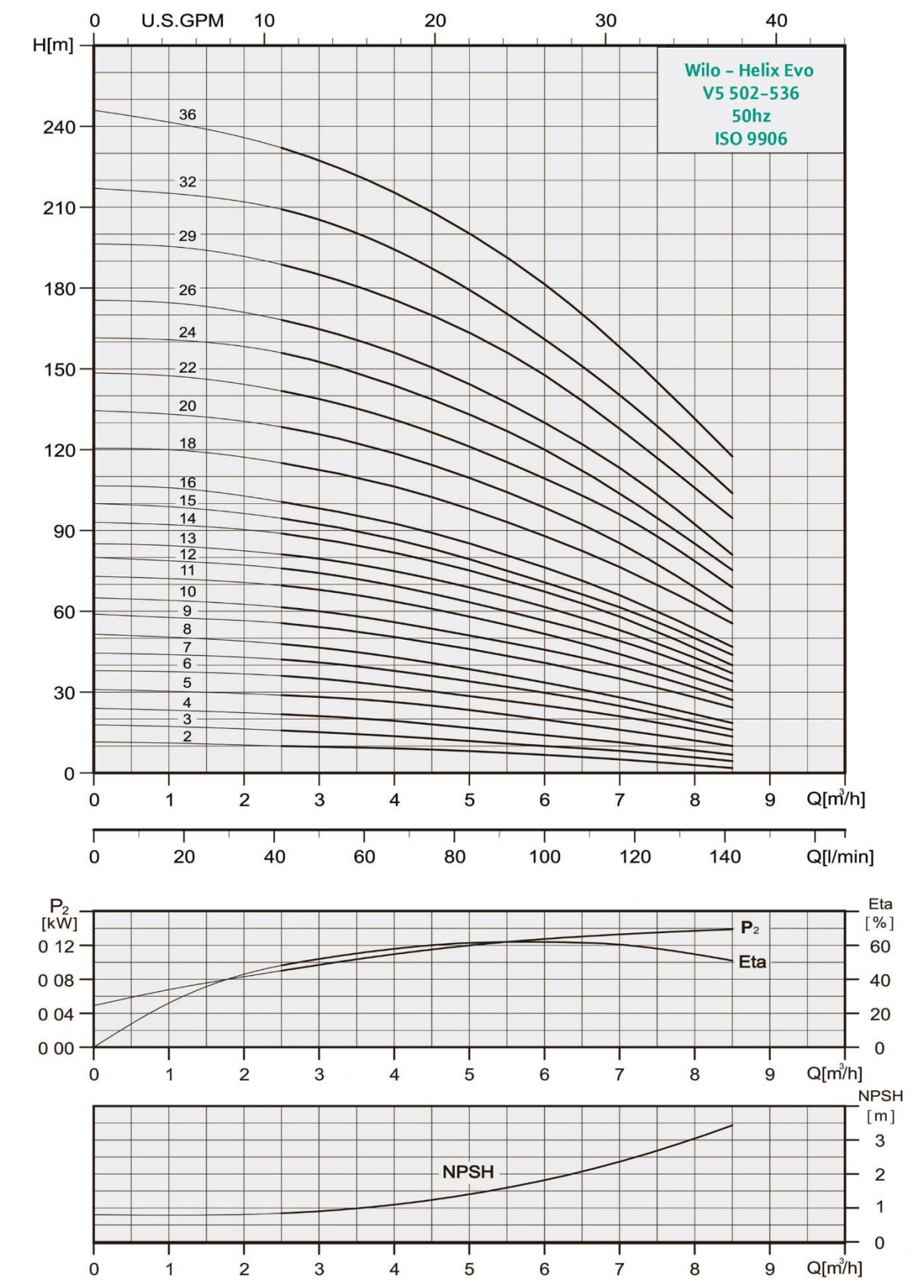




No.	Name	Materials
1	Pump head	Cast iron
2	Shaft	Stainless steel
3	Pump head	Stainless steel
4	Impeller	Stainless steel
5	Chamber	Stainless steel
6	Neck ring	PTFE
7	Base	Cast iron
8	Coupling	Fe-Cu-C
9	Mechanical seal	Cartridge type
10	Outer sleeve	Stainless steel
11	O-ring for outer sleeve	EPDM
12	Base Plate	Cast iron

Wilo – Helix Evo V 502–536

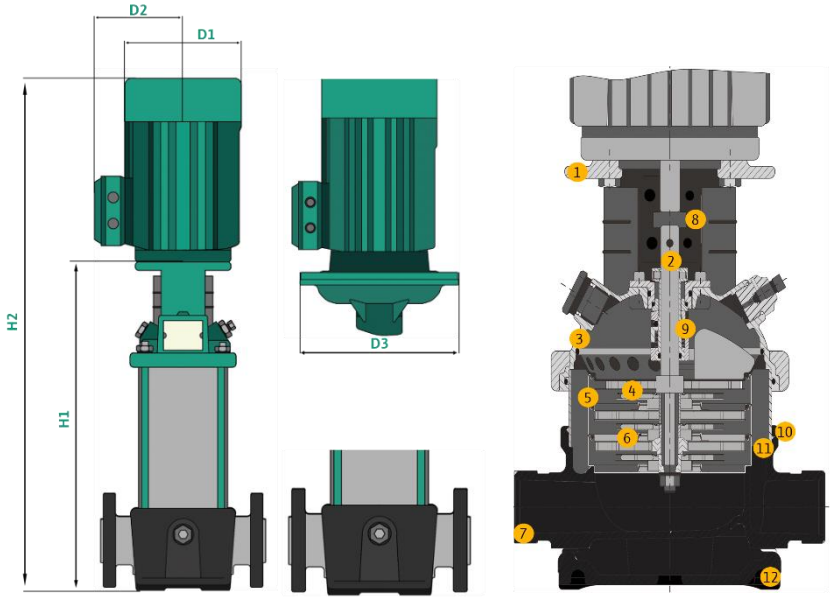
Performance curve



Wilo – Helix Evo V 502–536

Technical Data

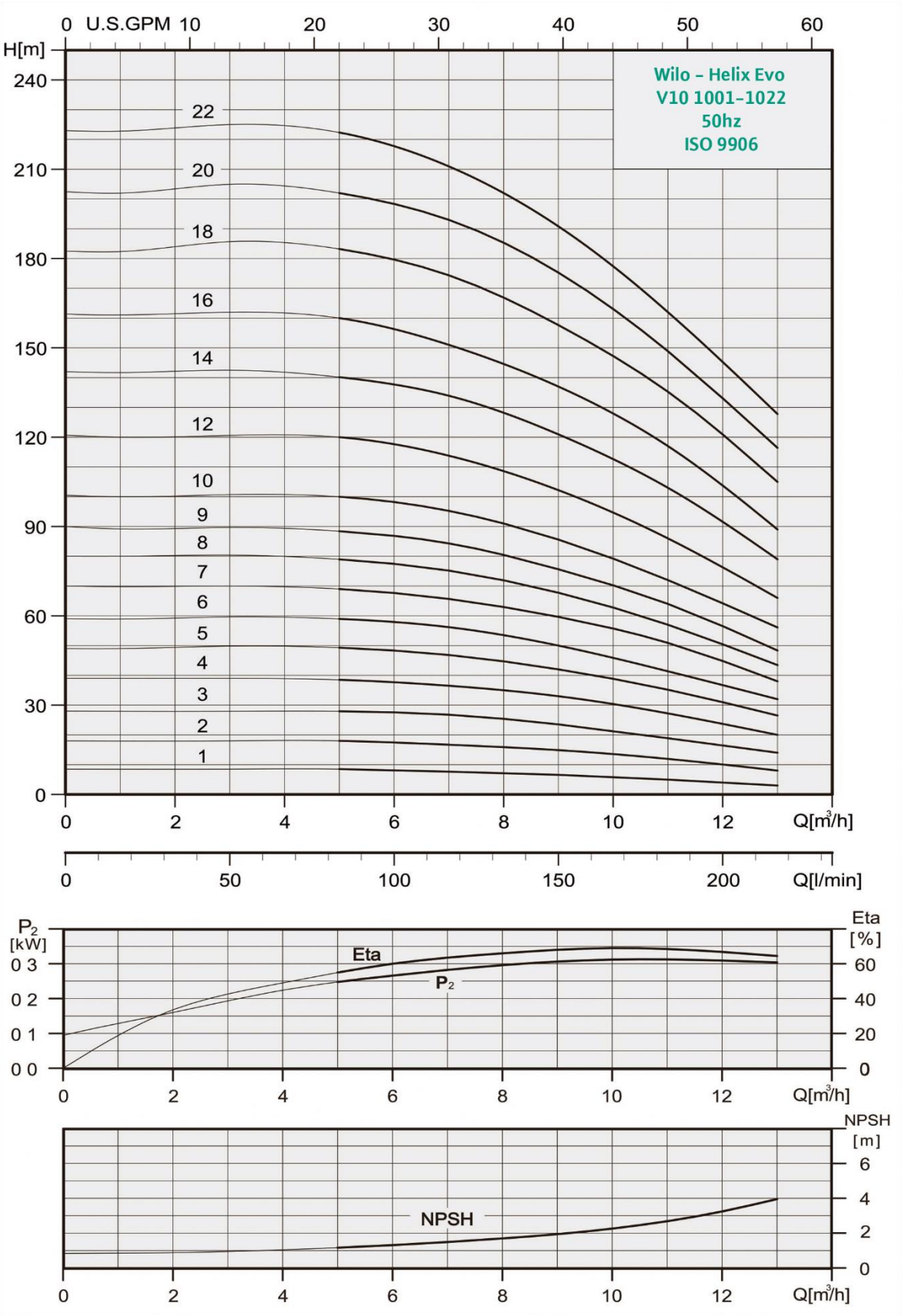
Model	Motor	Nominal Load Current	Motor efficiency	Max. operating pressure	Dimension					Weight
	(kW)	400V	η(%)		H1	H2	D1	D2	D3	(kg)
Helix Evo V 502-1/25/E/K/400-50	0.37	1.1	74.9%	25	279	474	141	115	-	23.3
Helix Evo V 503-1/25/E/K/400-50	0.55	1.7	76.9%	25	306	501	141	115	-	24.2
Helix Evo V 504-1/25/E/K/400-50	0.55	1.7	76.9%	25	333	528	141	115	-	24.8
Helix Evo V 505-1/25/E/K/400-50	0.75	2	80.4%	25	366	601	141	115	-	27.4
Helix Evo V 506-1/25/E/K/400-50	1.1	2.2	83.8%	25	393	628	141	115	-	29.1
Helix Evo V 507-1/25/E/K/400-50	1.1	2.2	83.8%	25	420	655	141	115	-	29.6
Helix Evo V 508-1/25/E/K/400-50	1.1	2.2	83.8%	25	447	682	141	115	-	30.1
Helix Evo V 509-1/25/E/K/400-50	1.5	3.5	87.8%	25	490	781	177	141	-	39.3
Helix Evo V 510-1/25/E/K/400-50	1.5	3.5	87.8%	25	517	808	177	141	-	39.9
Helix Evo V 511-1/25/E/K/400-50	2.2	4.8	88.1%	25	544	835	177	141	-	43.2
Helix Evo V 512-1/25/E/K/400-50	2.2	4.8	88.1%	25	571	862	177	141	-	43.7
Helix Evo V 513-1/25/E/K/400-50	2.2	4.8	88.1%	25	598	889	177	141	-	44.2
Helix Evo V 514-1/25/E/K/400-50	2.2	4.8	88.1%	25	625	916	177	141	-	44.8
Helix Evo V 515-1/25/E/K/400-50	2.2	4.8	88.1%	25	652	943	177	141	-	45.2
Helix Evo V 516-1/25/E/K/400-50	2.2	4.8	88.1%	25	679	970	177	141	-	45.8
Helix Evo V 518-1/25/E/K/400-50	3	6.5	88.4%	25	737	1053	197	147	-	54.3
Helix Evo V 520-1/25/E/K/400-50	3	6.5	88.4%	25	791	1107	197	147	-	55.5
Helix Evo V 522-1/25/E/K/400-50	4	8.7	90.2%	25	845	1171	220	161	-	59.8
Helix Evo V 524-1/25/E/K/400-50	4	8.7	90.2%	25	899	1225	220	161	-	60.8
Helix Evo V 526-1/25/E/K/400-50	4	8.7	90.2%	25	953	1279	220	161	-	62.7
Helix Evo V 529-1/25/E/K/400-50	4	8.7	90.2%	25	1034	1360	220	161	-	64.6
Helix Evo V 532-1/25/E/K/400-50	5.5	11.2	90.9%	25	1145	1507	235	197	300	90.1
Helix Evo V 536-1/25/E/K/400-50	5.5	11.2	90.9%	25	1253	1615	235	197	300	92.6



