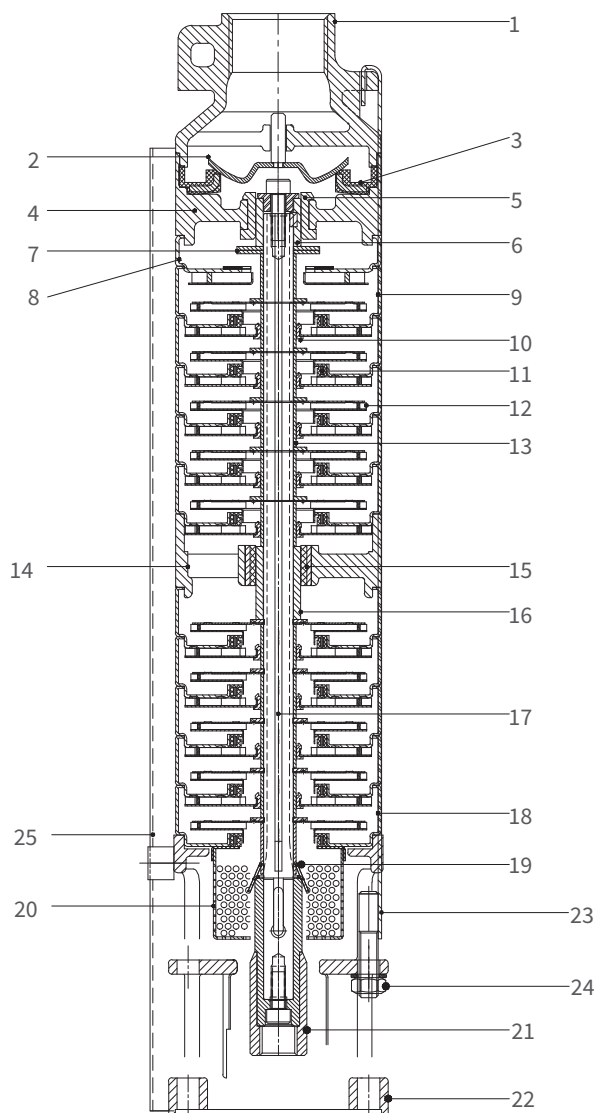


4VP 3 SERIES PUMP DESIGN

Material Specification

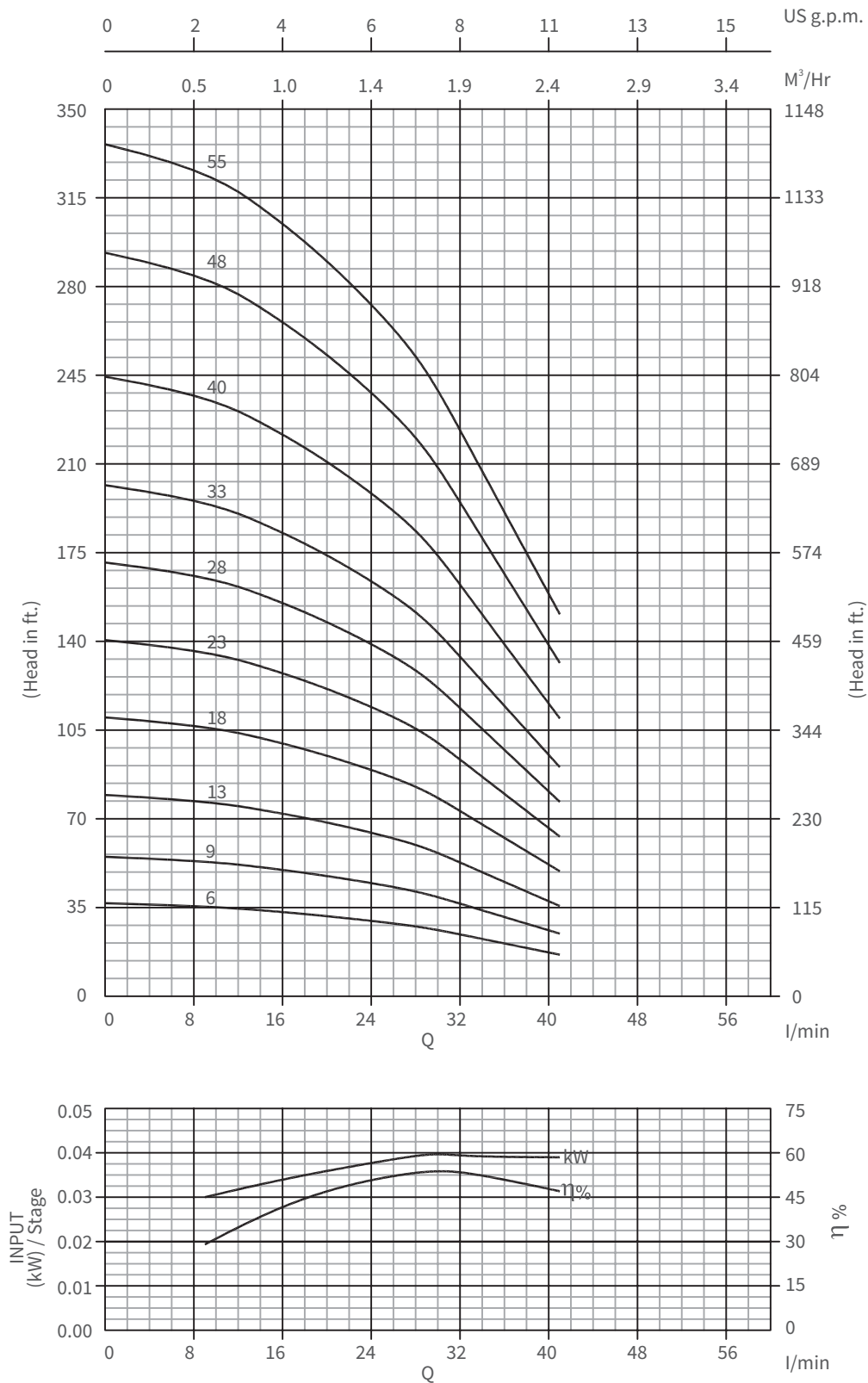
No.	PART NAME	MATERIAL
1	N.R.V. 1.25"	S.S.304
2	VALVE	S.S.304
3	VALVE SEAT	N.B.R.
4	TOP BEARING HOUSING	S.S.304
5	TOP BEARING HOUSING BUSH	N.B.R.
6	TOP BEARING HOUSING SLEEVE	S.S.304
7	THRUST WASHER	S.S.304
8	TOP DIFFUSER	S.S.304
9	DIFFUSER	S.S.304
10	BEARING BUSH	N.B.R.
11	NECKRING	N.B.R. + P.P.S.
12	IMPELLER	S.S.304
13	STAGE SLEEVE	S.S.304
14	MIDDLE BEARING HOUSING	S.S.304
15	MIDDLE BEARING HOUSING BUSH	N.B.R. + S.S.304
16	MIDDLE BEARING HOUSING SLEEVE	S.S.304
17	PUMP SHAFT	S.S.431
18	FIRST STAGE DIFFUSER	S.S.304
19	PRIMING SCREW	S.S.304
20	STRAINER	S.S.304
21	NEMA COUPLING	S.S.304
22	SUCTION INTERCONNECTOR	S.S.304
23	CLAMPING STRIP	S.S.304
24	HEX NUT	S.S.316
25	CABLE GUARD	S.S.304



