

VS 19

TABLE OF HYDRAULIC PERFORMANCE AT 50 Hz

Pump model	RATED POWER		Q = DELIVERY								
			m ³ /h 0	8	10	12	15	18	21	24	27
	[kW]	[HP]	l/min 0	133	167	200	250	300	350	400	450
H = TOTAL METERS HEAD OF WATER COLUMN [m]											
VS 19/6	4	5.5	70.0	66.5	64.0	62.0	58.0	52.0	43.5	33.0	20.5
VS 19/7	5.5	7.5	81.7	77.5	74.7	72.3	67.2	60.2	50.4	38.4	23.9
VS 19/8	5.5	7.5	93.3	88.5	85.3	82.7	76.8	68.8	57.6	43.9	27.4
VS 19/9	5.5	7.5	105.0	99.6	96.0	93.0	86.4	77.4	64.8	49.4	30.8
VS 19/10	7.5	10	116.7	110.7	106.7	103.3	96.0	86.0	72.0	54.9	34.2
VS 19/11	7.5	10	128.3	121.7	117.3	113.7	105.6	94.6	79.2	60.4	37.6
VS 19/12	7.5	10	140.0	132.8	128.0	124.0	115.2	103.2	86.4	65.8	41.0
VS 19/13	9.3	12.5	151.7	143.9	138.7	134.3	124.8	111.8	93.6	71.3	44.5
VS 19/14	9.3	12.5	163.3	154.9	149.3	144.7	134.4	120.4	100.8	76.8	47.9
VS 19/15	9.3	12.5	175	166	160	155	144	129	108	82.3	51.3
VS 19/16	11	15	186.7	177.1	170.7	165.3	153.6	137.6	115.2	87.8	54.7
VS 19/17	11	15	198.3	188.1	181.3	175.7	163.2	146.2	122.4	93.3	58.1
VS 19/18	11	15	210.0	199.2	192.0	186.0	172.8	154.8	129.6	98.8	61.6
VS 19/19	15	20	221.7	210.3	202.7	196.3	182.4	163.4	136.8	104.2	65.0
VS 19/20	15	20	233.3	221.3	213.3	206.7	192.0	172.0	144.0	109.7	68.4
VS 19/21	15	20	245.0	232.4	224.0	217.0	201.6	180.6	151.2	115.2	71.8
VS 19/22	15	20	256.7	243.5	234.7	227.3	211.2	189.2	158.4	120.7	75.2
VS 19/23	15	20	268.3	254.5	245.3	237.7	220.8	197.8	165.6	126.2	78.7
VS 19/24	15	20	280.0	265.6	256.0	248.0	230.4	206.4	172.8	131.7	82.1
VS 19/25	18.5	25	291.7	276.7	266.7	258.3	240.0	215.0	180.0	137.2	85.5
VS 19/26	18.5	25	303.3	287.7	277.3	268.7	249.6	223.6	187.2	142.7	88.9
VS 19/27	18.5	25	315.0	298.8	288.0	279.0	259.2	232.2	194.4	148.1	92.3
VS 19/28	18.5	25	326.7	309.9	298.7	289.3	268.8	240.8	201.6	153.6	95.8
VS 19/29	18.5	25	338.3	320.9	309.3	299.7	278.4	249.4	208.8	159.1	99.2
VS 19/30	18.5	25	350.0	332.0	320.0	310.0	288.0	258.0	216.0	164.6	102.6
VS 19/31	22	30	361.7	343.1	330.7	320.3	297.6	266.6	223.2	170.1	106.0