No.	Name	Materials
1	Pump head	Cast iron
2	Shaft	Stainless steel
3	Pump head	Stainless steel
4	Impeller	Stainless steel
5	Chamber	Stainless steel
6	Neck ring	PTFE
7	Base	Cast iron
8	Coupling	Fe-Cu-C
9	Mechanical seal	Cartridge type
10	Outer sleeve	Stainless steel
11	O-ring for outer sleeve	EPDM
12	Base Plate	Cast iron

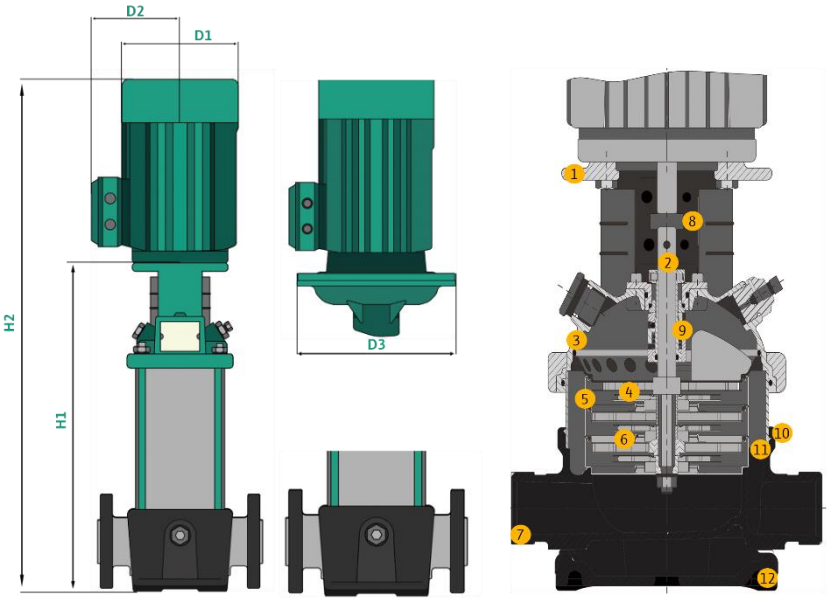
Wilo – Helix Evo V 1002-1022

Performance curve



Wilo – Helix Evo V 1002-1022 Technical Data

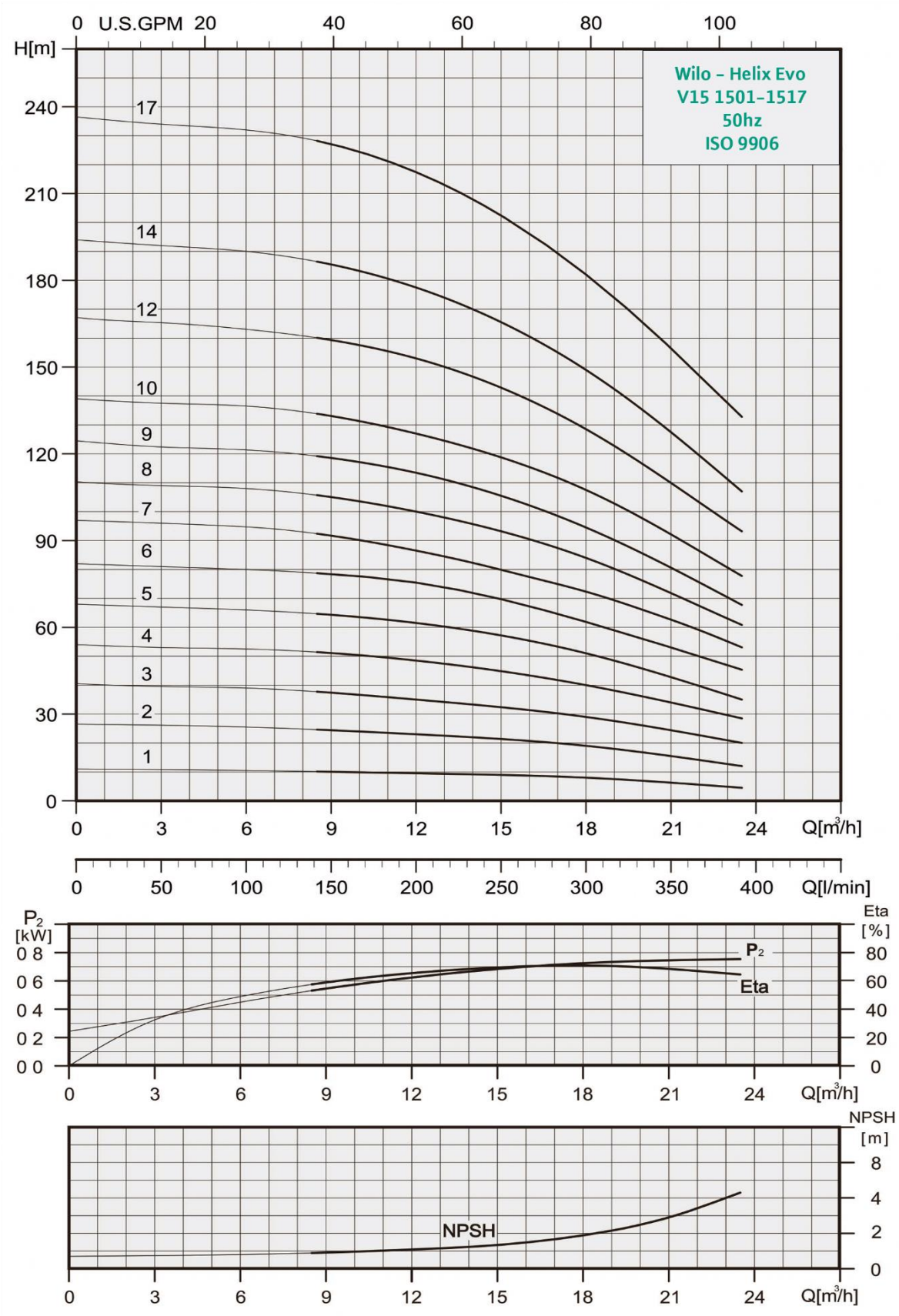
Model	Motor	Nominal Load Current	Motor efficiency	Max. operating pressure	Dimension					Weight
	(kW)	400V	η(%)		H1	H2	D1	D2	D3	(kg)
Helix Evo V 1001-1/16/E/K/400-50	0.37	1.1	74.9%	16	343	538	141	115	-	35.9
Helix Evo V 1002-1/16/E/K/400-50	0.75	2	80.4%	16	347	582	141	115	-	38.2
Helix Evo V 1003-1/16/E/K/400-50	1.1	2.2	83.8%	16	377	612	141	115	-	40.3
Helix Evo V 1004-1/16/E/K/400-50	1.5	3.5	87.8%	16	423	714	177	141	-	50.1
Helix Evo V 1005-1/16/E/K/400-50	2.2	4.8	88.1%	16	453	744	177	141	-	53.9
Helix Evo V 1006-1/16/E/K/400-50	2.2	4.8	88.1%	16	483	774	177	141	-	55.0
Helix Evo V 1007-1/16/E/K/400-50	3	6.5	88.4%	16	518	834	197	147	-	63.8
Helix Evo V 1008-1/16/E/K/400-50	3	6.5	88.4%	16	548	864	197	147	-	64.9
Helix Evo V 1009-1/16/E/K/400-50	3	6.5	88.4%	16	578	894	197	147	-	65.9
Helix Evo V 1010-1/16/E/K/400-50	4	8.7	90.2%	16	608	934	220	161	-	70.3
Helix Evo V 1012-1/16/E/K/400-50	4	8.7	90.2%	16	668	994	220	161	-	72.4
Helix Evo V 1014-1/16/E/K/400-50	5.5	11.2	90.9%	16	760	1122	235	197	300	104.1
Helix Evo V 1016-1/16/E/K/400-50	5.5	11.2	90.9%	16	820	1182	235	197	300	106.2
Helix Evo V 1018-1/25/E/K/400-50	7.5	14.7	91.4%	25	880	1278	235	197	300	113.6
Helix Evo V 1020-1/25/E/K/400-50	7.5	14.7	91.4%	25	940	1338	235	197	300	116.7
Helix Evo V 1022-1/25/E/K/400-50	7.5	14.7	91.4%	25	1000	1398	235	197	300	118.8



