

Submersible

Pumps • Motors

50Hz **8"**
Submersible Pump

Pumping Solution

Stainless steel submersible bore well pumps

Construction

- Submersible motor & pumps for deep wells of 8" (DN 200 mm).
- Sized for connection to the motor according to NEMA standards.
- Delivery casing with built-in non-return valve.
- All standard pumps are completely manufactured out of stainless steel AISI 304 sheet metal.
- Impellers:*
 - Mixed flow impellers**
 - W77, W95
- Connection: Screwed pipe connection with BSP thread as standard.

Applications

- Water supply
- Irrigation
- Civil
- Industrial
- Fire fighting

Performance range

- Flow range: Max. 123.8 m³/h
- Head range: Max. 423 metres

Operating conditions

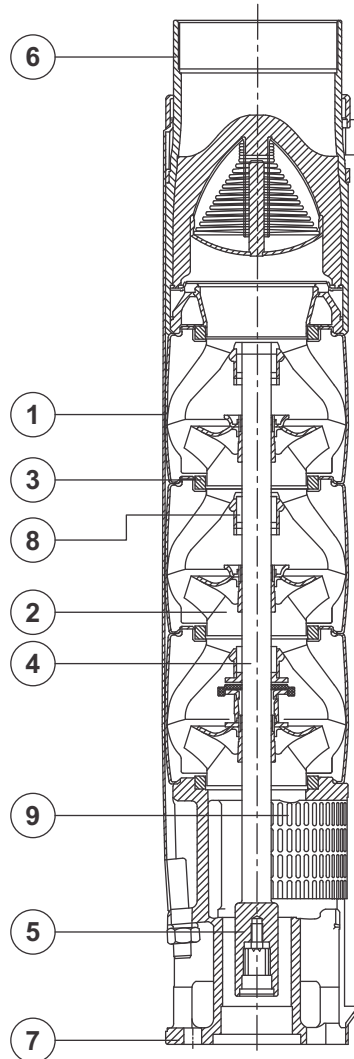
- Liquid temperature: 0°C to +45°C
- Max. sand content into the water: 50 g/m³
- Max. starts per hour: 20 at regular intervals
- Direction of rotation: Clockwise as seen from the pump coupling side

Special construction on request

- Also available in stainless steel AISI 316 material.
- Also available with NPT thread pipe connection.



Sectional drawing



"W" type pump
W77, W95

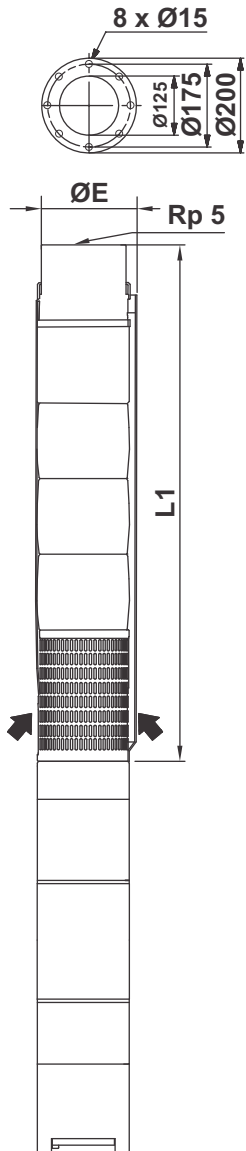
Materials

Pos.	Component	Material
1	Bowl / Diffuser	Stainless steel AISI 304
2	Impeller	Stainless steel AISI 304
3	Neck ring	NBR
4	Shaft	Stainless steel AISI 431
5	Couple	Stainless steel AISI 304
6	Delivery casing	Stainless steel AISI 304
7	Suction case	Stainless steel AISI 304
8	Bearing bush	NBR
9	Strainer	Stainless steel AISI 304