VS 19/32	22	30	373.3	354.1	341.3	330.7	307.2	275.2	230.4	175.6	109.4
VS 19/33	22	30	385.0	365.2	352.0	341.0	316.8	283.8	237.6	181.1	112.9
VS 19/34	22	30	396.7	376.3	362.7	351.3	326.4	292.4	244.8	186.5	116.3
VS 19/35	22	30	408.3	387.3	373.3	361.7	336.0	301.0	252.0	192.0	119.7
VS 19/36	22	30	420.0	398.4	384.0	372.0	345.6	309.6	259.2	197.5	123.1
VS 19/37	30	40	431.7	409.5	394.7	382.3	355.2	318.2	266.4	203.0	126.5
VS 19/38	30	40	443.3	420.5	405.3	392.7	364.8	326.8	273.6	208.5	130.0
VS 19/39	30	40	455.0	431.6	416.0	403.0	374.4	335.4	280.8	214.0	133.4
VS 19/40	30	40	466.7	442.7	426.7	413.3	384.0	344.0	288.0	219.5	136.8
VS 19/41	30	40	478.3	453.7	437.3	423.7	393.6	352.6	295.2	225.0	140.2
VS 19/42	30	40	490.0	464.8	448.0	434.0	403.2	361.2	302.4	230.4	143.6
VS 19/43	30	40	501.7	475.9	458.7	444.3	412.8	369.8	309.6	235.9	147.1
VS 19/44	30	40	513.3	486.9	469.3	454.7	422.4	378.4	316.8	241.4	150.5
VS 19/45	30	40	525.0	498.0	480.0	465.0	432.0	387.0	324.0	246.9	153.9
VS 19/46	30	40	536.7	509.1	490.7	475.3	441.6	395.6	331.2	252.4	157.3
VS 19/47	30	40	548.3	520.1	501.3	485.7	451.2	404.2	338.4	257.9	160.7
VS 19/48	30	40	560.0	531.2	512.0	496.0	460.8	412.8	345.6	263.4	164.2
VS 19/49	30	40	571.7	542.3	522.7	506.3	470.4	421.4	352.8	268.8	167.6
VS 19/50	37	50	583.3	553.3	533.3	516.7	480.0	430.0	360.0	274.3	171.0
VS 19/51	37	50	595.0	564.4	544.0	527.0	489.6	438.6	367.2	279.8	174.4
VS 19/52	37	50	606.7	575.5	554.7	537.3	499.2	447.2	374.4	285.3	177.8
VS 19/53	37	50	618.3	586.5	565.3	547.7	508.8	455.8	381.6	290.8	181.3
VS 19/54	37	50	630.0	597.6	576.0	558.0	518.4	464.4	388.8	296.3	184.7
VS 19/55	37	50	641.7	608.7	586.7	568.3	528.0	473.0	396.0	301.8	188.1
VS 19/56	37	50	653.3	619.7	597.3	578.7	537.6	481.6	403.2	307.3	191.5
VS 19/57	37	50	665.0	630.8	608.0	589.0	547.2	490.2	410.4	312.7	194.9
VS 19/58	37	50	676.7	641.9	618.7	599.3	556.8	498.8	417.6	318.2	198.4
VS 19/59	37	50	688.3	652.9	629.3	609.7	566.4	507.4	424.8	323.7	201.8

