



# 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 m<sup>3</sup>/h
- Head range: Max. 423 metres

### Operating conditions

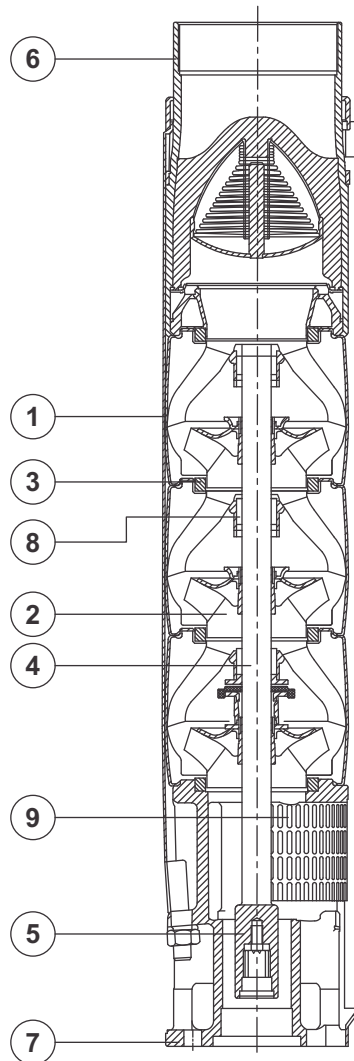
- Liquid temperature: 0°C to +45°C
- Max. sand content into the water: 50 g/m<sup>3</sup>
- Max. starts per hour: 20 at regular intervals
- Direction of rotation: Clockwise as seen from the pump coupling side

