

# VS 78

TABLE OF HYDRAULIC PERFORMANCE AT 50 HZ

Pump model	R Vers.	RATED POWER		Q = DELIVERY										
				m <sup>3</sup> /h 0	30	40	50	60	70	80	90	100	110	120
				l/min 0	500	666	833	1000	1166	1333	1500	1666	1833	2000
[kW]		[HP]		H = TOTAL HEAD METERS COLUMN OF WATER [m]										
VS 78/2		7.5	10	40	38	35	32	30	29	24	20	18		
VS 78/3		11	15	60	55	51	49	45	41	36	30	24		
VS 78/4		15	20	80	74	70	65	60	55	49	41	32		
VS 78/5		18.5	25	99	92	88	81	75	69	60	51	41		
VS 78/6	●	22	30	119	110	104	98	89	81	71	60	49		
VS 78/7	●	30	40	139	130	122	114	105	96	85	72	58		
VS 78/8	●	30	40	159	149	140	131	120	110	98	82	67		
VS 78/9	●	30	40	180	168	158	147	135	123	110	92	73		
VS 78/10	●	37	50	197	183	172	160	148	134	119	100	79		
VS 78/11	●	37	50	216	202	190	176	162	148	130	110	87		
VS 78/12	●	45	60	248	232	219	205	189	172	153	131	106		
VS 78/13	●	55	75	269	252	237	221	205	188	168	142	115		
VS 78/14	●	55	75	289	271	256	239	220	201	180	153	123		
VS 78/15	●	55	75	309	290	274	255	235	215	192	165	132		
VS 78/16	●	75	100	332	311	294	275	252	231	208	177	143		
VS 78/17	●	75	100	352	330	312	291	269	246	220	188	151		
VS 78/18	●	75	100	373	350	330	309	284	260	232	198	161		
VS 78/19	●	75	100	394	370	348	325	300	275	245	210	170		
VS 78/20	●	75	100	415	389	368	343	316	290	259	220	179		
VS 78/21	●	75	100	436	409	385	360	331	304	271	231	189		
VS 78/22	●	93	125	457	428	404	378	347	320	284	243	198		
VS 78/23	●	93	125	478	446	421	394	362	332	297	254	207		
VS 78/24	●	93	125	498	467	440	411	379	348	310	265	216		

● = Pump available in R (AISI 904L) version

# VS 97

TABLE OF HYDRAULIC PERFORMANCE AT 50 Hz

Pump model	R Vers.	RATED POWER		Q = DELIVERY										
				m <sup>3</sup> /h 0	30	40	50	60	70	80	90	100	110	120
				l/min 0	500	666	833	1000	1166	1333	1500	1666	1833	2000
[kW]		[HP]		H = TOTAL HEAD METERS COLUMN OF WATER [m]										
VS 97/2		9.3	12.5	42	41	39	36	32	30	29	26	22	19	15
VS 97/3		15	20	63	60	58	53	49	45	42	39	33	29	21
VS 97/4		18.5	25	84	81	77	71	65	60	57	51	45	38	30
VS 97/5	●	22	30	104	101	95	88	80	74	69.5	62	55	46	37
VS 97/6	●	30	40	127	122	115	107	98	90	84	77	68	57	46
VS 97/7	●	30	40	148	143	135	123	115	106	99	90	79	68	52
VS 97/8	●	37	50	168	160	151	140	130	120	110	100	88.5	74	59
VS 97/9	●	37	50	188	180	170	158	147	133	124	113	99	83	66
VS 97/10	●	45	60	219	211	200	185	172	159	148	137	120	103	82
VS 97/11	●	55	75	241	232	220	204	189	175	162	149	132	113	91
VS 97/12	●	55	75	262	253	240	221	207	191	178	162	143	123	99
VS 97/13	●	55	75	284	275	260	241	223	207	191	177	155	132	108
VS 97/14	●	75	100	309	297	282	261	242	226	209	191	169	145	121
VS 97/15	●	75	100	330	319	303	280	260	240	222	205	181	155	130
VS 97/16	●	75	100	352	340	322	299	279	258	238	220	194	165	139
VS 97/17	●	75	100	373	361	342	319	294	272	252	232	207	176	147
VS 97/18	●	93	125	398	382	363	337	313	289	268	247	219	188	155
VS 97/19	●	93	125	419	403	382	354	330	305	282	260	230	197	164
VS 97/20	●	93	125	440	423	404	372	347	320	298	273	241	208	171
VS 97/21	●	93	125	462	445	422	391	363	337	312	289	255	219	171
VS 97/22		110	150	484	466	442	410	381	353	328	301	267	229	190
VS 97/23		110	150	507	487	463	430	399	370	341	315	279	239	199