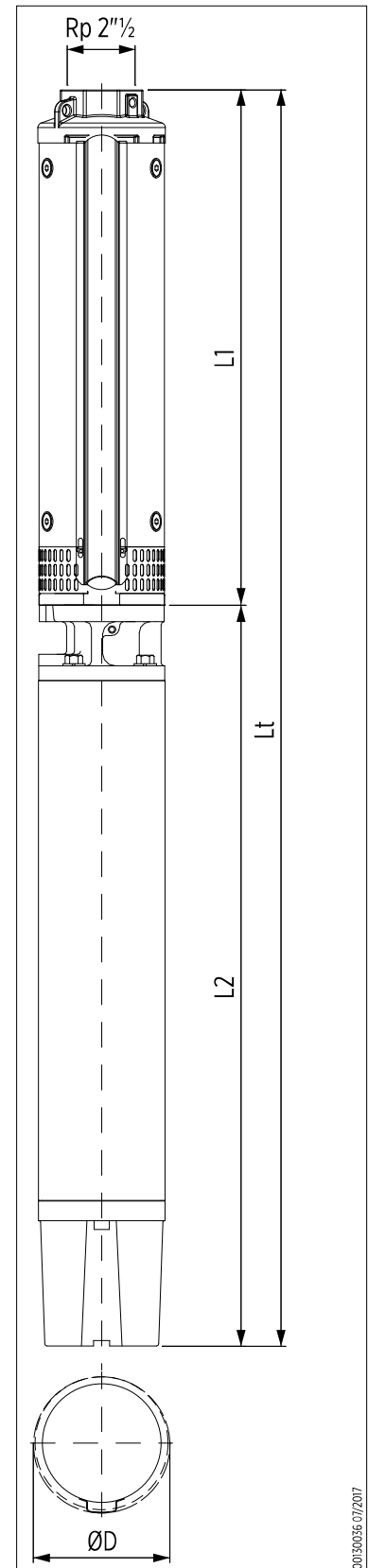
VS 19 50 Hz

TECHNICAL DATA - PUMPS WITH ENCAPSULATED MOTOR

Pump model	Motor			Dimensions					Pump weight [Kg]
	Type	[kW]	[HP]	L1 [mm]	L2 [mm]	Lt [mm]	D [mm]		
							1 cable	2 cable	
VS 19/6	E4	3.7	5	497.5	520	1017.5	142.5	-	31.5
VS 19/7	E4	5.5	7.5	535	652.5	1187.5	142.5	-	40
VS 19/8	E4	5.5	7.5	572.5	652.5	1225	142.5	-	41
VS 19/9	E4	5.5	7.5	610	652.5	1262.5	142.5	-	41.5
VS 19/10	E4	7.5	10	647.5	730.5	1378	142.5	-	46.5
VS 19/11	E4	7.5	10	685	730.5	1415.5	142.5	-	47.5
VS 19/12	E4	7.5	10	722.5	730.5	1453	142.5	-	48
VS 19/6	E6	4	5.5	495	581	1076	143	144.5	50
VS 19/7	E6	5.5	7.5	532.5	614.5	1147	143	144.5	54.5
VS 19/8	E6	5.5	7.5	570	614.5	1184.5	143	144.5	55.5
VS 19/9	E6	5.5	7.5	607.5	614.5	1222	143	144.5	56
VS 19/10	E6	7.5	10	645	646	1291	143	144.5	61
VS 19/11	E6	7.5	10	682.5	646	1328.5	143	144.5	62
VS 19/12	E6	7.5	10	720	646	1366	143	144.5	62.5
VS 19/13	E6	9.3	12.5	757.5	678.5	1436	143	144.5	66
VS 19/14	E6	9.3	12.5	795	678.5	1473.5	143	144.5	67
VS 19/15	E6	9.3	12.5	832.5	678.5	1511	143	144.5	67.5
VS 19/16	E6	11	15	870	711	1581	143	144.5	72
VS 19/17	E6	11	15	907.5	711	1618.5	143	144.5	73
VS 19/18	E6	11	15	945	711	1656	143	144.5	73.5
VS 19/19	E6	15	20	982.5	776	1758.5	143	144.5	80
VS 19/20	E6	15	20	1020	776	1796	143	144.5	80.5
VS 19/21	E6	15	20	1057.5	776	1833.5	143	144.5	81.5
VS 19/22	E6	15	20	1095	776	1871	143	144.5	82.5
VS 19/23	E6	15	20	1132.5	776	1908.5	143	144.5	83
VS 19/24	E6	15	20	1170	776	1946	143	144.5	84

