

# VS 14

## TABLE OF HYDRAULIC PERFORMANCE AT 50 HZ

Pump model	RATED POWER		Q = DELIVERY						
			m <sup>3</sup> /h 0	6	8	10	12	15	18
	[kW]	[HP]	l/min 0	100	133	167	200	250	300
H = TOTAL METERS HEAD OF WATER COLUMN [m]									
VS 14/5	4	5.5	56.1	50.7	48.4	45.4	41.4	31.3	18.6
VS 14/6	4	5.5	67.3	60.8	58.1	54.5	49.7	37.5	22.3
VS 14/7	4	5.5	78.5	71.0	67.8	63.6	58.0	43.8	26.0
VS 14/8	4	5.5	89.7	81.1	77.5	72.7	66.3	50.0	29.7
VS 14/9	5.5	7.5	100.9	91.2	87.2	81.8	74.6	56.3	33.4
VS 14/10	5.5	7.5	112.1	101.4	96.9	90.9	82.9	62.5	37.1
VS 14/11	5.5	7.5	123.3	111.5	106.6	100.0	91.2	68.8	40.8
VS 14/12	5.5	7.5	134.6	121.7	116.3	109.1	99.5	75.0	44.6
VS 14/13	5.5	7.5	145.8	131.8	125.9	118.1	107.7	81.3	48.3
VS 14/14	7.5	10	157.0	141.9	135.6	127.2	116.0	87.5	52.0
VS 14/15	7.5	10	168.2	152.1	145.3	136.3	124.3	93.8	55.7
VS 14/16	7.5	10	179.4	162.2	155.0	145.4	132.6	100.0	59.4
VS 14/17	7.5	10	190.6	172.3	164.7	154.5	140.9	106.3	63.1
VS 14/18	9.3	12.5	201.8	182.5	174.4	163.6	149.2	112.5	66.8
VS 14/19	9.3	12.5	213.0	192.6	184.1	172.7	157.5	118.8	70.5
VS 14/20	9.3	12.5	224.3	202.8	193.8	181.8	165.8	125.0	74.3
VS 14/21	9.3	12.5	235.5	212.9	203.4	190.8	174.0	131.3	78.0
VS 14/22	9.3	12.5	246.7	223.0	213.1	199.9	182.3	137.5	81.7
VS 14/23	11	15	257.9	233.2	222.8	209.0	190.6	143.8	85.4
VS 14/24	11	15	269.1	243.3	232.5	218.1	198.9	150.0	89.1
VS 14/25	11	15	280.3	253.4	242.2	227.2	207.2	156.3	92.8
VS 14/26	11	15	291.5	263.6	251.9	236.3	215.5	162.5	96.5
VS 14/27	15	20	302.7	273.7	261.6	245.4	223.8	168.8	100.2
VS 14/28	15	20	314.0	283.9	271.3	254.5	232.1	175.0	104.0
VS 14/29	15	20	325.2	294.0	280.9	263.5	240.3	181.3	107.7
VS 14/30	15	20	336.4	304.1	290.6	272.6	248.6	187.5	111.4
VS 14/31	15	20	347.6	314.3	300.3	281.7	256.9	193.8	115.1
VS 14/32	15	20	358.8	324.4	310.0	290.8	265.2	200.0	118.8
VS 14/33	15	20	370.0	334.5	319.7	299.9	273.5	206.3	122.5
VS 14/34	15	20	381.2	344.7	329.4	309.0	281.8	212.5	126.2
VS 14/35	15	20	392.4	354.8	339.1	318.1	290.1	218.8	129.9
VS 14/36	15	20	403.7	365.0	348.8	327.2	298.4	225.0	133.7
VS 14/37	18.5	25	414.9	375.1	358.4	336.2	306.6	231.3	137.4
VS 14/38	18.5	25	426.1	385.2	368.1	345.3	314.9	237.5	141.1
VS 14/39	18.5	25	437.3	395.4	377.8	354.4	323.2	243.8	144.8
VS 14/40	18.5	25	448.5	405.5	387.5	363.5	331.5	250.0	148.5
VS 14/41	18.5	25	459.7	415.6	397.2	372.6	339.8	256.3	152.2
VS 14/42	18.5	25	470.9	425.8	406.9	381.7	348.1	262.5	155.9
VS 14/43	18.5	25	482.1	435.9	416.6	390.8	356.4	268.8	159.6
VS 14/44	18.5	25	493.4	446.1	426.3	399.9	364.7	275.0	163.4
VS 14/45	22	30	504.6	456.2	435.9	408.9	372.9	281.3	167.1
VS 14/46	22	30	515.8	466.3	445.6	418.0	381.2	287.5	170.8
VS 14/47	22	30	527.0	476.5	455.3	427.1	389.5	293.8	174.5
VS 14/48	22	30	538.2	486.6	465.0	436.2	397.8	300.0	178.2
VS 14/49	22	30	549.4	496.7	474.7	445.3	406.1	306.3	181.9
VS 14/50	22	30	560.6	506.9	484.4	454.4	414.4	312.5	185.6
VS 14/51	22	30	571.8	517.0	494.1	463.5	422.7	318.8	189.3
VS 14/52	22	30	583.1	527.2	503.8	472.6	431.0	325.0	193.1
VS 14/53	30	40	594.3	537.3	513.4	481.6	439.2	331.3	196.8
VS 14/54	30	40	605.5	547.4	523.1	490.7	447.5	337.5	200.5
VS 14/55	30	40	616.7	557.6	532.8	499.8	455.8	343.8	204.2
VS 14/56	30	40	627.9	567.7	542.5	508.9	464.1	350.0	207.9
VS 14/57	30	40	639.1	577.8	552.2	518.0	472.4	356.3	211.6
VS 14/58	30	40	650.3	588.0	561.9	527.1	480.7	362.5	215.3
VS 14/59	30	40	661.5	598.1	571.6	536.2	489.0	368.8	219.0
VS 14/60	30	40	672.8	608.3	581.3	545.3	497.3	375.0	222.8
VS 14/61	30	40	684.0	618.4	590.9	554.3	505.5	381.3	226.5



