



VERTICAL MULTISTAGE PUMPS HIL AND HILFLEX



SEE OUR FLEXDRIVE LEAFLET FOR DRIVE DETAILS

 **reliable**  **efficient**  **quality**

SMEDEGÅRD
Pumping Technology

HIL Vertical Multistage Pumps

Introduction

Smedegaards' range of HIL vertical multistage centrifugal pumps has been tailored to meet the needs of the potable/process water pumping industry. Many years of experience in the field and the continuing developments of the pumps to fully meet ErP legislation has led to the latest introduction which are ErP compliant in accordance with regulation No. 547/2012 implementing "Ecodesign" directive 2009/125/EC.

The new range features excellent efficiency and reliability while remaining interchangeable with older models.

Many options such as choices of connections or mechanical seals are readily available direct from the factory or, for more specialised uses we have many other options that are available upon request, those are highlighted within the literature.

Reliability and Efficiency

In these days of concern about the environment it is important to encapsulate these concerns within the design and construction of the pumps. With this in mind, great care has been taken to ensure that the greatest possible efficiency is achieved whilst minimising the damage to the environment by the use of up to date production methods along with the use of recyclable materials.

Efficiency

- Unique hydraulic design with high impeller pressures
- MEI Compliant - meets IE3 standard
- Connection sizes optimised to the flow
- Commonality of parts

NPSH

- Low NPSH requirements reduce noise, increases efficiency, ensures longevity and low maintenance

Modular Construction

- Commonality of spares
- Wide range of options
- Shortened delivery times

Reliability

- High quality materials
- Tailored to the application
- Modern production processes
- ISO9001 certified production monitoring

Environmentally Friendly

- Manufactured to EUP guidelines
- Sustainable materials
- 100% recyclable materials
- ISO 14001 certified

Low Noise

- Optimisation of the flow characteristics
- Design of the cooling fan

Application

The combination of durable and innovative construction methods make for a wide range of options to suit the application. The construction and design of the HIL series makes it suitable for many applications. The stainless steel base guarantees the preservation of water quality in every situation. Possible applications:

- Domestic water supply
- Utility
- Cooling water
- Hot water applications
- Fire fighting
- Food, chemical and process industry
- Irrigation

Upgrades and certificates

HIL pumps are of the greatest quality and are finished to the highest standards but some applications demand that little bit more. With the HIL range we are also able to offer:

- Electrolytic polished pump casing and/or pickled and passivated hydraulic assembly
- Various certified sealings
- Purchase and test certificate
- ATEX motors EEXe II T3, EEXd IIC T4

HIL pumps can be equipped with special seals and pressure ratings of up to 40 Bar are available. The following certificates and/or approvals are available:



Standard Features



Motor

Motor configurations

- Standard HIL motor
- HIL block-motor
- Explosion proof Eexe II and Eexd II C
Acc. II 2 G c T3-T4



Shaft seals

3 options for a wide range of media

- Fixed seal
- Easy access seal
- Cartridge seal

11 different seals to suit a wide range of applications



Hydraulic assembly

Durable and reliable stainless steel

- AISI 304
- AISI 316



VE



V



VS



VF



VS F



VC F



V(S) V



V(S) T

Connections

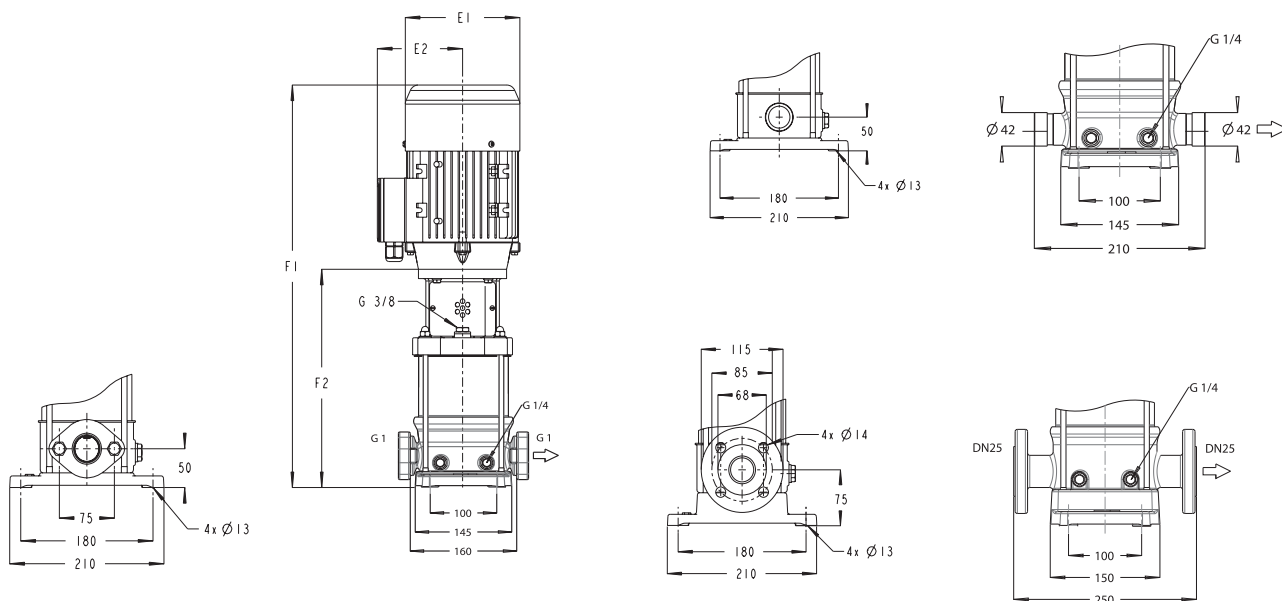
- Pressure class PN 16, 25, 40
- Option of stainless steel AISI 304 or 316
- Connections: Type VE, external thread with built-in non return valve, oval flange, victaulic, triclamp, round flange
- DIN, JIS, ASME



Base plate

- Powder coated cast iron (standard)
- Stainless steel (optional)

Series 2B - 2 Pole

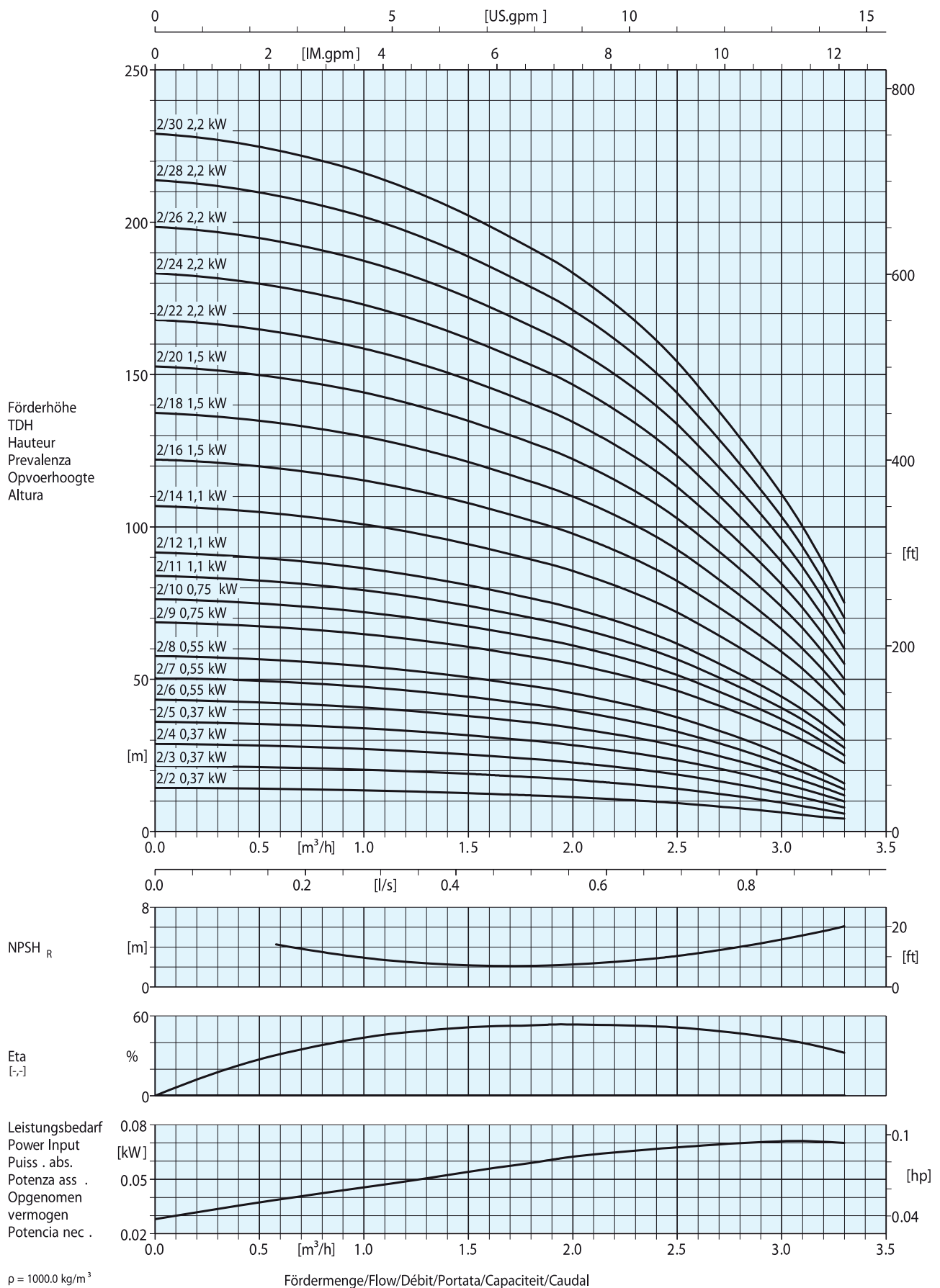


Pump Type HIL -	GENERAL		OVAL FLANGES		ROUND FLANGES		RPM*	kW	Amps - 50Hz		WT Kg.
	E1	E2	F1	F2	F1	F2			230.3.50	400.3.50	
2/2 - 0.37	134	107	472	259	497	284	2865	0.37	1.6	0.95	22
2/3 - 0.37	134	107	493	280	518	305	2865	0.37	1.6	0.95	23
2/4 - 0.37	134	107	515	302	540	327	2865	0.37	1.6	0.95	23
2/5 - 0.37	134	107	536	323	561	348	2865	0.37	1.6	0.95	24
2/6 - 0.55	134	107	558	345	583	370	2880	0.55	2.1	1.2	24
2/7 - 0.55	134	107	579	366	604	391	2880	0.55	2.1	1.2	25
2/8 - 0.55	134	107	601	398	626	423	2880	0.55	2.1	1.2	25
2/9 - 0.75	150	115	676	419	701	444	2865	0.75	3.1	1.8	32
2/10 - 0.75	150	115	698	441	723	466	2865	0.75	3.1	1.8	32
2/11 - 1.1	150	115	719	462	744	487	2870	1.1	4.21	2.4	32
2/12 - 1.1	150	115	741	484	766	509	2870	1.1	4.21	2.4	33
2/14 - 1.1	150	115	784	527	809	552	2870	1.1	4.21	2.4	34
2/16 - 1.5	176	141	833	580	858	605	2900	1.5	5.7	3.3	40
2/18 - 1.5	176	141	876	623	901	648	2900	1.5	5.7	3.3	41
2/20 - 1.5	176	141	919	666	944	691	2900	1.5	5.7	3.3	42
2/22 - 2.2	176	141	991	709	1016	734	2870	2.2	8.2	4.7	46
2/24 - 2.2	176	141	1034	752	1059	777	2870	2.2	8.2	4.7	46
2/26 - 2.2	176	141	1077	795	1102	820	2870	2.2	8.2	4.7	47
2/28 - 2.2	176	141	1120	838	1145	863	2870	2.2	8.2	4.7	48
2/30 - 2.2	176	141	1163	881	1188	906	2870	2.2	8.2	4.7	64

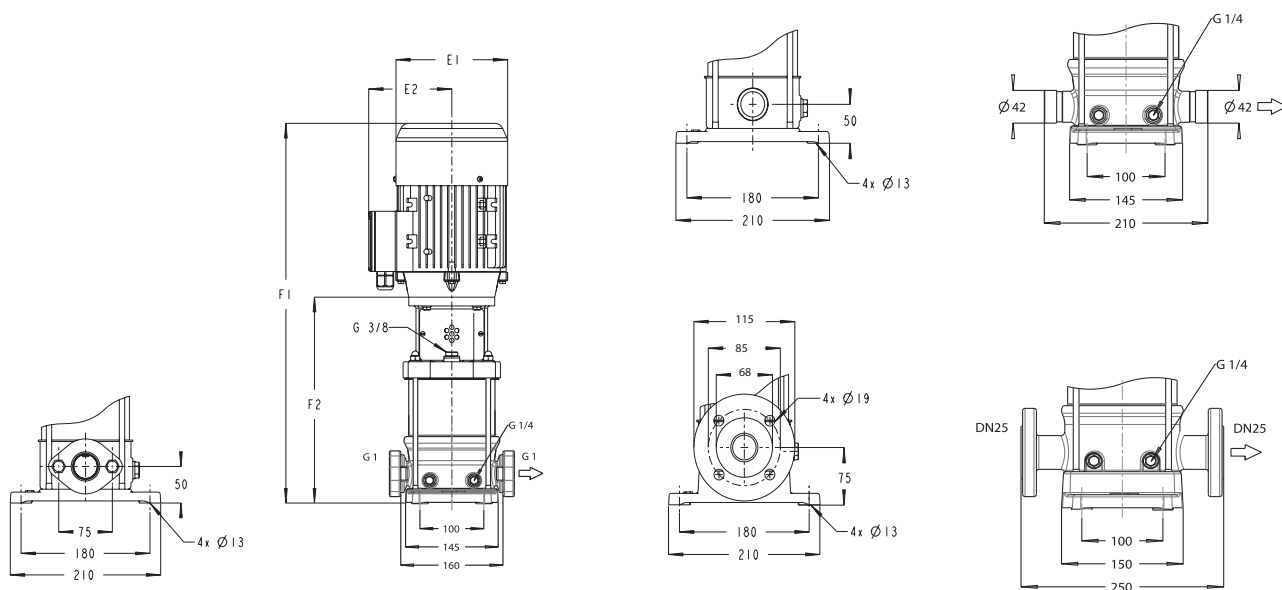
Amps - 50Hz 230.1.50	
kW	Amps
0.37	2.6
0.55	3.69
0.75	5.0
1.1	6.68
1.5	8.99
2.2	13.04

*The pump performance curves and pump data shown in this section is based on the rotational speed shown in this table.