TECHNICAL DATA - PUMPS WITH REWINDABLE MOTOR

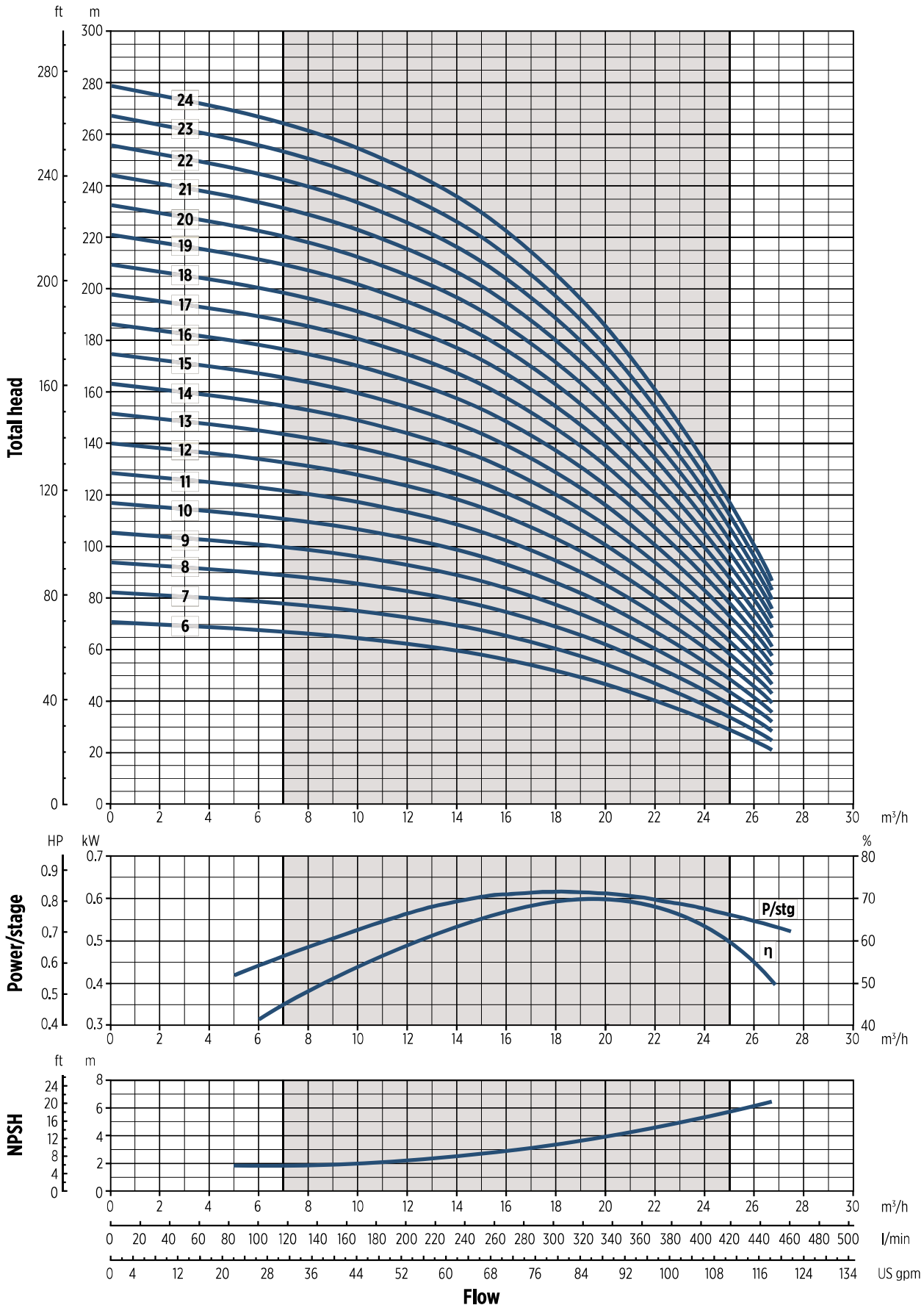
Pump model	Motor			Dimensions					Pump weight [Kg]
	Type	[kW]	[HP]	L1 [mm]	L2 [mm]	Lt [mm]	D [mm]		
							1 cable	2 cable	
VS 19/6	RW6	4	5.5	495	699	1194	147	147.5	60.5
VS 19/7	RW6	5.5	7.5	532.5	699	1231.5	147	147.5	61.5
VS 19/8	RW6	5.5	7.5	570	699	1269	147	147.5	62.5
VS 19/9	RW6	5.5	7.5	607.5	699	1306.5	147	147.5	63
VS 19/10	RW6	7.5	10	645	719	1364	147	147.5	66
VS 19/11	RW6	7.5	10	682.5	719	1401.5	147	147.5	67
VS 19/12	RW6	7.5	10	720	719	1439	147	147.5	67.5
VS 19/13	RW6	9.3	12.5	757.5	749	1506.5	147	147.5	71.5
VS 19/14	RW6	9.3	12.5	795	749	1544	147	147.5	72.5
VS 19/15	RW6	9.3	12.5	832.5	749	1581.5	147	147.5	73
VS 19/16	RW6	11	15	870	779	1649	147	147.5	77
VS 19/17	RW6	11	15	907.5	779	1686.5	147	147.5	78
VS 19/18	RW6	11	15	945	779	1724	147	147.5	78.5
VS 19/19	RW6	13	17.5	982.5	829	1811.5	147	147.5	84.5
VS 19/20	RW6	13	17.5	1020	829	1849	147	147.5	85
VS 19/21	RW6	13	17.5	1057.5	829	1886.5	147	147.5	86
VS 19/22	RW6	15	20	1095	874	1969	147	147.5	92
VS 19/23	RW6	15	20	1132.5	874	2006.5	147	147.5	92.5
VS 19/24	RW6	15	20	1170	874	2044	147	147.5	93.5