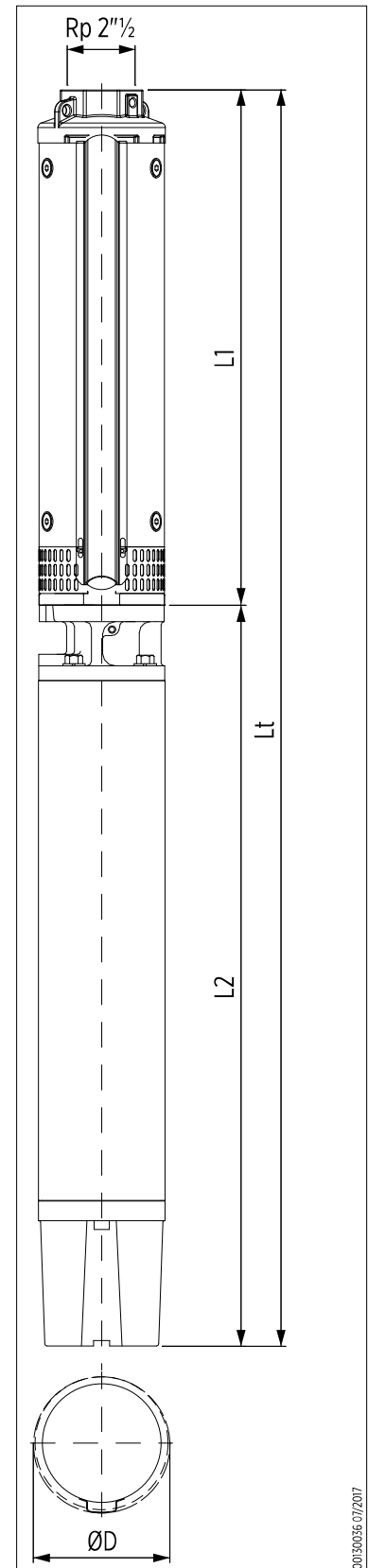
# VS 14 50 Hz

## 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 14/5	E4	2,2	3	413,5	422	835,5	142,5	-	26,5
VS 14/6	E4	3,7	5	443,5	520	963,5	142,5	-	32
VS 14/7	E4	3,7	5	473,5	520	993,5	142,5	-	32
VS 14/8	E4	3,7	5	503,5	520	1023,5	142,5	-	33
VS 14/9	E4	5,5	7,5	533,5	652,5	1186	142,5	-	41
VS 14/10	E4	5,5	7,5	563,5	652,5	1216	142,5	-	41,5
VS 14/11	E4	5,5	7,5	593,5	652,5	1246	142,5	-	42,5
VS 14/12	E4	5,5	7,5	623,5	652,5	1276	142,5	-	43,5
VS 14/13	E4	5,5	7,5	653,5	652,5	1306	142,5	-	44
VS 14/14	E4	7,5	10	683,5	730,5	1414	142,5	-	49
VS 14/15	E4	7,5	10	713,5	730,5	1444	142,5	-	49,5
VS 14/16	E4	7,5	10	743,5	730,5	1474	142,5	-	50,5
VS 14/17	E4	7,5	10	773,5	730,5	1504	142,5	-	51
VS 14/5	E6	4	5,5	411	581	992	143	144,5	49
VS 14/6	E6	4	5,5	441	581	1022	143	144,5	50
VS 14/7	E6	4	5,5	471	581	1052	143	144,5	50,5
VS 14/8	E6	4	5,5	501	581	1082	143	144,5	51,5
VS 14/9	E6	5,5	7,5	531	614,5	1145,5	143	144,5	55,5
VS 14/10	E6	5,5	7,5	561	614,5	1175,5	143	144,5	56
VS 14/11	E6	5,5	7,5	591	614,5	1205,5	143	144,5	57
VS 14/12	E6	5,5	7,5	621	614,5	1235,5	143	144,5	58
VS 14/13	E6	5,5	7,5	651	614,5	1265,5	143	144,5	58,5
VS 14/14	E6	7,5	10	681	646	1327	143	144,5	63,5
VS 14/15	E6	7,5	10	711	646	1357	143	144,5	64
VS 14/16	E6	7,5	10	741	646	1387	143	144,5	65
VS 14/17	E6	7,5	10	771	646	1417	143	144,5	65,5
VS 14/18	E6	9,3	12,5	801	678,5	1479,5	143	144,5	69
VS 14/19	E6	9,3	12,5	831	678,5	1509,5	143	144,5	69,5
VS 14/20	E6	9,3	12,5	861	678,5	1539,5	143	144,5	70,5
VS 14/21	E6	9,3	12,5	891	678,5	1569,5	143	144,5	71
VS 14/22	E6	9,3	12,5	921	678,5	1599,5	143	144,5	71,5
VS 14/23	E6	11	15	951	711	1662	143	144,5	76
VS 14/24	E6	11	15	981	711	1692	143	144,5	76,5
VS 14/25	E6	11	15	1011	711	1722	143	144,5	77,5
VS 14/26	E6	11	15	1041	711	1752	143	144,5	78