Series 2B - 2 Pole



Series 4B - 2 Pole

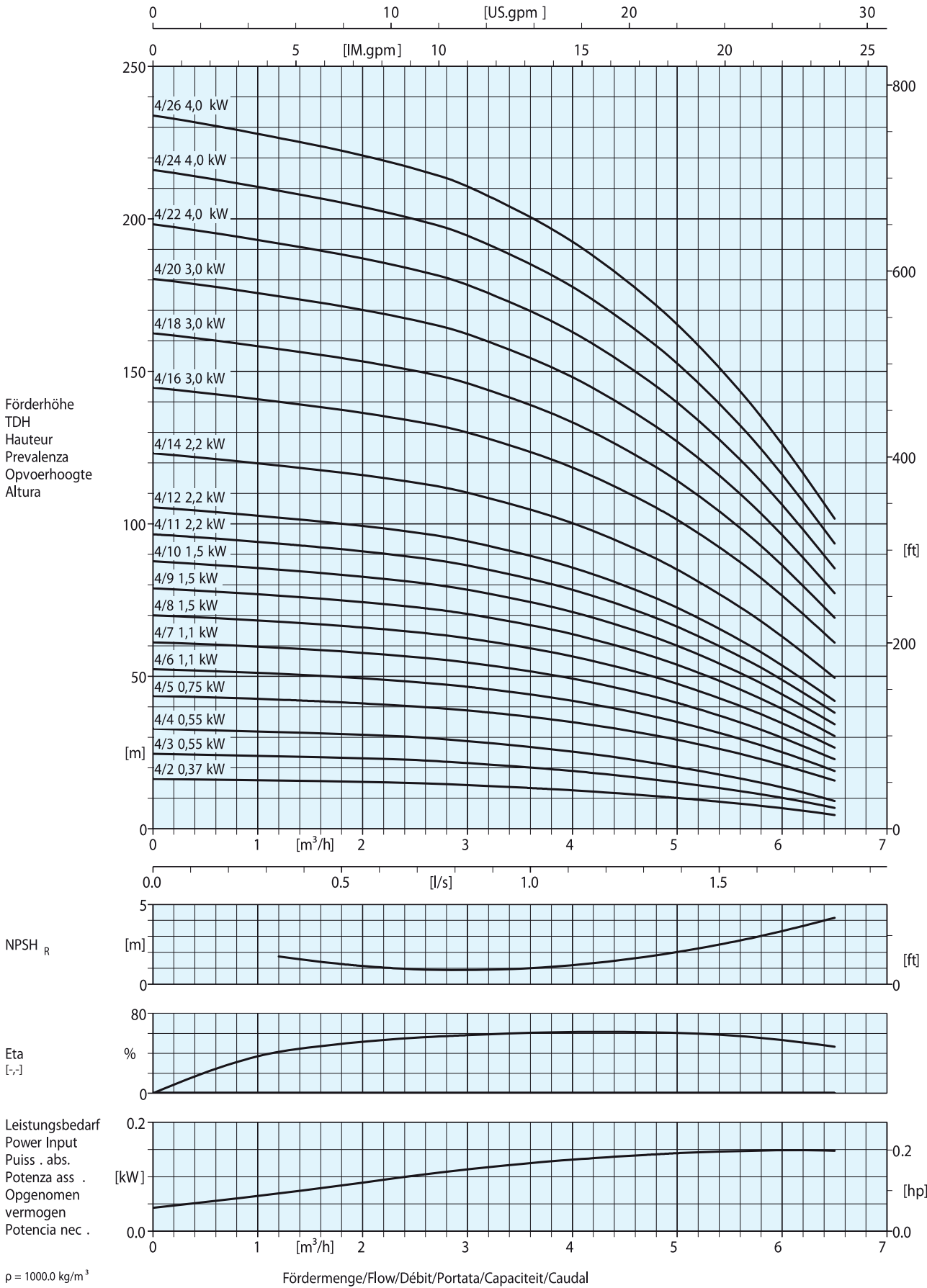


Pump Type HIL -	GENERAL		OVAL FLANGES		ROUND FLANGES		RPM*	kW	Amps - 50Hz		WT Kg.
	E1	E2	F1	F2	F1	F2			230.3.50	400.3.50	
4/2 - 0.37	134	107	472	259	497	284	2865	0.37	1.6	0.95	22
4/3 - 0.55	134	107	493	280	518	305	2880	0.55	2.1	1.2	23
4/4 - 0.55	134	107	515	302	540	327	2880	0.55	2.1	1.2	23
4/5 - 0.75	150	115	590	333	615	358	2865	0.75	3.1	1.8	30
4/6 - 1.1	150	115	612	355	637	380	2870	1.1	4.21	2.4	30
4/7 - 1.1	150	115	633	376	658	401	2870	1.1	4.21	2.4	31
4/8 - 1.5	176	141	661	408	686	433	2900	1.5	5.7	3.3	37
4/9 - 1.5	176	141	682	429	707	454	2900	1.5	5.7	3.3	37
4/10 - 1.5	176	141	704	451	729	476	2900	1.5	5.7	3.3	38
4/11 - 2.2	176	141	754	472	779	497	2870	2.2	8.2	4.7	39
4/12 - 2.2	176	141	776	494	801	519	2870	2.2	8.2	4.7	40
4/14 - 2.2	176	141	819	537	844	562	2870	2.2	8.2	4.7	41
4/16 - 3	195	145	904	590	929	615	2900	3.0	10.2	6.2	52
4/18 - 3	195	145	947	633	972	658	2900	3.0	10.2	6.2	53
4/20 - 3	195	145	990	676	1015	701	2900	3.0	10.2	6.2	53
4/22 - 4	223	167	1042	719	1067	744	2915	4.0	13.4	7.7	61
4/24 - 4	223	167	1085	762	1110	787	2915	4.0	13.4	7.7	62
4/26 - 4	223	167	1128	805	1153	830	2915	4.0	13.4	7.7	62

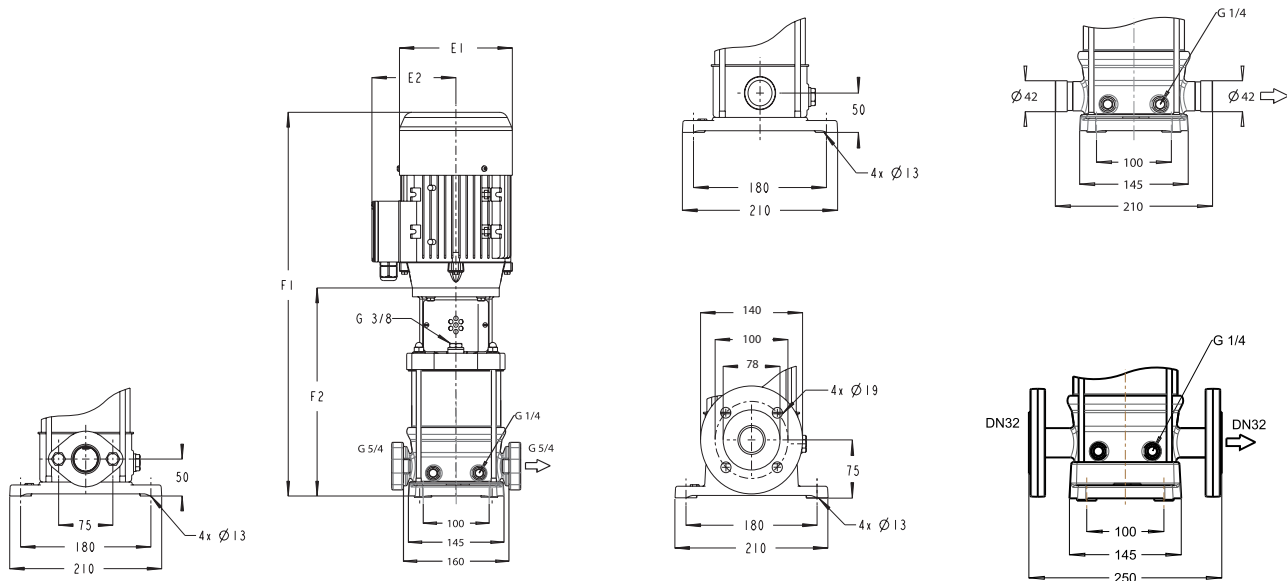
Amps - 50Hz 230.1.50	
kW	Amps
0.37	2.6
0.55	3.69
0.75	5.0
1.1	6.68
1.5	8.99
2.2	13.04

*The pump performance curves and pump data shown in this section is based on the rotational speed shown in this table.

Series 4B - 2 Pole



Series 6B - 2 Pole

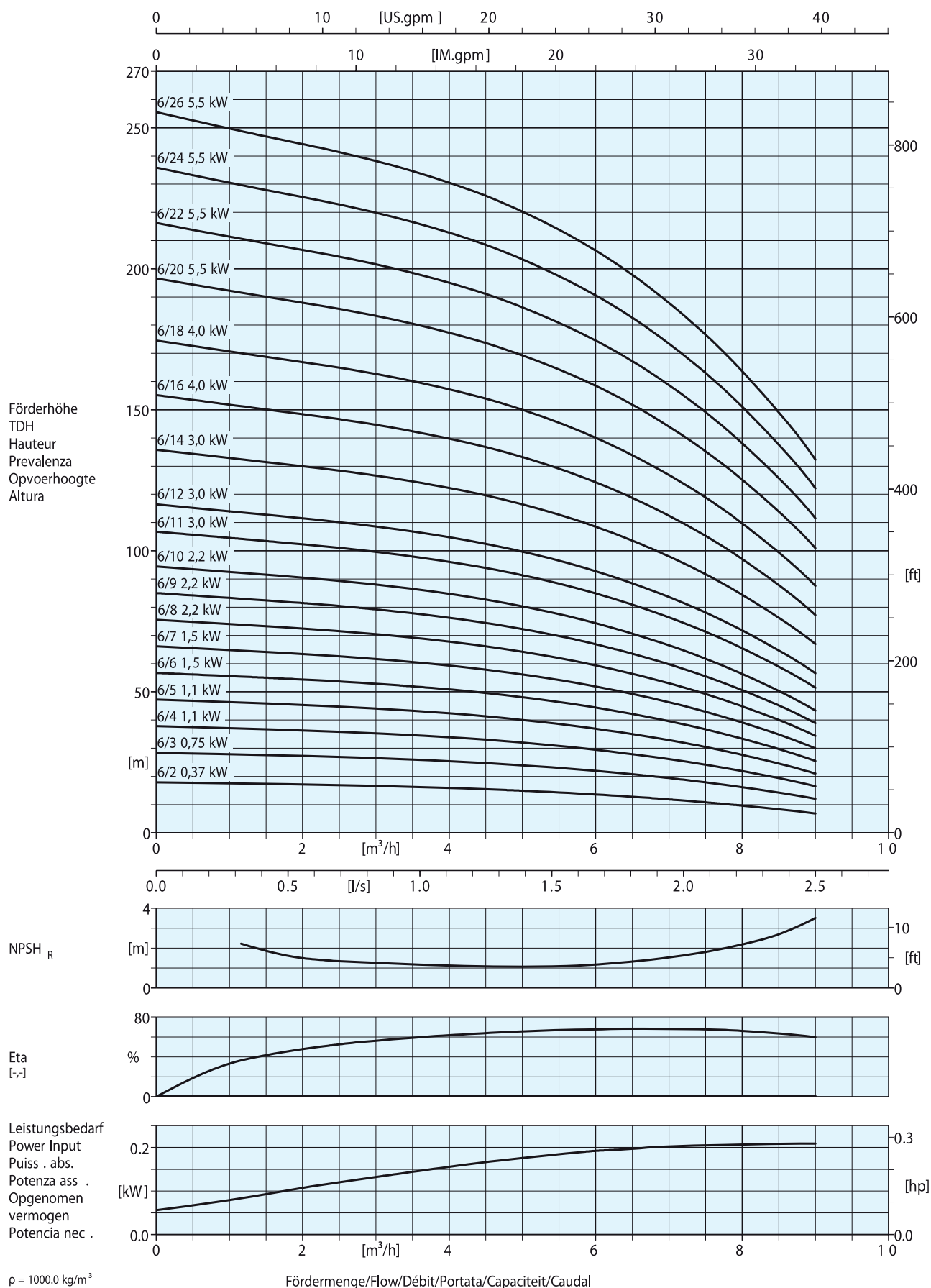


Pump Type HIL -	GENERAL		OVAL FLANGES		ROUND FLANGES		RPM*	kW	Amps - 50Hz		WT Kg.
	E1	E2	F1	F2	F1	F2			230.3.50	400.3.50	
6/2 - 0.37	134	107	479	266	504	291	2865	0.37	1.6	0.95	26
6/3 - 0.75	150	115	558	301	583	326	2865	0.75	3.1	1.8	31
6/4 - 1.1	150	115	583	326	608	351	2870	1.1	4.21	2.4	31
6/5 - 1.1	150	115	608	351	633	376	2870	1.1	4.21	2.4	32
6/6 - 1.5	176	141	639	386	664	411	2900	1.5	5.7	3.3	38
6/7 - 1.5	176	141	664	411	689	436	2900	1.5	5.7	3.3	38
6/8 - 2.2	176	141	718	436	743	461	2870	2.2	8.2	4.7	40
6/9 - 2.2	176	141	743	461	768	486	2870	2.2	8.2	4.7	41
6/10 - 2.2	176	141	768	486	793	511	2870	2.2	8.2	4.7	41
6/11 - 3	195	145	835	521	860	546	2900	3	10.2	6.2	51
6/12 - 3	195	145	860	546	885	571	2900	3	10.2	6.2	52
6/14 - 3	195	145	910	596	935	621	2900	3	10.2	6.2	53
6/16 - 4	223	167	969	646	994	671	2915	4	13.4	7.7	61
6/18 - 4	223	167	1016	696	1044	721	2915	4	13.4	7.7	62

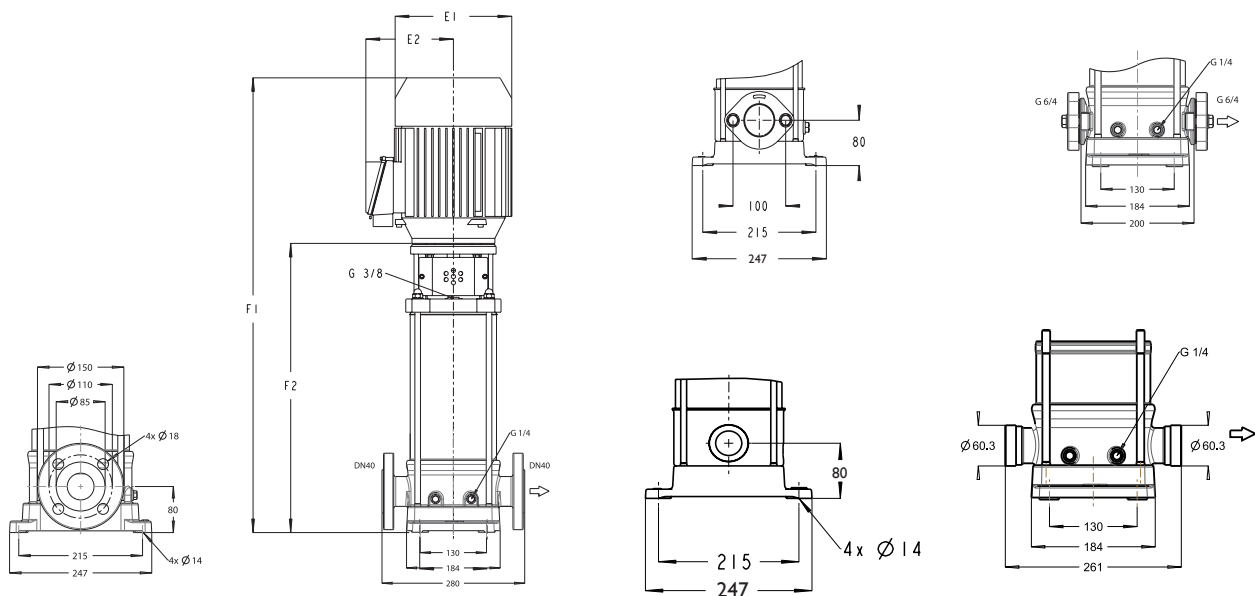
Amps - 50Hz 230.1.50	
kW	Amps
0.37	2.6
0.55	3.69
0.75	5.0
1.1	6.68
1.5	8.99
2.2	13.04

*The pump performance curves and pump data shown in this section is based on the rotational speed shown in this table.