Technical data

Mixed flow 8" stainless steel submersible bore well pumps

W77



Performance chart

Pump type	Motor type	kW	HP	Q m ³ /h l/min	n = 2900 rpm					
					0	20	40	60	80	100
	Water filled	0	333	667	1000	1334	1667			
W77/1	L6507	5.50	7.50	H mts.	22	20	17	14	12	7
W77/2-B	L6507	5.50	7.50		33	31	27	22	17	7
W77/2	L6510-KP	7.50	10.0		41	39	33	28	23	14
W77/3-B	L6512-KP	9.30	12.5		53	51	44	37	28	15
W77/3	L6515-KP	11.0	15.0		61	58	50	42	34	20
W77/4-B	L6517-KP	13.0	17.5		73	70	61	52	40	21
W77/4	L6520-KP	15.0	20.0		81	78	68	57	46	27
W77/5	L6525-KP	18.5	25.0		101	97	85	72	58	34
W77/6	L6530-KP	22.0	30.0		120	116	102	86	69	41
W77/7	L6535-KP	26.0	35.0		140	136	119	101	81	48
W77/8-B	L6535-KP	26.0	35.0		152	147	129	108	84	48
W77/8	L6540-KP	30.0	40.0		160	156	137	116	93	55

Dimensions & weights of only Pump