No.	Name	Materials
1	Pump head	Cast iron
2	Shaft	Stainless steel
3	Pump head	Stainless steel
4	Impeller	Stainless steel
5	Chamber	Stainless steel
6	Neck ring	PTFE
7	Base	Cast iron
8	Coupling	Fe-Cu-C
9	Mechanical seal	Cartridge type
10	Outer sleeve	Stainless steel
11	O-ring for outer sleeve	EPDM
12	Base Plate	Cast iron

Wilo – Helix Evo V 1501-1517

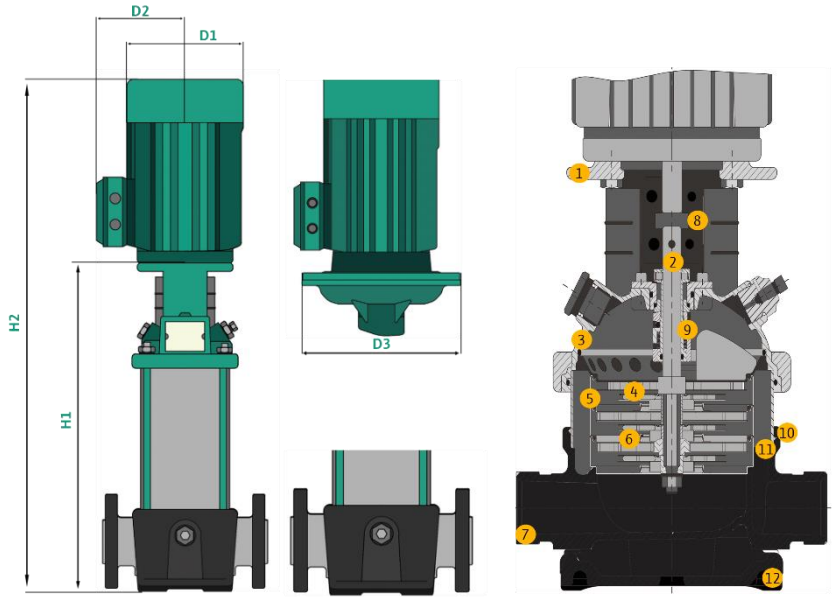
Performance curve



Wilo – Helix Evo V 1501-1517

Technical Data

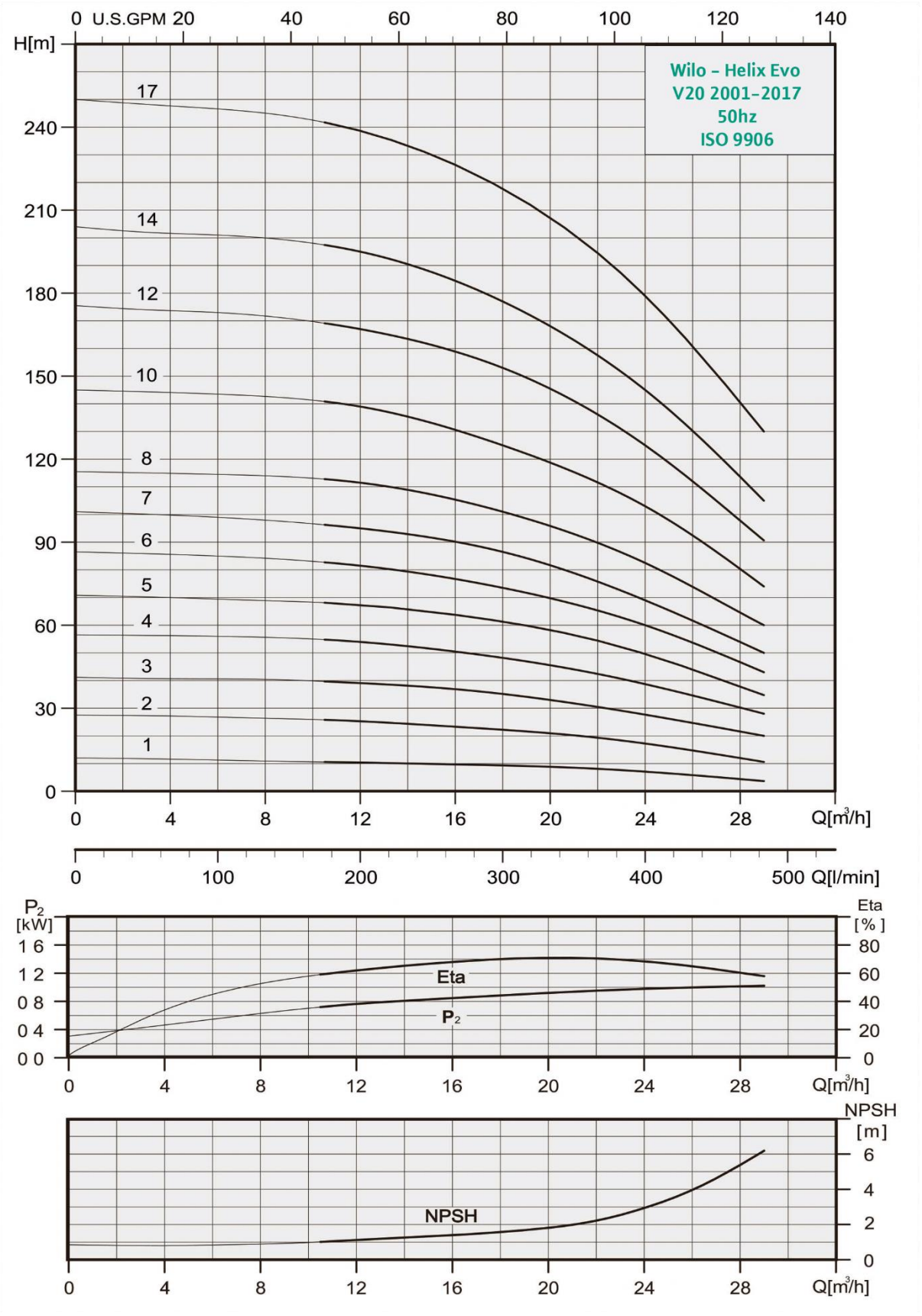
Model	Motor	Nominal Load Current	Motor efficiency	Max. operating pressure	Dimension					Weight
	(kW)	400V	η(%)		H1	H2	D1	D2	D3	(kg)
Helix Evo V 1501-2/16/E/K/400-50	1.1	2.2	83.8%	16	400	635	141	115	-	43.8
Helix Evo V 1502-2/16/E/K/400-50	2.2	4.8	88.1%	16	415	706	177	141	-	55.7
Helix Evo V 1503-2/16/E/K/400-50	3	6.5	88.4%	16	465	781	197	147	-	64.9
Helix Evo V 1504-2/16/E/K/400-50	4	8.7	90.2%	16	510	836	220	161	-	69.7
Helix Evo V 1505-2/16/E/K/400-50	4	8.7	90.2%	16	555	881	220	161	-	71.2
Helix Evo V 1506-2/16/E/K/400-50	5.5	11.2	90.9%	16	632	994	235	197	300	102.3
Helix Evo V 1507-2/16/E/K/400-50	5.5	11.2	90.9%	16	677	1039	235	197	300	103.8
Helix Evo V 1508-2/16/E/K/400-50	7.5	14.7	91.4%	16	722	1120	235	197	300	111.8
Helix Evo V 1509-2/16/E/K/400-50	7.5	14.7	91.4%	16	767	1165	235	197	300	113.3
Helix Evo V 1510-2/16/E/K/400-50	11	19.6	91.2%	16	889	1394	318	245	350	151.0
Helix Evo V 1512-2/25/E/K/400-50	11	19.6	91.2%	25	979	1484	318	245	350	154.0
Helix Evo V 1514-2/25/E/K/400-50	11	19.6	91.2%	25	1069	1574	318	245	350	157.3
Helix Evo V 1517-2/25/E/K/400-50	15	26.5	91.9%	25	1204	1714	318	245	350	172.4



No.	Name	Materials
1	Pump head	Cast iron
2	Shaft	Stainless steel
3	Pump head	Stainless steel
4	Impeller	Stainless steel
5	Chamber	Stainless steel
6	Neck ring	PTFE
7	Base	Cast iron
8	Coupling	Fe-Cu-C
9	Mechanical seal	Cartridge type
10	Outer sleeve	Stainless steel
11	O-ring for outer sleeve	EPDM
12	Base Plate	Cast iron