Series 6B - 2 Pole



Series 10B - 2 Pole

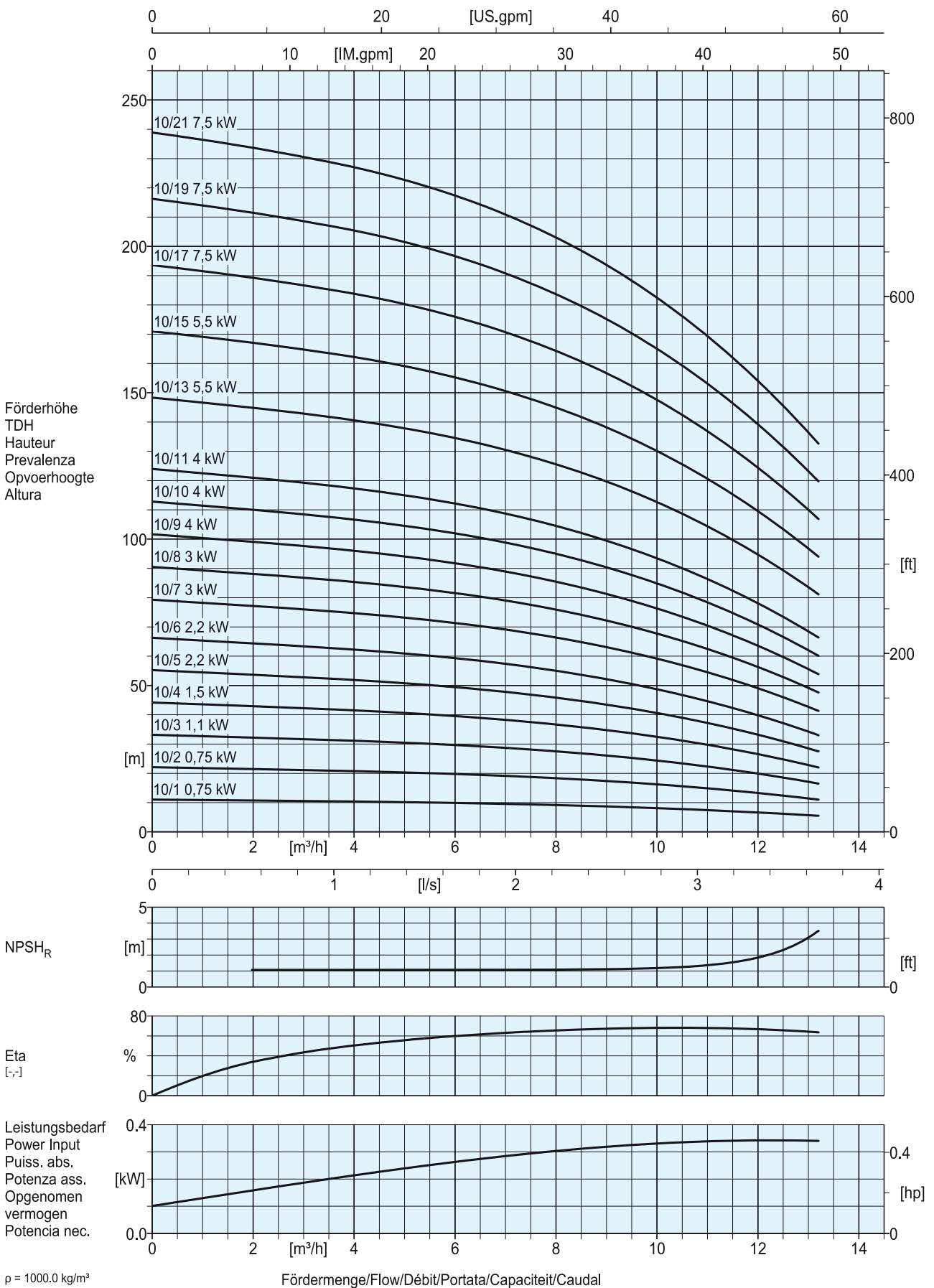


Pump Type HIL -	GENERAL		OVAL FLANGES		ROUND FLANGES		RPM*	kW	Amps - 50Hz		WT Kg.
	E1	E2	F1	F2	F1	F2			230.3.50	400.3.50	
10/1 - 0.75	150	115	621	346	621	346	2865	0.75	3.1	1.8	36
10/2 - 0.75	150	115	621	346	621	346	2865	0.75	3.1	1.8	36
10/3 - 1.1	150	115	647	372	647	372	2870	1.1	4.21	2.4	39
10/4 - 1.5	176	141	679	409	679	409	2900	1.5	5.7	3.3	45
10/5 - 2.2	176	141	720	435	720	435	2870	2.2	8.2	4.7	48
10/6 - 2.2	176	141	747	462	747	462	2870	2.2	8.2	4.7	49
10/7 - 3.0	195	145	828	498	828	498	2900	3.0	10.2	6.2	58
10/8 - 3.0	195	145	855	525	855	525	2900	3.0	10.2	6.2	59
10/9 - 4.0	223	167	891	551	891	551	2915	4.0	13.4	7.7	65
10/10 - 4.0	223	167	918	578	918	578	2915	4.0	13.4	7.7	66
10/11 - 4.0	223	167	944	604	944	604	2915	4.0	13.4	7.7	67
10/13 - 5.5	266	178	1102	737	1102	737	2930	5.5	17.5	10.1	108
10/15 - 5.5	266	178	1155	790	1155	790	2930	5.5	17.5	10.1	112
10/17 - 7.5	266	178	1208	843	1208	843	2920	7.5	22.9	13.2	118
10/19 - 7.5	266	178	1261	896	1261	896	2920	7.5	22.9	13.2	120
10/21 - 7.5	266	178	1314	949	1314	949	2920	7.5	22.9	13.2	122

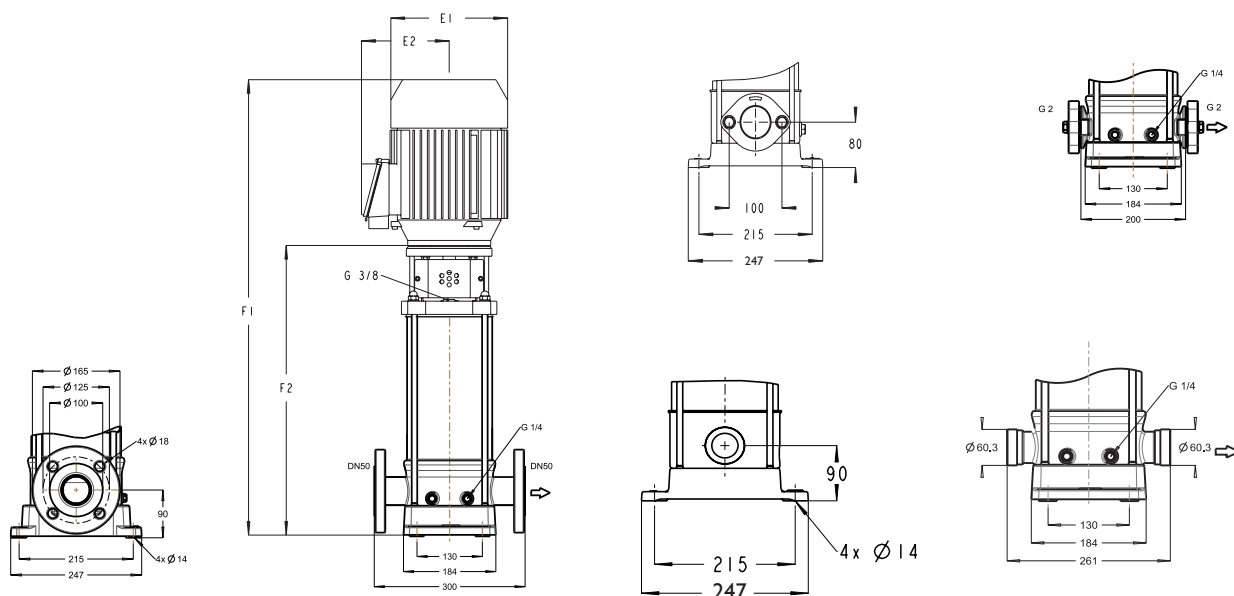
Amps - 50Hz 230.1.50	
kW	Amps
0.37	2.6
0.55	3.69
0.75	5.0
1.1	6.68
1.5	8.99
2.2	13.04

*The pump performance curves and pump data shown in this section is based on the rotational speed shown in this table.

Series 10B - 2 Pole



Series 15B - 2 Pole

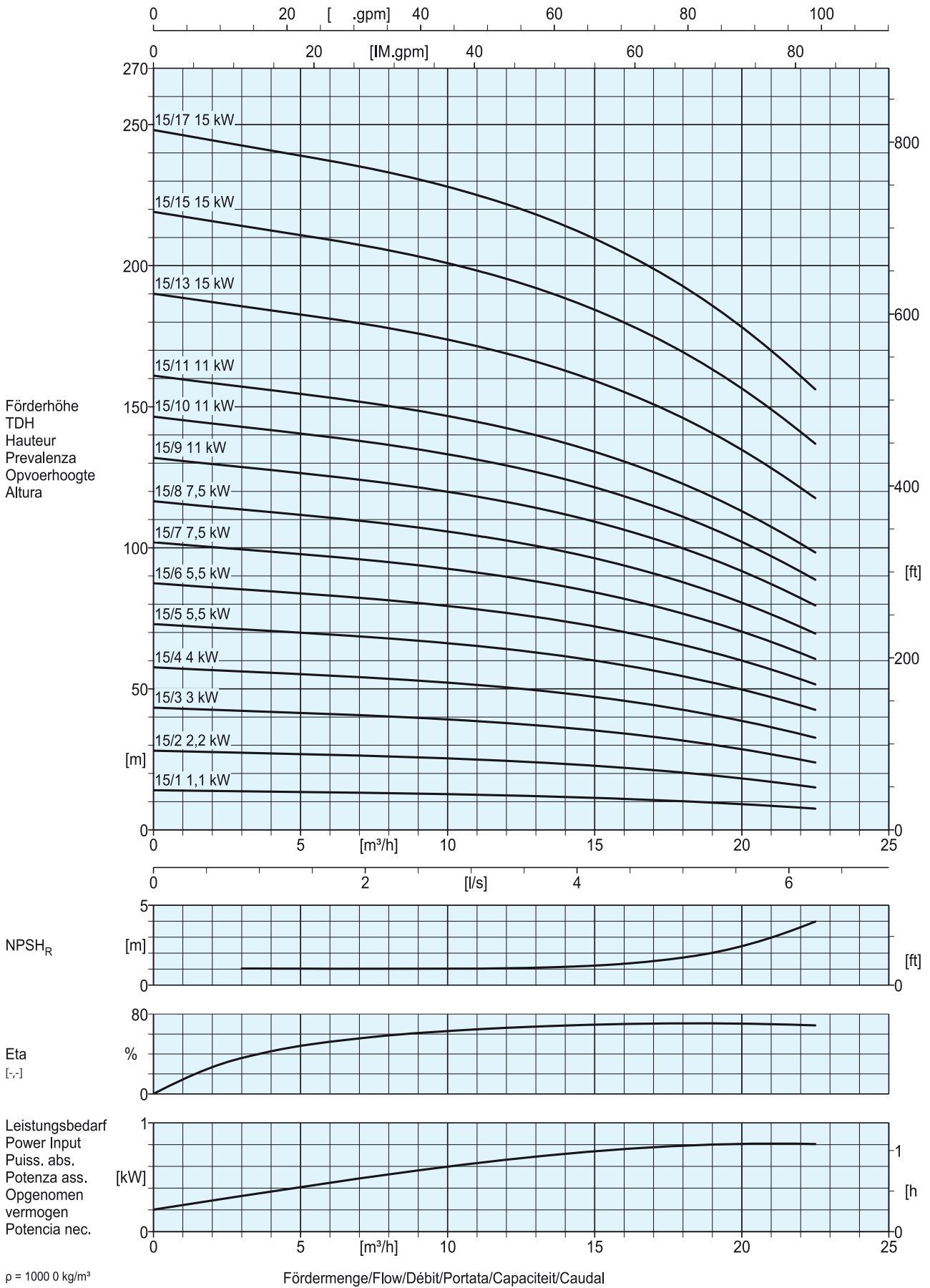


Pump Type HIL -	GENERAL		OVAL FLANGES		ROUND FLANGES		RPM*	kW	Amps - 50Hz		WT Kg.
	E1	E2	F1	F2	F1	F2			230.3.50	400.3.50	
15/1 - 1.1	150	115	621	346	631	356	2870	1.1	4.21	2.4	40
15/2 - 2.2	176	141	641	356	651	366	2870	2.2	8.2	4.7	47
15/3 - 3	195	145	722	392	732	402	2900	3	10.2	6.2	56
15/4 - 4	223	167	759	419	769	429	2915	4	13.4	7.7	62
15/5 - 5.5	266	178	890	525	900	535	2930	5.5	17.5	10.1	101
15/6 - 5.5	266	178	916	551	926	561	2930	5.5	17.5	10.1	102
15/7 - 7.5	266	178	943	578	953	588	2920	7.5	22.9	13.2	107
15/8 - 7.5	266	178	969	604	979	614	2920	7.5	22.9	13.2	109
15/9 - 11	315	204	1159	661	1169	671	2950	11	36.5	21	186
15/10 - 11	315	204	1185	687	1195	697	2950	11	36.5	21	187
15/11 - 11	315	204	-	-	1222	724	2950	11	36.5	21	188
15/13 - 15	315	204	-	-	1275	777	2945	15	49	28.2	203
15/15 - 15	315	204	-	-	1328	830	2945	15	49	28.2	205
15/17 - 15	315	204	-	-	1381	883	2945	15	49	28.2	207

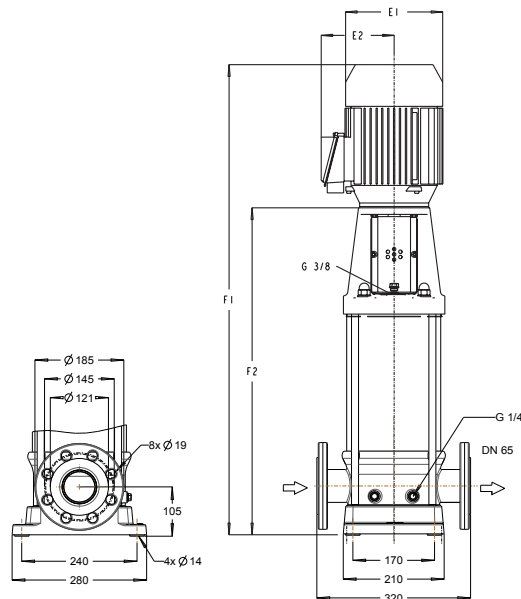
Amps - 50Hz 230.1.50	
kW	Amps
0.37	2.6
0.55	3.69
0.75	5.0
1.1	6.68
1.5	8.99
2.2	13.04

*The pump performance curves and pump data shown in this section is based on the rotational speed shown in this table.

