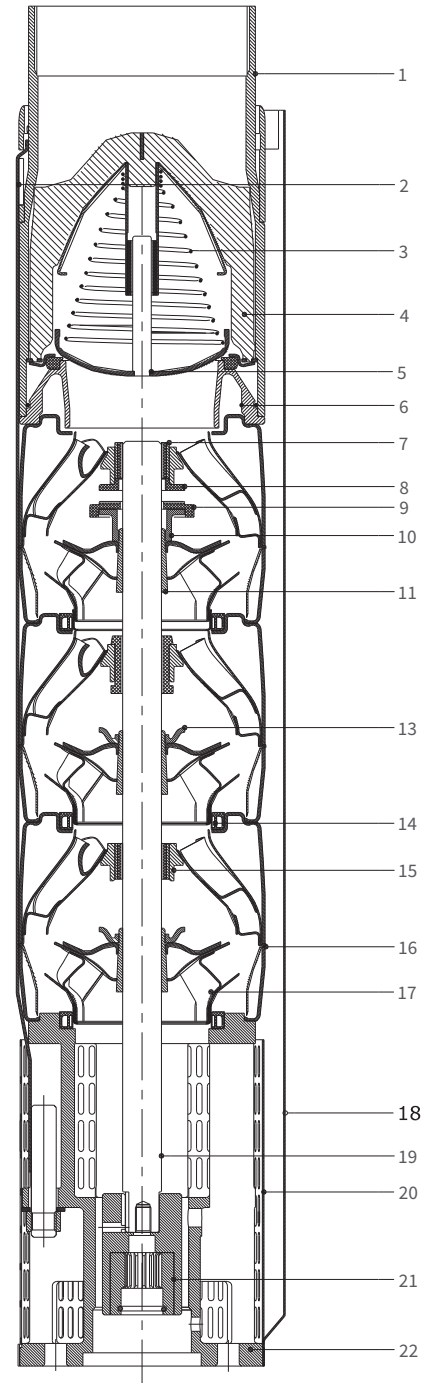


Stainless Steel Submersible Pumps

8VP 80 & 8VP 98 SERIES PUMP DESIGN

Material Specification

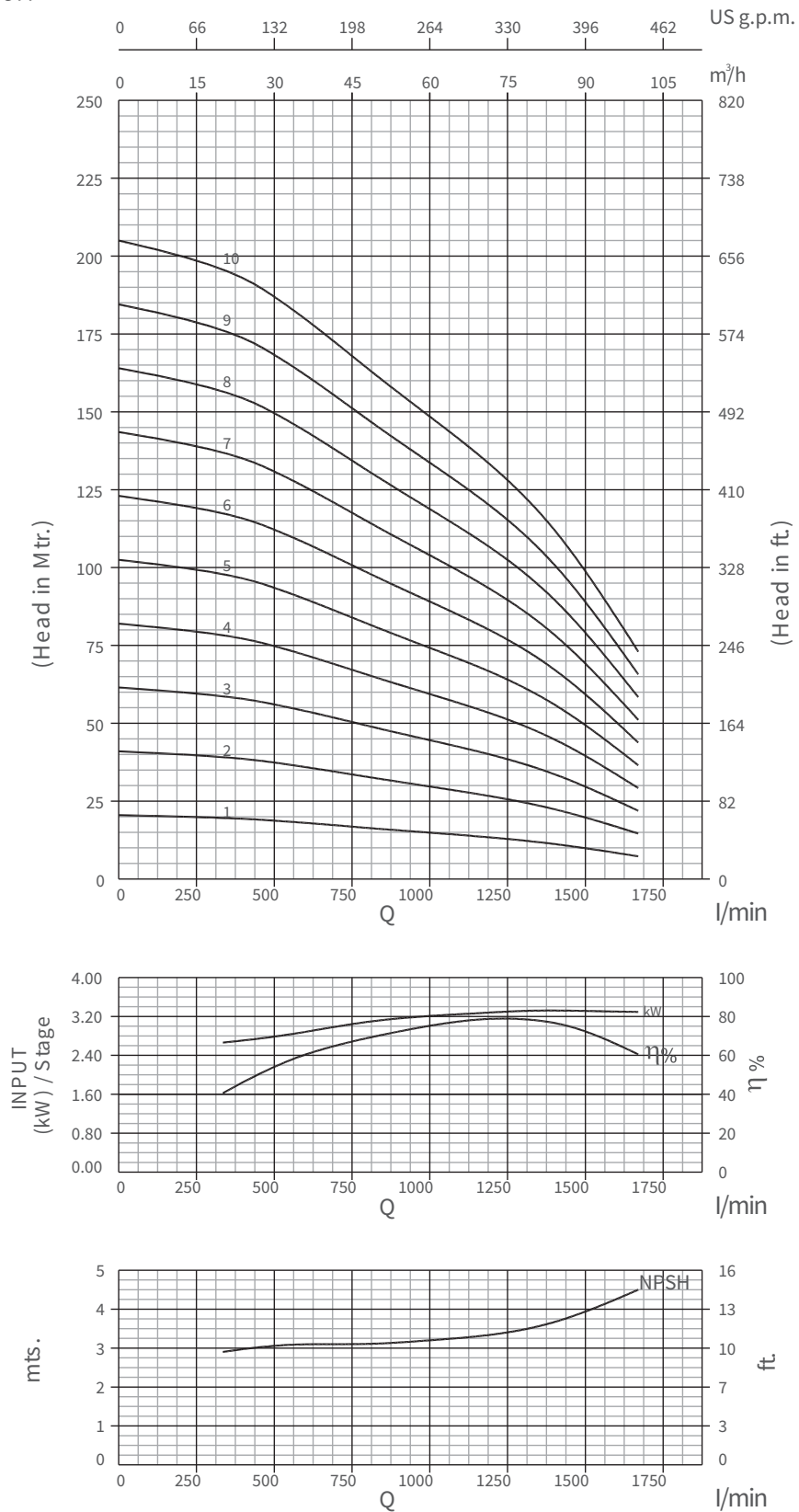
NO	PART NAME	MATERIAL	STANDARD
1	DCH SLEEVE	STAINLESS STEEL	304
2	CLAMPING STRIP	STAINLESS STEEL	304
3	SPRING	STAINLESS STEEL	304
4	VALVE GUIDE RIB ASSEMBLY	STAINLESS STEEL	304
5	VALVE ASSEMBLY	STAINLESS STEEL	304
6	VALVE SEAT HOUSING	STAINLESS STEEL	304
7	FIRST STAGE BEARING BUSH	STAINLESS STEEL + NBR	304
8	STOP RING	STAINLESS STEEL	304
9	SPACING WASHER	25% CFT	304
10	FIRST STAGE NUT	STAINLESS STEEL	304
11	IMPELLER COLLET	STAINLESS STEEL	304
12	BEARING BUSH STAGE	NBR	
13	COLLET NUT	STAINLESS STEEL	304
14	NECKRING	NBR + PPS	
15	IMC SLEEVE	STAINLESS STEEL	304
16	INTERMEDIATE CHAMBER	STAINLESS STEEL	304
17	IMPELLER ASSEMBLY	STAINLESS STEEL	304
18	CABLE GUARD	STAINLESS STEEL	304
19	SHAFT	STAINLESS STEEL	431
20	STRAINER	STAINLESS STEEL	304
21	NEMA COUPLING	STAINLESS STEEL	304
22	SUCTION INTERCONNECTOR	STAINLESS STEEL	304