Performance Curves

4VP 3, 50Hz

ISO 9906 Annexure A



Performance Chart

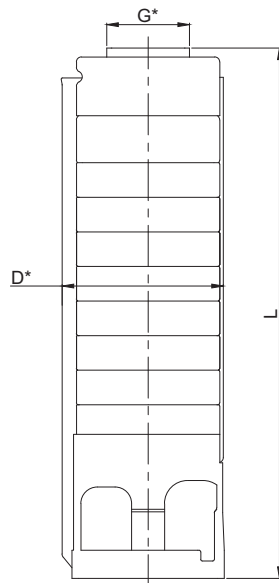
4VP 3, 50Hz

ISO 9906 Annexure A

Model Name		Stage	Rating		l/min m ³ /h	Discharge							
Single Phase	Three Phase		kW	HP		0	9	14	20	27	30	33	41
						0	0.54	0.84	1.20	1.62	1.80	1.98	2.46

4VP 3-06	4VP 3-06	6	0.37	0.50	HEAD IN Mtrs.	37	36	34	32	28	26	23	16
4VP 3-09	4VP 3-09	8	0.37	0.50		55	53	51	48	42	39	35	25
4VP 3-13	4VP 3-13	13	0.55	0.75		79	77	74	69	61	57	51	36
4VP 3-18	4VP 3-18	18	0.75	1.00		110	107	102	95	85	78	70	49
4VP 3-23	4VP 3-23	23	1.10	1.50		141	137	130	122	109	100	90	63
4VP 3-28	4VP 3-28	28	1.50	2.00		171	166	159	148	132	122	109	77
4VP 3-33	4VP 3-33	33	1.50	2.00		202	196	187	175	156	144	129	90
4VP 3-40	4VP 3-40	40	2.20	3.00		244	238	227	212	189	174	156	110
4VP 3-48	4VP 3-48	48	2.20	3.00		293	285	272	254	227	209	188	132
	4VP 3-55	55	3.00	4.00		336	327	312	291	260	240	215	151

Dimensions & Weights



Model Name	Specification			
	D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
4VP 3 - 06	98.5	280	3.2	3.8
4VP 3 - 09	98.5	343	4.2	5.1
4VP 3 - 13	98.5	427	5.4	6.7
4VP 3 - 18	98.5	532	7.2	9.0
4VP 3 - 23	98.5	668	8.9	11.2
4VP 3 - 28	98.5	773	10.6	13.4
4VP 3 - 33	98.5	878	12.2	15.5
4VP 3 - 40	98.5	1097	13.0	17.0
4VP 3 - 48	98.5	1296	14.6	19.4
4VP 3 - 55	99.5	1443	16.2	21.7

*G: Available Outlet Size 1.25" BSP

*D: With Cable Guard

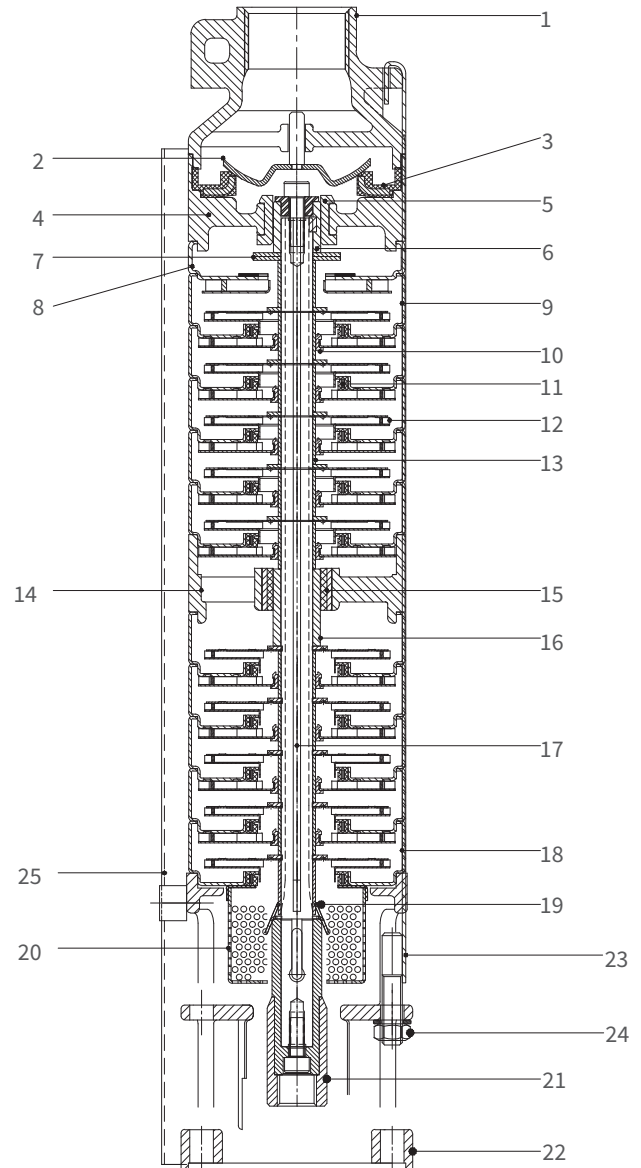
4VP 3-75 and 4VP 4-90 pump available in 4" Joining mounted sleeve.