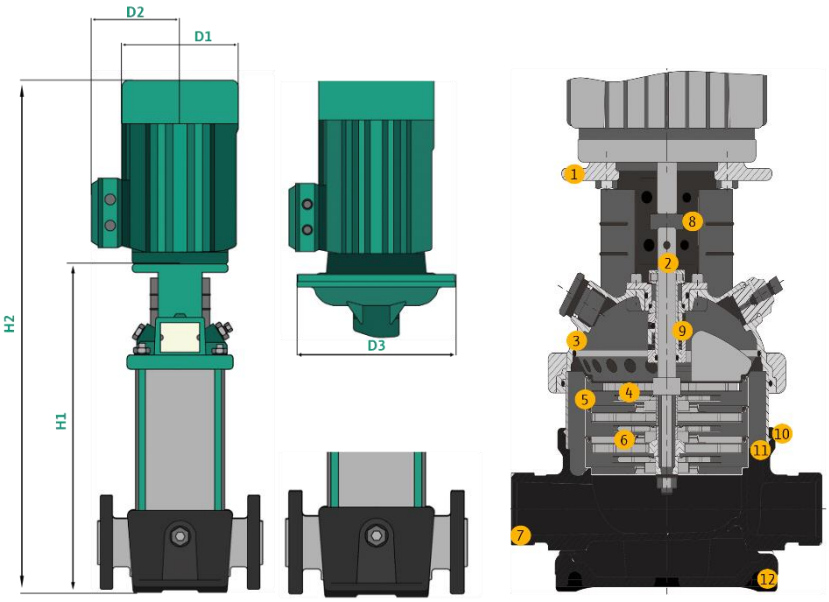
Wilo – Helix Evo V 2001-2017

Performance curve



Wilo – Helix Evo V 2001-2017 Technical Data

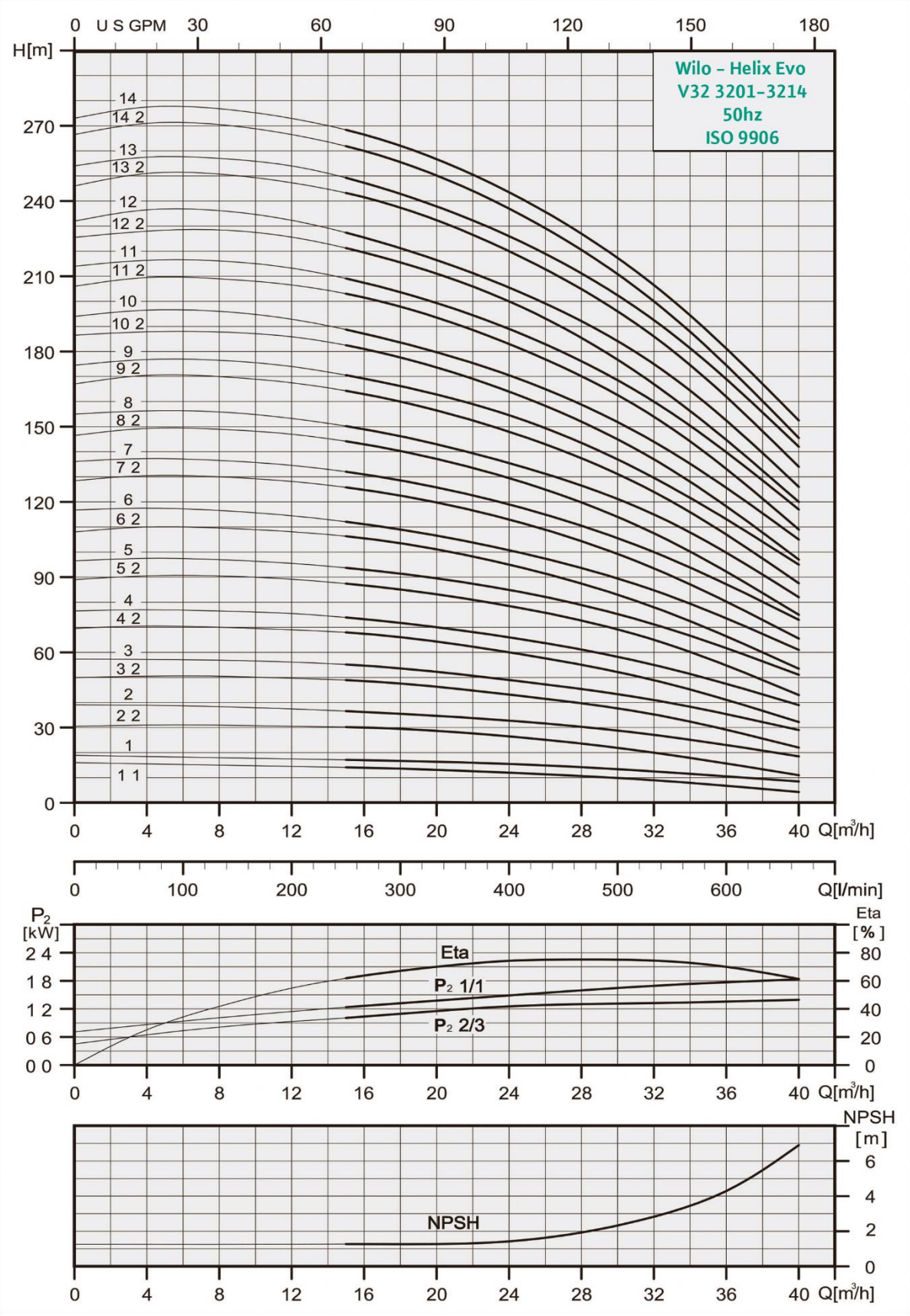
Model	Motor	Nominal Load Current	Motor Efficiency	Max. Operating Pressure	Dimension					Weight
	(kW)	400V	η(%)		H1	H2	D1	D2	D3	(kg)
Helix Evo V 2001-2/16/E/K/400-50	1.1	2.2	83.8%	16	400	636	141	115	-	43.9
Helix Evo V 2002-2/16/E/K/400-50	2.2	4.8	88.1%	16	415	708	177	141	-	55.7
Helix Evo V 2003-2/16/E/K/400-50	4	8.7	90.2%	16	465	795	220	161	-	68.3
Helix Evo V 2004-2/16/E/K/400-50	5.5	11.2	90.9%	16	542	910	235	197	300	99.4
Helix Evo V 2005-2/16/E/K/400-50	5.5	11.2	90.9%	16	587	955	235	197	300	100.8
Helix Evo V 2006-2/16/E/K/400-50	7.5	14.7	91.4%	16	632	1038	235	197	300	108.6
Helix Evo V 2007-2/16/E/K/400-50	7.5	14.7	91.4%	16	677	1083	235	197	300	110.1
Helix Evo V 2008-2/16/E/K/400-50	11	19.6	91.2%	16	799	1315	318	245	350	148.1
Helix Evo V 2010-2/16/E/K/400-50	11	19.6	91.2%	16	889	1405	318	245	350	151.0
Helix Evo V 2012-2/25/E/K/400-50	15	26.5	91.9%	25	979	1504	318	245	350	164.0
Helix Evo V 2014-2/25/E/K/400-50	15	26.5	91.9%	25	1069	1594	318	245	350	166.9
Helix Evo V 2017-2/25/E/K/400-50	18.5	32.5	92.4%	25	1204	1773	318	245	350	195.4



No.	Name	Materials
1	Pump head	Cast iron
2	Shaft	Stainless steel
3	Pump head	Stainless steel
4	Impeller	Stainless steel
5	Chamber	Stainless steel
6	Neck ring	PTFE
7	Base	Cast iron
8	Coupling	Fe-Cu-C
9	Mechanical seal	Cartridge type
10	Outer sleeve	Stainless steel
11	O-ring for outer sleeve	EPDM
12	Base Plate	Cast iron

Wilo – Helix Evo V 3201-3214

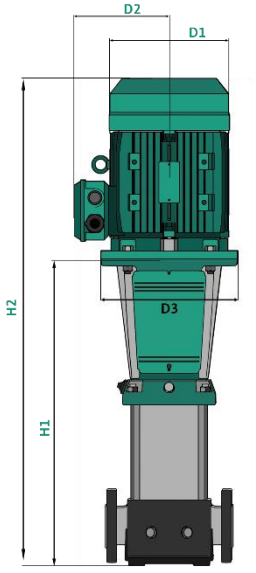
Performance curve

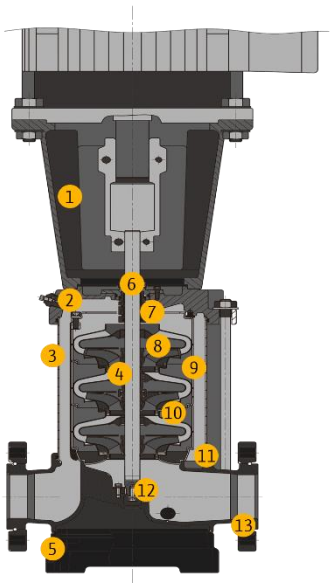


Wilo – Helix Evo V 3201-3214

Technical Data

Model	Motor	Nominal Load Current	Motor Efficiency	Max. Operating Pressure	Dimension					Weight
	(kW)	400V	η(%)		H1	H2	D1	D2	D3	(kg)
Helix Evo V 3201/1-2/16/E/K/400-50	1.5	3.5	87.8%	16	504	795	177	141	280	71.5
Helix Evo V 3201-2/16/E/K/400-50	2.2	4.8	88.1%	16	504	795	177	141	280	74.3
Helix Evo V 3202/2-2/16/E/K/400-50	3	6.5	88.4%	16	574	935	197	147	280	84.2
Helix Evo V 3202-2/16/E/K/400-50	4	8.7	90.2%	16	574	935	220	161	280	87.6
Helix Evo V 3203/2-2/16/E/K/400-50	5.5	11.2	90.9%	16	644	1006	235	197	300	110.2
Helix Evo V 3203-2/16/E/K/400-50	5.5	11.2	90.9%	16	644	1006	235	197	300	110.2
Helix Evo V 3204/2-2/16/E/K/400-50	7.5	14.7	91.4%	16	714	1112	235	197	300	119.5
Helix Evo V 3204-2/16/E/K/400-50	7.5	14.7	91.4%	16	714	1112	235	197	300	119.5
Helix Evo V 3205/2-2/16/E/K/400-50	11	19.6	91.2%	16	894	1399	318	245	350	164.3
Helix Evo V 3205-2/16/E/K/400-50	11	19.6	91.2%	16	894	1399	318	245	350	164.3
Helix Evo V 3206/2-2/16/E/K/400-50	11	19.6	91.2%	16	964	1469	318	245	350	167.3
Helix Evo V 3206-2/16/E/K/400-50	11	19.6	91.2%	16	964	1469	318	245	350	167.3
Helix Evo V 3207/2-2/16/E/K/400-50	15	26.5	91.9%	16	1034	1544	318	245	350	180.4
Helix Evo V 3207-2/16/E/K/400-50	15	26.5	91.9%	16	1034	1544	318	245	350	180.4
Helix Evo V 3208/2-2/30/E/K/400-50	15	26.5	91.9%	30	1104	1614	318	245	350	183.5
Helix Evo V 3208-2/30/E/K/400-50	15	26.5	91.9%	30	1104	1614	318	245	350	183.5
Helix Evo V 3209/2-2/30/E/K/400-50	18.5	32.5	92.4%	30	1174	1724	318	245	350	210.6
Helix Evo V 3209-2/30/E/K/400-50	18.5	32.5	92.4%	30	1174	1724	318	245	350	210.6
Helix Evo V 3210/2-2/30/E/K/400-50	18.5	32.5	92.4%	30	1244	1794	318	245	350	212.7
Helix Evo V 3210-2/30/E/K/400-50	18.5	32.5	92.4%	30	1244	1794	318	245	350	213.7
Helix Evo V 3211/2-2/30/E/K/400-50	22	38.5	92.7%	30	1314	1894	358	265	350	258.8
Helix Evo V 3211-2/30/E/K/400-50	22	38.5	92.7%	30	1314	1894	358	265	350	258.8
Helix Evo V 3212/2-2/30/E/K/400-50	22	38.5	92.7%	30	1384	1964	358	265	350	260.8
Helix Evo V 3212-2/30/E/K/400-50	22	38.5	92.7%	30	1384	1964	358	265	350	260.8
Helix Evo V 3213/2-2/30/E/K/400-50	30	52.1	93.3%	30	1454	2114	420	295	400	348.2
Helix Evo V 3213-2/30/E/K/400-50	30	52.1	93.3%	30	1454	2114	420	295	400	348.2
Helix Evo V 3214/2-2/30/E/K/400-50	30	52.1	93.3%	30	1524	2184	420	295	400	351.3
Helix Evo V 3214-2/30/E/K/400-50	30	52.1	93.3%	30	1524	2184	420	295	400	351.3