Performance Curves

8VP 80, 50Hz

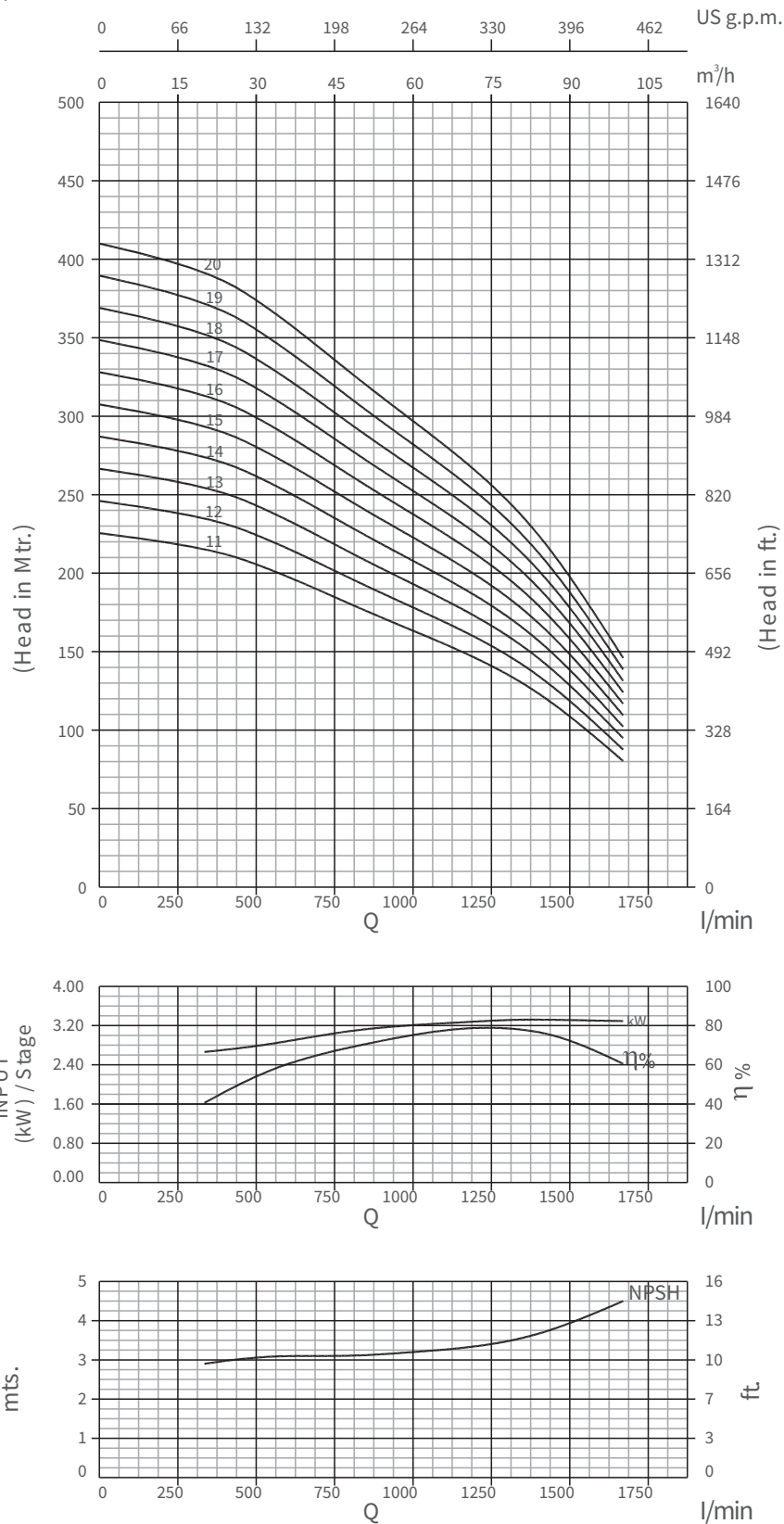
ISO 9906 Annexure A



Performance Curves

8VP 80, 50Hz

ISO 9906 Annexure A



Performance Chart

8VP 80, 50Hz

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Model Name		Rating			Discharge									
Three Phase	Stage	kW	HP	l/min	0	335	500	670	835	1000	1170	1335	1500	1670
				m ³ /h	0	20.0	30.0	40.2	50.1	60.0	70.2	80.1	90.0	100.0