00130036 07/2017

PERFORMANCE CURVES AT 50 Hz

MEI ≥ 0,40



00206GEN/08/2017

The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

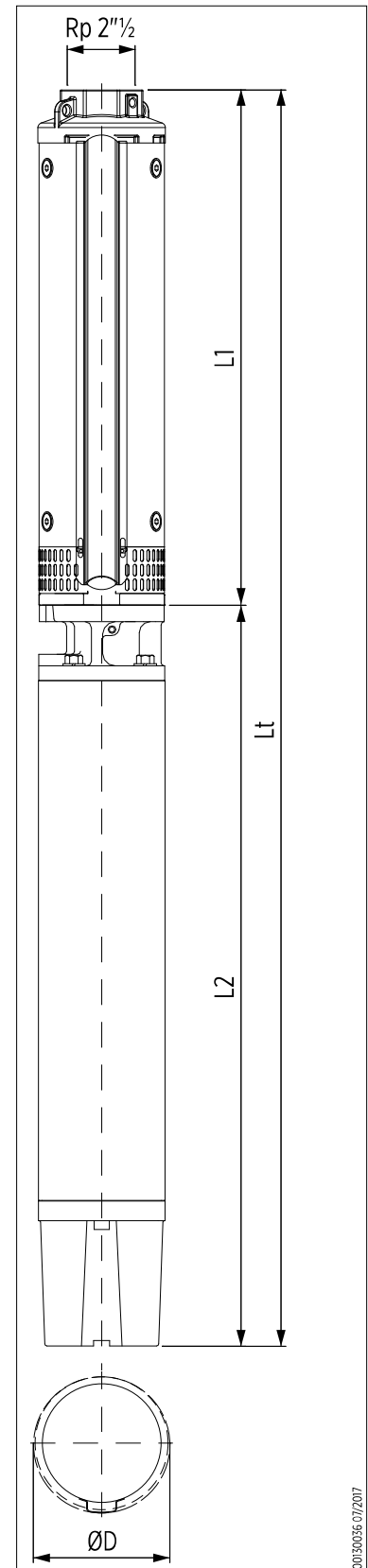
VS 19 50 Hz

TECHNICAL DATA - PUMPS WITH ENCAPSULATED MOTOR

Pump model	Motor			Dimensions					Pump weight [Kg]
	Type	[kW]	[HP]	L1 [mm]	L2 [mm]	Lt [mm]	D [mm]		
							1 cable	2 cable	
VS 19/25	E6	18,5	25	1207,5	841,5	2049	143	144,5	92
VS 19/26	E6	18,5	25	1245	841,5	2086,5	143	144,5	92,5
VS 19/27	E6	18,5	25	1282,5	841,5	2124	143	144,5	94,5
VS 19/28	E6	18,5	25	1319,5	841,5	2161	143	144,5	94,5
VS 19/29	E6	18,5	25	1357	841,5	2198,5	143	144,5	95
VS 19/30	E6	18,5	25	1394,5	841,5	2236	143	144,5	96
VS 19/31	E6	22	30	1432	906,5	2338,5	143	144,5	103
VS 19/32	E6	22	30	1469,5	906,5	2376	143	144,5	103,5
VS 19/33	E6	22	30	1507	906,5	2413,5	143	144,5	104,5
VS 19/34	E6	22	30	1544,5	906,5	2451	143	144,5	105
VS 19/35	E6	22	30	1582	906,5	2488,5	143	144,5	106
VS 19/36	E6	22	30	1619,5	906,5	2526	143	144,5	106,5
VS 19/37	E6	30	40	1657	1036,5	2693,5	143	144,5	122,5
VS 19/38	E6	30	40	1694,5	1036,5	2731	143	144,5	124
VS 19/39	E6	30	40	1732	1036,5	2768,5	143	144,5	124
VS 19/40	E6	30	40	1769,5	1036,5	2806	143	144,5	124,5
VS 19/41	E6	30	40	1807	1036,5	2843,5	143	144,5	126
VS 19/42	E6	30	40	1844,5	1036,5	2881	143	144,5	127
VS 19/43	E6	30	40	1882	1036,5	2918,5	143	144,5	128
VS 19/44	E6	30	40	1919,5	1036,5	2956	143	144,5	129
VS 19/45	E6	30	40	1957	1036,5	2993,5	143	144,5	130
VS 19/46	E6	30	40	1994	1036,5	3030,5	143	144,5	131