### 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

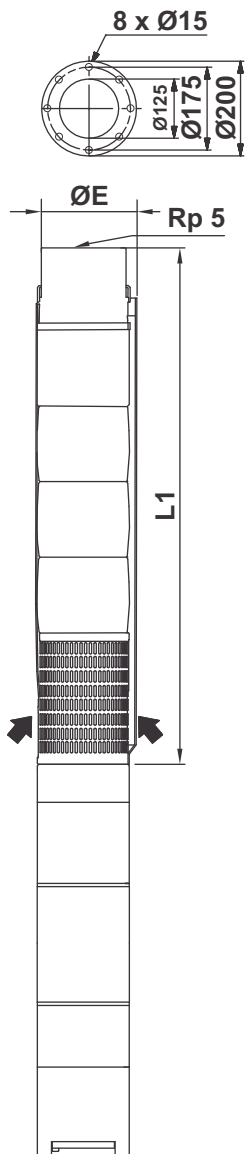
### Materials

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 <sup>3</sup> /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 <sup>3</sup> ]
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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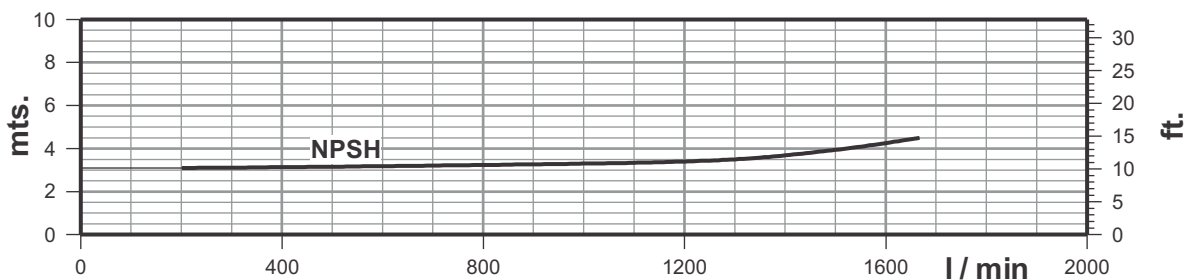
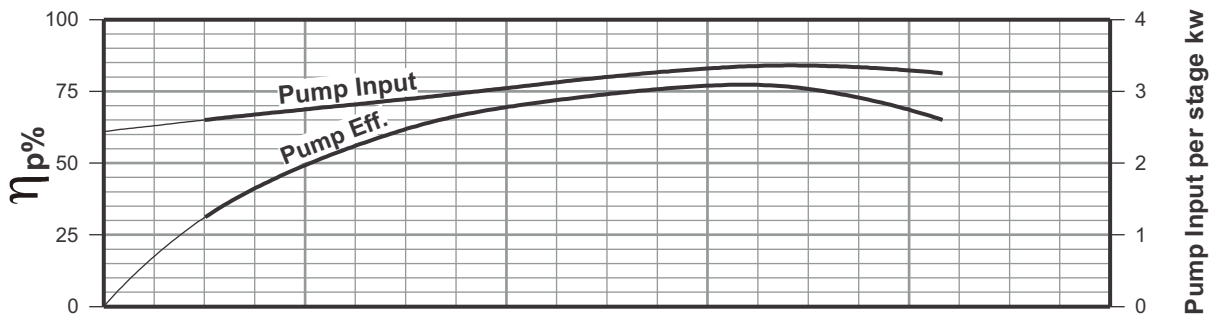
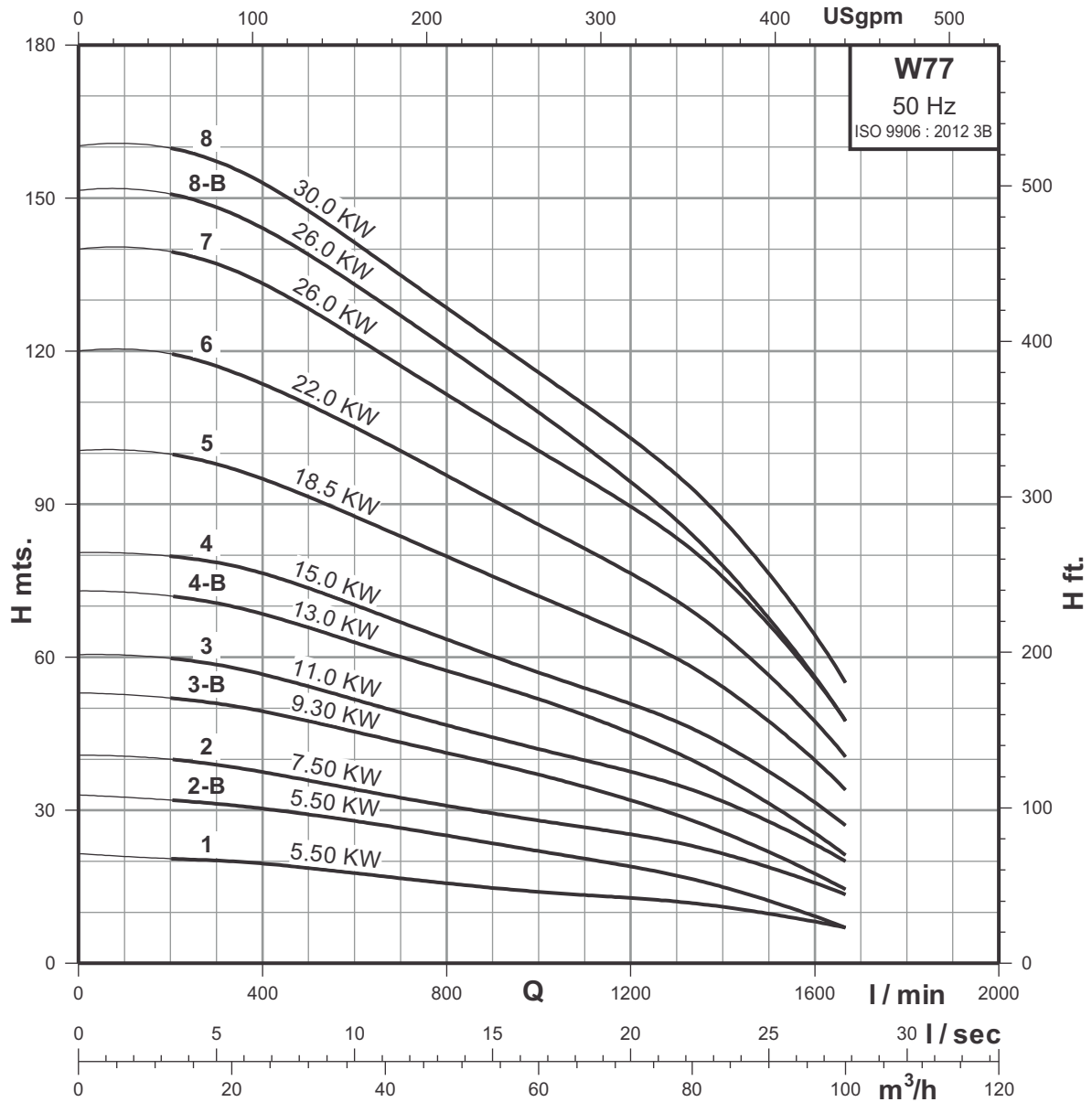
**Note:** ØE = For single cable motor maximum diameter of pump inclusive of cable guard.  
For two cable motor maximum diameter of pump inclusive of cable guard will increase by 4 mm.