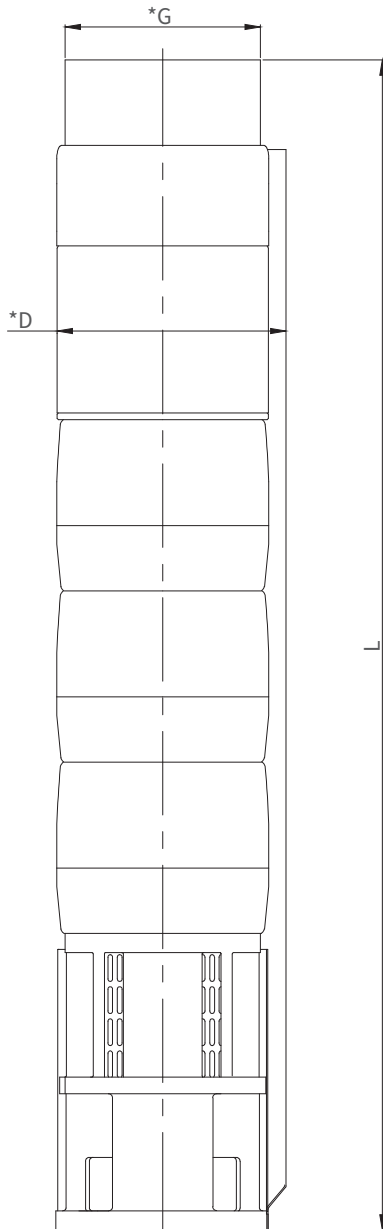
8VP 80-01	1	5.50	7.50	HEAD IN Mtrs.	20.5	20	19	17	16	15	14	12	10	7
8VP 80-02	2	7.50	10.00		41	40	38	35	32	30	27	24	20	15
8VP 80-03	3	11.00	15.00		62	59	56	52	48	45	41	36	30	22
8VP 80-04	4	15.00	20.00		82	79	75	70	64	59	54	48	40	29
8VP 80-05	5	18.50	25.00		102	99	94	87	80	74	68	60	50	36
8VP 80-06	6	22.00	30.00		123	118	112	105	97	89	81	72	60	44
8VP 80-07	7	26.00	35.00		144	138	131	122	113	104	95	84	70	51
8VP 80-08	8	30.00	40.00		164	158	150	140	129	119	108	96	80	58
8VP 80-09	9	30.00	40.00		184	178	169	157	145	134	122	108	90	66
8VP 80-10	10	37.00	50.00		205	198	188	174	161	148	136	120	100	73
8VP 80-11	11	37.00	50.00		226	217	206	192	177	163	149	133	110	80
8VP 80-12	12	45.00	60.00		246	237	225	209	193	178	163	145	120	88
8VP 80-13	13	55.00	75.00		266	257	244	227	209	193	176	157	130	95
8VP 80-14	14	55.00	75.00		287	276	262	244	225	208	190	169	140	102
8VP 80-15	15	55.00	75.00		308	296	281	262	242	223	203	181	150	110
8VP 80-16	16	63.00	85.00		328	316	300	279	258	238	217	193	160	117
8VP 80-17	17	63.00	85.00		348	336	319	297	274	252	230	205	170	124
8VP 80-18	18	63.00	85.00		369	356	338	314	290	267	244	217	180	131
8VP 80-19	19	75.00	100.0		390	375	356	332	306	282	257	229	190	139
8VP 80-20	20	75.00	100.0		410	395	375	349	322	297	271	241	200	146

Performance Chart

8VP 80, 50Hz

ISO 9906 Annexure A

Dimensions & Weights



MODEL	SPECIFICATION			
	D* (mm)	D** (mm)	L (mm)	PUMP WEIGHT (in Kg.)
8VP 80 - 01	175	180	620	21
8VP 80 - 02	175	180	748	25
8VP 80 - 03	175	180	876	29
8VP 80 - 04	175	180	1004	33
8VP 80 - 05	175	180	1132	37
8VP 80 - 06	175	180	1260	41
8VP 80 - 07	175	180	1388	45
8VP 80 - 08	175	180	1516	49
8VP 80 - 09	175	180	1644	53
8VP 80 - 10	175	180	1772	55
8VP 80 - 11	175	180	1900	59
8VP 80 - 12	196	200	2028	63
8VP 80 - 13	196	200	2156	67
8VP 80 - 14	196	200	2284	71
8VP 80 - 15	196	200	2412	75
8VP 80 - 16	196	200	2540	79
8VP 80 - 17	196	200	2668	83
8VP 80 - 18	196	200	2796	87
8VP 80 - 19	196	200	2924	91
8VP 80 - 20	196	200	3052	95

* G: Available Outlet Size BSP 5"