Stainless Steel Submersible Pumps

4VP 4 SERIES PUMP DESIGN

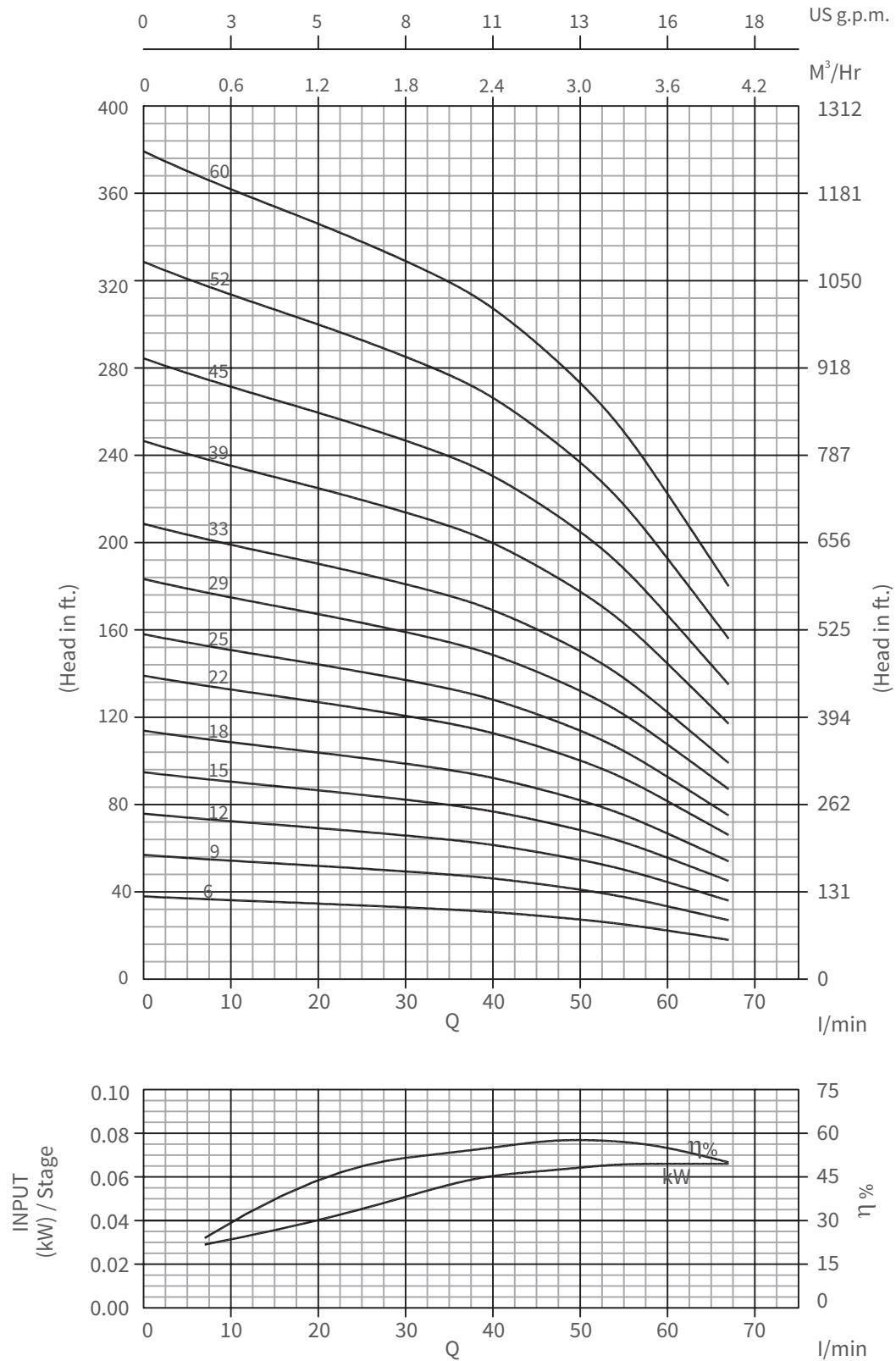
Material Specification

No.	PART NAME	MATERIAL
1	N.R.V. 1.25"	S.S.304
2	VALVE	S.S.304
3	VALVE SEAT	N.B.R.
4	TOP BEARING HOUSING	S.S.304
5	TOP BEARING HOUSING BUSH	N.B.R.
6	TOP BEARING HOUSING SLEEVE	S.S.304
7	THRUST WASHER	S.S.304
8	TOP DIFFUSER	S.S.304
9	DIFFUSER	S.S.304
10	BEARING BUSH	N.B.R.
11	NECKRING	N.B.R. + P.P.S.
12	IMPELLER	S.S.304
13	STAGE SLEEVE	S.S.304
14	MIDDLE BEARING HOUSING	S.S.304
15	MIDDLE BEARING HOUSING BUSH	N.B.R. + S.S.304
16	MIDDLE BEARING HOUSING SLEEVE	S.S.304
17	PUMP SHAFT	S.S.431
18	FIRST STAGE DIFFUSER	S.S.304
19	PRIMING SCREW	S.S.304
20	STRAINER	S.S.304
21	NEMA COUPLING	S.S.304
22	SUCTION INTERCONNECTOR	S.S.304
23	CLAMPING STRIP	S.S.304
24	HEX NUT	S.S.316
25	CABLE GUARD	S.S.304



Performance Curves

4VP 4, 50Hz ISO 9906 Annexure A



Performance Chart

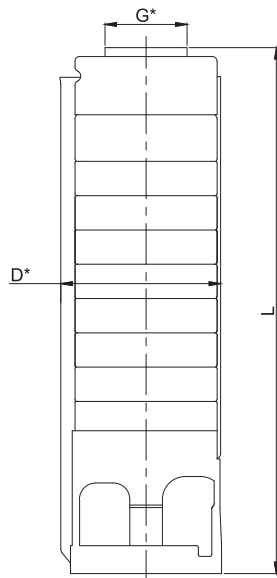
4VP 4, 50Hz

ISO 9906 Annexure A

Model Name		Stage	Rating			Discharge									
Single Phase	Three Phase		kW	HP		l/min	0	7	20	34	40	47	54	60	67
						m ³ /h	0	0.42	1.20	2.04	2.40	2.82	3.24	3.60	4.02

4VP 4-06	4VP 4-06	06	0.37	0.50	HEAD IN Mtrs.	38	37	35	32	31	28	26	22	18
4VP 4-09	4VP 4-09	09	0.55	0.75		57	55	52	48	46	43	39	33	17
4VP 4-12	4VP 4-12	12	0.75	1.00		76	73	69	64	62	57	52	45	36
4VP 4-15	4VP 4-15	15	1.10	1.50		95	92	87	81	77	71	64	56	45
4VP 4-18	4VP 4-18	18	1.10	1.50		114	110	104	97	93	86	77	67	54
4VP 4-22	4VP 4-22	22	1.50	2.00		139	134	127	118	113	104	95	82	66
4VP 4-25	4VP 4-25	25	1.50	2.00		158	152	144	134	128	119	108	93	75
4VP 4-29	4VP 4-29	29	2.20	3.00		183	177	168	156	149	138	125	108	87
4VP 4-33	4VP 4-33	33	2.20	3.00		209	201	191	177	170	157	142	122	99
	4VP 4-39	39	3.00	4.00		246	238	225	209	200	185	168	145	117
	4VP 4-45	45	3.00	4.00		284	274	260	242	231	214	194	167	135
	4VP 4-52	52	4.00	5.50		329	317	301	279	267	247	224	193	156
	4VP 4-60	60	4.00	5.50		379	366	347	322	308	285	258	223	180