Series 15B - 2 Pole



Series 25B - 2 Pole

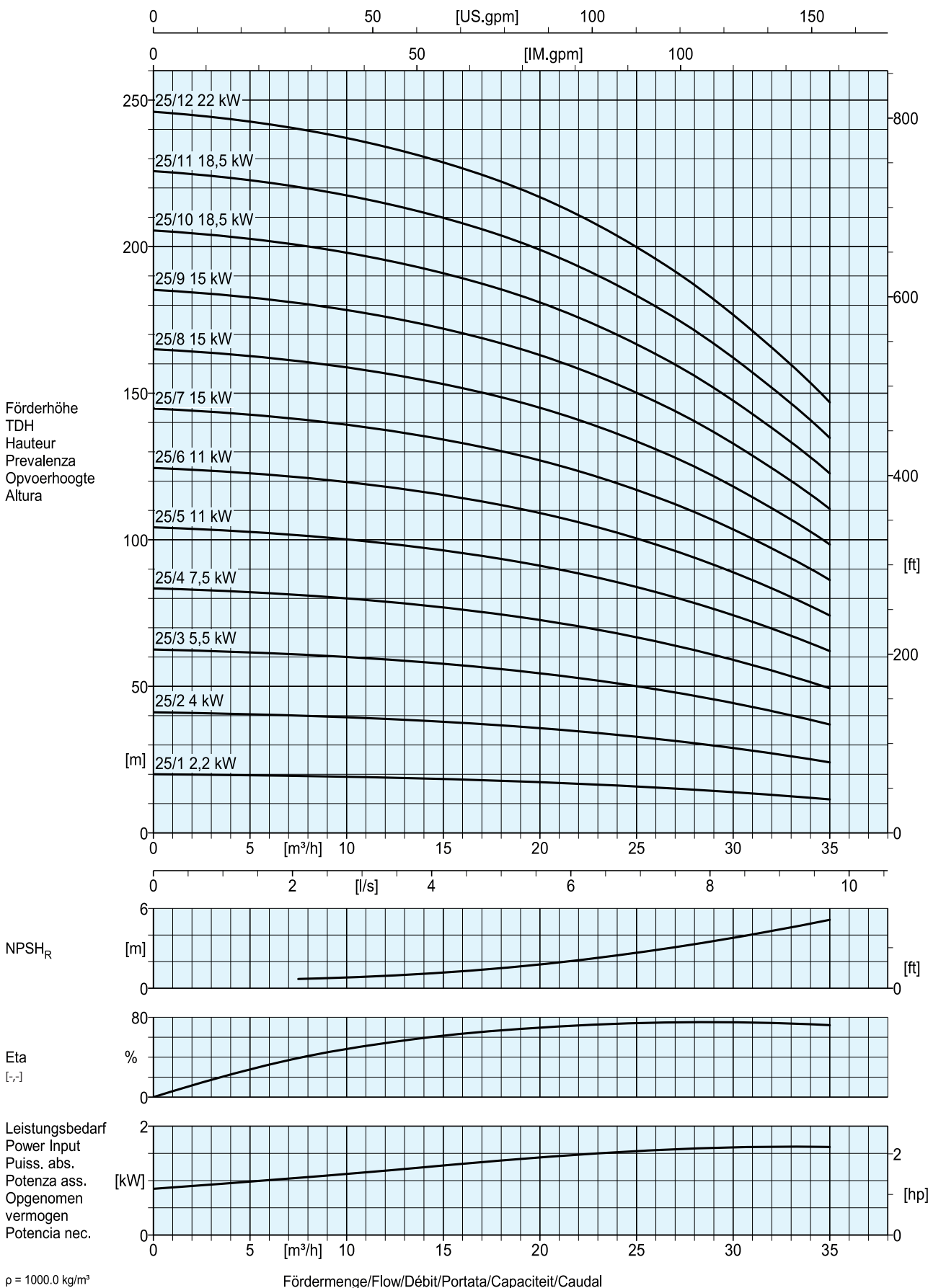


Pump Type HIL -	GENERAL		OVAL FLANGES		ROUND FLANGES		RPM*	kW	Amps - 50Hz		WT Kg.
	E1	E2	F1	F2	F1	F2			230.3.50	400.3.50	
25/1	176	141	-	-	693	408	2870	2.2	8.2	4.7	70
25/2	223	167	-	-	818	478	2915	4	13.4	7.7	85
25/3	266	178	-	-	999	634	2930	5.5	17.5	10.1	114
25/4	266	178	-	-	1064	699	2920	7.5	22.9	13.2	121
25/5	315	204	-	-	1292	794	2950	11	36.5	21	203
25/6	315	204	-	-	1357	859	2950	11	36.5	21	206
25/7	315	204	-	-	1422	924	2945	15	49	28.2	218
25/8	315	204	-	-	1487	989	2945	15	49	28.2	231
25/9	315	204	-	-	1552	1054	2945	15	49	28.2	233
25/10	315	204	-	-	1699	1119	2950	18.5	58.5	33.6	253
25/11	315	204	-	-	1764	1184	2945	18.5	58.5	33.6	256
25/12	350	223	-	-	1829	1249	2945	22	68.7	39.5	294

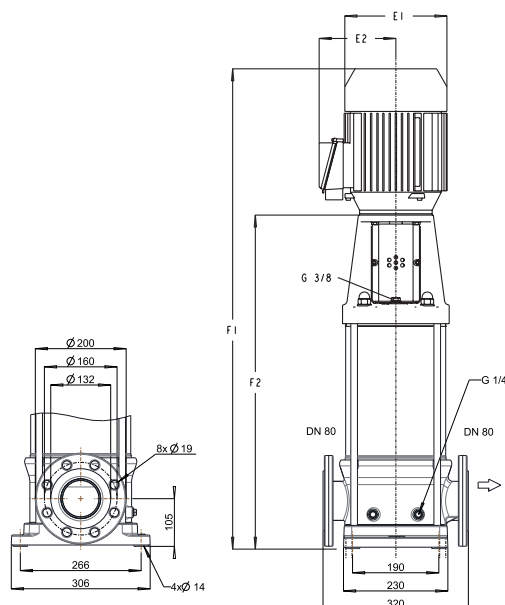
Amps - 50Hz 230.1.50	
kW	Amps
0.37	2.6
0.55	3.69
0.75	5.0
1.1	6.68
1.5	8.99
2.2	13.04

*The pump performance curves and pump data shown in this section is based on the rotational speed shown in this table.

Series 25B - 2 Pole



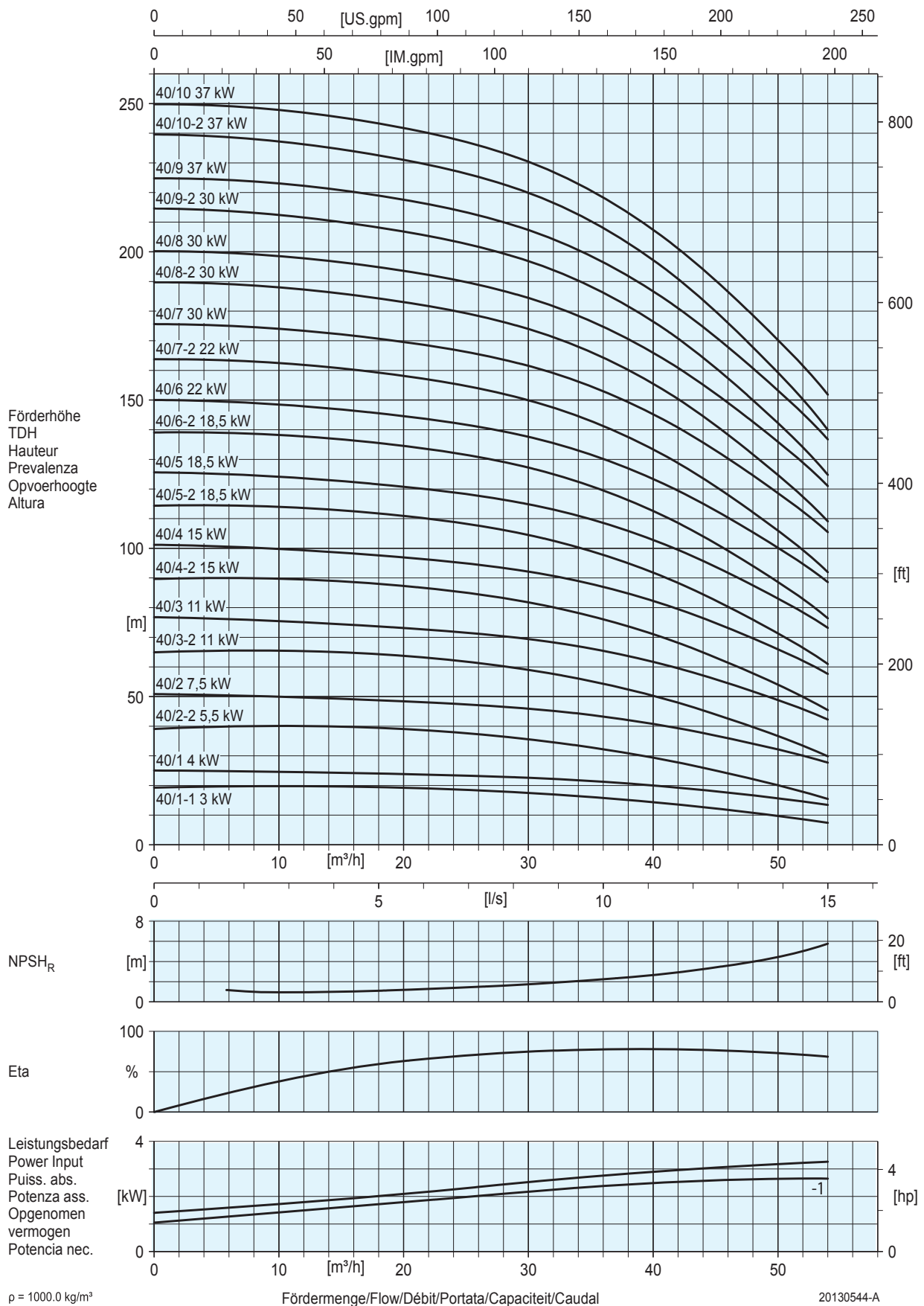
Series 40B - 2 Pole



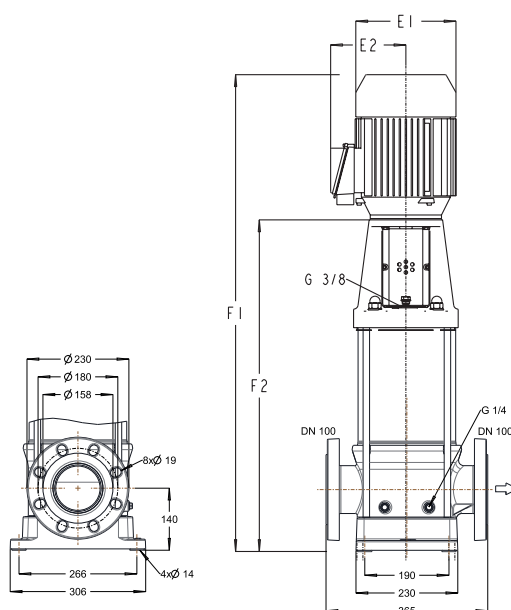
Pump Type HIL -	GENERAL		OVAL FLANGES		ROUND FLANGES		RPM*	kW	Amps - 50Hz		WT Kg.
	E1	E2	F1	F2	F1	F2			230.3.50	400.3.50	
40/1-1	195	145	-	-	817	487	2900	3	10.2	6.2	92
40/1	223	167	-	-	827	487	2915	4	13.4	7.7	98
40/2-2	266	178	-	-	1002	655	2930	5.5	17.5	10.1	129
40/2	266	178	-	-	1002	655	2920	7.5	22.9	13.2	133
40/3-2	315	204	-	-	1261	763	2950	11	36.5	21	214
40/3	315	204	-	-	1261	763	2950	11	36.5	21	214
40/4-2	315	204	-	-	1339	841	2945	15	49	28.2	230
40/4	315	204	-	-	1339	841	2945	15	49	28.2	230
40/5-2	315	204	-	-	1499	919	2950	18.5	58.5	33.6	261
40/5	315	204	-	-	1499	919	2950	18.5	58.5	33.6	261
40/6-2	315	204	-	-	1577	997	2950	18.5	58.5	33.6	264
40/6	350	223	-	-	1577	997	2945	22	68.7	39.5	300
40/7-2	350	223	-	-	1655	1075	2945	22	68.7	39.5	308
40/7	400	290	-	-	1725	1075	2955	30	89.7	51.8	374
40/8-2	400	290	-	-	1803	1153	2955	30	89.7	51.8	397
40/8	400	290	-	-	1803	1153	2955	30	89.7	51.8	397
40/9-2	400	290	-	-	1881	1231	2955	30	89.7	51.8	402
40/9	400	290	-	-	1881	1231	2957	37	110	63.5	406
40/10-2	400	290	-	-	1959	1309	2957	37	110	63.5	410
40/10	400	290	-	-	1959	1309	2957	37	110	63.5	410

*The pump performance curves and pump data shown in this section is based on the rotational speed shown in this table.