* D: Maximum Diameter With Single Cable Guard

** D: Maximum Diameter With Double Cable Guard

upto 50 HP 6" Motor Joining

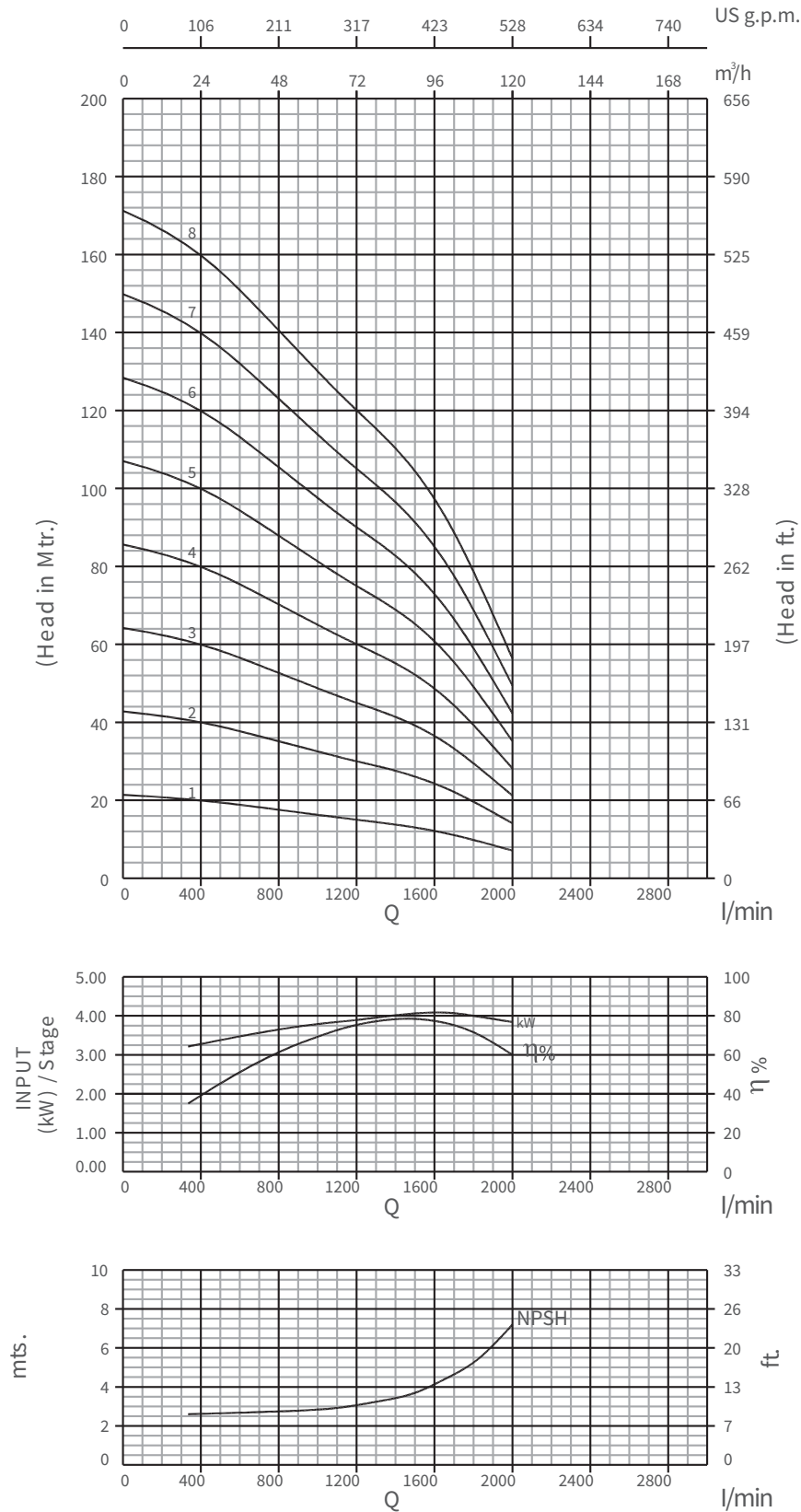
8VP 80 - 01 to 8VP 80 - 11 pump are available in 6" joining