● = Pump available in R (AISI 904L) version

# VS 78 50 Hz

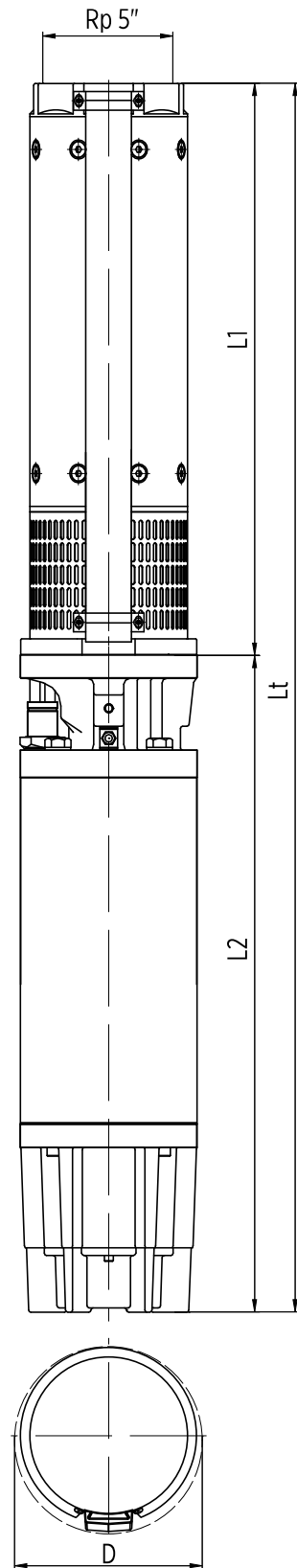
## TECHNICAL DATA - PUMPS WITH ENCAPSULATED MOTOR

Pump model	Motor			Dimensions					Pump weight [Kg]
	Type	[kW]	[HP]	L1 [mm]	L2 [mm]	Lt [mm]	D [mm]		
							1 cable	2 cable	
VS 78/2	E6	7.5	10	644	646	1290	188	194	77
VS 78/3	E6	11	15	770	771	1481	188	194	87
VS 78/4	E6	15	20	896	776	1672	188	194	57
VS 78/5	E6	18.5	25	1022	841.5	1863.5	188	194	109
VS 78/6	E6	22	30	1148	906.5	2054.5	188	194	120
VS 78/7	E6	30	40	1274	1036.5	2310.5	188	194	140
VS 78/8	E6	30	40	1400	1036.5	2436.5	188	194	145
VS 78/9	E6	30	40	1526	1036.5	2562.5	188	194	150
VS 78/10	E6	37	50	1652	1405	3057	188	194	206
VS 78/11	E6	37	50	1778	1405	3183	188	194	211
VS 78/12	E8	45	60	1909	1077	2986	200	202	254
VS 78/13	E8	55	75	2035	1394	3429	200	202	259
VS 78/14	E8	55	75	2161	1394	3555	200	202	294
VS 78/15	E8	55	75	2287	1394	3681	200	202	299
VS 78/16	E8	75	100	2413	1496	3909	200	202	342
VS 78/17	E8	75	100	2539	1496	4035	200	202	347
VS 78/18	E8	75	100	2665	1496	4161	200	202	352
VS 78/19	E8	75	100	2791	1496	4287	200	202	357
VS 78/20	E8	75	100	2917	1496	4413	200	202	361
VS 78/21	E8	75	100	3043	1496	4539	200	202	366
VS 78/22	E8	93	125	3169	1748	4917	200	202	449
VS 78/23	E8	93	125	3295	1748	5043	200	202	454
VS 78/24	E8	93	125	3421	1748	5169	200	202	459