Series 40B - 2 Pole



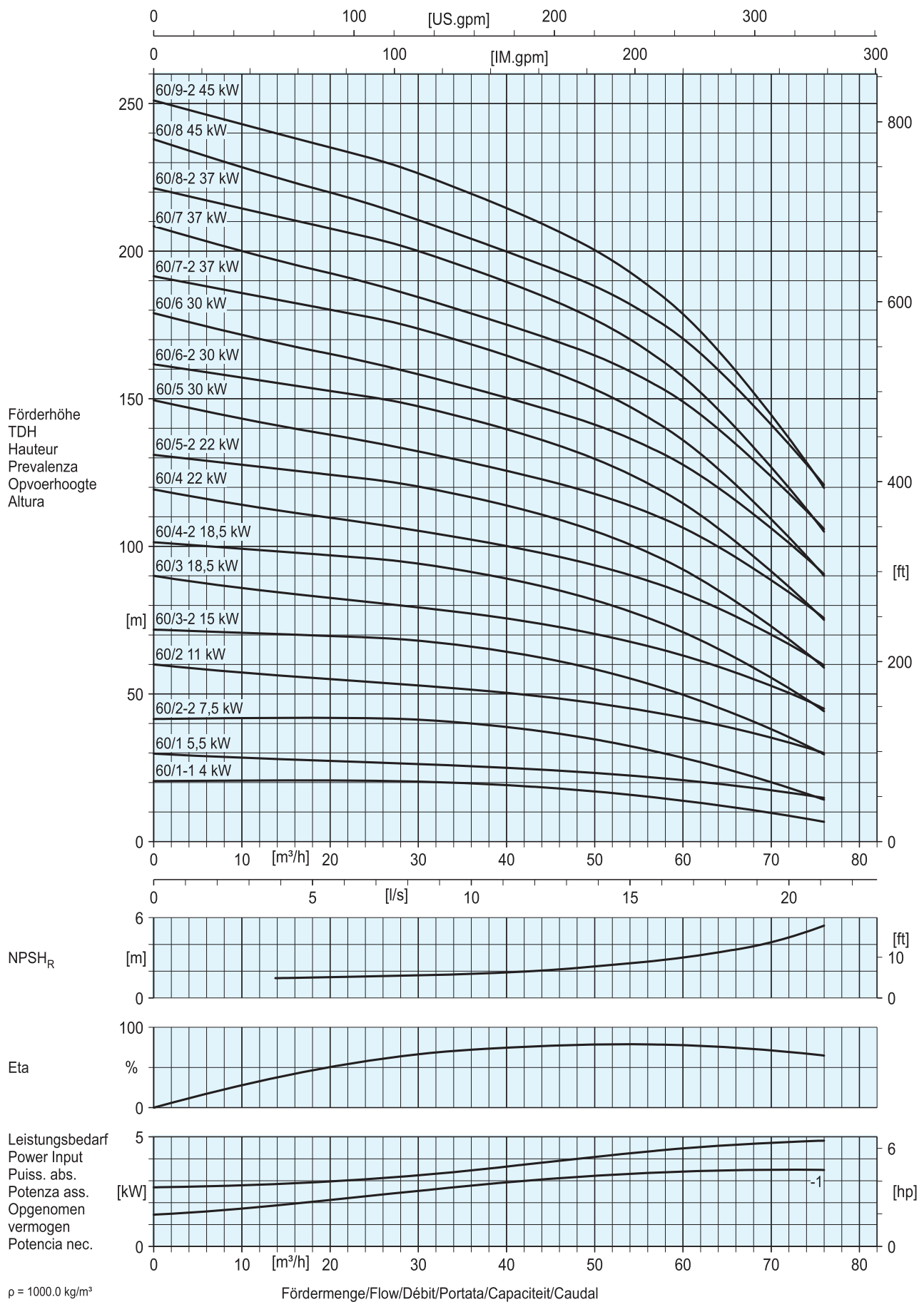
Series 60B - 2 Pole



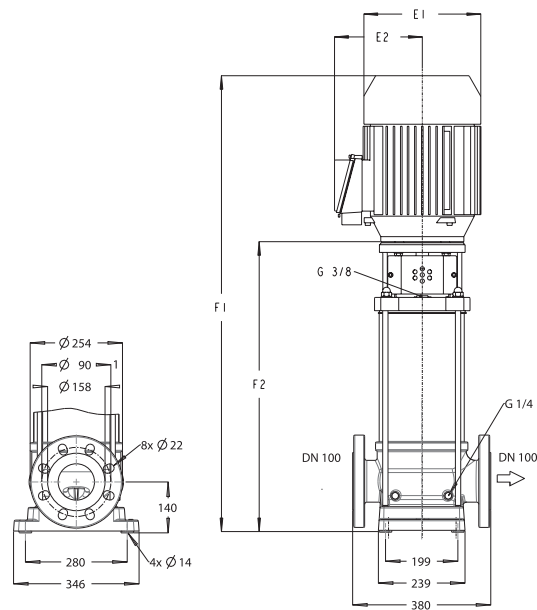
Pump Type HIL -	GENERAL		OVAL FLANGES		ROUND FLANGES		RPM*	kW	Amps - 50Hz		WT Kg.
	E1	E2	F1	F2	F1	F2			230.3.50	400.3.50	
60/1-1	223	167	-	-	827	487	2915	4	13.4	7.7	102
60/1	266	178	-	-	942	577	2930	5.5	17.5	10.1	130
60/2-2	266	178	-	-	1020	655	2920	7.5	22.9	13.2	138
60/2	315	204	-	-	1183	685	2950	11	36.5	21	215
60/3-2	315	204	-	-	1261	763	2945	15	49	28.2	228
60/3	315	204	-	-	1341	763	2950	18.5	58.5	33.6	245
60/4-2	315	204	-	-	1421	841	2950	18.5	58.5	33.6	251
60/4	350	223	-	-	1421	841	2945	22	68.7	39.5	287
60/5-2	350	223	-	-	1499	919	2945	22	68.7	39.5	300
60/5	400	290	-	-	1569	919	2955	30	89.7	51.8	362
60/6-2	400	290	-	-	1647	997	2955	30	89.7	51.8	370
60/6	400	290	-	-	1647	997	2955	30	89.7	51.8	376
60/7-2	400	290	-	-	1725	1075	2957	37	110	63.5	384
60/7	400	290	-	-	1725	1075	2957	37	110	63.5	384
60/8-2	400	290	-	-	1803	1153	2957	37	110	63.5	407
60/8	466	335	-	-	1848	1153	2969	45	131.6	76	484
60/9-2	466	335	-	-	1926	1231	2969	45	131.6	76	488

*The pump performance curves and pump data shown in this section is based on the rotational speed shown in this table.

Series 60B - 2 Pole



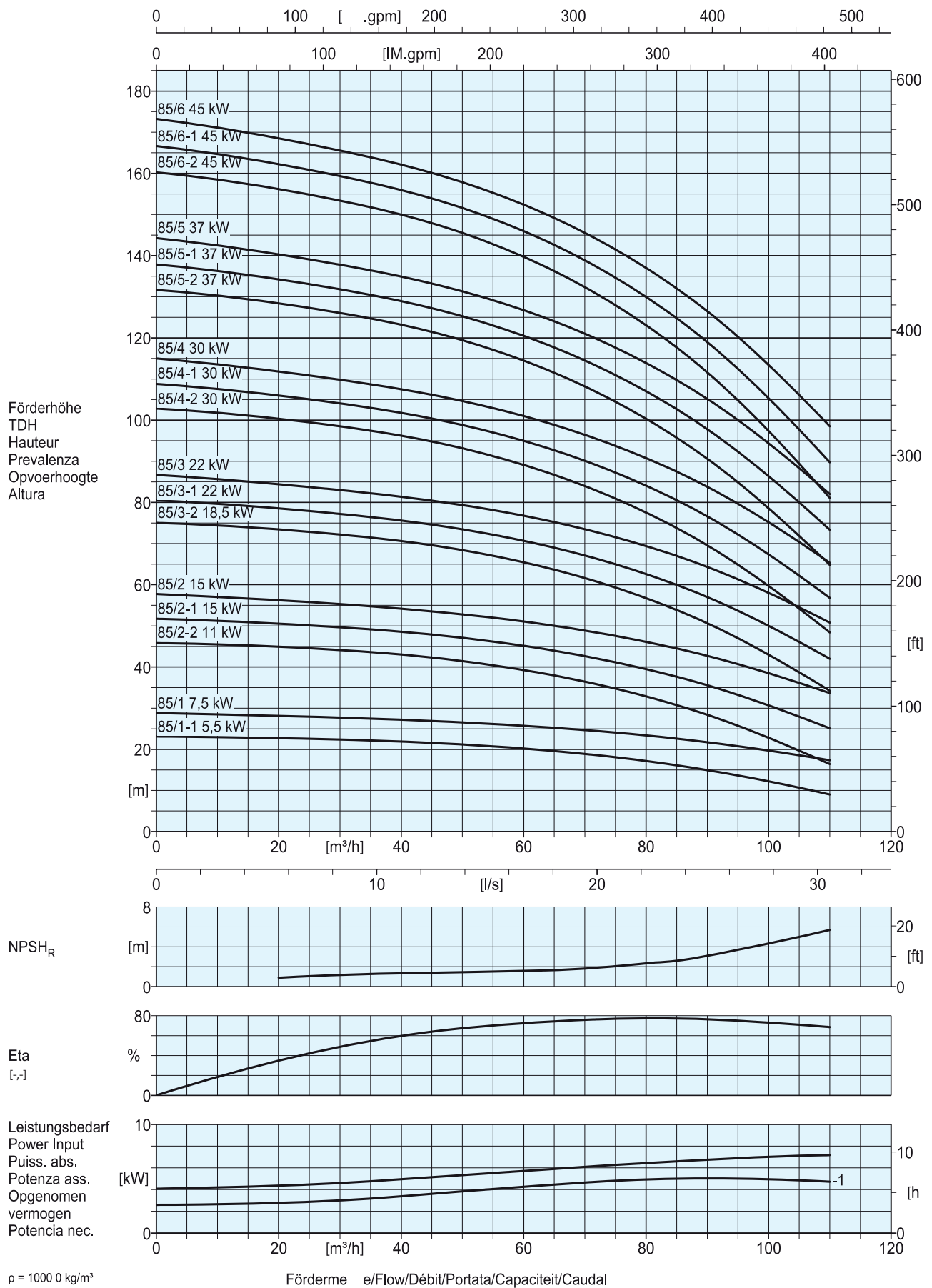
Series 85B - 2 Pole



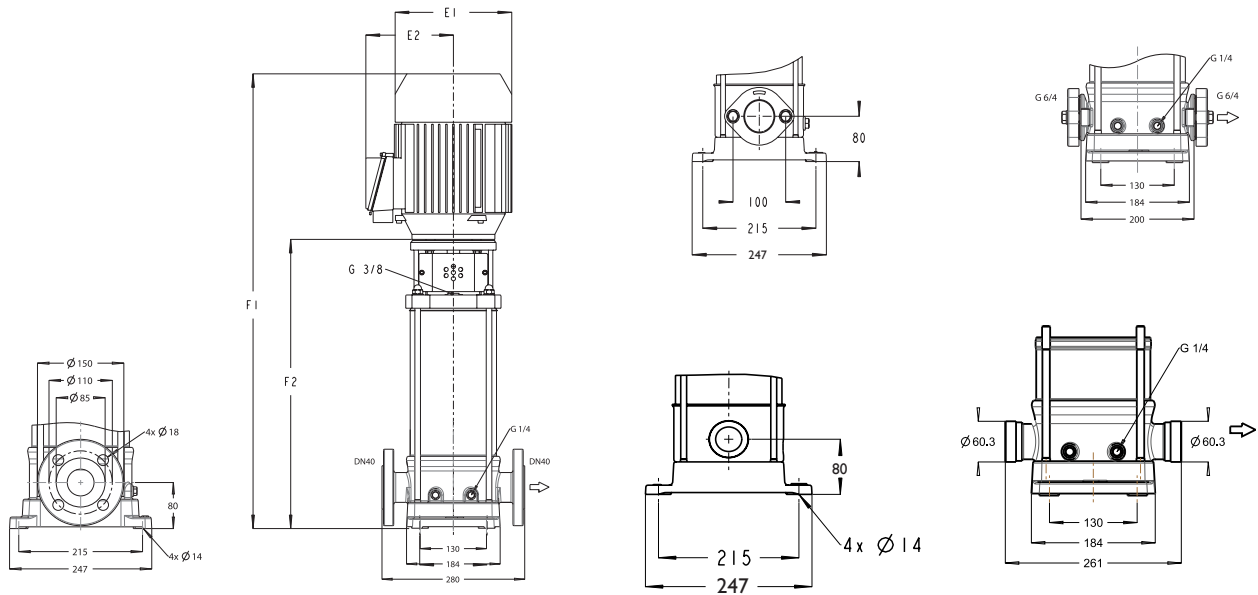
Pump Type HIL -	GENERAL		OVAL FLANGES		ROUND FLANGES		RPM*	kW	Amps - 50Hz		WT Kg.
	E1	E2	F1	F2	F1	F2			230.3.50	400.3.50	
85/1-1	266	178	-	-	970	641	2930	5.5	17.5	10.1	143
85/1	266	178	-	-	998	641	2920	7.5	22.9	13.2	147
85/2-2	315	204	-	-	1282	780	2950	11	36.5	21.0	234
85/2-1	315	204	-	-	1282	780	2945	15	49	28.2	248
85/2	315	204	-	-	1282	780	2945	15	49	28.2	248
85/3-2	315	204	-	-	1435	889	2950	18.5	58.5	33.6	276
85/3-1	350	223	-	-	1484	889	2945	22	68.7	39.5	312
85/3	350	223	-	-	1484	889	2945	22	68.7	39.5	312
85/4-2	400	290	-	-	1648	998	2955	30	89.7	51.8	406
85/4-1	400	290	-	-	1648	998	2955	30	89.7	51.8	406
85/4	400	290	-	-	1648	998	2955	30	89.7	51.8	406
85/5-2	400	290	-	-	1757	1107	2957	37	110	63.5	438
85/5-1	400	290	-	-	1757	1107	2957	37	110	63.5	438
85/5	400	290	-	-	1757	1107	2957	37	110	63.5	438
85/6-2	466	335	-	-	1923	1216	2969	45	131	76.0	574
85/6-1	466	335	-	-	1923	1216	2969	45	131	76.0	575
85/6	466	335	-	-	1923	1216	2969	45	131	76.0	575

*The pump performance curves and pump data shown in this section is based on the rotational speed shown in this table.