8VP 80 - 12 to 8VP 80 - 20 pump are available in 8" joining

Performance Curves

8VP 98, 50Hz

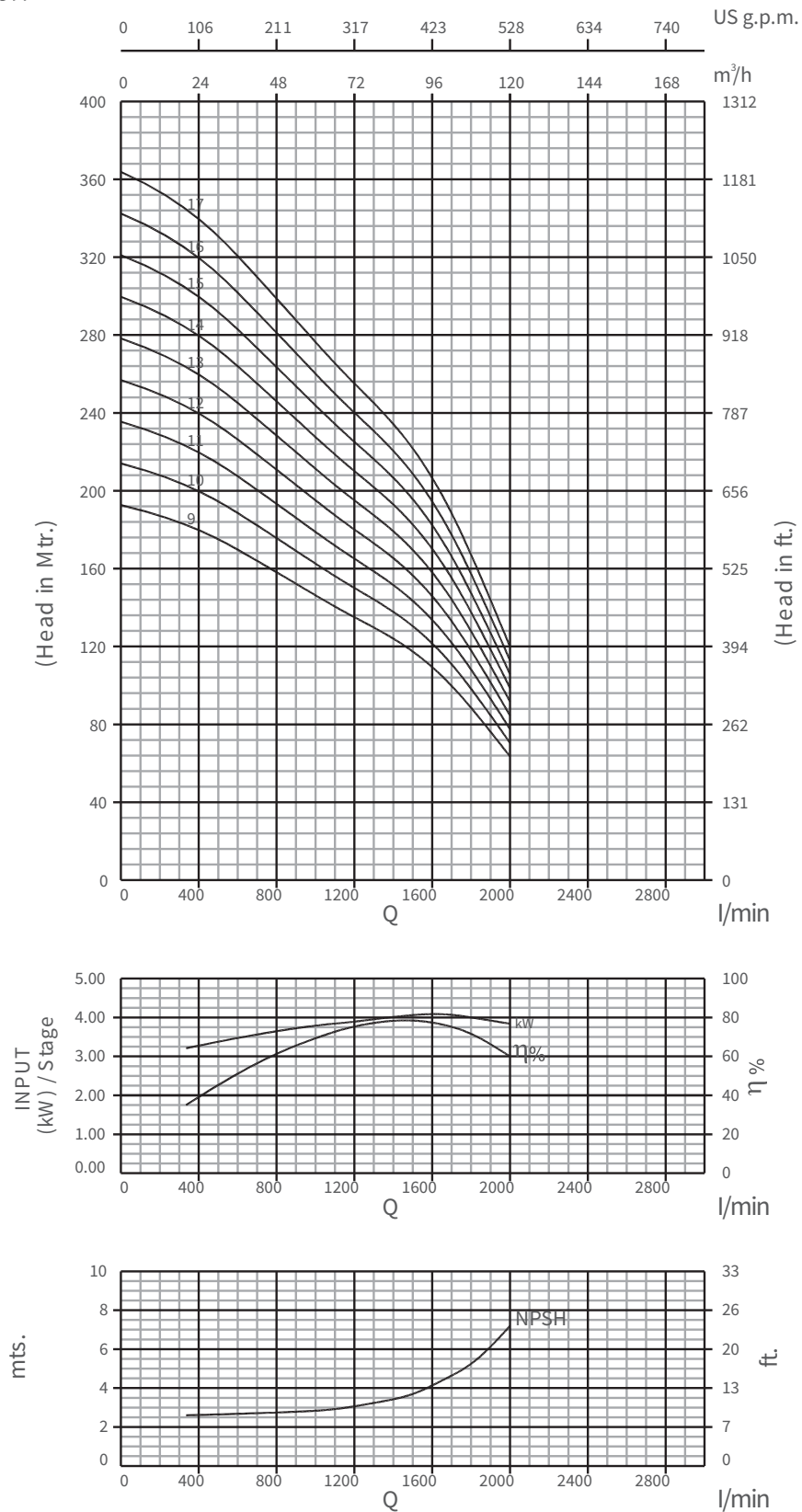
ISO 9906 Annexure A



Performance Curves

8VP 98, 50Hz

ISO 9906 Annexure A



Performance Chart

8VP 98, 50Hz

ISO 9906 Annexure A

Model Name		Rating			Discharge									
Three Phase	Stage	kW	HP	l/min	0	335	675	1010	1170	1335	1500	1670	1835	2000
				m ³ /h	0	20.0	40.5	60.6	70.2	80.1	90.0	100.2	110.1	120.0