Pump Type	Motor Joining Size	ØE [mm]	L1 [mm]	Pump Gross weight [kg]	Pump Gross volume [m ³]
W77/1	6"	178	618	23.8	0.0302
W77/2-B	6"	178	746	27.7	0.0354
W77/2	6"	178	746	27.7	0.0354
W77/3-B	6"	178	874	31.7	0.0407
W77/3	6"	178	874	31.7	0.0407
W77/4-B	6"	178	1003	35.6	0.0460
W77/4	6"	178	1003	35.6	0.0460
W77/5	6"	178	1131	39.6	0.0513
W77/6	6"	178	1259	43.5	0.0565
W77/7	6"	178	1387	47.5	0.0618
W77/8-B	6"	178	1515	51.4	0.0671
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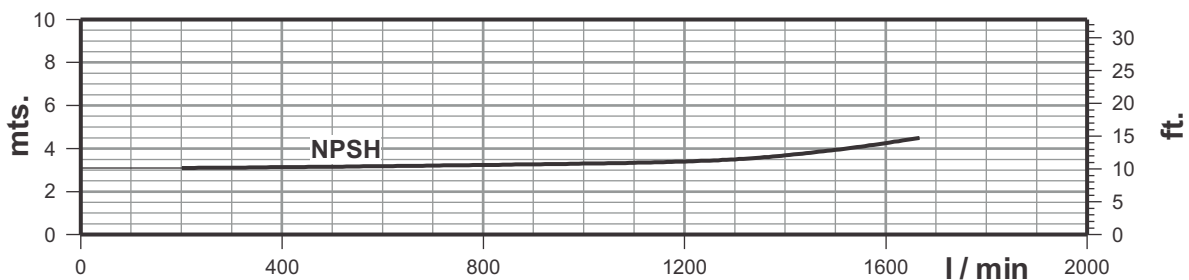
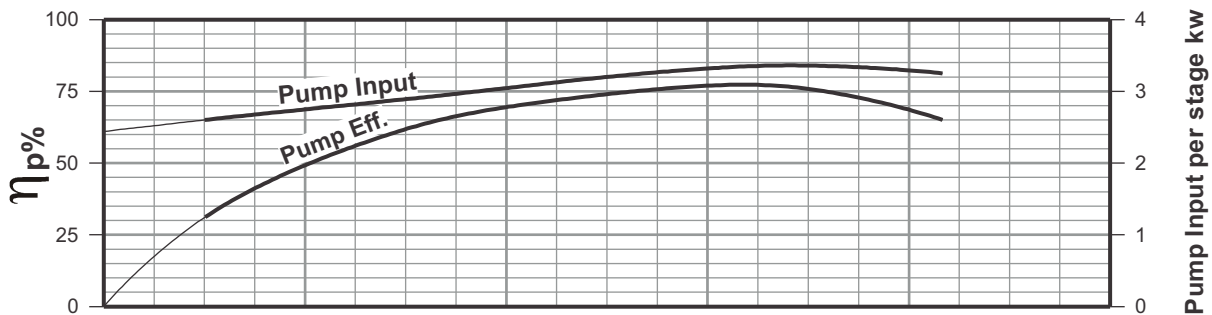
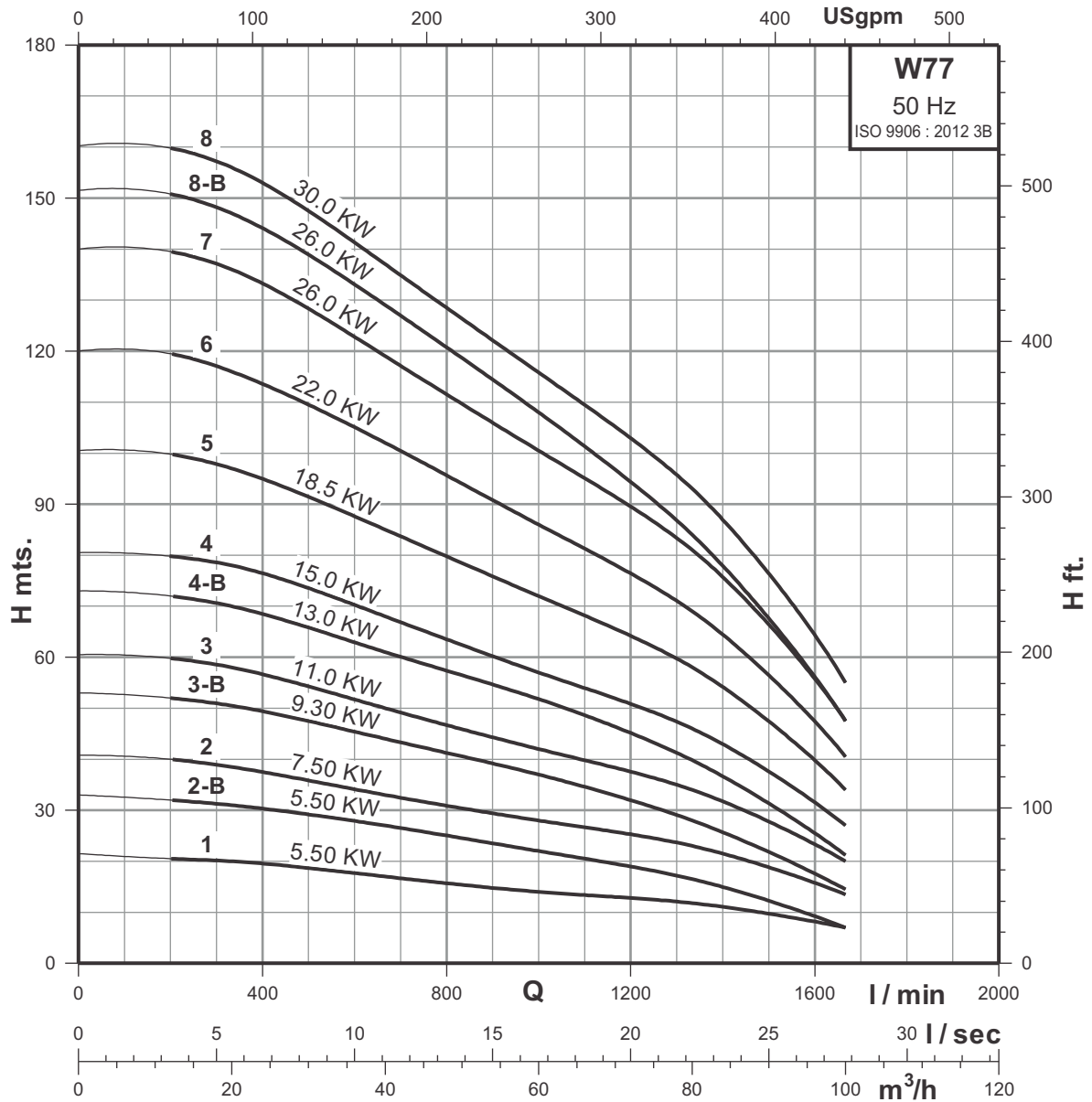
Note: ØE = For single cable motor maximum diameter of pump inclusive of cable guard.
For two cable motor maximum diameter of pump inclusive of cable guard will increase by 4 mm.

Flange connection is available on request.
All dimensions in mm unless otherwise noted.