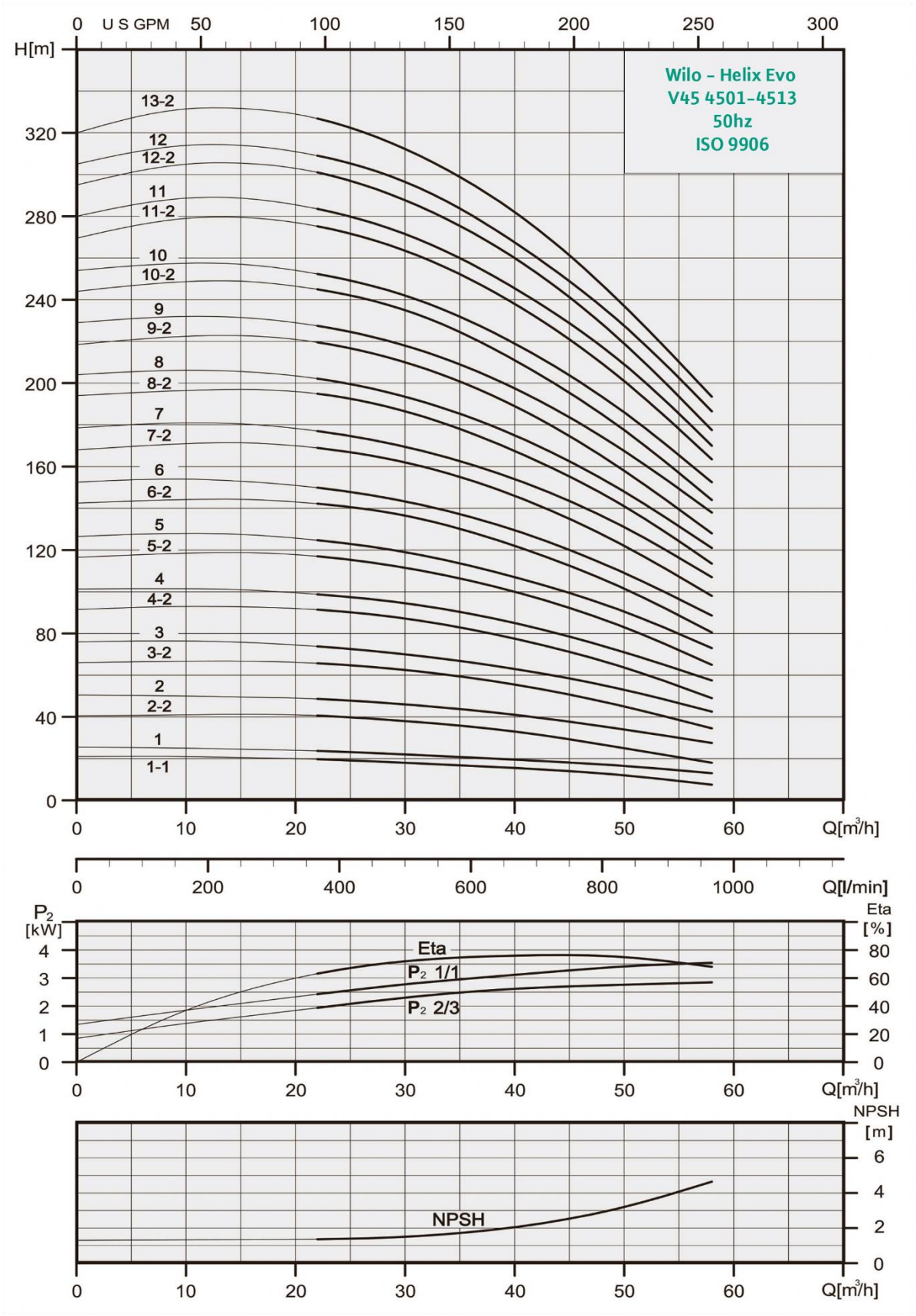




No.	Name	Materials
1	Motor Bracket	Cast iron
2	Pump head	Cast iron
3	Outer sleeve	Stainless steel
4	Bearing ring	Bronze
5	Base plate	Cast iron
6	Shaft	Stainless steel
7	Mechanical seal	Cartridge type
8	Impeller	Stainless steel
9	Chamber	Stainless steel
10	Neck ring	Carbon fiber +POB+PTFE
11	O-ring for outer sleeve	Stainless steel
12	Bottom bearing ring	Tungsten carbide
13	Base	Cast iron

Wilo – Helix Evo V 4501-4513

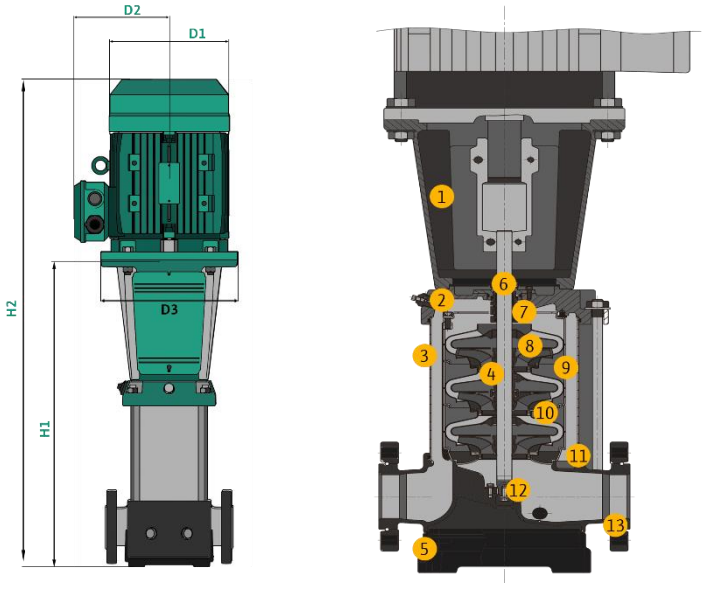
Performance curve



Wilo – Helix Evo V 4501-4513

Technical Data

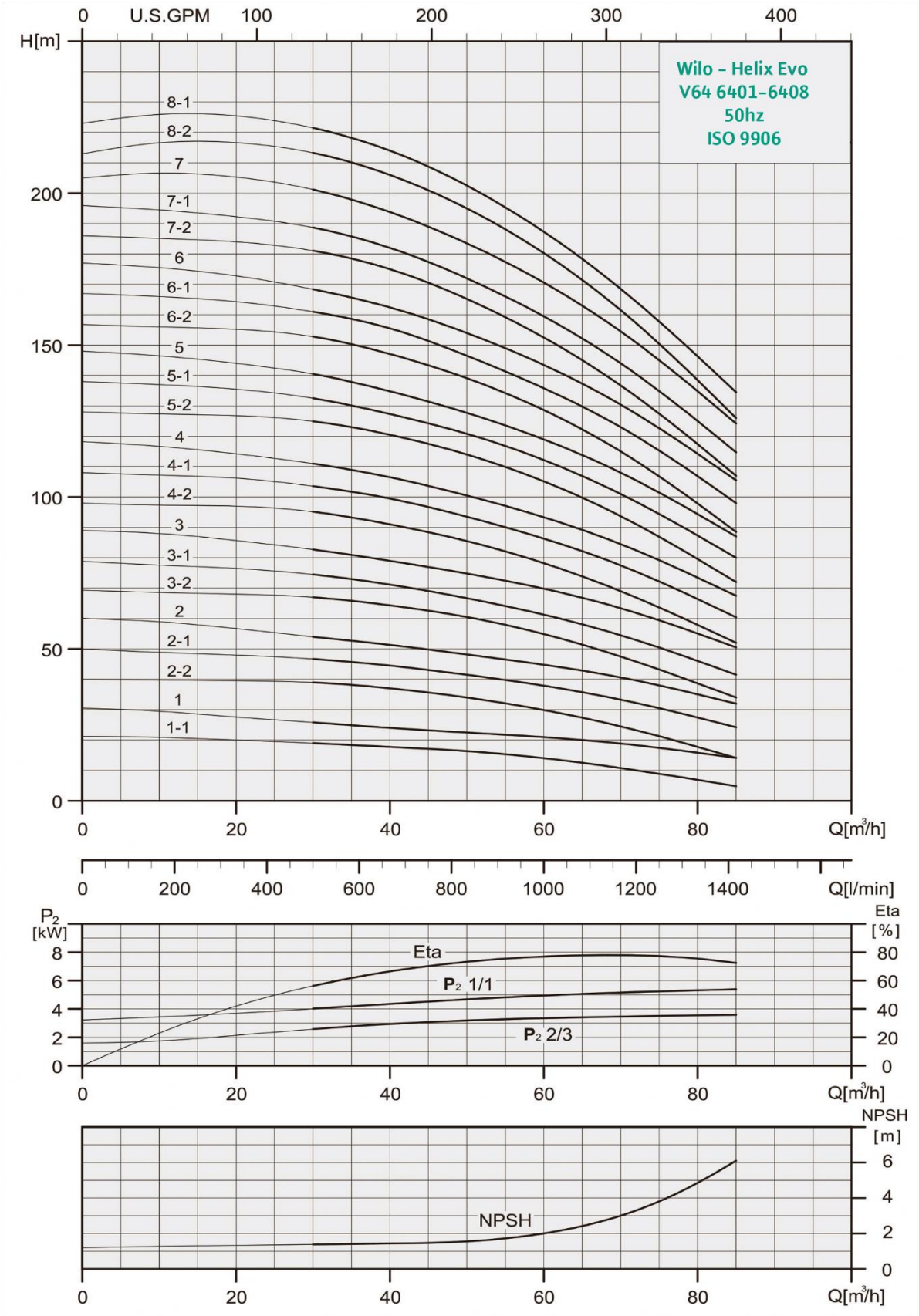
Model	Motor	Nominal Load Current	Motor Efficiency	Max. Operating Pressure	Dimension					Weight
	(kW)	400V	η(%)		H1	H2	D1	D2	D3	(kg)
Helix Evo V 4501/1-2/16/E/K/400-50	3	6.5	88.4%	16	561	877	197	147	280	91.7
Helix Evo V 4501-2/16/E/K/400-50	4	8.7	90.2%	16	561	887	220	161	280	95.1
Helix Evo V 4502/2-2/16/E/K/400-50	5.5	11.2	90.9%	16	641	1003	235	197	300	118.3
Helix Evo V 4502-2/16/E/K/400-50	7.5	14.7	91.4%	16	641	1039	235	197	300	124.6
Helix Evo V 4503/2-2/16/E/K/400-50	11	19.6	91.2%	16	831	1336	318	245	350	170.0
Helix Evo V 4503-2/16/E/K/400-50	11	19.6	91.2%	16	831	1336	318	245	350	170.0
Helix Evo V 4504/2-2/16/E/K/400-50	15	26.5	91.9%	16	911	1421	318	245	350	183.8
Helix Evo V 4504-2/16/E/K/400-50	15	26.5	91.9%	16	911	1421	318	245	350	183.8
Helix Evo V 4505/2-2/16/E/K/400-50	18.5	32.5	92.4%	16	991	1541	318	245	350	211.6
Helix Evo V 4505-2/16/E/K/400-50	18.5	32.5	92.4%	16	991	1541	318	245	350	211.6
Helix Evo V 4506/2-2/30/E/K/400-50	22	38.5	92.7%	30	1071	1651	358	265	350	258.1
Helix Evo V 4506-2/30/E/K/400-50	22	38.5	92.7%	30	1071	1651	358	265	350	258.1
Helix Evo V 4507/2-2/30/E/K/400-50	30	52.1	93.3%	30	1151	1811	420	295	400	346.4
Helix Evo V 4507-2/30/E/K/400-50	30	52.1	93.3%	30	1151	1811	420	295	400	346.5
Helix Evo V 4508/2-2/30/E/K/400-50	30	52.1	93.3%	30	1231	1891	420	295	400	350.2
Helix Evo V 4508-2/30/E/K/400-50	30	52.1	93.3%	30	1231	1891	420	295	400	351.3
Helix Evo V 4509/2-2/30/E/K/400-50	30	52.1	93.3%	30	1311	1971	420	295	400	354.0
Helix Evo V 4509-2/30/E/K/400-50	37	64.0	93.7%	30	1311	1971	420	295	400	375.0
Helix Evo V 4510/2-2/30/E/K/400-50	37	64.0	93.7%	30	1391	2051	420	295	400	378.7
Helix Evo V 4510-2/30/E/K/400-50	37	64.0	93.7%	30	1391	2051	420	295	400	378.7
Helix Evo V 4511/2-2/30/E/K/400-50	45	77.6	94.0%	30	1471	2161	470	325	450	430.5
Helix Evo V 4511-2/30/E/K/400-50	45	77.6	94.0%	30	1471	2161	470	325	450	430.5
Helix Evo V 4512/2-2/33/E/K/400-50	45	77.6	94.0%	33	1551	2241	470	325	450	434.2
Helix Evo V 4512-2/33/E/K/400-50	45	77.6	94.0%	33	1551	2241	470	325	450	434.2
Helix Evo V 4513/2-2/33/E/K/400-50	45	77.6	94.0%	33	1631	2321	470	325	450	437.9