## TECHNICAL DATA - PUMPS WITH REWINDABLE MOTOR

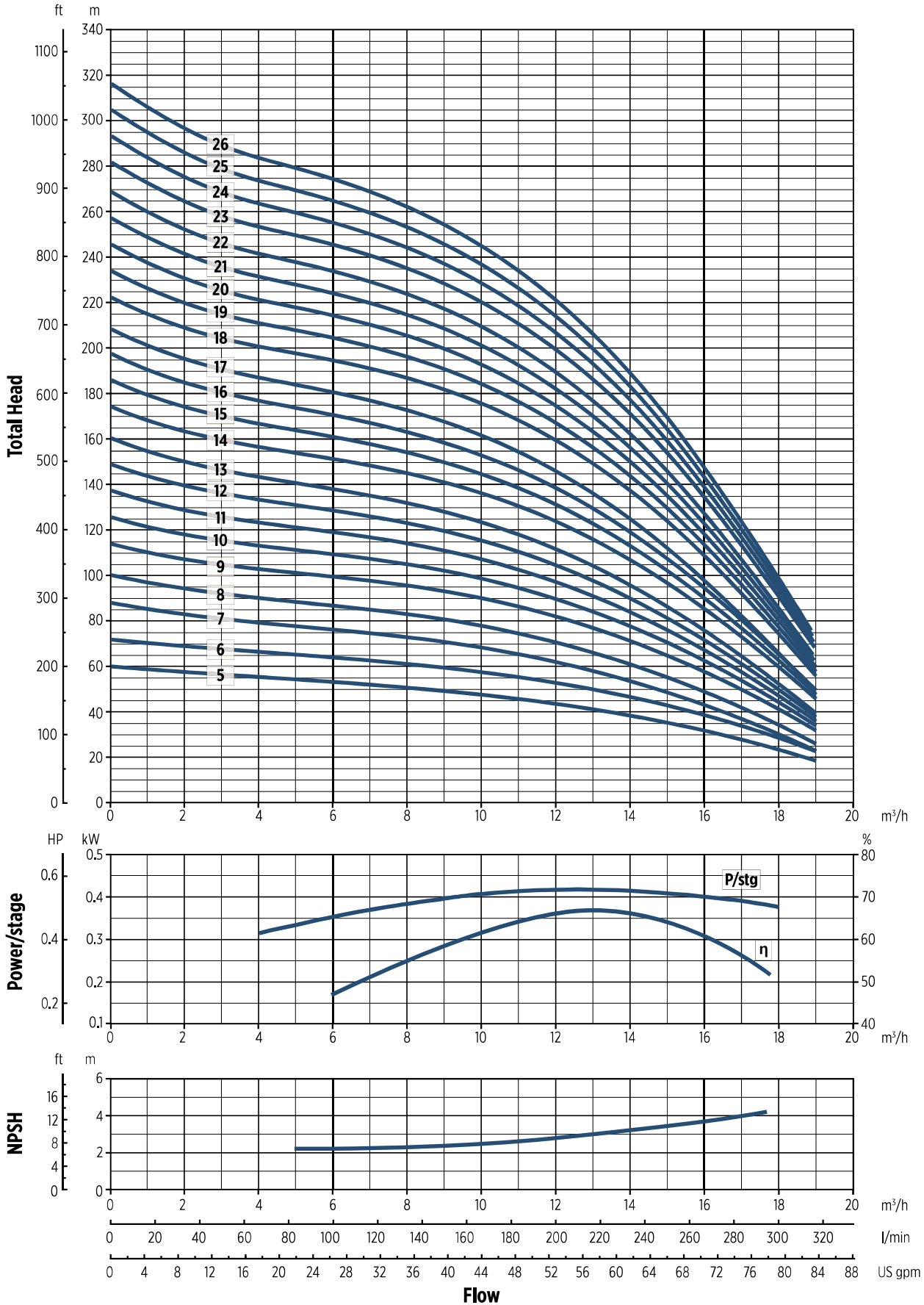
Pump model	Motor			Dimensions					Pump weight [Kg]
	Type	[kW]	[HP]	L1 [mm]	L2 [mm]	Lt [mm]	D [mm]		
							1 cable	2 cable	
VS 14/5	RW6	4	5,5	411	699	1110	147	147,5	59,5
VS 14/6	RW6	4	5,5	441	699	1140	147	147,5	60,5
VS 14/7	RW6	4	5,5	471	699	1170	147	147,5	61
VS 14/8	RW6	4	5,5	501	699	1200	147	147,5	62
VS 14/9	RW6	5,5	7,5	531	699	1230	147	147,5	62,5
VS 14/10	RW6	5,5	7,5	561	699	1260	147	147,5	63
VS 14/11	RW6	5,5	7,5	591	699	1290	147	147,5	64
VS 14/12	RW6	5,5	7,5	621	699	1320	147	147,5	65
VS 14/13	RW6	5,5	7,5	651	699	1350	147	147,5	65,5
VS 14/14	RW6	7,5	10	681	719	1400	147	147,5	68,5
VS 14/15	RW6	7,5	10	711	719	1430	147	147,5	69
VS 14/16	RW6	7,5	10	741	719	1460	147	147,5	70
VS 14/17	RW6	7,5	10	771	719	1490	147	147,5	70,5
VS 14/18	RW6	9,3	12,5	801	749	1550	147	147,5	74,5
VS 14/19	RW6	9,3	12,5	831	749	1580	147	147,5	75
VS 14/20	RW6	9,3	12,5	861	749	1610	147	147,5	76
VS 14/21	RW6	9,3	12,5	891	749	1640	147	147,5	76,5
VS 14/22	RW6	9,3	12,5	921	749	1670	147	147,5	77
VS 14/23	RW6	11	15	951	699	1650	147	147,5	81
VS 14/24	RW6	11	15	981	719	1700	147	147,5	81,5
VS 14/25	RW6	11	15	1011	749	1760	147	147,5	82,5
VS 14/26	RW6	11	15	1041	779	1820	147	147,5	83



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# PERFORMANCE CURVES AT 50 Hz