TECHNICAL DATA - PUMPS WITH REWINDABLE MOTOR

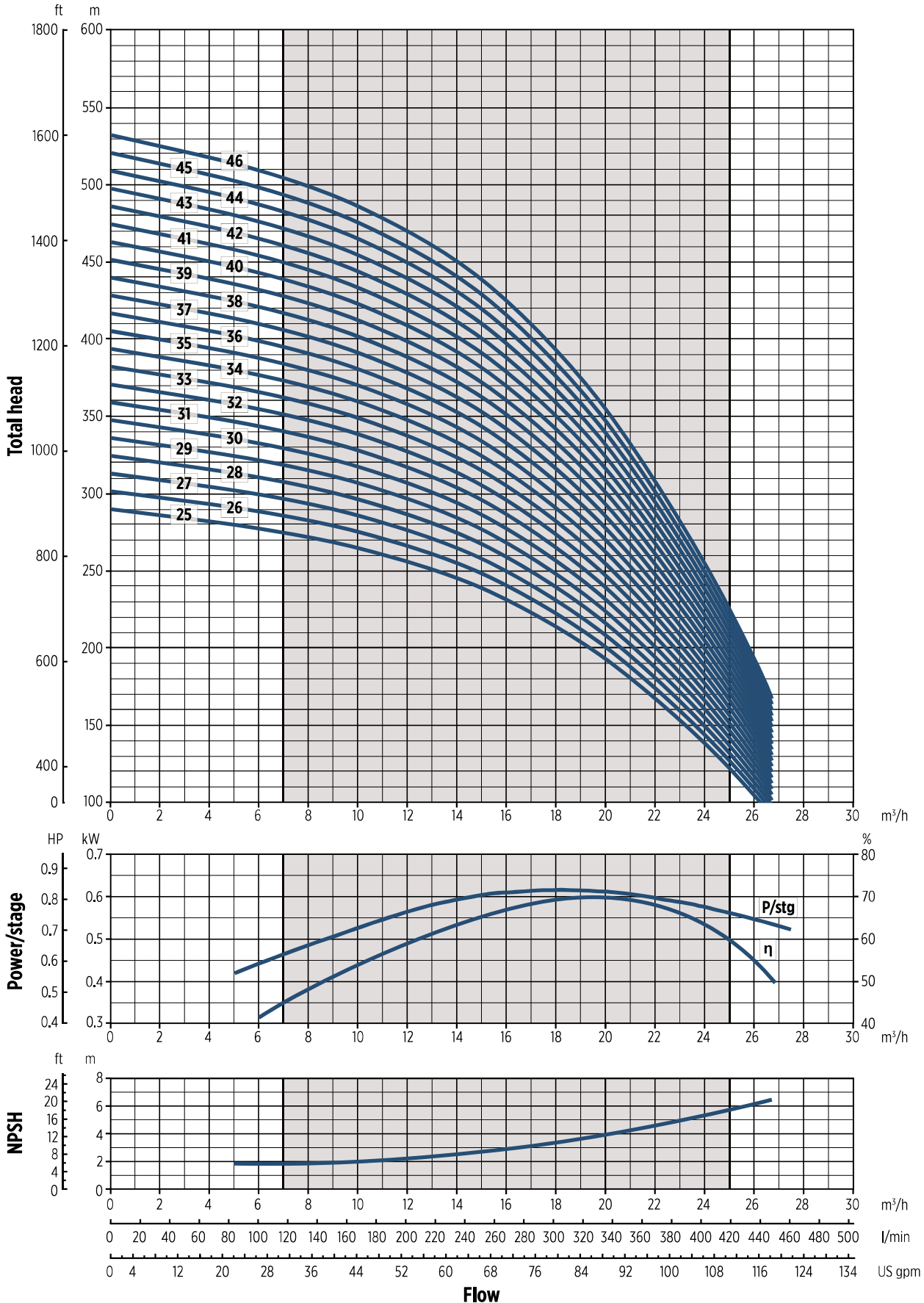
Pump model	Motor			Dimensions					Pump weight [Kg]
	Type	[kW]	[HP]	L1 [mm]	L2 [mm]	Lt [mm]	D [mm]		
							1 cable	2 cable	
VS 19/25	RW6	18,5	25	1207,5	919	2126,5	147	147,5	98,5
VS 19/26	RW6	18,5	25	1245	919	2164	147	147,5	99
VS 19/27	RW6	18,5	25	1282,5	919	2201,5	147	147,5	101
VS 19/28	RW6	18,5	25	1319,5	919	2238,5	147	147,5	101
VS 19/29	RW6	18,5	25	1357	919	2276	147	147,5	101,5
VS 19/30	RW6	18,5	25	1394,5	919	2313,5	147	147,5	102,5
VS 19/31	RW6	22	30	1432	1009	2441	147	147,5	112,5
VS 19/32	RW6	22	30	1469,5	1009	2478,5	147	147,5	113
VS 19/33	RW6	22	30	1507	1009	2516	147	147,5	114
VS 19/34	RW6	22	30	1544,5	1009	2553,5	147	147,5	114,5
VS 19/35	RW6	22	30	1582	1009	2591	147	147,5	115,5
VS 19/36	RW6	22	30	1619,5	1009	2628,5	147	147,5	116
VS 19/37	RW6	26	35	1657	1114	2771	147	147,5	128,5
VS 19/38	RW6	26	35	1694,5	1114	2808,5	147	147,5	130
VS 19/39	RW6	26	35	1732	1114	2846	147	147,5	130
VS 19/40	RW6	26	35	1769,5	1114	2883,5	147	147,5	130,5
VS 19/41	RW6	26	35	1807	1114	2921	147	147,5	132
VS 19/42	RW6	26	35	1844,5	1114	2958,5	147	147,5	133
VS 19/43	RW6	30	40	1882	1214	3096	147	147,5	144
VS 19/44	RW6	30	40	1919,5	1214	3133,5	147	147,5	145
VS 19/45	RW6	30	40	1957	1214	3171	147	147,5	146
VS 19/46	RW6	30	40	1994	1214	3208	147	147,5	147