No.	Name	Materials
1	Motor Bracket	Cast iron
2	Pump head	Cast iron
3	Outer sleeve	Stainless steel
4	Bearing ring	Bronze
5	Base plate	Cast iron
6	Shaft	Stainless steel
7	Mechanical seal	Cartridge type
8	Impeller	Stainless steel
9	Chamber	Stainless steel
10	Neck ring	Carbon fiber +POB+PTFE
11	O-ring for outer sleeve	Stainless steel
12	Bottom bearing ring	Tungsten carbide
13	Base	Cast iron

Wilo – Helix Evo V 6401-6408

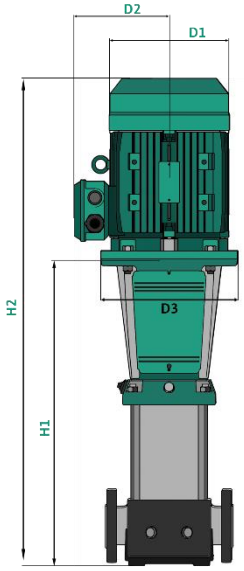
Performance curve

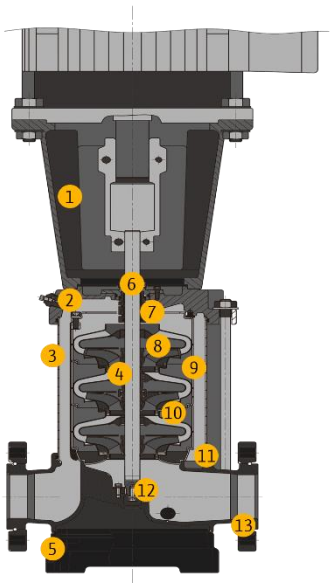


Wilo – Helix Evo V 6401-6408

Technical Data

Model	Motor	Nominal Load Current	Motor Efficiency	Max. Operating Pressure	Dimension					Weight
	(kW)	400V	η(%)		H1	H2	D1	D2	D3	(kg)
Helix Evo V 6401/1-2/16/E/K/400-50	4	8.7	90.2%	16	563	889	220	161	280	88.9
Helix Evo V 6401-2/16/E/K/400-50	5.5	11.2	90.9%	16	563	925	235	197	300	108.3
Helix Evo V 6402/2-2/16/E/K/400-50	7.5	14.7	91.4%	16	646	1044	235	197	300	118.7
Helix Evo V 6402/1-2/16/E/K/400-50	11	19.6	91.2%	16	756	1261	318	245	350	160.3
Helix Evo V 6402-2/16/E/K/400-50	11	19.6	91.2%	16	756	1261	318	245	350	160.3
Helix Evo V 6403/2-2/16/E/K/400-50	15	26.5	91.9%	16	838	1348	318	245	350	174.9
Helix Evo V 6403/1-2/16/E/K/400-50	15	26.5	91.9%	16	838	1348	318	245	350	174.9
Helix Evo V 6403-2/16/E/K/400-50	18.5	32.5	92.4%	16	838	1388	318	245	350	198.9
Helix Evo V 6404/2-2/16/E/K/400-50	18.5	32.5	92.4%	16	921	1471	318	245	350	202.9
Helix Evo V 6404/1-2/16/E/K/400-50	22	38.5	92.7%	16	921	1501	358	265	350	245.7
Helix Evo V 6404-2/16/E/K/400-50	22	38.5	92.7%	16	921	1501	358	265	350	245.7
Helix Evo V 6405/2-2/16/E/K/400-50	30	52.1	93.3%	16	1003	1663	420	295	400	334.3
Helix Evo V 6405/1-2/16/E/K/400-50	30	52.1	93.3%	16	1003	1663	420	295	400	334.3
Helix Evo V 6405-2/16/E/K/400-50	30	52.1	93.3%	16	1003	1663	420	295	400	334.3
Helix Evo V 6406/2-2/30/E/K/400-50	30	52.1	93.3%	30	1086	1746	420	295	400	338.2
Helix Evo V 6406/1-2/30/E/K/400-50	37	64.0	93.7%	30	1086	1746	420	295	400	359.2
Helix Evo V 6406-2/30/E/K/400-50	37	64.0	93.7%	30	1086	1746	420	295	400	359.2
Helix Evo V 6407/2-2/30/E/K/400-50	37	64.0	93.7%	30	1168	1828	420	295	400	363.3
Helix Evo V 6407/1-2/30/E/K/400-50	37	64.0	93.7%	30	1168	1828	420	295	400	363.3
Helix Evo V 6407-2/30/E/K/400-50	45	77.6	94.0%	30	1172	1862	470	325	450	411.4
Helix Evo V 6408/2-2/30/E/K/400-50	45	77.6	94.0%	30	1255	1945	470	325	450	415.5
Helix Evo V 6408/1-2/30/E/K/400-50	45	77.6	94.0%	30	1255	1945	470	325	450	415.5