Dimensions & Weights



Model Name	Specification			
	D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
4VP 4 - 06	98.5	280	3.4	4.0
4VP 4 - 09	98.5	343	4.4	5.3
4VP 4 - 12	98.5	406	5.4	6.6
4VP 4 - 15	98.5	469	6.4	7.9
4VP 4 - 18	98.5	532	7.4	9.2
4VP 4 - 22	98.5	647	8.7	10.9
4VP 4 - 25	98.5	710	9.7	12.2
4VP 4 - 29	98.5	794	10.9	13.8
4VP 4 - 33	98.5	878	12.2	15.5
4VP 4 - 39	98.5	1076	12.7	16.6
4VP 4 - 45	98.5	1233	14.0	18.5
4VP 4 - 52	98.5	1380	15.5	20.7
4VP 4 - 60	98.5	1548	17.3	23.3

*G: Available Outlet Size 1.25" BSP

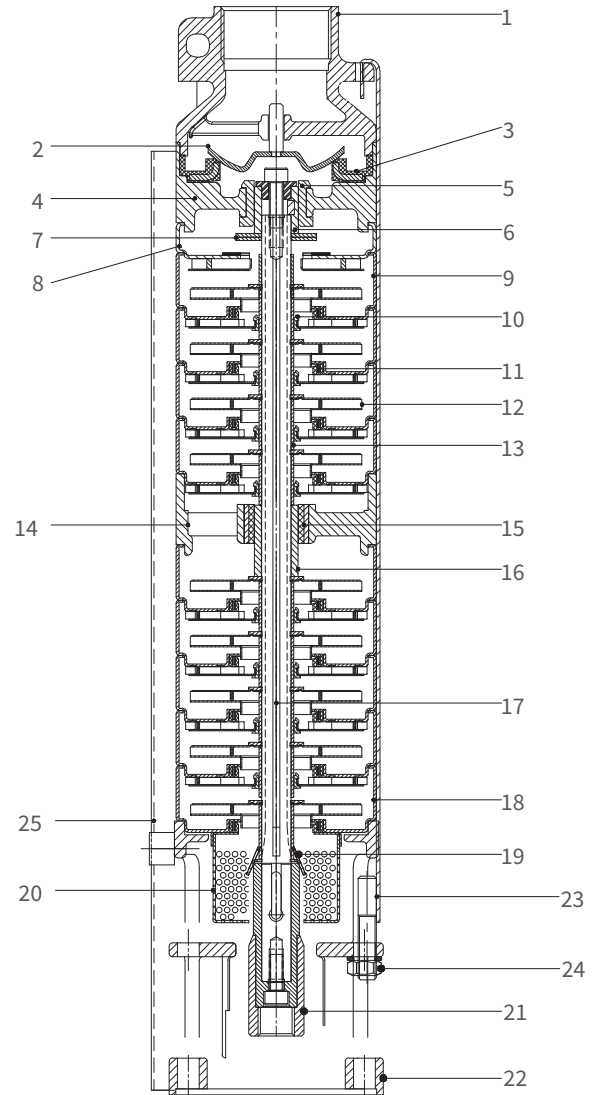
*D: With Cable Guard

Stainless Steel Submersible Pumps

4VP 6 SERIES PUMP DESIGN

Material Specification

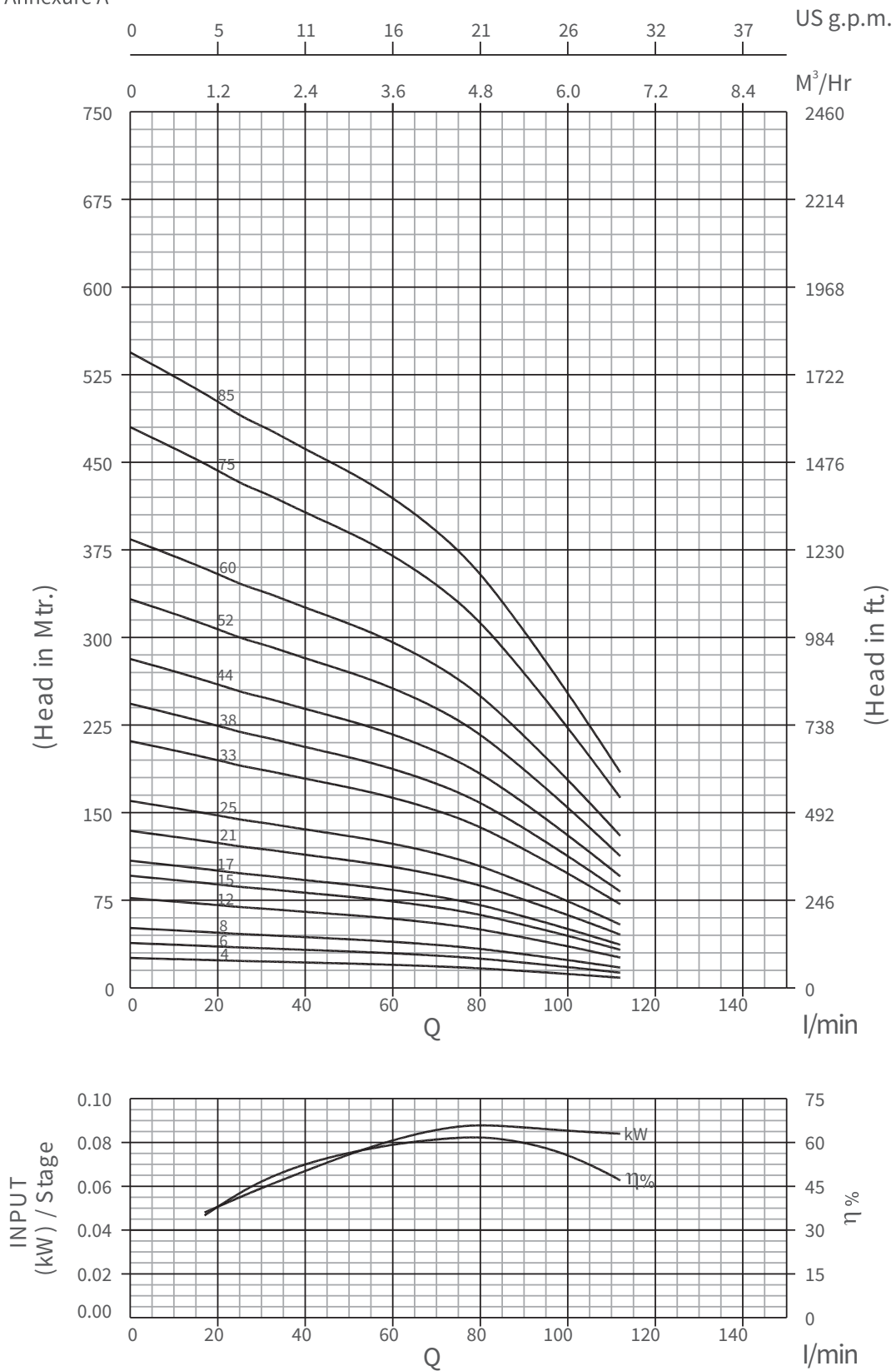
No.	PART NAME	MATERIAL
1	N.R.V. 1.5"	S.S.304
2	VALVE	S.S.304
3	VALVE SEAT	N.B.R.
4	TOP BEARING HOUSING	S.S.304
5	TOP BEARING HOUSING BUSH	N.B.R.
6	TOP BEARING HOUSING SLEEVE	S.S.304
7	THRUST WASHER	S.S.304
8	TOP DIFFUSER	S.S.304
9	DIFFUSER	S.S.304
10	BEARING BUSH	N.B.R.
11	NECKRING	N.B.R. + P.P.S.
12	IMPELLER	S.S.304
13	STAGE SLEEVE	S.S.304
14	MIDDLE BEARING HOUSING	S.S.304
15	MIDDLE BEARING HOUSING BUSH	N.B.R. + S.S.304
16	MIDDLE BEARING HOUSING SLEEVE	S.S.304
17	PUMP SHAFT	S.S.431
18	FIRST STAGE DIFFUSER	S.S.304
19	PRIMING SCREW	S.S.304
20	STRAINER	S.S.304
21	NEMA COUPLING	S.S.304
22	SUCTION INTERCONNECTOR	S.S.304
23	CLAMPING STRIP	S.S.304
24	HEX NUT	S.S.316
25	CABLE GUARD	S.S.304