Series 85B - 2 Pole



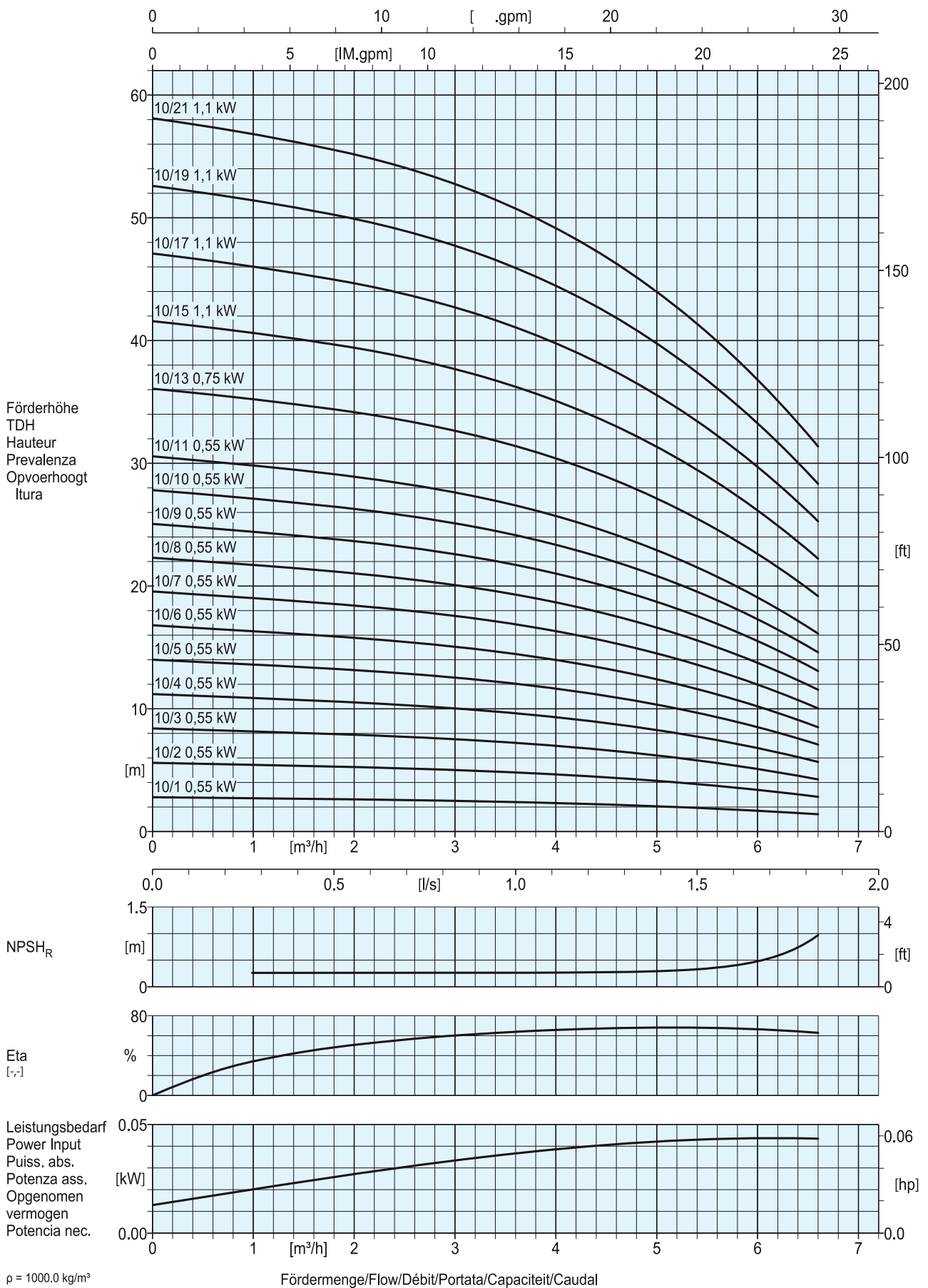
Series 10B - 4 Pole



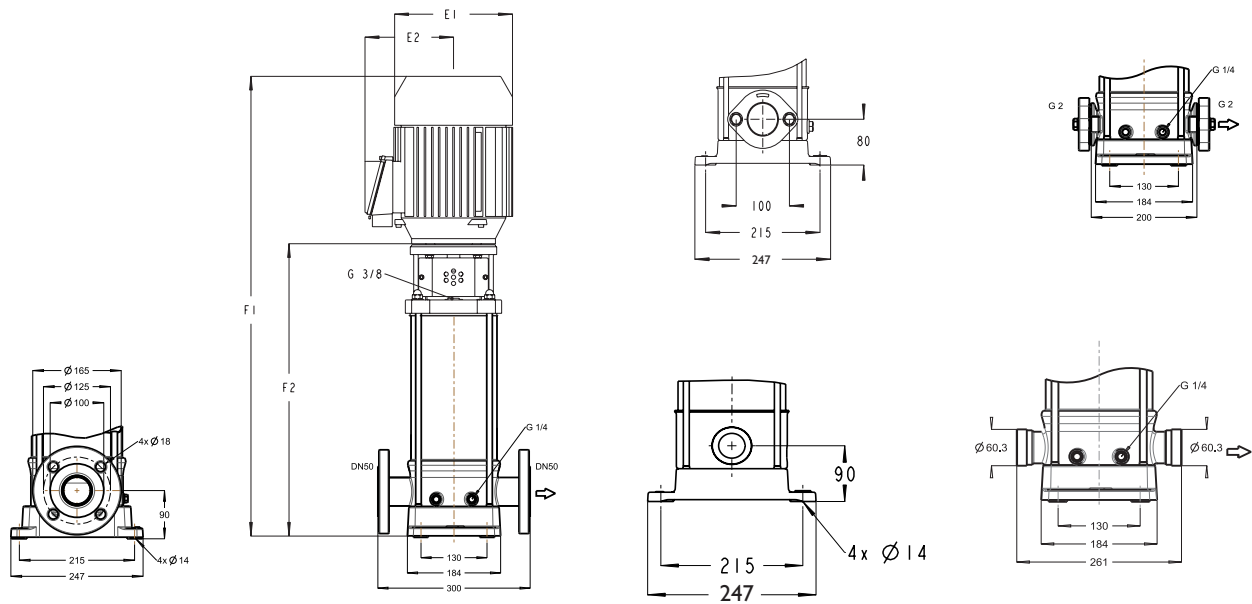
Pump Type HIL -	GENERAL		OVAL FLANGES		ROUND FLANGES		RPM*	kW	Amps - 50Hz		WT Kg.
	E1	E2	F1	F2	F1	F2			230.3.50	400.3.50	
10/1 - 0.55	150	115	592	346	592	346	1450	0.55	2.34	1.34	38
10/2 - 0.55	150	115	592	346	592	346	1450	0.55	2.34	1.34	38
10/3 - 0.55	150	115	618	372	618	372	1450	0.55	2.34	1.34	39
10/4 - 0.55	150	115	645	399	645	399	1450	0.55	2.34	1.34	41
10/5 - 0.55	150	115	671	425	671	425	1450	0.55	2.34	1.34	42
10/6 - 0.55	150	115	698	452	698	452	1450	0.55	2.34	1.34	43
10/7 - 0.55	150	115	724	478	724	478	1450	0.55	2.34	1.34	44
10/8 - 0.55	150	115	750	505	750	505	1450	0.55	2.34	1.34	45
10/9 - 0.55	150	115	777	531	777	531	1450	0.55	2.34	1.34	46
10/10 - 0.55	150	115	804	558	804	558	1450	0.55	2.34	1.34	47
10/11 - 0.55	150	115	830	584	830	584	1450	0.55	2.34	1.34	48
10/13 - 0.75	150	115	912	672	912	672	1440	0.75	3.09	1.78	65
10/15 - 1.1	176	141	970	700	970	700	1425	1.1	4.17	2.4	71
10/17 - 1.1	176	141	1023	753	1023	753	1425	1.1	4.17	2.4	73
10/19 - 1.1	176	141	1076	806	1076	806	1425	1.1	4.17	2.4	75
10/21 - 1.1	176	141	1129	859	1129	859	1425	1.1	4.17	2.4	77

*The pump performance curves and pump data shown in this section is based on the rotational speed shown in this table.

Series 10B - 4 Pole



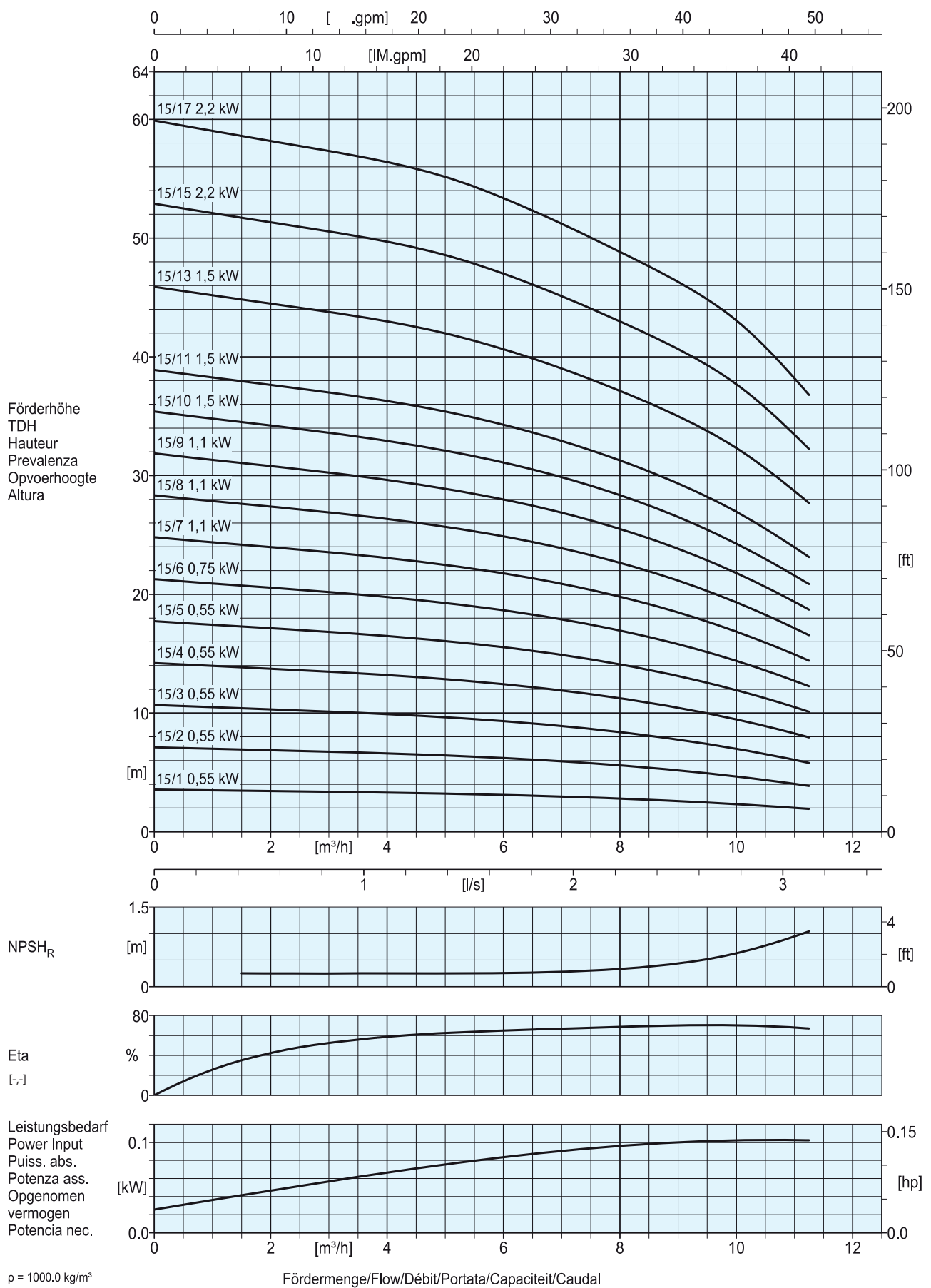
Series 15B - 4 Pole



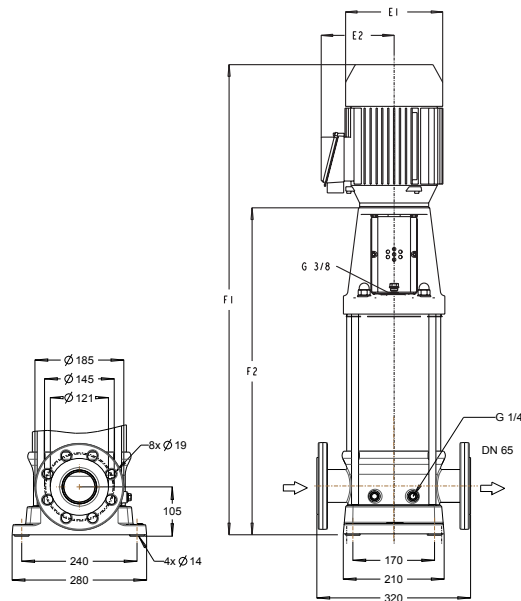
Pump Type HIL -	GENERAL		OVAL FLANGES		ROUND FLANGES		RPM*	kW	Amps - 50Hz		WT Kg.
	E1	E2	F1	F2	F1	F2			230.3.50	400.3.50	
15/1 - 0.55	150	115	592	346	602	356	1450	0.55	2.34	1.34	38
15/2 - 0.55	150	115	592	346	602	356	1450	0.55	2.34	1.34	38
15/3 - 0.55	150	115	618	372	628	382	1450	0.55	2.34	1.34	39
15/4 - 0.55	150	115	645	399	655	409	1450	0.55	2.34	1.34	40
15/5 - 0.55	150	115	671	425	681	435	1450	0.55	2.34	1.34	42
15/6 - 0.75	150	115	727	452	737	462	1440	0.75	3.09	1.78	43
15/7 - 1.1	176	141	758	488	768	498	1425	1.1	4.17	2.4	46
15/8 - 1.1	176	141	785	515	795	525	1425	1.1	4.17	2.4	47
15/9 - 1.1	176	141	811	541	821	551	1425	1.1	4.17	2.4	49
15/10 - 1.5	195	145	853	568	863	578	1425	1.5	6	3.4	53
15/11 - 1.5	195	145	879	594	889	604	1425	1.5	6	3.4	53
15/13 - 1.5	195	145	932	647	942	657	1425	1.5	6	3.4	55
15/15 - 2.2	195	145	1040	710	1050	720	1440	2.2	7.9	4.5	65
15/17 - 2.2	195	145	1093	763	1103	773	1440	2.2	7.9	4.5	67

*The pump performance curves and pump data shown in this section is based on the rotational speed shown in this table.