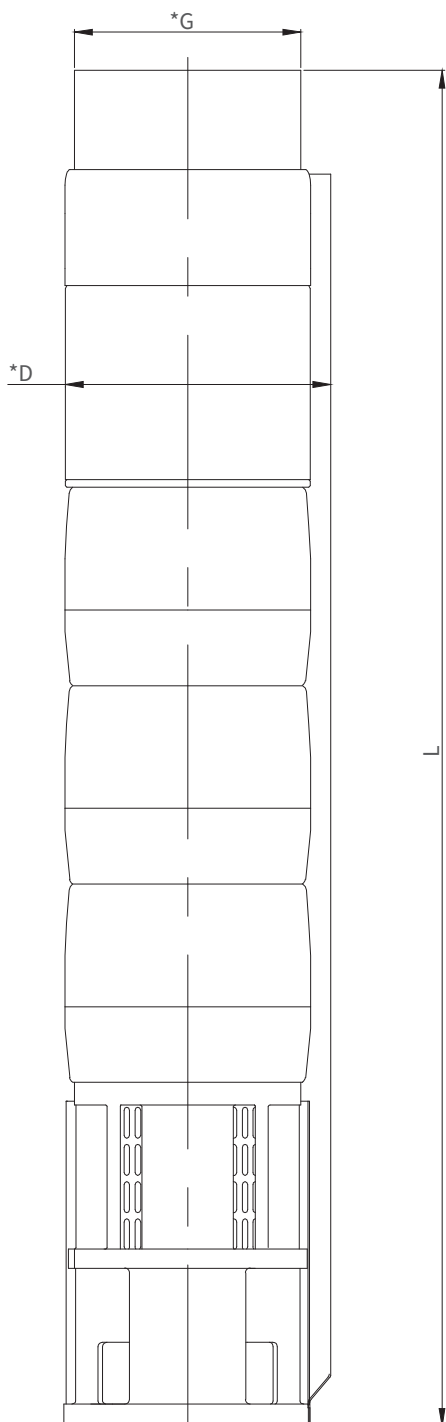
8VP 98-01	1	5.50	7.50	HEAD IN Mtrs.	21.5	21	18	16	15	14	13	12	9	7
8VP 98-02	2	9.30	12.50		43	41	37	32	30	28	26	23	19	14
8VP 98-03	3	13.00	17.50		64	62	55	49	46	43	39	35	28	21
8VP 98-04	4	18.50	25.00		86	82	74	65	61	57	52	46	38	28
8VP 98-05	5	22.00	30.00		107	103	92	81	76	71	66	58	47	35
8VP 98-06	6	26.00	35.00		128	123	110	97	91	85	79	69	56	42
8VP 98-07	7	30.00	40.00		150	144	129	113	106	100	92	81	66	49
8VP 98-08	8	37.00	50.00		171	164	147	129	121	114	105	92	75	56
8VP 98-09	9	37.00	50.00		193	185	166	146	137	128	118	104	85	63
8VP 98-10	10	45.00	60.00		214	205	184	162	152	142	131	115	94	70
8VP 98-11	11	55.00	75.00		235	226	203	178	167	157	144	127	104	78
8VP 98-12	12	55.00	75.00		257	246	221	194	182	171	157	138	113	85
8VP 98-13	13	55.00	75.00		278	267	239	210	197	185	171	150	122	92
8VP 98-14	14	63.00	85.00		300	287	258	227	212	199	184	161	132	99
8VP 98-15	15	75.00	100.0		321	308	276	243	228	213	197	173	141	106
8VP 98-16	16	75.00	100.0		342	328	295	259	243	228	210	184	151	113
8VP 98-17	17	75.00	100.0		364	349	313	275	258	242	223	196	160	120

Performance Chart

8VP 98, 50Hz

ISO 9906 Annexure A

Dimensions & Weights



MODEL	SPECIFICATION			
	D* (mm)	D** (mm)	L (mm)	PUMP WEIGHT (in Kg.)
8VP 98 - 01	175	180	620	21
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8VP 98 - 04	175	180	1004	33
8VP 98 - 05	175	180	1132	37
8VP 98 - 06	175	180	1260	41
8VP 98 - 07	175	180	1388	45
8VP 98 - 08	175	180	1516	49
8VP 98 - 09	175	180	1644	53
8VP 98 - 10	196	200	1772	55
8VP 98 - 11	196	200	1900	59
8VP 98 - 12	196	200	2028	63
8VP 98 - 13	196	200	2156	67
8VP 98 - 14	196	200	2284	71
8VP 98 - 15	196	200	2412	75
8VP 98 - 16	196	200	2540	79
8VP 98 - 17	196	200	2668	83

* G: Available Outlet Size BSP 5"

* D: Maximum Diameter With Single Cable Guard

** D: Maximum Diameter With Double Cable Guard

upto 50 HP 6" Motor Joining

8VP 98 - 01 to 8VP 98 - 09 pump are available in 6" joining

8VP 98-10 to 8VP 98 -17 pump are available in 8" joining