## TECHNICAL DATA - PUMPS WITH REWINDABLE MOTOR

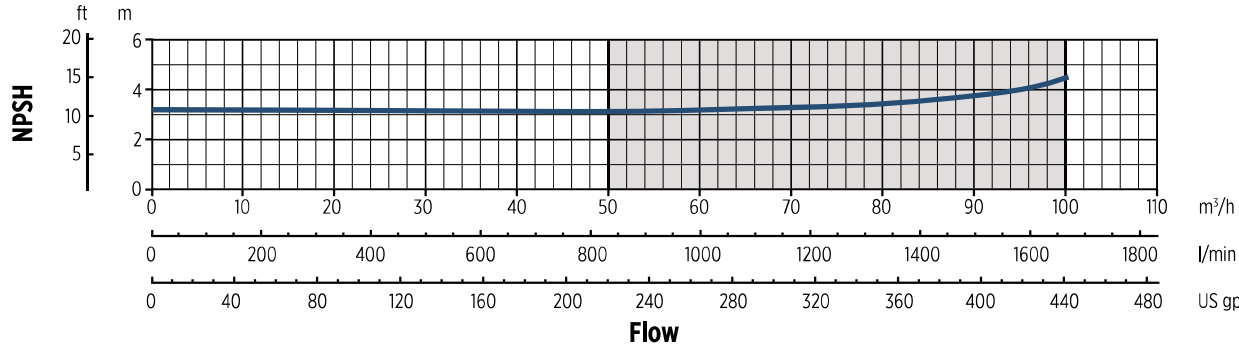
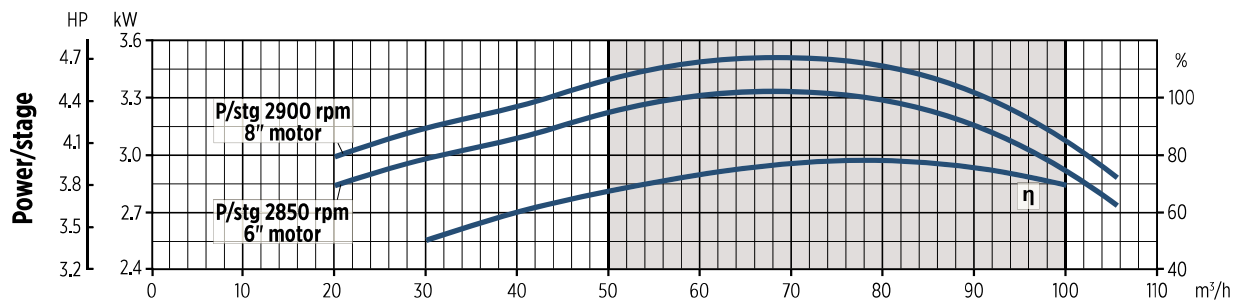
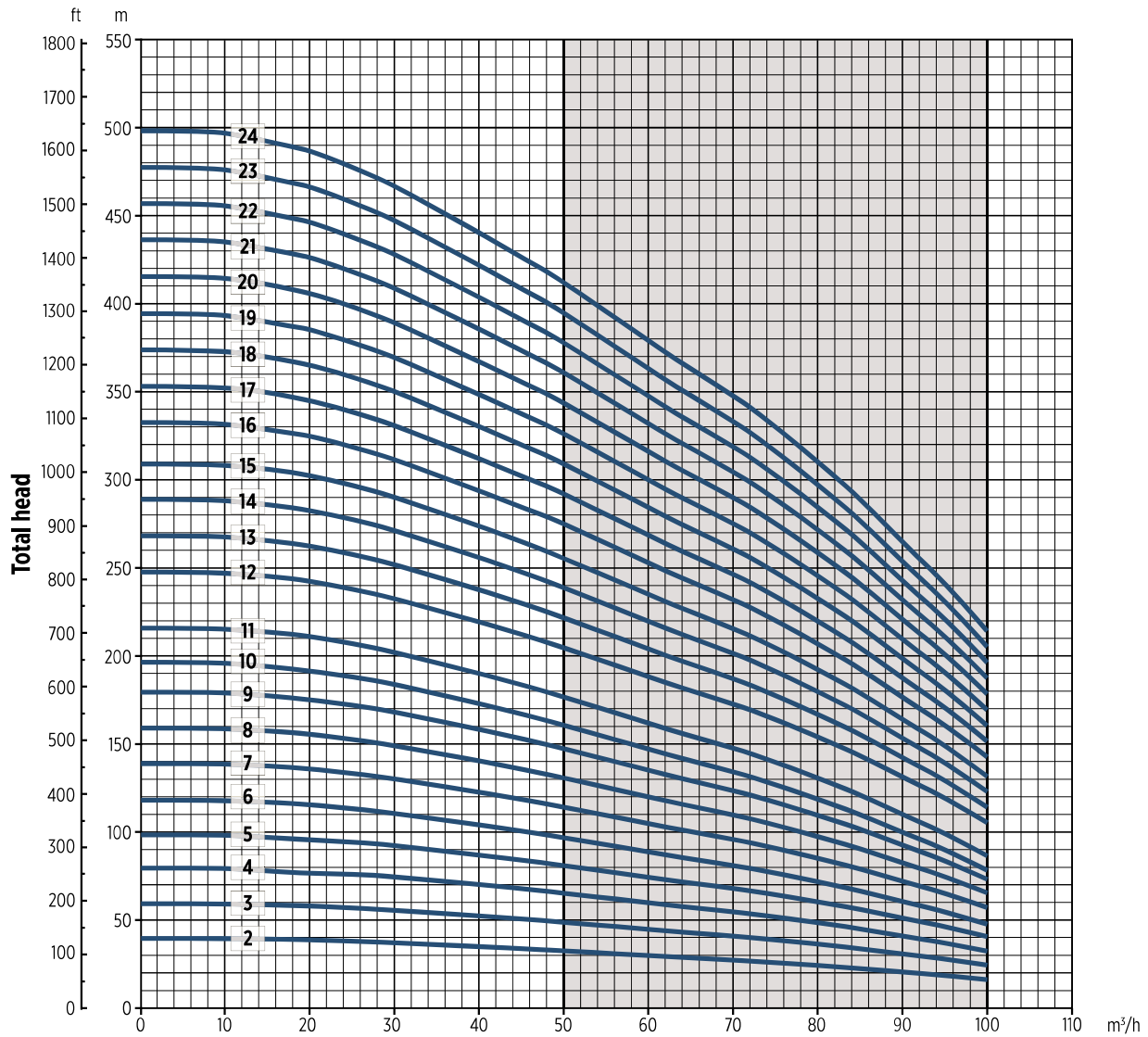
Pump model	R vers.	Motor			Dimensions					Pump weight [Kg]
		Type	[kW]	[HP]	L1 [mm]	L2 [mm]	Lt [mm]	D [mm]		
								1 cable	2 cable	
VS 78/2		6RW	7.5	10	644	719	1363	188	194	82
VS 78/3		6RW	11	15	770	779	1549	188	194	92
VS 78/4		6RW	15	20	896	874	1770	188	194	96
VS 78/5		6RW	18.5	25	1022	919	1941	188	194	116
	●	8RW	30	40	1022	1140	2162	197	199.5	190
VS 78/6		6RW	22	30	1148	1009	2157	188	194	130
	●	8RW	30	40	1148	1140	2288	197	199.5	193
VS 78/7		6RW	26	35	1274	1114	2388	188	194	146
	●	8RW	30	40	1274	1140	2288	197	199.5	198
VS 78/8		6RW	30	40	1400	1214	2614	188	194	161
	●	8RW	30	40	1400	1140	2540	197	199.5	203
VS 78/9		6RW	30	40	1526	1214	2740	188	194	166
	●	8RW	30	40	1526	1140	2666	197	199.5	208
VS 78/10		6RW	37	50	1652	1294	2946	188	194	178
	●	8RW	37	50	1652	1140	2792	197	199.5	213
VS 78/11		6RW	37	50	1778	1294	3072	188	194	183
	●	8RW	37	50	1778	1140	2918	197	199.5	218
VS 78/12		6RW	45	60	1909	1230	3139	197	199.5	238
	●	8RW	45	60	1909	1230	3139	197	199.5	238
VS 78/13		6RW	52	70	2035	1340	3375	197	199.5	266