Performance curves

Mixed flow 8" stainless steel submersible bore well pumps

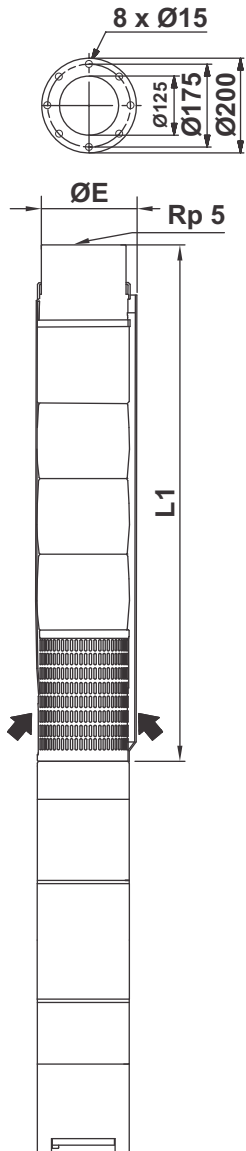
W77



Technical data

Mixed flow 8" stainless steel submersible bore well pumps

W77



Performance chart

Pump type	Motor type	kW	HP	Q m ³ /h l/min	n = 2900 rpm						
					Water filled						
	H mts.						0	20	40	60	80
W77/9	L6540-KP	30.0	40.0	179	174	152	128	103	62		
W77/10	L6550-KP	37.0	50.0	200	194	171	145	117	68		
W77/11	L6550-KP	37.0	50.0	218	213	186	158	127	75		
W77/12	L8560-KH	45.0	60.0	242	237	209	178	145	88		
W77/13	L8575-KH	55.0	75.0	264	259	228	195	158	98		
W77/14	L8575-KH	55.0	75.0	283	278	245	209	170	104		
W77/15	L8575-KH	55.0	75.0	302	297	261	222	181	110		
W77/16	L8590-H	66.0	90.0	324	318	280	239	194	120		
W77/17	L8590-H	66.0	90.0	343	337	298	253	207	125		
W77/18	L8590-H	66.0	90.0	363	355	313	267	217	132		
W77/19	L85100-H	75.0	100.0	383	375	332	282	230	140		
W77/20	L85100-H	75.0	100.0	403	395	349	297	240	146		

Dimensions & weights of only Pump

Pump Type	Motor Joining Size	ØE [mm]	L1 [mm]	Pump Gross weight [kg]	Pump Gross volume [m ³]
W77/9	6"	178	1643	55.4	0.0724
W77/10	6"	178	1771	59.3	0.0776
W77/11	6"	178	1898	99.3	0.2279
W77/12	8"	200	2043	104.9	0.2417
W77/13	8"	200	2172	110.6	0.2556
W77/14	8"	200	2300	116.2	0.2694
W77/15	8"	200	2429	121.9	0.2832
W77/16	8"	200	2557	127.5	0.2970
W77/17	8"	200	2685	133.2	0.3108
W77/18	8"	200	2814	138.8	0.3246
W77/19	8"	200	2942	144.5	0.3384
W77/20	8"	200	3070	150.1	0.3523