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PERFORMANCE CURVES AT 50 Hz

MEI ≥ 0,40



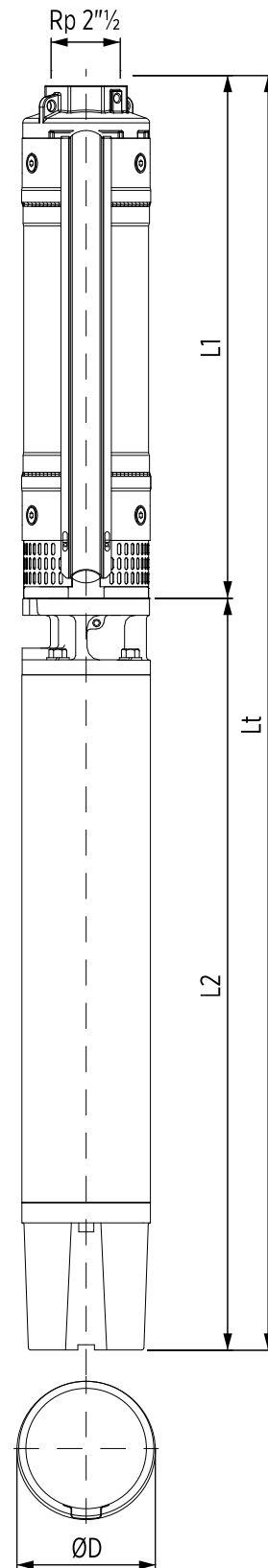
VS 19 High Pressure 50 Hz

TECHNICAL DATA - PUMPS WITH ENCAPSULATED MOTOR

Pump model	Motor			Dimensions					Pump weight [Kg]
	Type	[kW]	[HP]	L1 [mm]	L2 [mm]	Lt [mm]	D [mm]		
							1 cable	2 cable	
VS 19/47	E6	30	40	2031,5	1036,5	3068	145	146,5	131,5
VS 19/48	E6	30	40	2069	1036,5	3105,5	145	146,5	132
VS 19/49	E6	30	40	2106,5	1036,5	3143	145	146,5	134
VS 19/50	E6	37	50	2144	1421,5	3565,5	145	146,5	189
VS 19/51	E6	37	50	2181,5	1421,5	3603	145	146,5	190
VS 19/52	E6	37	50	2219	1421,5	3640,5	145	146,5	191
VS 19/53	E6	37	50	2256,5	1421,5	3678	145	146,5	192
VS 19/54	E6	37	50	2294	1421,5	3715,5	145	146,5	193
VS 19/55	E6	37	50	2331,5	1421,5	3753	145	146,5	194
VS 19/56	E6	37	50	2369	1421,5	3790,5	145	146,5	195
VS 19/57	E6	37	50	2406,5	1421,5	3828	145	146,5	196
VS 19/58	E6	37	50	2444	1421,5	3865,5	145	146,5	197
VS 19/59	E6	37	50	2481,5	1421,5	3903	145	146,5	198
VS 19/60	E6	37	50	2519	1421,5	3940,5	145	146,5	199