Performance Curves

4VP 6, 50Hz

ISO 9906 Annexure A



Performance Chart

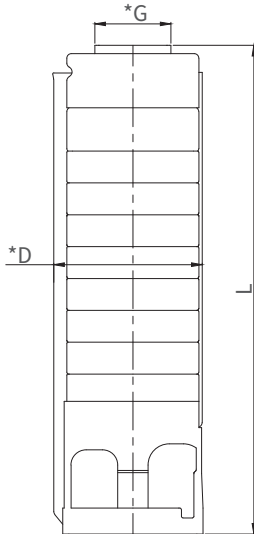
4VP 6, 50Hz

ISO 9906 Annexure A

Model Name		Stage	Rating		l/min m ³ /h	Discharge									
Single Phase	Three Phase		kW	HP		0	17	25	31	40	57	74	84	101	112
						0	1.02	1.50	1.86	2.40	3.42	4.44	5.04	6.06	6.72

Model Name	Model Name	Stage	kW	HP	HEAD IN Mtrs.	26	24	23	22.5	22	20	18	16	12	9
4VP 6-04	4VP 6-04	4	0.37	0.50		26	24	23	22.5	22	20	18	16	12	9
4VP 6-06	4VP 6-06	6	0.55	0.75		38	36	34.5	34	33	30	27	24	18	13
4VP 6-08	4VP 6-08	8	0.75	1.00		51	48	46	45	43	40	36	32	23	17
4VP 6-12	4VP 6-12	12	1.10	1.50		77	72	69	68	65	61	54	48	35	26
4VP 6-15	4VP 6-15	15	1.50	2.00		96	90	86	85	81	76	67	60	44	33
4VP 6-17	4VP 6-17	17	1.50	2.00		109	102	98	96	92	86	76	67	50	37
4VP 6-21	4VP 6-21	21	2.20	3.00		134	126	121	119	114	106	94	83	61	46
4VP 6-25	4VP 6-25	25	2.20	3.00		160	150	144	141	136	126	112	99	73	54
	4VP 6-33	33	3.00	4.00		211	198	190	186	179	167	148	131	96	72
	4VP 6-38	38	4.00	5.50		243	228	218	215	206	192	170	151	111	82
	4VP 6-44	44	4.00	5.50		282	264	253	249	238	222	197	175	128	95
	4VP 6-52	52	5.50	7.50		333	312	299	294	282	263	233	206	152	113
	4VP 6-60	60	5.50	7.50		384	360	345	339	325	303	269	238	175	130
	4VP 6-75	75	7.50	10.00		480	450	431	424	406	379	336	298	219	163
	4VP 6-85	85	7.50	10.00		544	510	489	480	461	429	381	337	248	184

Dimensions & Weights



Model Name	Specification			
	*D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
4VP 6 - 04	98	238	3.2	3.4
4VP 6 - 06	98	280	3.6	3.9
4VP 6 - 08	98	322	4.0	4.4
4VP 6 - 12	98	406	5.6	6.2
4VP 6 - 15	98	469	6.6	7.4
4VP 6 - 17	98	511	7.0	7.9
4VP 6 - 21	98	626	8.4	9.5
4VP 6 - 25	98	710	9.7	11.0
4VP 6 - 33	98	878	12.5	14.2
4VP 6 - 38	98	1169	13.0	14.7
4VP 6 - 44	98	1344	14.0	16.0
4VP 6 - 52	98	1536	16.3	18.6
4VP 6 - 60	98	1728	18.6	21.3
4VP 6 - 52	119	1628	25.0	27.3
4VP 6 - 60	119	1820	27.0	29.4
4VP 6 - 75	138	2423	43.5	46.1
4VP 6 - 85	138	2694	47.5	50.5

*G: Available Outlet Size 1.5" BSP

*D: With Cable Guard

4VP 6 - 52 and 4VP6 - 60 pump available in 6" Joining

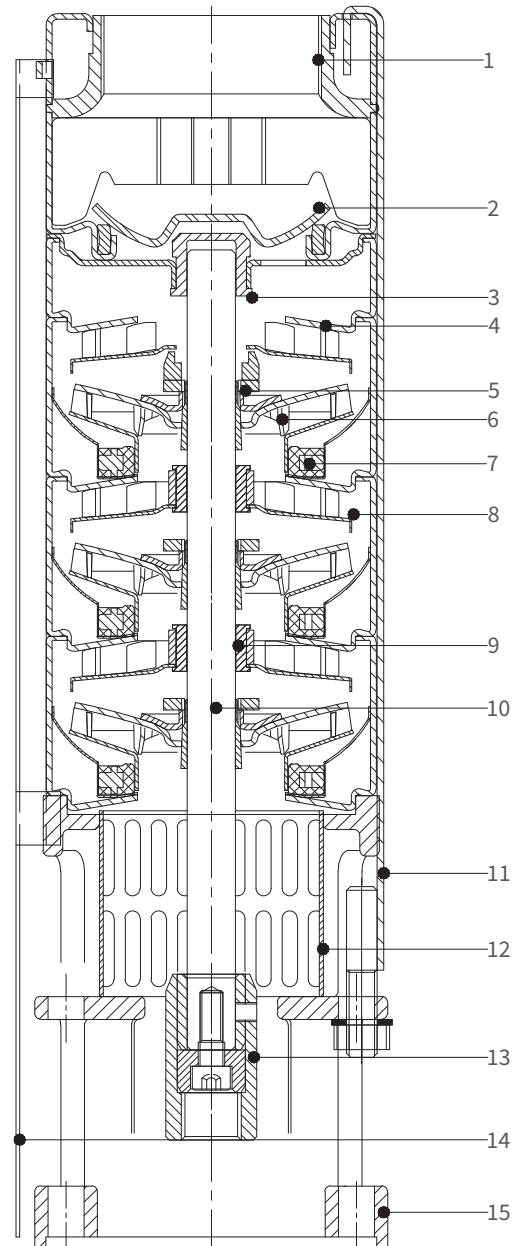
4VP 6 - 75 and 4VP 6 - 85 pump available in 6" Joining with mounted sleeve.