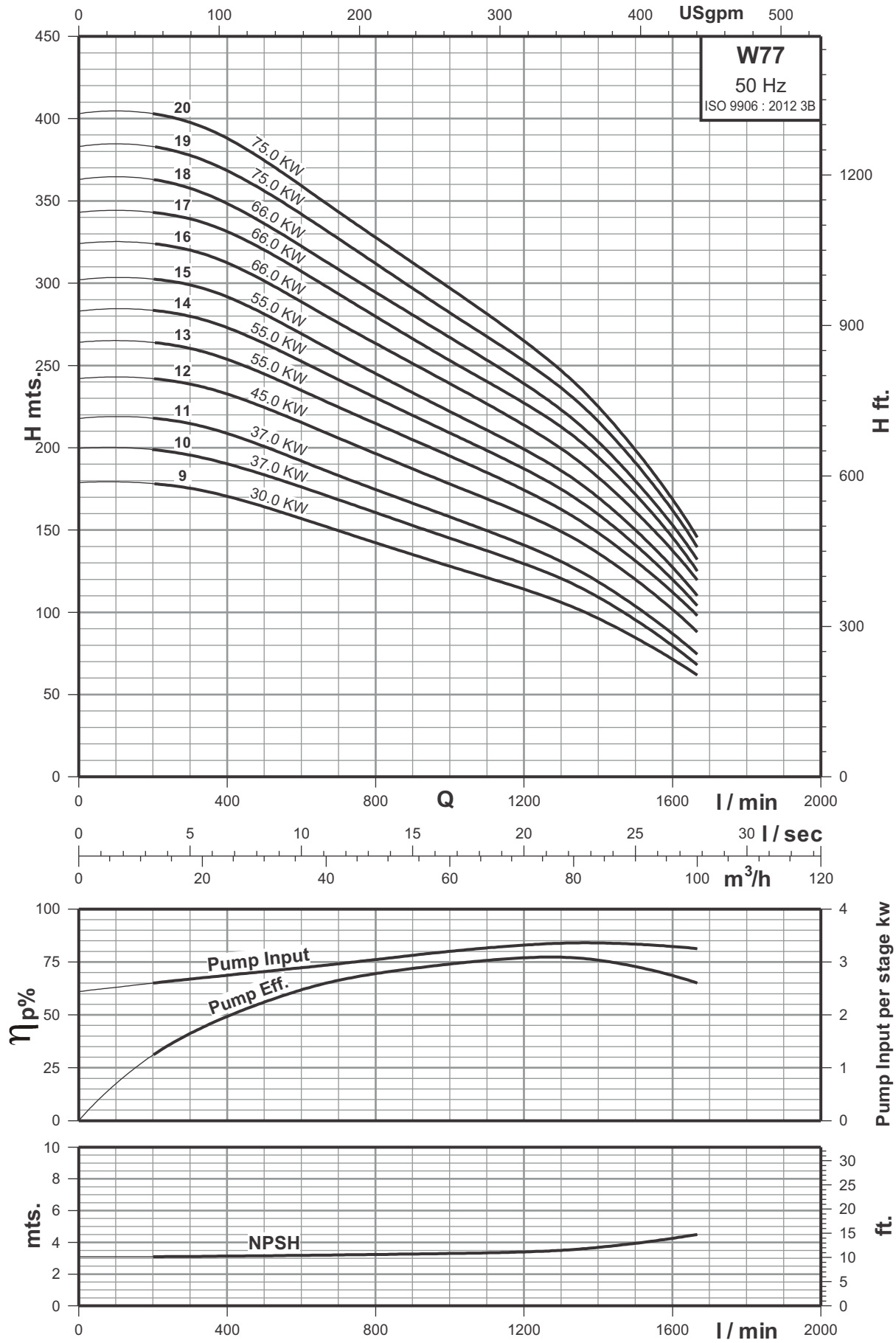
Note: ØE = For single cable motor maximum diameter of pump inclusive of cable guard.
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Performance curves

Mixed flow 8" stainless steel submersible bore well pumps

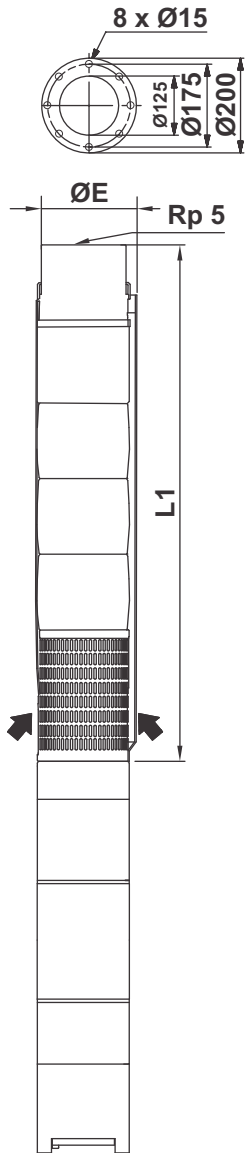
W77



Technical data

Mixed flow 8" stainless steel submersible bore well pumps

W95



Performance chart

Pump type	Motor type	kW	HP	Q m ³ /h l/min	n = 2900 rpm					
					0	20	40	70	90	123.8
	Water filled	0	333	667	1167	1500	2063			
W95/1	L6507	5.50	7.50	H mts.	23	21	18	14	13	6
W95/2-BB	L6507	5.50	7.50		27	26	23	19	14	-
W95/2-A	L6510-KP	7.50	10.0		39	36	32	26	22	8
W95/2	L6512-KP	9.30	12.5		44	41	36	29	25	11
W95/3-BB	L6512-KP	9.30	12.5		49	46	40	32	25	7
W95/3-B	L6515-KP	11.0	15.0		56	53	47	38	31	11
W95/3	L6517-KP	13.0	17.5		65	62	55	44	38	18
W95/4-B	L6520-KP	15.0	20.0		77	74	65	53	44	18
W95/4	L6525-KP	18.5	25.0		86	82	72	59	51	24
W95/5-AB	L6525-KP	18.5	25.0		94	89	80	65	54	21
W95/5	L6530-KP	22.0	30.0		106	102	90	74	63	31
W95/6	L6535-KP	26.0	35.0		129	123	110	90	77	36
W95/7	L6540-KP	30.0	40.0		148	142	128	103	87	40