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

# Performance curves

Mixed flow 8" stainless steel submersible bore well pumps

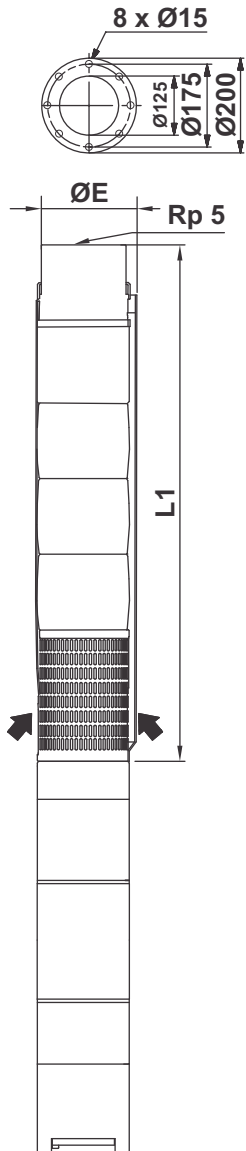
**W77**



# Technical data

## Mixed flow 8" stainless steel submersible bore well pumps

# W77



### Performance chart

Pump type	Motor type	kW	HP	Q m³/h	n = 2900 rpm					
					Water filled					
	l/min	0	20	40	60	80	100			
W77/9	L6540-KP	30.0	40.0	H mts.	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 [m³]
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