TECHNICAL DATA - PUMPS WITH REWINDABLE MOTOR

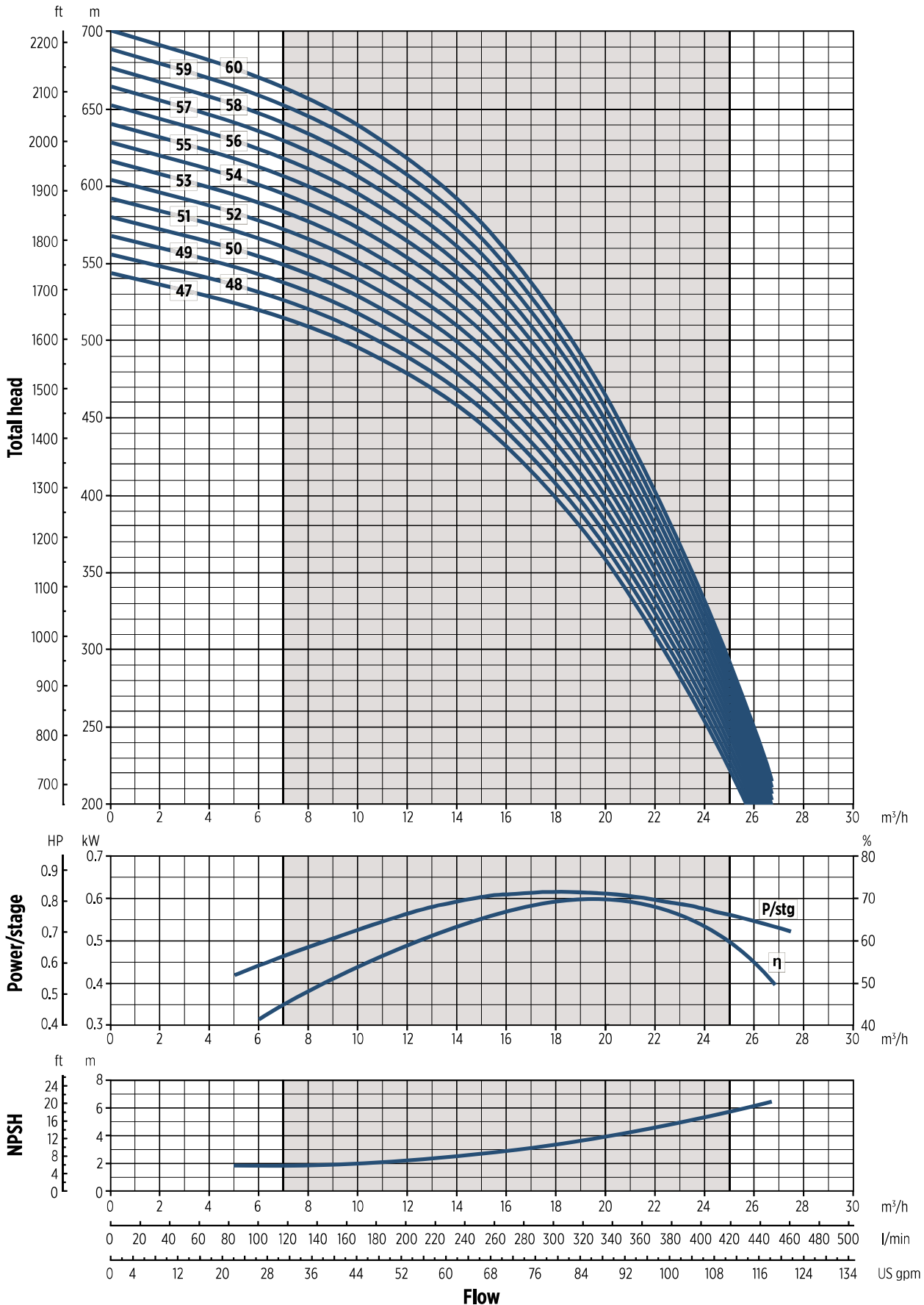
Pump model	Motor			Dimensions					Pump weight [Kg]
	Type	[kW]	[HP]	L1 [mm]	L2 [mm]	Lt [mm]	D [mm]		
							1 cable	2 cable	
VS 19/47	RW6	30	40	2031,5	1214	3245,5	149	149,5	147,5
VS 19/48	RW6	30	40	2069	1214	3283	149	149,5	148
VS 19/49	RW6	30	40	2106,5	1214	3320,5	149	149,5	150
VS 19/50	RW6	37	50	2144	1294	3438	149	149,5	158
VS 19/51	RW6	37	50	2181,5	1294	3475,5	149	149,5	159
VS 19/52	RW6	37	50	2219	1294	3513	149	149,5	160
VS 19/53	RW6	37	50	2256,5	1294	3550,5	149	149,5	161
VS 19/54	RW6	37	50	2294	1294	3588	149	149,5	162
VS 19/55	RW6	37	50	2331,5	1294	3625,5	149	149,5	163
VS 19/56	RW6	37	50	2369	1294	3663	149	149,5	164
VS 19/57	RW6	37	50	2406,5	1294	3700,5	149	149,5	165
VS 19/58	RW6	37	50	2444	1294	3738	149	149,5	166
VS 19/59	RW6	37	50	2481,5	1294	3775,5	149	149,5	167
VS 19/60	RW6	37	50	2519	1294	3813	149	149,5	168



00130037_07/2017

PERFORMANCE CURVES AT 50 Hz

MEI ≥ 0,40



001206GEN/08/2017

The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B