Series 15B - 4 Pole



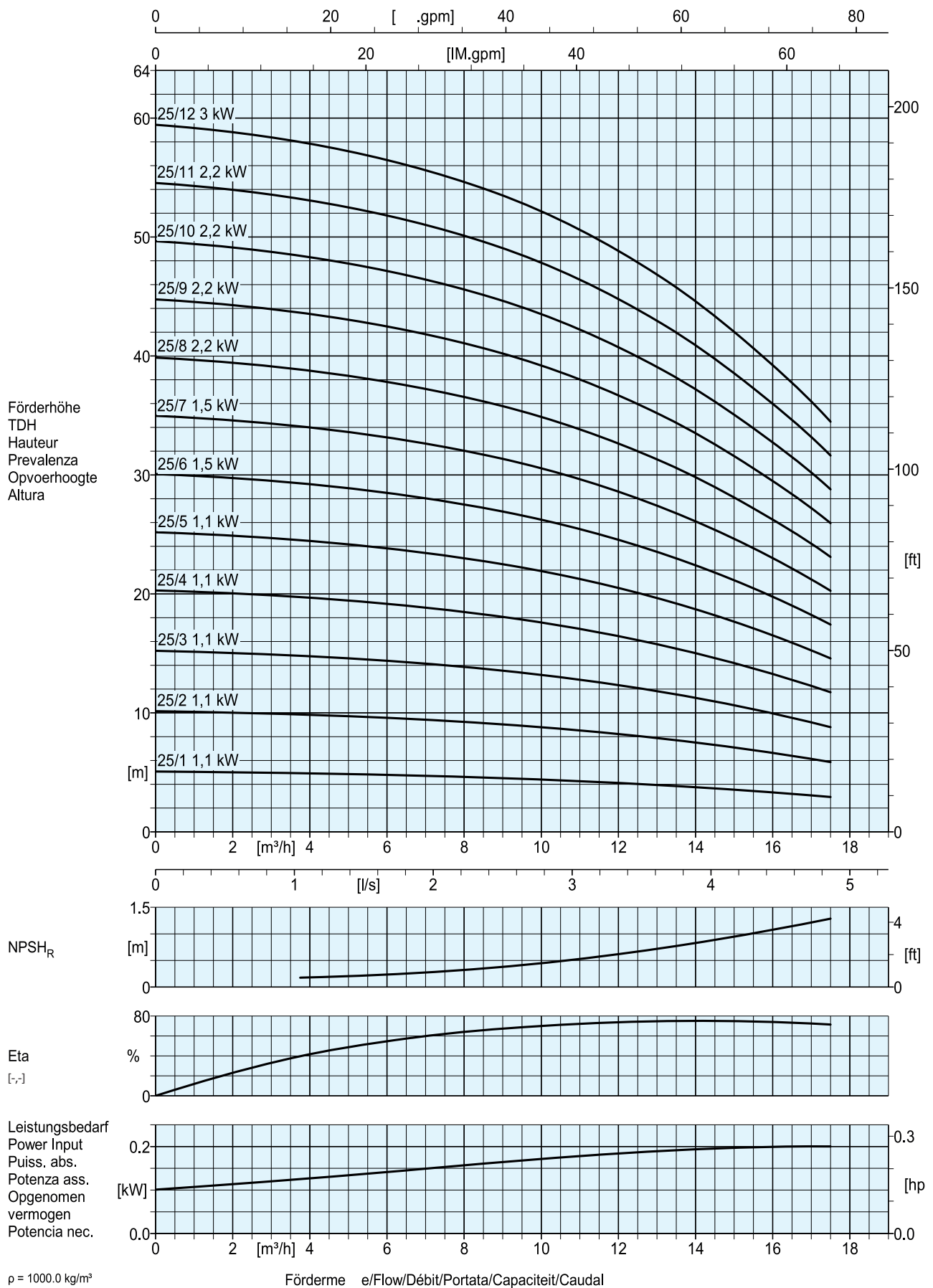
Series 25B - 4 Pole



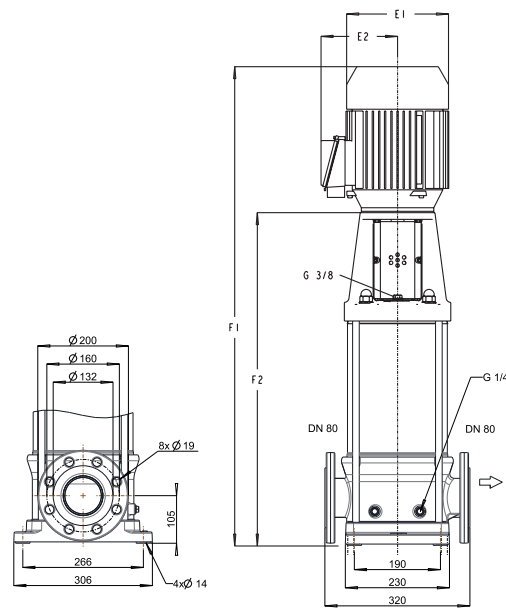
Pump Type HIL -	GENERAL		OVAL FLANGES		ROUND FLANGES		RPM*	kW	Amps - 50Hz		WT Kg.
	E1	E2	F1	F2	F1	F2			230.3.50	400.3.50	
25/1	176	141	-	-	678	408	1425	1.1	4.17	2.4	66
25/2	176	141	-	-	743	473	1425	1.1	4.17	2.4	69
25/3	176	141	-	-	808	538	1425	1.1	4.17	2.4	71
25/4	176	141	-	-	873	603	1425	1.1	4.17	2.4	74
25/5	176	141	-	-	938	668	1425	1.1	4.17	2.4	78
25/6	195	145	-	-	1018	733	1425	1.5	6	3.4	83
25/7	195	145	-	-	1083	798	1425	1.5	6	3.4	85
25/8	195	145	-	-	1198	868	1440	2.2	7.9	4.5	98
25/9	195	145	-	-	1263	933	1440	2.2	7.9	4.5	101
25/10	195	145	-	-	1328	998	1440	2.2	7.9	4.5	103
25/11	195	145	-	-	1393	1063	1440	2.2	7.9	4.5	107
25/12	195	145	-	-	1458	1128	1445	3	6.8	3.9	109

*The pump performance curves and pump data shown in this section is based on the rotational speed shown in this table.

Series 25B - 4 Pole



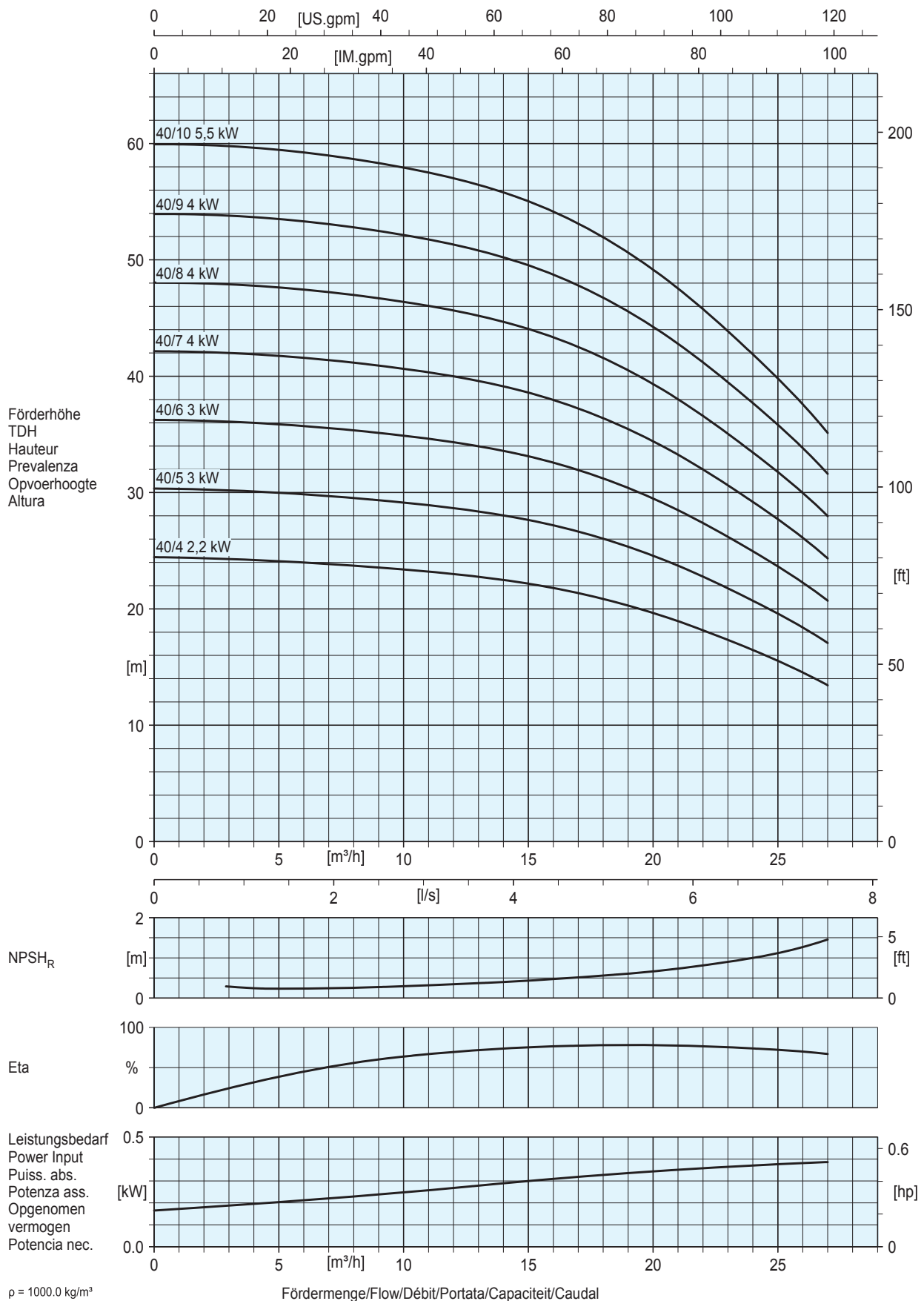
Series 40B - 4 Pole



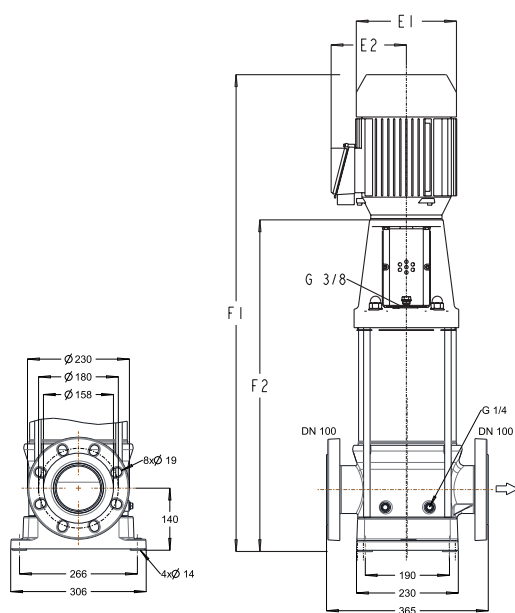
Pump Type HIL -	GENERAL		OVAL FLANGES		ROUND FLANGES		RPM*	kW	Amps - 50Hz		WT Kg.
	E1	E2	F1	F2	F1	F2			230.3.50	400.3.50	
40/4	195	145	-	-	1051	721	1440	2.2	7.9	4.5	103
40/5	195	145	-	-	1129	799	1445	3	6.8	3.9	110
40/6	195	145	-	-	1207	877	1445	3	6.8	3.9	113
40/7	220	167	-	-	1306	955	1450	4	8.4	4.9	131
40/8	220	167	-	-	1384	1033	1450	4	8.4	4.9	144
40/9	220	167	-	-	1462	1111	1450	4	8.4	4.9	158
40/10	260	192	-	-	1664	1279	1460	5.5	11.3	6.5	197

*The pump performance curves and pump data shown in this section is based on the rotational speed shown in this table.

Series 40B - 4 Pole



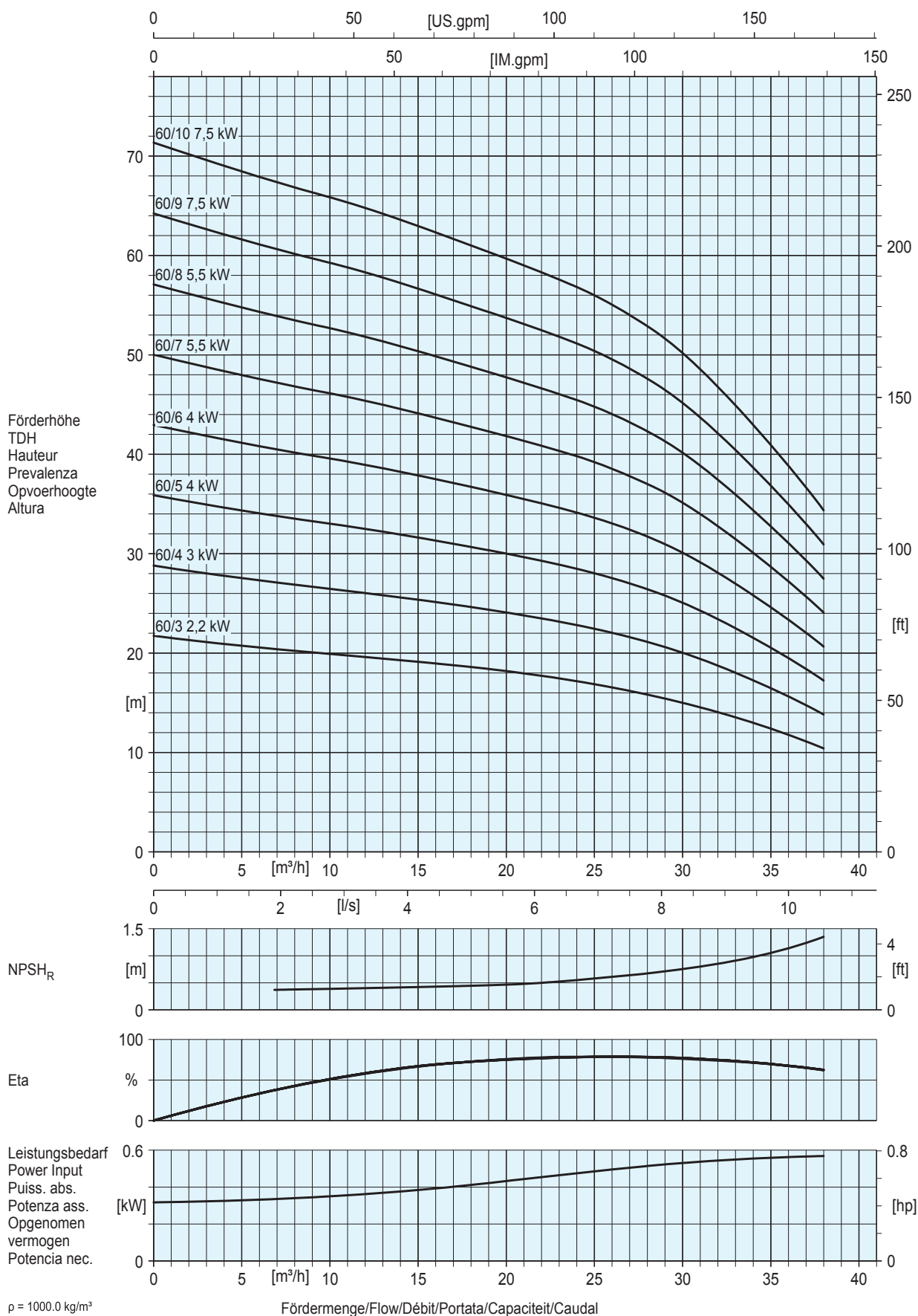
Series 60B - 4 Pole



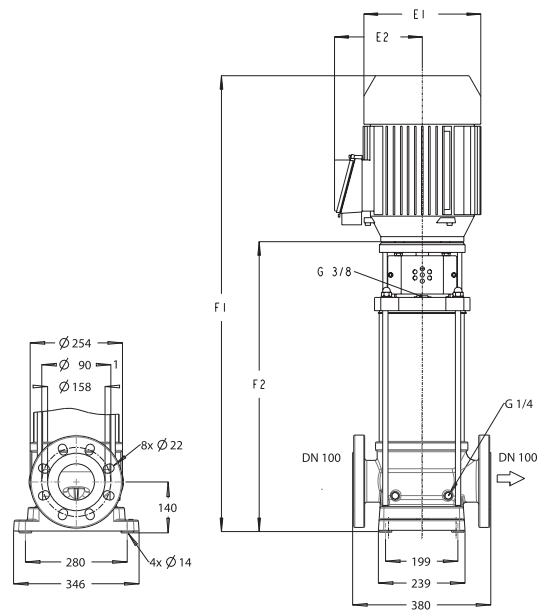
Pump Type HIL -	GENERAL		OVAL FLANGES		ROUND FLANGES		RPM*	kW	Amps - 50Hz		WT Kg.
	E1	E2	F1	F2	F1	F2			230.3.50	400.3.50	
60/3	195	145	-	-	973	643	1440	2.2	7.9	4.5	103
60/4	195	145	-	-	1051	721	1445	3	-	6.8	108
60/5	220	167	-	-	1150	799	1450	4	-	8.4	123
60/6	220	167	-	-	1228	877	1450	4	-	8.4	127
60/7	260	192	-	-	1430	1045	1460	5.5	-	11.3	179
60/8	260	192	-	-	1508	1123	1460	5.5	-	11.3	193
60/9	260	192	-	-	1586	1201	1460	7.5	-	15.3	209
60/10	260	192	-	-	1664	1279	1460	7.5	-	15.3	213

*The pump performance curves and pump data shown in this section is based on the rotational speed shown in this table.