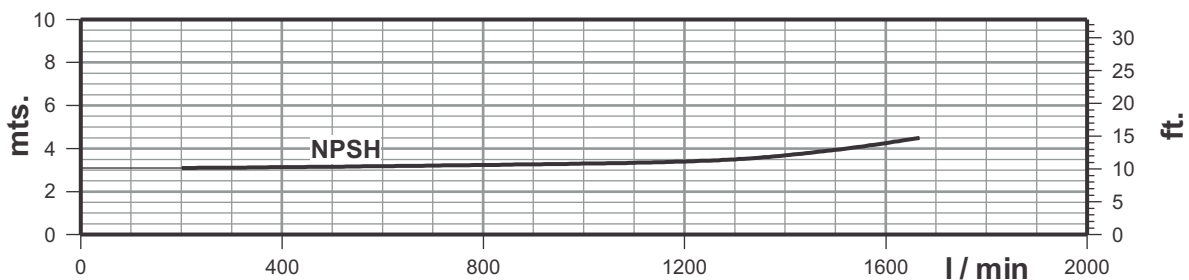
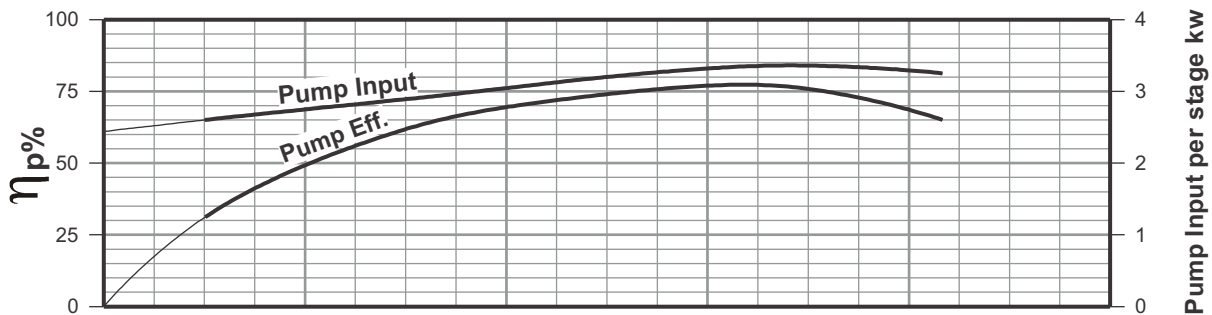
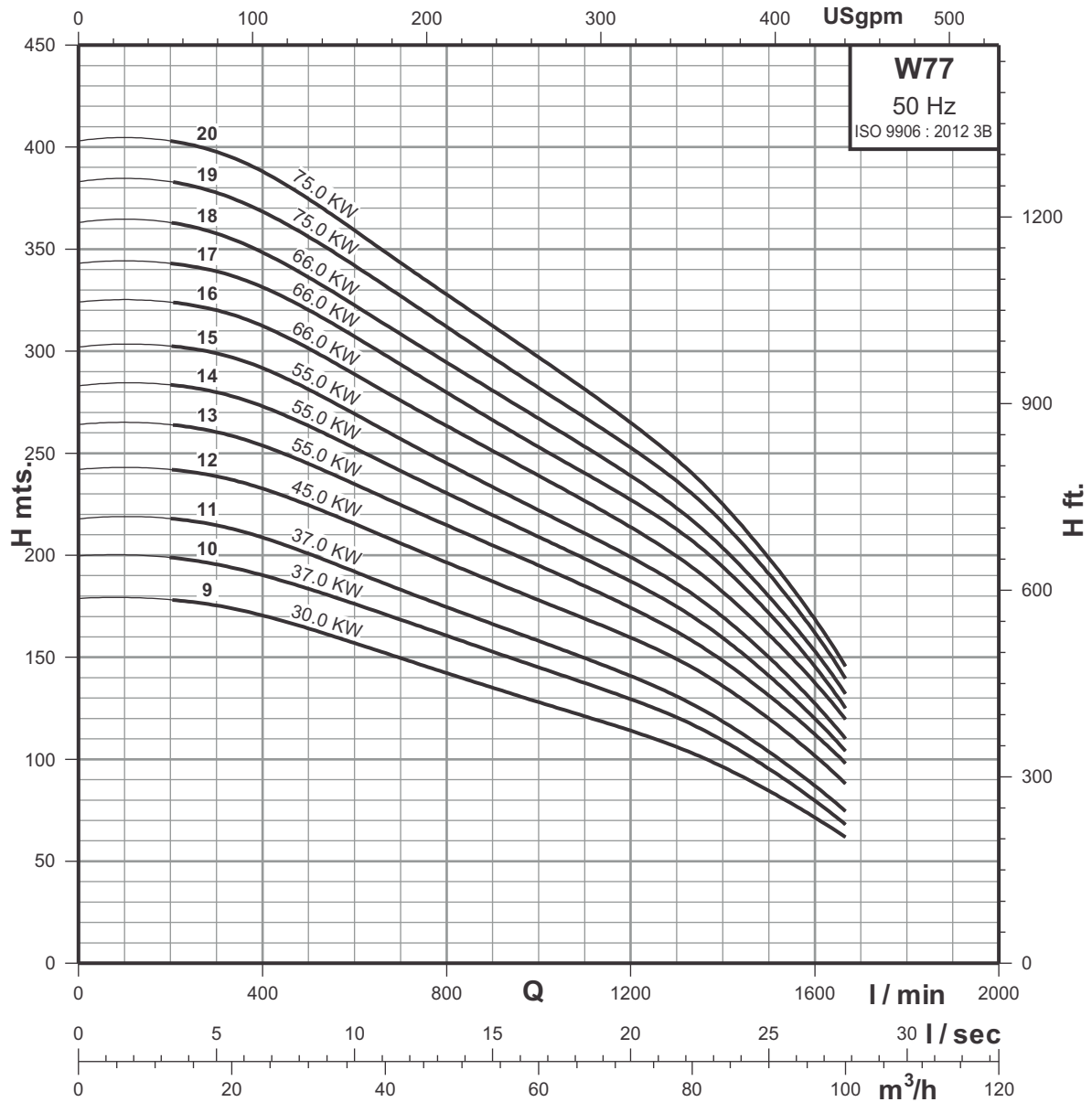
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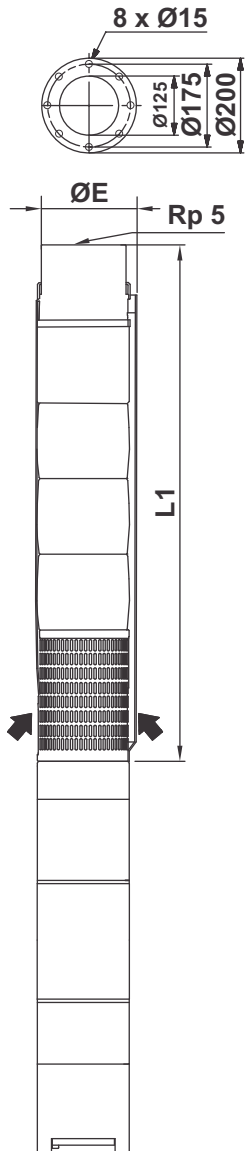
**W77**