MEI ≥ 0,40



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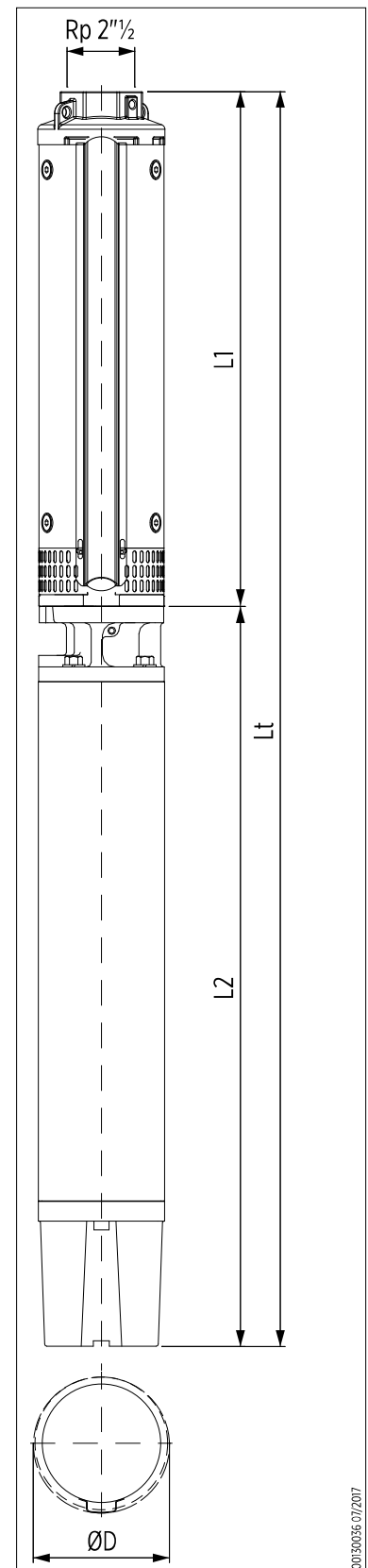
# VS 14 50 Hz

## 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 14/27	E6	15	20	1071	776	1847	143	144.5	85.5
VS 14/28	E6	15	20	1101	776	1877	143	144.5	85.5
VS 14/29	E6	15	20	1131	776	1907	143	144.5	87
VS 14/30	E6	15	20	1161	776	1937	143	144.5	87.5
VS 14/31	E6	15	20	1191	776	1967	143	144.5	87.5
VS 14/32	E6	15	20	1220.5	776	1996.5	143	144.5	88
VS 14/33	E6	15	20	1250.5	776	2026.5	143	144.5	89
VS 14/34	E6	15	20	1280.5	776	2056.5	143	144.5	90
VS 14/35	E6	15	20	1310.5	776	2086.5	143	144.5	90.5
VS 14/36	E6	15	20	1340.5	776	2116.5	143	144.5	91
VS 14/37	E6	18.5	25	1370.5	841.5	2212	143	144.5	99
VS 14/38	E6	18.5	25	1400.5	841.5	2242	143	144.5	99.5
VS 14/39	E6	18.5	25	1430.5	841.5	2272	143	144.5	101
VS 14/40	E6	18.5	25	1460.5	841.5	2302	143	144.5	102
VS 14/41	E6	18.5	25	1490.5	841.5	2332	143	144.5	102.5
VS 14/42	E6	18.5	25	1520.5	841.5	2362	143	144.5	102.5
VS 14/43	E6	18.5	25	1550.5	841.5	2392	143	144.5	103.5
VS 14/44	E6	18.5	25	1580.5	841.5	2422	143	144.5	104
VS 14/45	E6	22	30	1610.5	906.5	2517	143	144.5	111
VS 14/46	E6	22	30	1640.5	906.5	2547	143	144.5	111.5
VS 14/47	E6	22	30	1670.5	906.5	2577	143	144.5	112.5
VS 14/48	E6	22	30	1700	906.5	2606.5	143	144.5	113.5
VS 14/49	E6	22	30	1730.5	906.5	2637	143	144.5	114.5