Series 60B - 4 Pole



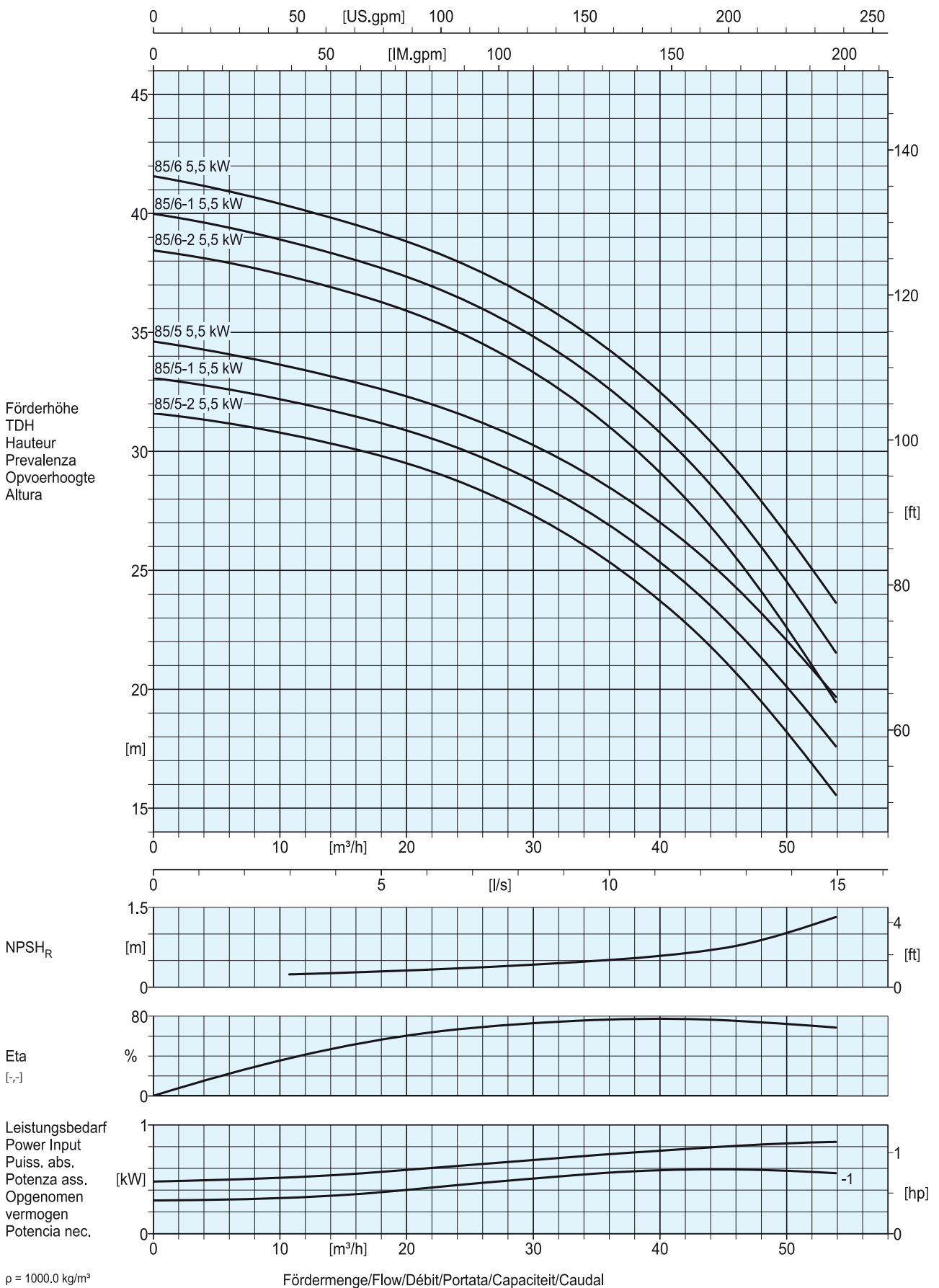
Series 85B - 4 Pole



Pump Type HIL -	GENERAL		OVAL FLANGES		ROUND FLANGES		RPM*	kW	Amps - 50Hz		WT Kg.
	E1	E2	F1	F2	F1	F2			230.3.50	400.3.50	
85/5-2	260	192	-	-	1460	1077	1460	5.5	-	11.3	217
85/5-1	260	192	-	-	1460	1077	1460	5.5	-	11.3	217
85/5	260	192	-	-	1460	1077	1460	5.5	-	11.3	217
85/6-2	260	192	-	-	1569	1186	1460	5.5	-	11.3	227
85/6-1	260	192	-	-	1569	1186	1460	5.5	-	11.3	227
85/6	260	192	-	-	1569	1186	1460	5.5	-	11.3	227

*The pump performance curves and pump data shown in this section is based on the rotational speed shown in this table.

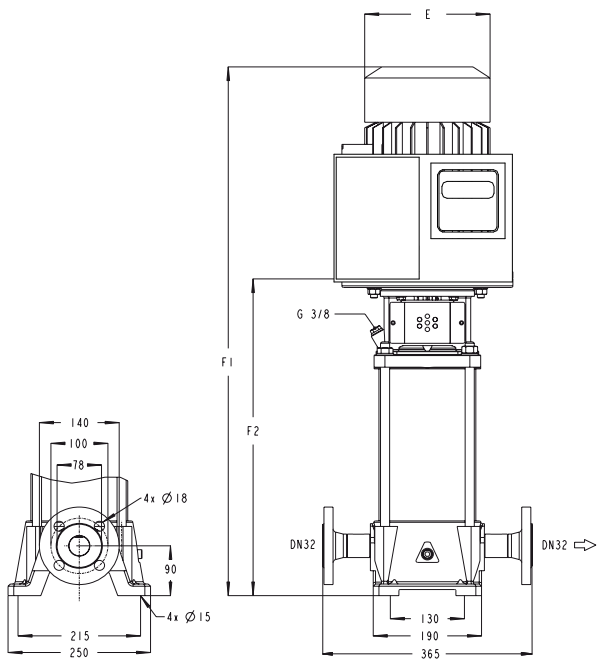
Series 85B - 4 Pole



Additional Pump Information

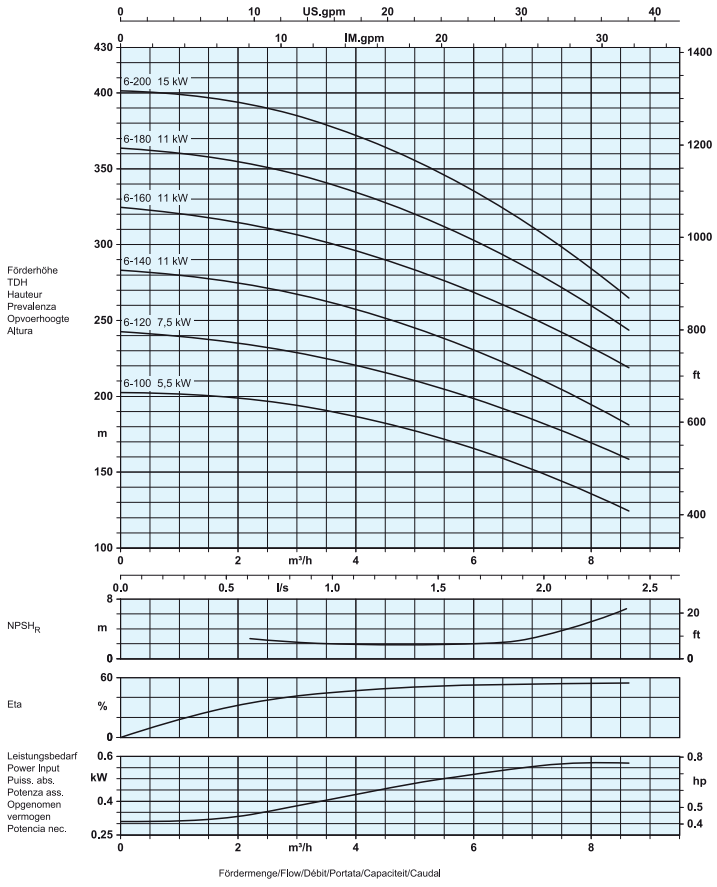
HIL HS 6 Series

Smedegaard also provide a specific solution for high pressure applications. The details of each pump in the HS 6 series are listed on this page. Booster sets from 1-6 pump packages can be provided. For full booster set details incorporating this range please call Smedegaards technical team for assistance.



Series	Pump Type	E	F1	F2	Connections	Max Dry Wt. Kg. (Approx.)
6	6-100	233	928	599	DN 32	92
	6-120	233	1015	658	DN 32	99
	6-140	315	1250	748	DN 32	166
	6-160	315	1310	808	DN 32	171
	6-180	315	1369	867	DN 32	174
	6-120	315	1429	927	DN 32	191

Series 6



HIL Vertical Multistage Pumps

Technical Features

Maintenance-free electric motor

- Extensive choice of voltages and Hz frequencies
- IP55
- Insulation class F
- Meets IE2/IE3 standard
- Temperature protection for 3kW motors and over: PTC

Shaft seal

- Extensive choice of elastomers and shaft seals
- Exchangeable without disassembling the pump
- Fixed, easy access, cartridge

Versatile pump casing

- Cast
- Easy to connect
- Oval flanges available up to 50mm
- Round flange code F
- Connection (Code V) clamp (see page 3)
- E-model with built-in non return valve
- Fully draining



Casing plugs

- For filling, draining, de-aerating and monitoring
- Separate measuring of suction and discharge pressure (Δp)
- Stainless steel AISI 304 or 316
- By-pass possible
- Durable sealing

Hydraulic assembly

- Highest efficiency in the market
- High quality stainless steel AISI 304 or 316

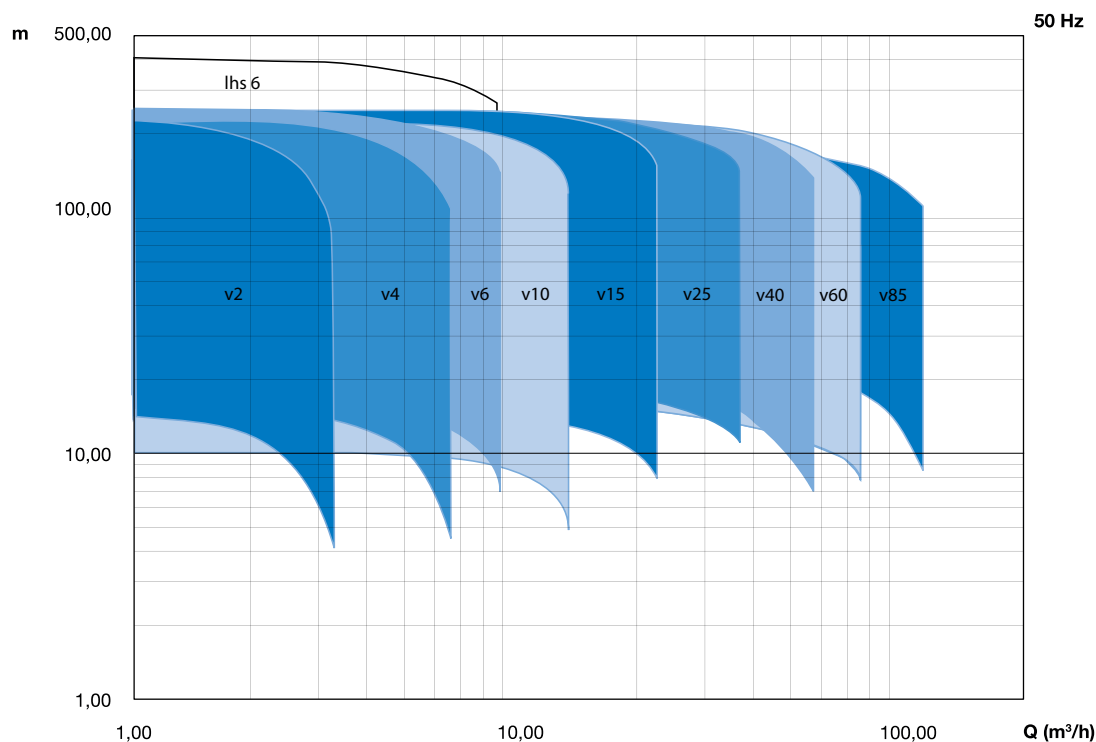
Sturdy Impeller shroud

- Stainless steel, robust housing
- Standard pressure PN 40
- Low vibration and noise

Solid base plate

- Powder coated 100 μm
- Stainless steel optional

Performance Curves



Product Information

Product Information as per Regulation No. 547/2012 Implementing "Ecodesign" Directive 2009/125/EC

- Minimum efficiency index: see data sheet.
- The benchmark for most efficient water pumps is $MEI \geq 0.70$.
- Year of production: see pump name plate.
- Manufacturer's name or trade mark, commercial registration number and place of manufacture: see data sheet or order documentation.
- Product's type and size identification: see data sheet and brochure.
- Pump performance curves, including efficiency characteristics: see documented characteristic curve.
- The minimum efficiency index (MEI) is based on the full impeller diameter.
- The operation of this water pump with variable duty points may be more efficient and economic when controlled, for example, by the use of a variable speed drive that matches the pump duty to the system.
- Information relevant for disassembly, recycling or disposal at end of life: See document "HIL general recycle and disposal".
- Information on benchmark efficiency or benchmark efficiency graph for $MEI \geq 0.70$ (0.4) for the pump based on the model shown in the Figure are available at: <http://www.europump.org/efficiencycharts>

It is Smedegaard's policy to continually improve and develop its product range. We reserve the right to change specifications without prior notice. Whilst every care has been taken to ensure the data is correct, no responsibility can be taken for inaccuracies or misprints.