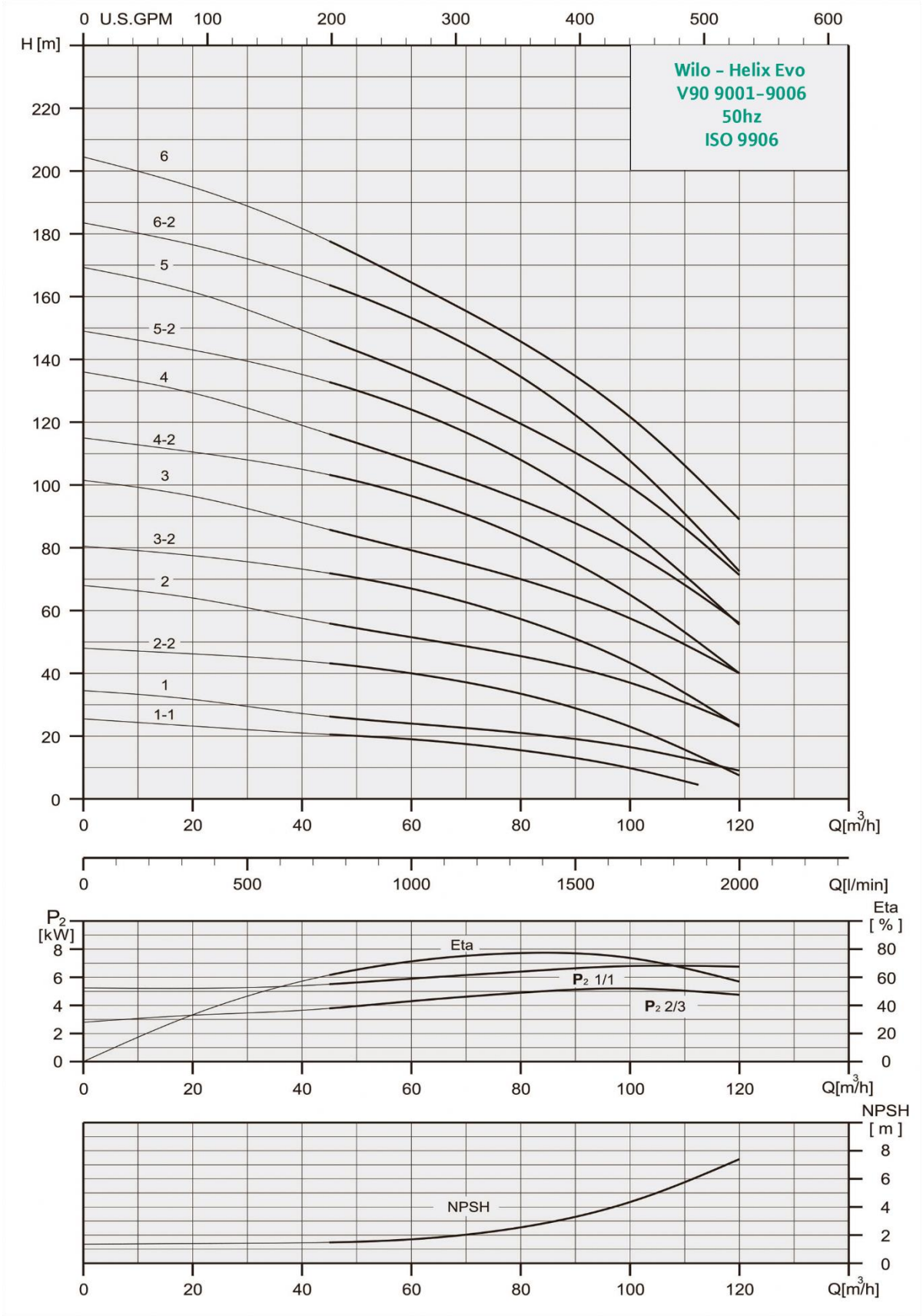




No.	Name	Materials
1	Motor Bracket	Cast iron
2	Pump head	Cast iron
3	Outer sleeve	Stainless steel
4	Bearing ring	Bronze
5	Base plate	Cast iron
6	Shaft	Stainless steel
7	Mechanical seal	Cartridge type
8	Impeller	Stainless steel
9	Chamber	Stainless steel
10	Neck ring	Carbon fiber +POB+PTFE
11	O-ring for outer sleeve	Stainless steel
12	Bottom bearing ring	Tungsten carbide
13	Base	Cast iron

Wilo – Helix Evo V 9001-9006

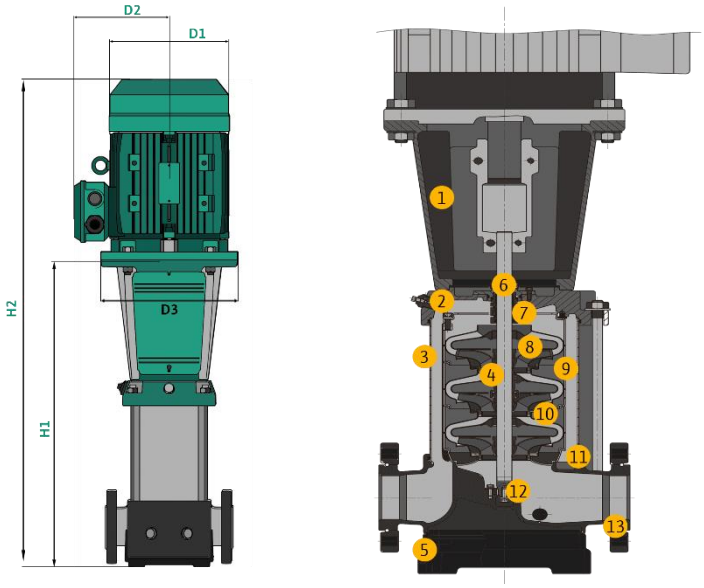
Performance curve



Wilo – Helix Evo V 9001-9006

Technical Data

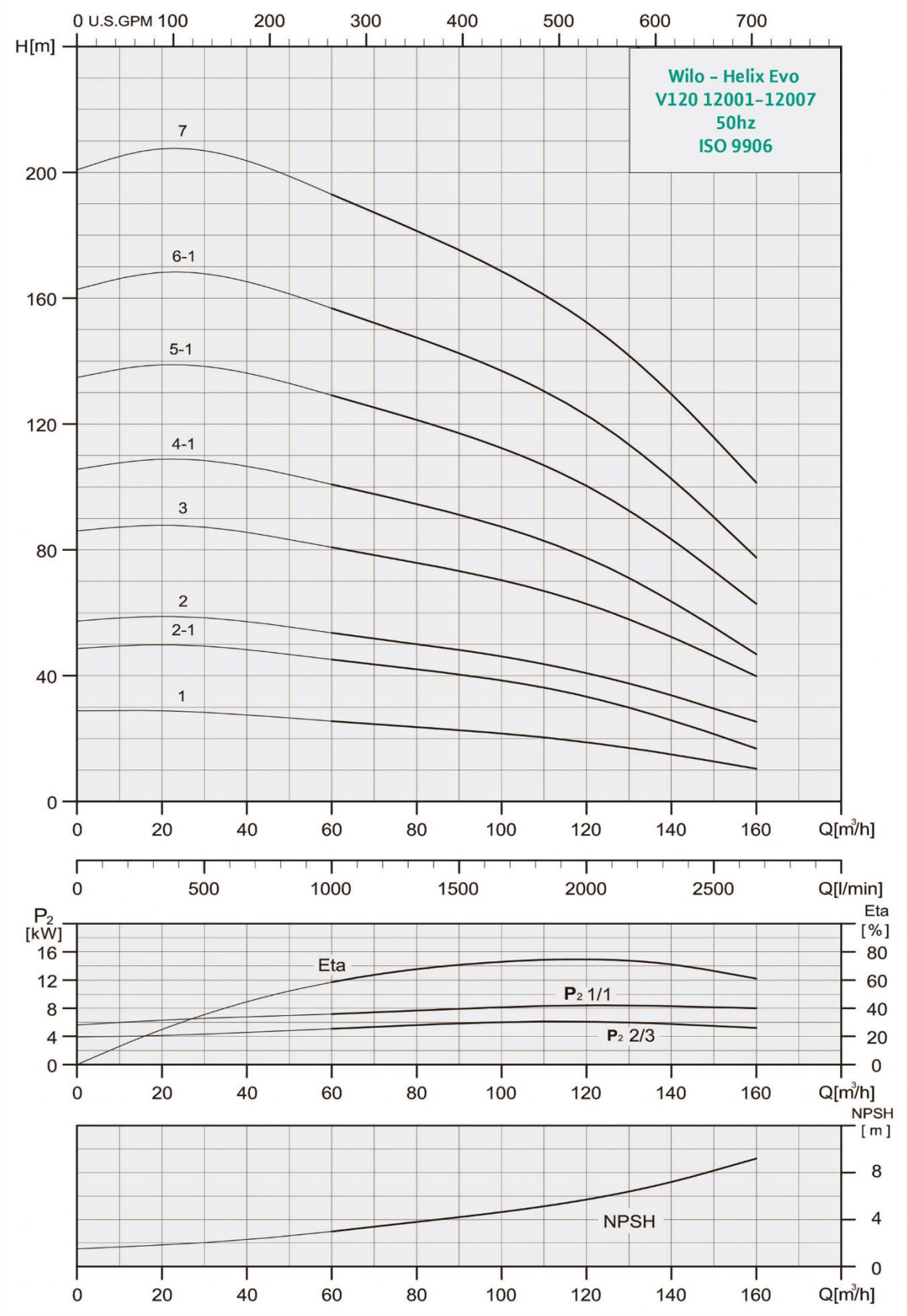
Model	Motor	Nominal Load Current	Motor Efficiency	Max. Operating Pressure	Dimension					Weight
	(kW)	400V	η(%)		H1	H2	D1	D2	D3	(kg)
Helix Evo V 9001/1-1/16/E/K/400-50	5.5	11.2	90.9%	16	572	934	235	197	300	122.2
Helix Evo V 9001-1/16/E/K/400-50	7.5	14.7	91.4%	16	572	970	235	197	300	128.5
Helix Evo V 9002/2-1/16/E/K/400-50	11	19.6	91.2%	16	774	1279	318	245	350	175.4
Helix Evo V 9002-1/16/E/K/400-50	15	26.5	91.9%	16	774	1284	318	245	350	185.4
Helix Evo V 9003/2-1/16/E/K/400-50	18.5	32.5	92.4%	16	866	1416	318	245	350	214.7
Helix Evo V 9003-1/16/E/K/400-50	22	38.5	92.7%	16	866	1446	358	265	350	257.5
Helix Evo V 9004/2-1/16/E/K/400-50	30	52.1	93.3%	16	958	1618	420	295	400	347.3
Helix Evo V 9004-1/16/E/K/400-50	30	52.1	93.3%	16	958	1618	420	295	400	347.3
Helix Evo V 9005/2-1/30/E/K/400-50	37	64.0	93.7%	30	1050	1710	420	295	400	347.9
Helix Evo V 9005-1/30/E/K/400-50	37	64.0	93.7%	30	1050	1710	420	295	400	347.9
Helix Evo V 9006/2-1/30/E/K/400-50	45	77.6	94.0%	30	1142	1832	470	325	450	428.2
Helix Evo V 9006-1/30/E/K/400-50	45	77.6	94.0%	30	1142	1832	470	325	450	428.3



No.	Name	Materials
1	Motor Bracket	Cast iron
2	Pump head	Cast iron
3	Outer sleeve	Stainless steel
4	Bearing ring	Bronze
5	Base plate	Cast iron
6	Shaft	Stainless steel
7	Mechanical seal	Cartridge type
8	Impeller	Stainless steel
9	Chamber	Stainless steel
10	Neck ring	Carbon fiber +POB+PTFE
11	O-ring for outer sleeve	Stainless steel
12	Bottom bearing ring	Tungsten carbide
13	Base	Cast iron