## TECHNICAL DATA - PUMPS WITH REWINDABLE MOTOR

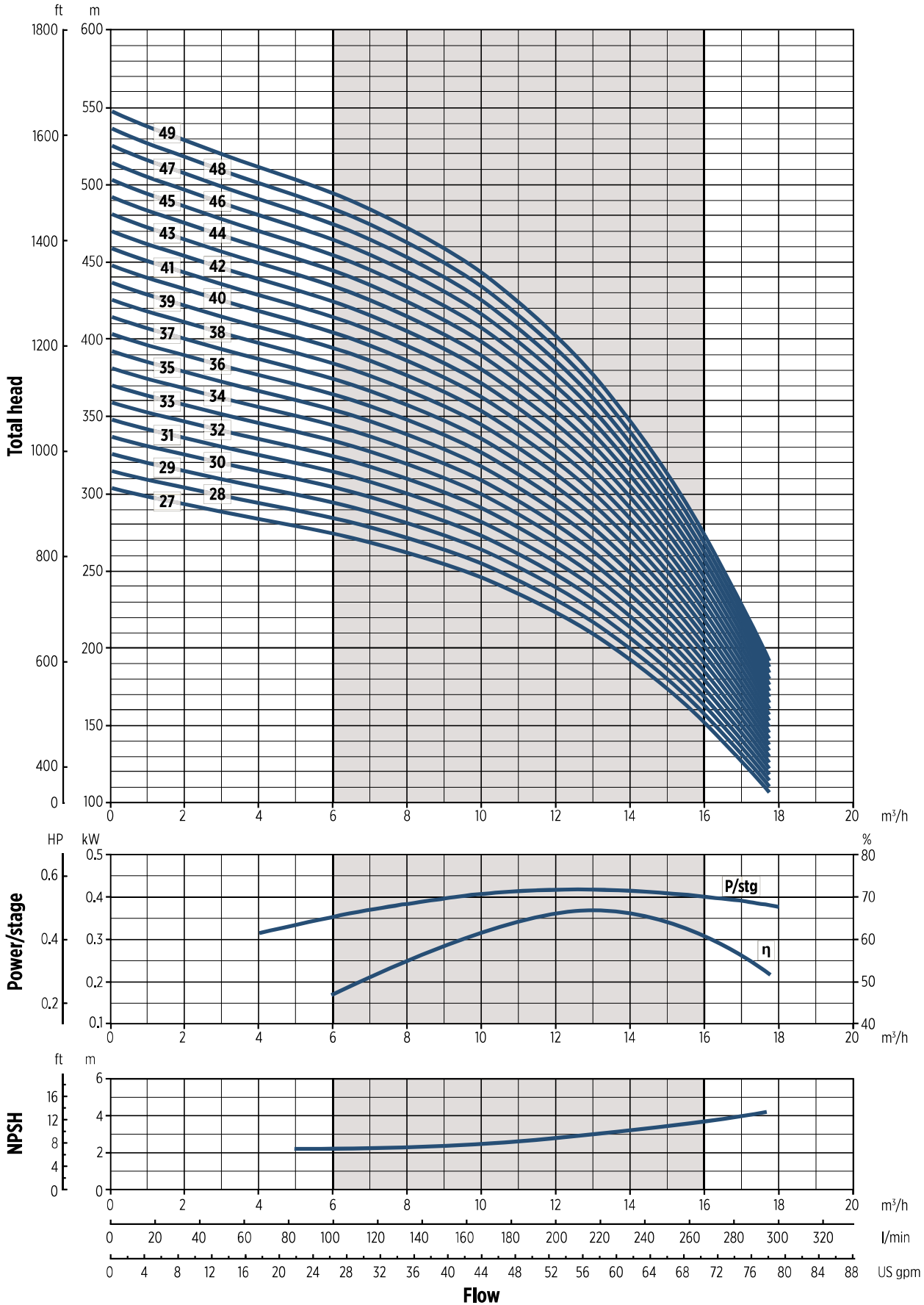
Pump model	Motor			Dimensions					Pump weight [Kg]
	Type	[kW]	[HP]	L1 [mm]	L2 [mm]	Lt [mm]	D [mm]		
							1 cable	2 cable	
VS 14/27	RW6	13	17.5	1071	829	1900	147	147.5	90
VS 14/28	RW6	13	17.5	1101	829	1930	147	147.5	90
VS 14/29	RW6	13	17.5	1131	829	1960	147	147.5	91.5
VS 14/30	RW6	13	17.5	1161	829	1990	147	147.5	92
VS 14/31	RW6	13	17.5	1191	829	2020	147	147.5	92
VS 14/32	RW6	15	20	1220.5	874	2094.5	147	147.5	97.5
VS 14/33	RW6	15	20	1250.5	874	2124.5	147	147.5	98.5
VS 14/34	RW6	15	20	1280.5	874	2154.5	147	147.5	99.5
VS 14/35	RW6	15	20	1310.5	874	2184.5	147	147.5	100
VS 14/36	RW6	15	20	1340.5	874	2214.5	147	147.5	100.5
VS 14/37	RW6	18.5	25	1370.5	919	2289.5	147	147.5	105.5
VS 14/38	RW6	18.5	25	1400.5	919	2319.5	147	147.5	106
VS 14/39	RW6	18.5	25	1430.5	919	2349.5	147	147.5	107.5
VS 14/40	RW6	18.5	25	1460.5	919	2379.5	147	147.5	108.5
VS 14/41	RW6	18.5	25	1490.5	919	2409.5	147	147.5	109
VS 14/42	RW6	18.5	25	1520.5	919	2439.5	147	147.5	109
VS 14/43	RW6	18.5	25	1550.5	919	2469.5	147	147.5	110
VS 14/44	RW6	18.5	25	1580.5	919	2499.5	147	147.5	110.5
VS 14/45	RW6	22	30	1610.5	1009	2619.5	147	147.5	120.5
VS 14/46	RW6	22	30	1640.5	1009	2649.5	147	147.5	121
VS 14/47	RW6	22	30	1670.5	1009	2679.5	147	147.5	122
VS 14/48	RW6	22	30	1700	1009	2709	147	147.5	123
VS 14/49	RW6	22	30	1730.5	1009	2739.5	147	147.5	124