Dimensions & weights of only Pump

Pump Type	Motor Joining Size	ØE [mm]	L1 [mm]	Pump Gross weight [kg]	Pump Gross volume [m ³]
W95/1	6"	178	618	23.8	0.0302
W95/2-BB	6"	178	746	27.7	0.0354
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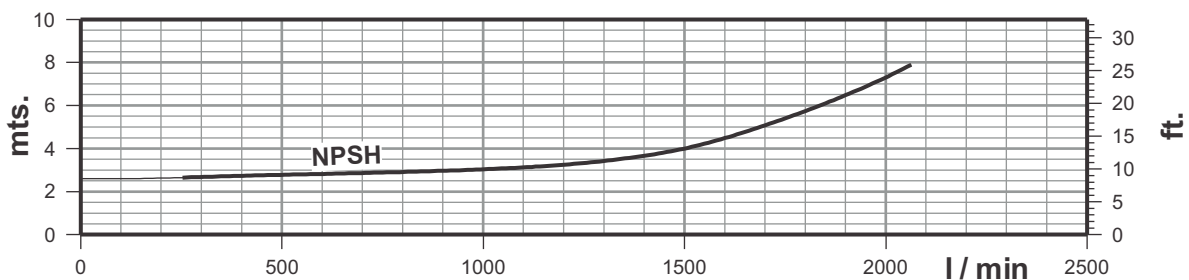
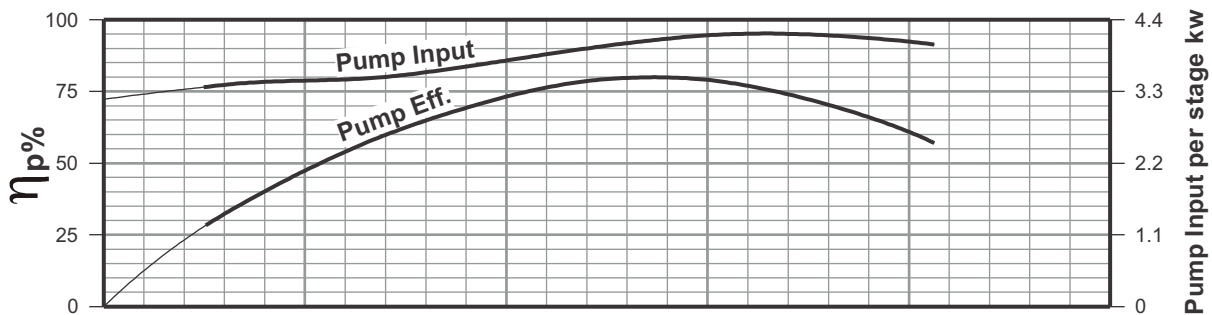
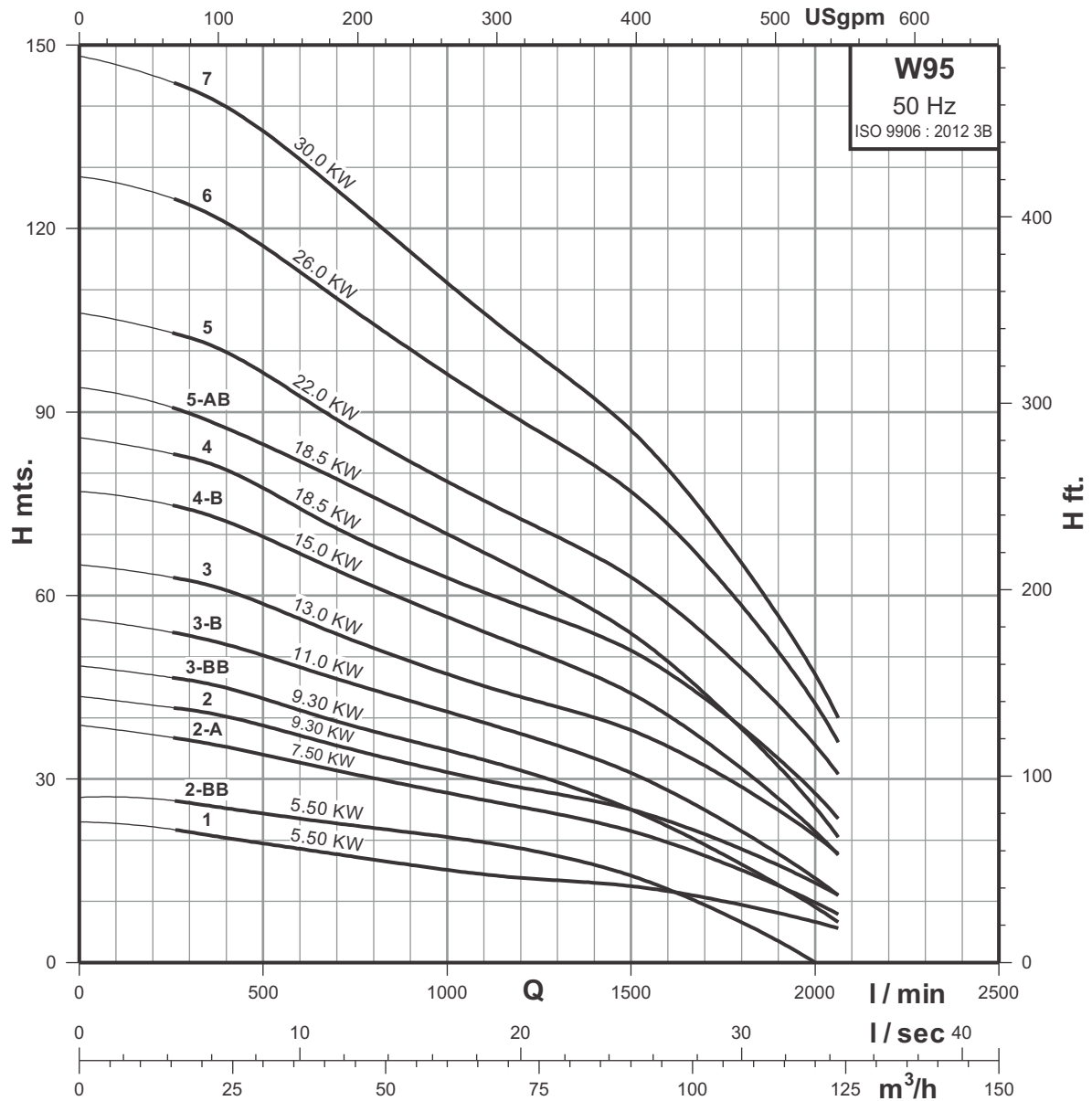
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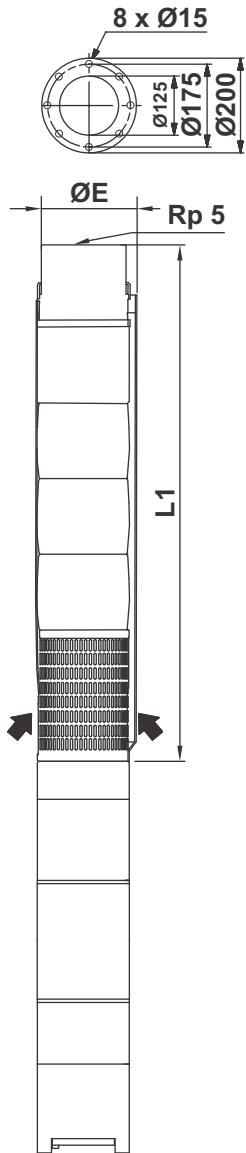
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W95/9	L6550-KP	37.0	50.0		189	182	162	133	114	52
W95/10	L8560-KH	45.0	60.0		214	206	185	153	132	63
W95/11	L8575-KH	55.0	75.0		237	228	205	169	146	70
W95/12	L8575-KH	55.0	75.0		258	248	222	183	157	76
W95/13	L8575-KH	55.0	75.0		278	267	239	198	170	81
W95/14	L8590-H	66.0	90.0		300	288	259	214	185	89
W95/15	L85100-H	75.0	100.0		322	310	278	230	198	95
W95/16	L85100-H	75.0	100.0		342	330	296	244	210	100
W95/17	L85100-H	75.0	100.0		363	349	313	258	223	106
W95/18	L85125-H	93.0	125.0		383	369	330	273	235	111
W95/19	L85125-H	93.0	125.0		403	387	348	287	247	116
W95/20	L85125-H	93.0	125.0		423	407	365	300	258	122

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