Stainless Steel Submersible Pumps

4VP 9 SERIES PUMP DESIGN

Material Specification

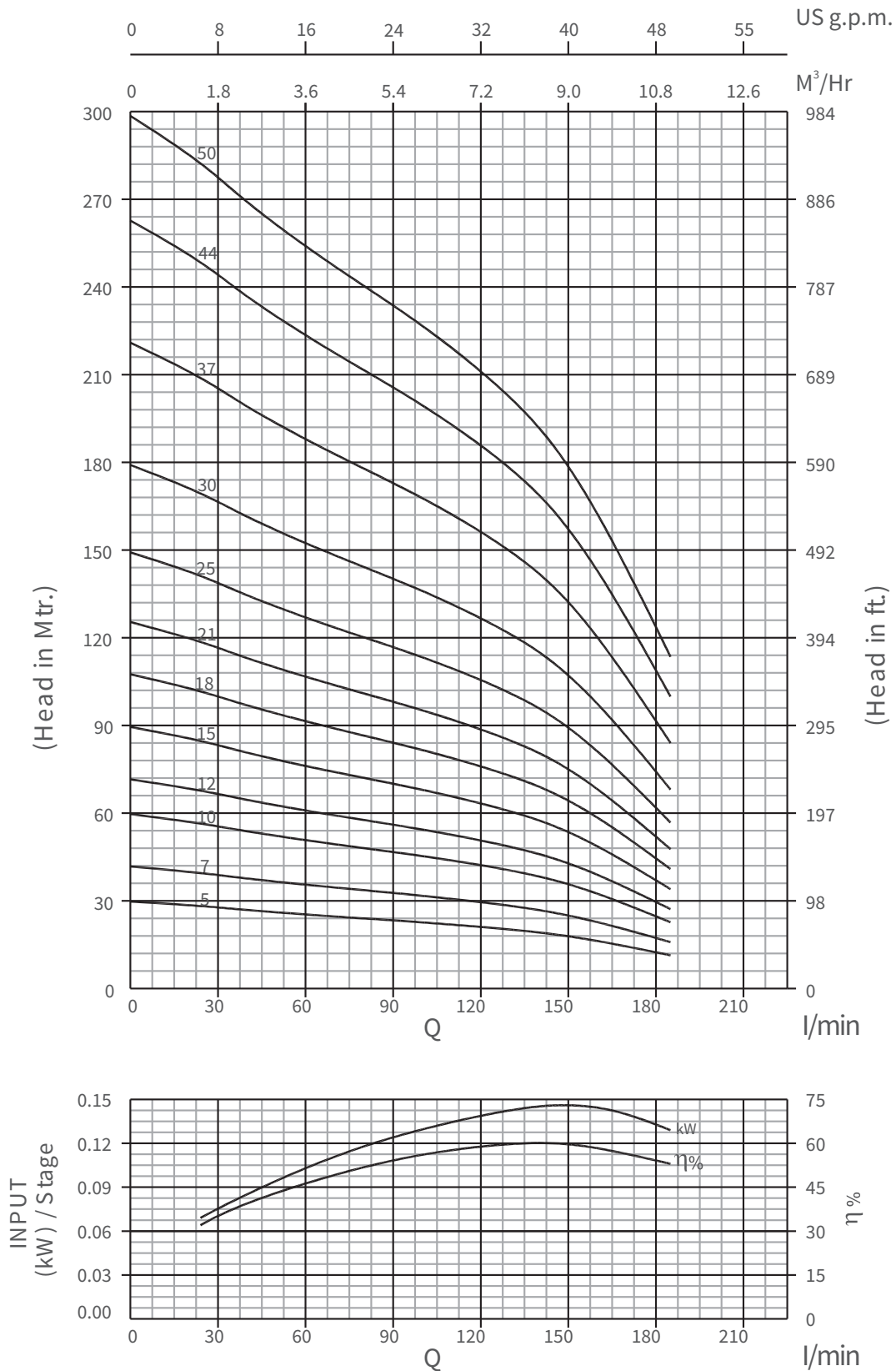
No	PART NAME	MATERIAL
1	N.R.V. 2.0"	S.S.304
2	VALVE	S.S.304
3	TOP BEARING BUSH	N.B.R.
4	TOP DIFFUSER	S.S.304
5	COLLET & COLLET NUT	S.S.304
6	IMPELLER	S.S.304
7	NECKRING	N.B.R. + NYLON
8	DIFFUSER	S.S.304
9	BEARING BUSH	N.B.R.
9	STAGE SLEEVE	S.S.304
10	PUMP SHAFT	S.S.431
11	CLAMPING STRIP	S.S.304
12	STRAINER	S.S.304
13	NEMA COUPLING	S.S.304
14	CABLE GUARD	S.S.304
15	SUCTION	S.S.304



Performance Curves

4VP 9, 50Hz

ISO 9906 Annexure A



Performance Chart

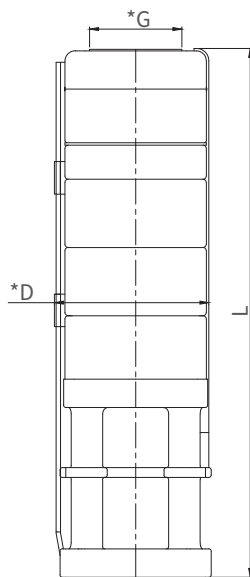
4VP 9, 50Hz

ISO 9906 Annexure A

Model Name			Rating			Discharge									
Single Phase	Three Phase	Stage	kW	HP	l/min	0	24	34	67	101	134	151	168	185	
					m³/h	0	1.44	2.0	4.0	6.0	8.0	9.0	10.0	11.1	