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# PERFORMANCE CURVES AT 50 Hz

MEI ≥ 0,40



00206GEN/08/2017

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

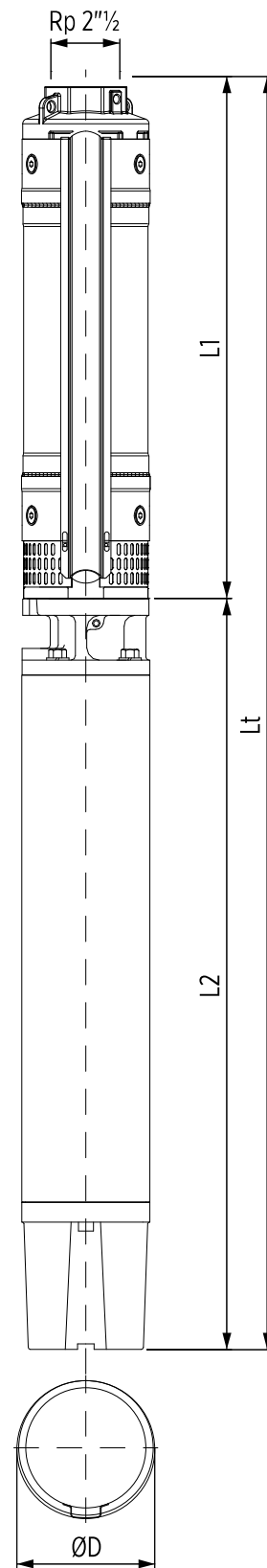
# VS 14 High Pressure 50 Hz

## 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 14/50	E6	22	30	1760.5	906.5	2667	145	146.5	115.5
VS 14/51	E6	22	30	1790.5	906.5	2697	145	146.5	116.5
VS 14/52	E6	22	30	1820.5	906.5	2727	145	146.5	117.5
VS 14/53	E6	30	40	1850.5	1036.5	2887	145	146.5	133
VS 14/54	E6	30	40	1880.5	1036.5	2917	145	146.5	133.5
VS 14/55	E6	30	40	1910.5	1036.5	2947	145	146.5	134.5
VS 14/56	E6	30	40	1940.5	1036.5	2977	145	146.5	135.5
VS 14/57	E6	30	40	1970.5	1036.5	3007	145	146.5	136
VS 14/58	E6	30	40	2000	1036.5	3036.5	145	146.5	137
VS 14/59	E6	30	40	2030	1036.5	3066.5	145	146.5	138
VS 14/60	E6	30	40	2060	1036.5	3096.5	145	146.5	139
VS 14/61	E6	30	40	2090	1036.5	3126.5	145	146.5	140