Wilo – Helix Evo V 12001–12007

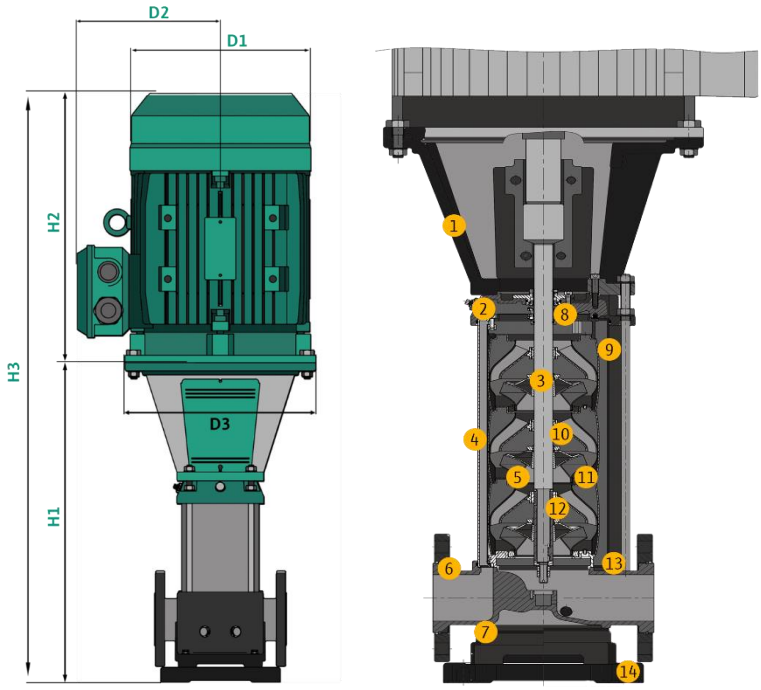
Performance curve



Wilo – Helix Evo V 12001–12007

Technical Data

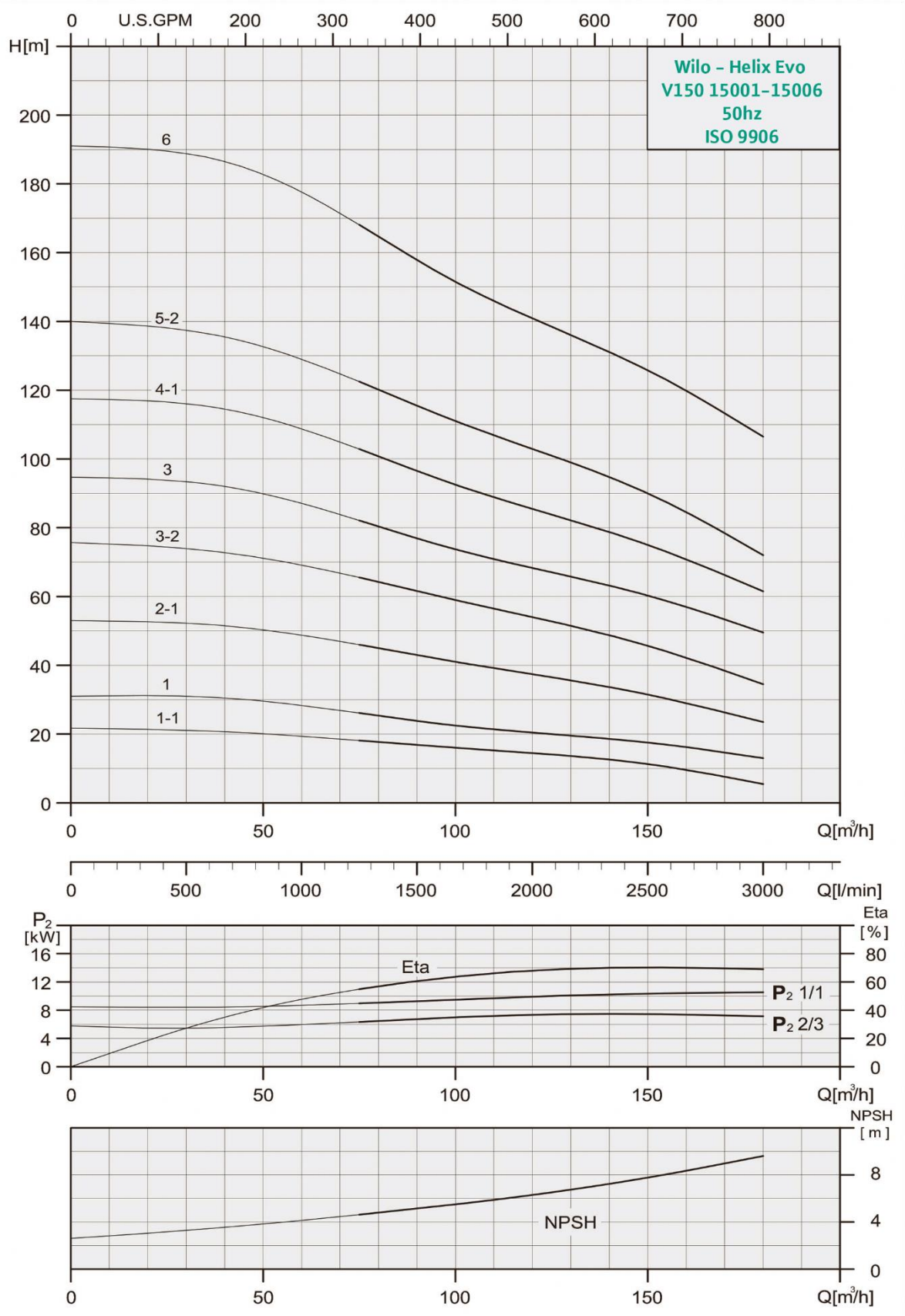
Model	Motor	Nominal Load Current	Motor Efficiency	Max. Operating Pressure	Dimension						Weight
	(kW)	400V	η(%)		H1	H2	H3	D1	D2	D3	(kg)
Helix Evo V 12001-2/30/E/K/400-50	11	19.6	91.2%	30	834	505	1339	318	245	350	201.1
Helix Evo V 12002/1-2/30/E/K/400-50	18.5	32.5	92.4%	30	990	550	1540	318	245	350	245.1
Helix Evo V 12002-2/30/E/K/400-50	22	38.5	92.7%	30	990	580	1570	358	265	350	291.8
Helix Evo V 12003-2/30/E/K/400-50	30	52.1	93.3%	30	1145	660	1805	420	295	400	382.5
Helix Evo V 12004/1-2/30/E/K/400-50	37	64.0	93.7%	30	1301	660	1961	420	295	400	413.5
Helix Evo V 12005/1-2/30/E/K/400-50	45	77.6	94.0%	30	1460	690	2150	470	325	450	471.6
Helix Evo V 12006/1-2/30/E/K/400-50	55	94.6	94.3%	30	1642	770	2412	510	355	550	604.8
Helix Evo V 12007-2/30/E/K/400-50	75	128.4	94.7%	30	1797	845	2642	580	410	550	736.4



No.	Name	Materials
1	Motor bracket	Cast iron
2	Pump head	Cast iron/ Stainless steel
3	Shaft	Stainless steel
4	Outer sleeve	Stainless steel
5	Neck ring	PTFE
6	Base	Cast iron/ Stainless steel
7	Base plate	Cast iron
8	Mechanical seal	Cartridge type
9	Chamber	Stainless steel
10	Bearing ring	PTFE
11	Impeller	Stainless steel
12	Bottom bearing ring	SiC/SiC
13	O-ring for outer sleeve	EPDM
14	Base plate	Cast iron

Wilo – Helix Evo V 15001–15006

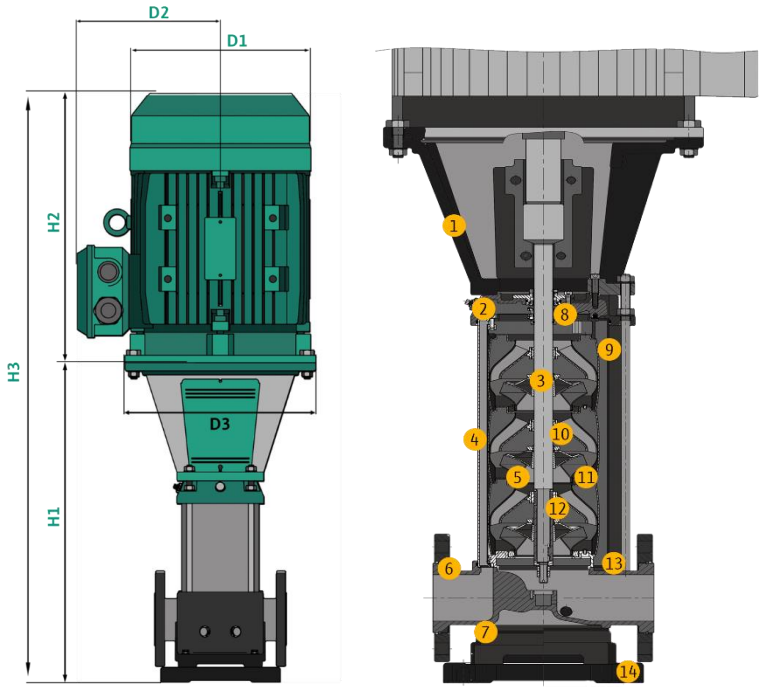
Performance curve



Wilo – Helix Evo V 15001–15006

Technical Data

Model	Motor	Nominal Load Current	Motor Efficiency	Max. Operating Pressure	Dimension						Weight
	(kW)	400V	η(%)		H1	H2	H3	D1	D2	D3	(kg)
Helix Evo V 15001/1-1/30/E/K/400-50	11	19.6	91.2%	30	834	505	1339	318	245	350	201.0
Helix Evo V 15001-1/30/E/K/400-50	15	26.5	91.9%	30	834	510	1344	318	245	350	211.0
Helix Evo V 15002/1-1/30/E/K/400-50	22	38.5	92.7%	30	990	580	1570	358	265	350	287.8
Helix Evo V 15003/2-1/30/E/K/400-50	30	52.1	93.3%	30	1145	660	1805	420	295	400	382.3
Helix Evo V 15003-1/30/E/K/400-50	37	64.0	93.7%	30	1145	660	1805	420	295	400	403.4
Helix Evo V 15004/1-1/30/E/K/400-50	45	77.6	94.0%	30	1305	690	1995	470	325	450	461.4
Helix Evo V 15005/2-1/30/E/K/400-50	55	94.6	94.3%	30	1486	770	2256	510	355	550	594.7
Helix Evo V 15006-1/30/E/K/400-50	75	128.4	94.7%	30	1642	845	2487	580	410	550	726.0



No.	Name	Materials
1	Motor bracket	Cast iron
2	Pump head	Cast iron/ Stainless steel
3	Shaft	Stainless steel
4	Outer sleeve	Stainless steel
5	Neck ring	PTFE
6	Base	Cast iron/ Stainless steel
7	Base plate	Cast iron
8	Mechanical seal	Cartridge type
9	Chamber	Stainless steel
10	Bearing ring	PTFE
11	Impeller	Stainless steel
12	Bottom bearing ring	SiC/SiC
13	O-ring for outer sleeve	EPDM
14	Base plate	Cast iron

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