4VP 9-05	4VP 9-05	5	0.75	1.00	HEAD IN Mtrs.	30	28	27	25	23	20	18	15	11
4VP 9-07	4VP 9-07	7	1.10	1.50		42	40	38	35	32	28	25	21	16
4VP 9-10	4VP 9-10	10	1.50	2.00		60	57	55	50	45	40	36	30	23
4VP 9-12	4VP 9-12	12	2.20	3.00		72	68	66	60	54	48	43	36	27
4VP 9-15	4VP 9-15	15	2.20	3.00		90	85	82	75	68	60	54	45	34
	4VP 9-18	18	3.00	4.00		107	102	98	89	82	72	64	53	41
	4VP 9-21	21	4.00	5.50		125	119	115	104	95	84	75	62	48
	4VP 9-25	25	4.00	5.50		149	142	136	124	114	100	89	74	57
	4VP 9-30	30	5.50	7.50		179	170	164	149	136	120	107	89	68
	4VP 9-37	37	5.50	7.50		221	210	202	184	168	148	132	110	84
	4VP 9-44	44	7.50	10.00		263	249	240	219	200	176	157	131	100
	4VP 9-50	50	7.50	10.00		298	284	273	248	227	200	178	148	114

Dimensions & Weights



Model Name	Specification			
	*D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
4VP 9 - 05	98	410	7.2	10.2
4VP 9 - 07	98	494	7.7	10.7
4VP 9 - 10	98	620	8.4	11.4
4VP 9 - 12	98	704	8.9	11.9
4VP 9 - 15	98	830	9.7	12.7
4VP 9 - 18	98	956	10.5	13.5
4VP 9 - 21	98	1082	11.2	14.2
4VP 9 - 25	98	1250	12.3	15.3
4VP 9 - 30	98	1460	13.5	16.5
4VP 9 - 37	98	1754	15.3	18.3
4VP 9 - 44	98	2048	17.1	20.1
4VP 9 - 50	98	2300	18.8	21.8

*G: Available Outlet Size BSP 2.0"

* D: With Cable Guard

4VP 9 -30, 4VP 9 -37, VP8A-44 & 4VP 9 -50

pump are also available in 6" Joining.

4VP 9 -58, 4VP 9 -66, 4VP 9 -73, 4VP 9 -82,

4VP 9 -91, 4VP 9 -100 & 4VP 9 -110 pump are

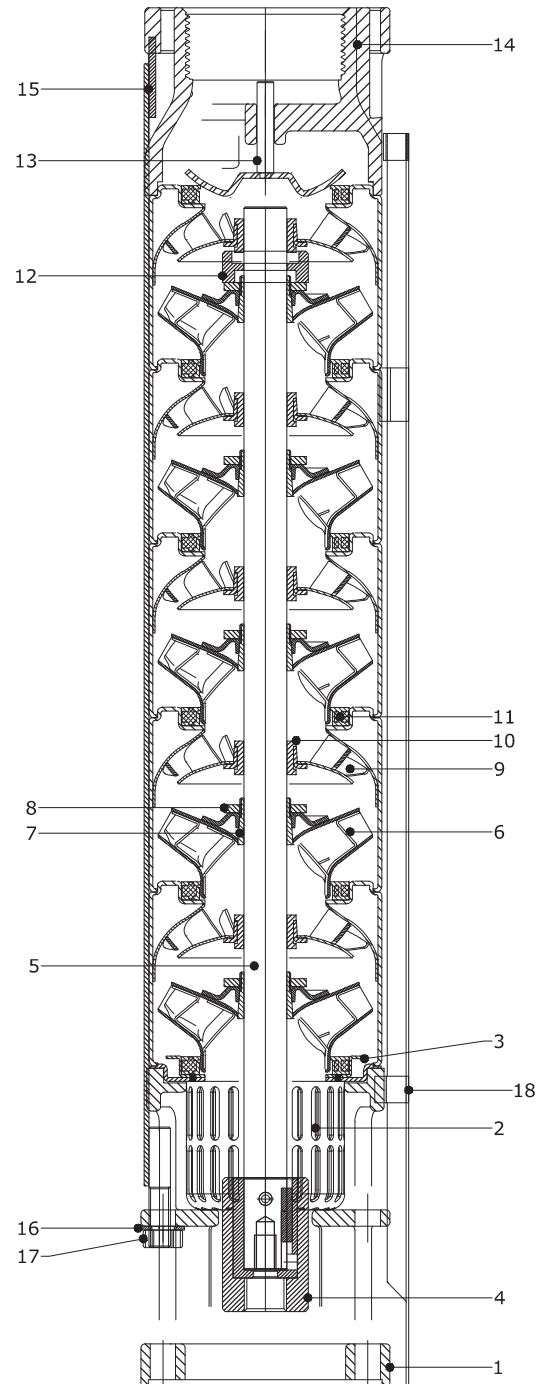
also available in 6" Joining with mounted sleeve.