	●	8RW	52	70	2035	1340	3375	197	199.5	266
VS 78/14		6RW	52	70	2161	1340	3501	197	199.5	271
	●	8RW	52	70	2161	1340	3501	197	199.5	271
VS 78/15		6RW	55	75	2287	1340	3627	197	199.5	276
	●	8RW	55	75	2287	1340	3627	197	199.5	276
VS 78/16		6RW	60	80	2413	1470	3883	197	199.5	300
	●	8RW	60	80	2413	1470	3883	197	199.5	300
VS 78/17		6RW	67	90	2539	1470	4009	197	199.5	305
	●	8RW	67	90	2539	1470	4009	197	199.5	305
VS 78/18		6RW	67	90	2665	1470	4135	197	199.5	310
	●	8RW	67	90	2665	1470	4135	197	199.5	310
VS 78/19		6RW	75	90	2791	1560	4351	197	199.5	332
	●	8RW	75	90	2791	1560	4351	197	199.5	332
VS 78/20		6RW	75	100	2917	1560	4477	197	199.5	336
	●	8RW	75	100	2917	1560	4477	197	199.5	336
VS 78/21		6RW	75	100	3043	1560	4603	197	199.5	341
	●	8RW	75	100	3043	1560	4603	197	199.5	341
VS 78/22		6RW	83	110	3169	1560	4729	197	199.5	378
	●	8RW	83	110	3169	1560	4729	197	199.5	378
VS 78/23		6RW	83	110	3295	1560	4855	197	199.5	383
	●	8RW	83	110	3295	1560	4855	197	199.5	383
VS 78/24		6RW	93	125	3421	1740	5161	197	199.5	388
	●	8RW	93	125	3421	1740	5161	197	199.5	388

● = Pump available in R (AISI 904L) version



00130060 09/2017

# PERFORMANCE CURVES AT 50 Hz



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