# Technical data

## Mixed flow 8" stainless steel submersible bore well pumps

# W95



### Performance chart

Pump type	Motor type	kW	HP	Q m <sup>3</sup> /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 <sup>3</sup> ]
W95/1	6"	178	618	23.8	0.0302
W95/2-BB	6"	178	746	27.7	0.0354
W95/2-A	6"	178	746	27.7	0.0354
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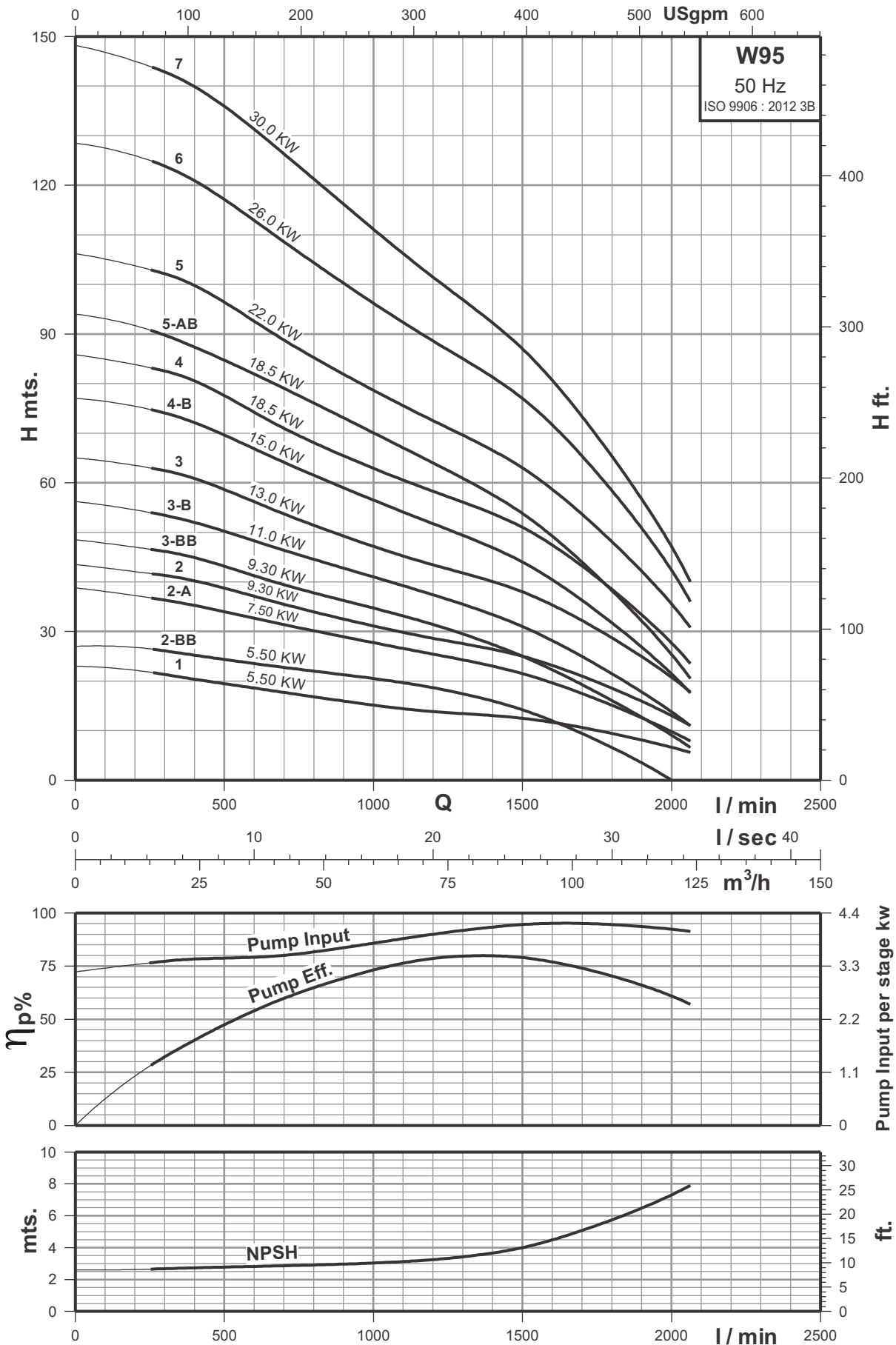
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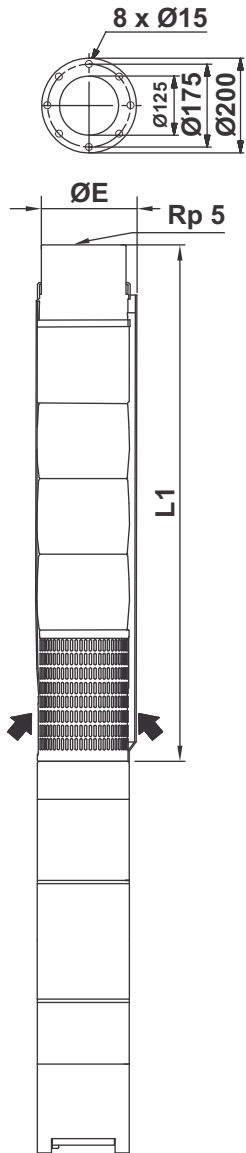
**W95**



# Technical data

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# W95



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	Water filled	0	333	667	1167	1500	2063			
W95/8	L6550-KP	37.0	50.0	H mts.	170	163	145	119	102	48
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

### Dimensions & weights of only Pump

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# Performance curves

Mixed flow 8" stainless steel submersible bore well pumps

**W95**