## TECHNICAL DATA - PUMPS WITH REWINDABLE MOTOR

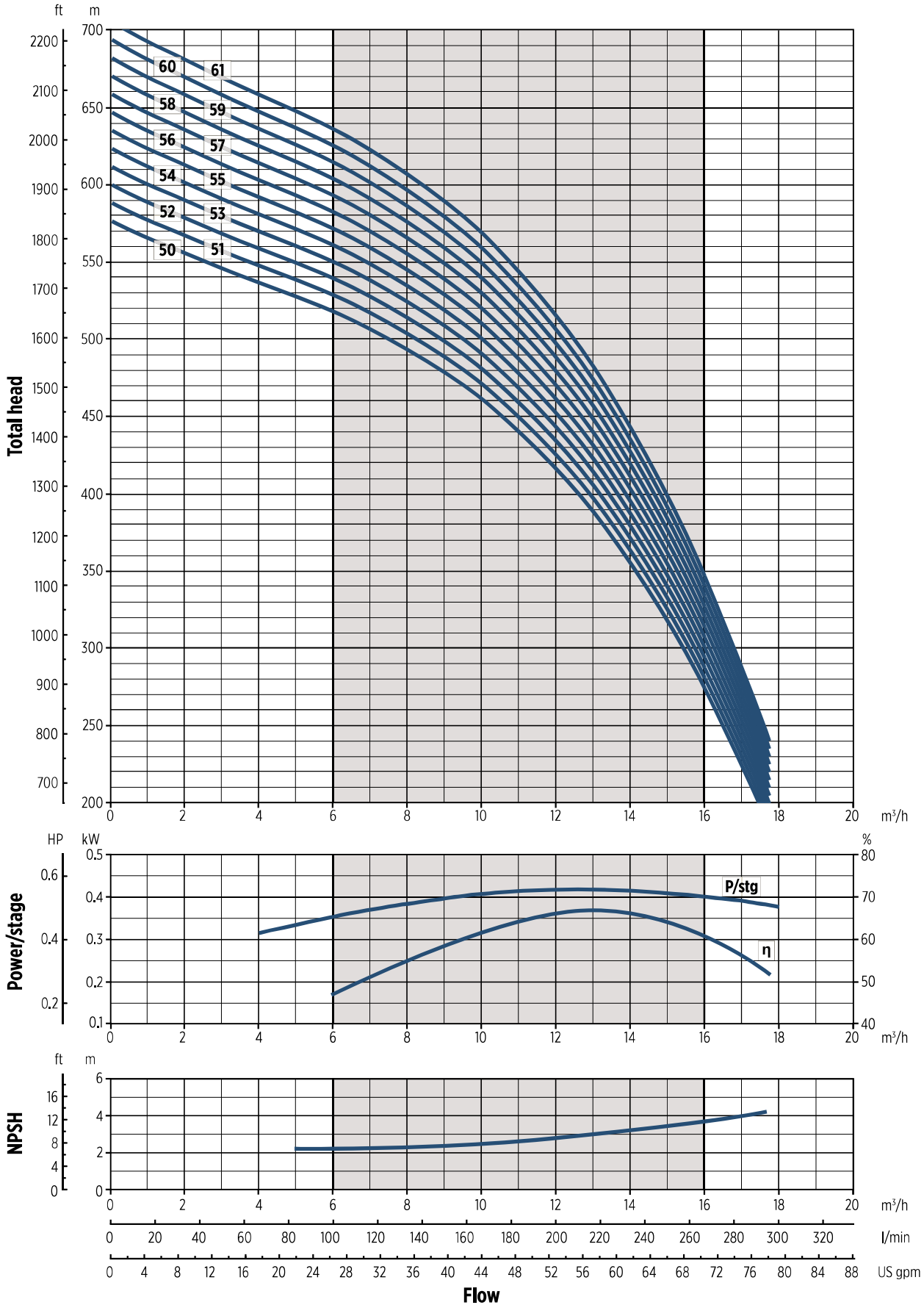
Pump model	Motor			Dimensions					Pump weight [Kg]
	Type	[kW]	[HP]	L1 [mm]	L2 [mm]	Lt [mm]	D [mm]		
							1 cable	2 cable	
VS 14/50	RW6	22	30	1760.5	1009	2769.5	149	149.5	125
VS 14/51	RW6	22	30	1790.5	1009	2799.5	149	149.5	126
VS 14/52	RW6	22	30	1820.5	1009	2829.5	149	149.5	127
VS 14/53	RW6	26	35	1850.5	1114	2964.5	149	149.5	139
VS 14/54	RW6	26	35	1880.5	1114	2994.5	149	149.5	139.5
VS 14/55	RW6	26	35	1910.5	1114	3024.5	149	149.5	140.5
VS 14/56	RW6	26	35	1940.5	1114	3054.5	149	149.5	141.5
VS 14/57	RW6	26	35	1970.5	1114	3084.5	149	149.5	142
VS 14/58	RW6	26	35	2000	1114	3114	149	149.5	143
VS 14/59	RW6	26	35	2030	1114	3144	149	149.5	144
VS 14/60	RW6	26	35	2060	1114	3174	149	149.5	145
VS 14/61	RW6	26	35	2090	1114	3204	149	149.5	146



00130037 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