Stainless Steel Submersible Pumps

4VP 14 SERIES PUMP DESIGN

Material Specification

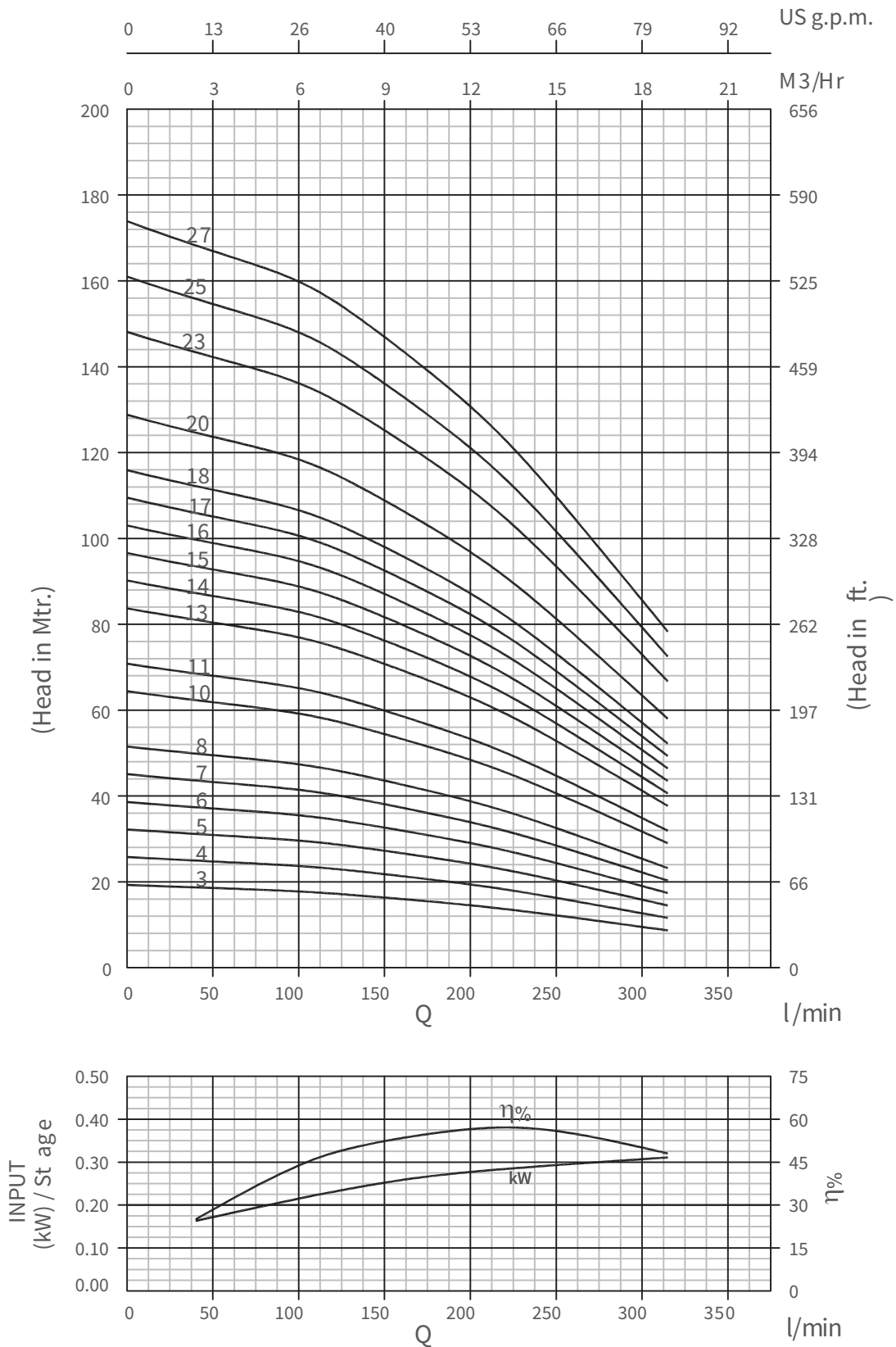
No.	PART NAME	MATERIAL
1	SUCTION	CF8
2	STRAINER	S.S.304
3	SS CONNECTOR	S.S.304
4	COUPLING	S.S.304
5	PUMP SHAFT	SS 1.4362
6	IMPELLER	S.S.304
7	COLLET	S.S.304
8	NUT OF COLLET	S.S.304
9	DIFFUSER	S.S.304
10	BEARING BUSH	N.B.R.
11	NECKRING	NBR+NYLON
12	SPACING WASER	PIFE
13	VALVE ASSLY	S.S.304
14	N.R.V.	CF8
15	CLAMPING STRIP	S.S.304
16	WASHER 8X15.5X1.5	S.S.304
17	HHNUTM8X1.25P	S.S.316
18	CABLE&CLAMP	S.S.304



Performance Curves

4VP 14, 50Hz

ISO 9906 Annexure A



Performance Chart

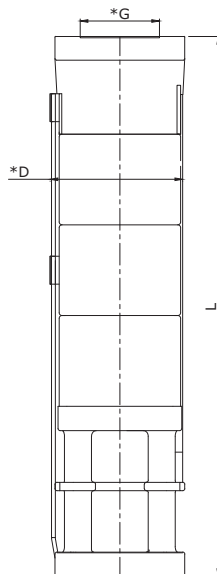
4VP 14, 50Hz

ISO 9906 Annexure A

Model Name		Stage	Rating		l/min m ³ /h	Discharge							
Single Phase	Three Phase		kW	HP		0	40	95	130	170	215	260	315
						0	2.4	5.7	7.8	10.2	12.9	15.6	18.9

4VP 14-03	4VP 14-03	03	1.10	1.50	HEAD IN Mtrs.	19	18.5	18	17	16	14	12	9
4VP 14-04	4VP 14-04	04	1.10	1.50		26	25	24	23	21	19	16	12
4VP 14-05	4VP 14-05	05	1.50	2.00		32	31	30	28	26	23	20	14
4VP 14-06	4VP 14-06	06	1.50	2.00		39	37	36	34	31	28	23	17
4VP 14-07	4VP 14-07	07	2.20	3.00		45	44	42	40	37	33	27	20
4VP 14-08	4VP 14-08	08	2.20	3.00		52	50	48	45	42	37	31	23
	4VP 14-10	10	3.00	4.00		64	62	60	57	52	47	39	29
	4VP 14-11	11	3.00	4.00		71	68	66	62	57	51	43	32
	4VP 14-13	13	3.00	4.00		84	81	78	74	68	61	51	38
	4VP 14-14	14	4.00	5.50		90	87	84	79	73	65	55	41
	4VP 14-15	15	4.00	5.50		97	93	90	85	78	70	58	44
	4VP 14-16	16	4.00	5.50		103	100	96	91	84	75	62	46
	4VP 14-17	17	4.00	5.50		109	106	102	96	89	79	66	49
	4VP 14-18	18	5.50	7.50		116	112	108	102	94	84	70	52
	4VP 14-20	20	5.50	7.50		129	124	120	113	104	93	78	58
	4VP 14-23	23	5.50	7.50		148	143	138	130	120	107	90	67
	4VP 14-25	25	7.50	10.00		161	156	150	142	130	117	98	72
	4VP 14-27	27	7.50	10.00		174	168	162	153	141	126	105	78

Dimensions & Weights



Model Name	Specification			
	*D (mm)	L (mm)	Pump Weight Kg.	Weight (incl.pkg.) Kg.
4VP 14 - 03	98	387	4.70	5.4
4VP 14 - 04	98	452	5.40	6.2
4VP 14 - 05	98	517	6.10	7.0
4VP 14 - 06	98	582	6.9	7.9
4VP 14 - 07	98	647	7.7	8.9
4VP 14 - 08	98	712	8.4	9.7
4VP 14 - 10	98	842	9.9	11.4
4VP 14 - 11	98	907	10.6	12.2
4VP 14 - 13	98	1037	12.1	13.9
4VP 14 - 14	98	1102	12.9	14.8
4VP 14 - 15	98	1167	13.6	15.6
4VP 14 - 16	98	1232	14.4	16.6
4VP 14 - 17	98	1297	15.1	17.4
4VP 14 - 18	98	1362	16.6	19.1
4VP 14 - 20	98	1492	18.1	20.8
4VP 14 - 23	98	1687	20.4	23.5
4VP 14 - 25	98	1817	21.9	25.2
4VP 14 - 27	98	1947	23.4	26.9

* G:\Available Outlet Size BSP 2.0"

* D:\ With Cable Guard

4VP 14 -18, 4VP 14 -25 & 4VP 14 -27 pump are
also available in 6" Joining