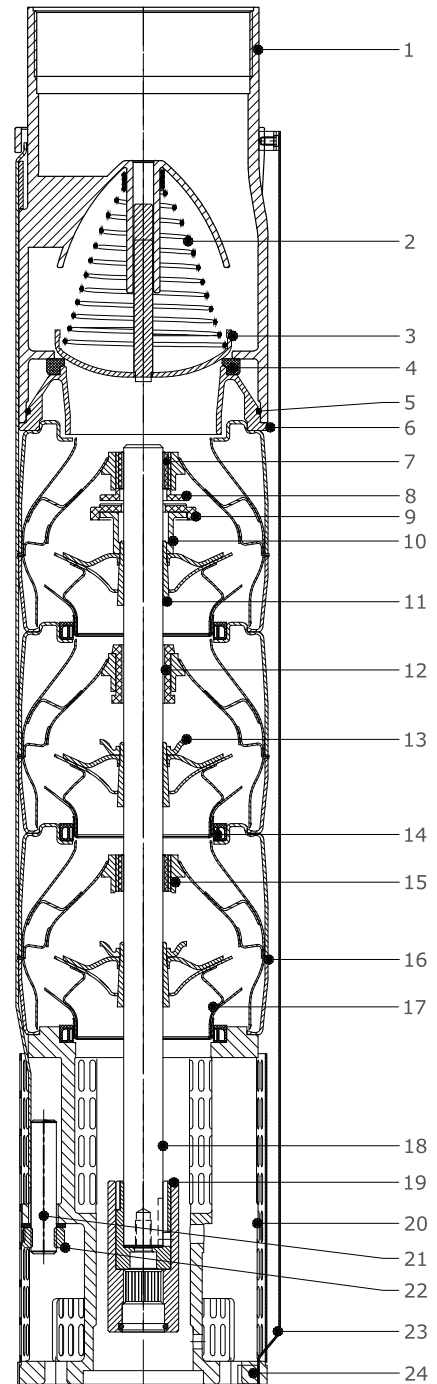


8RP 80 & 8RP 98 SERIES PUMP DESIGN

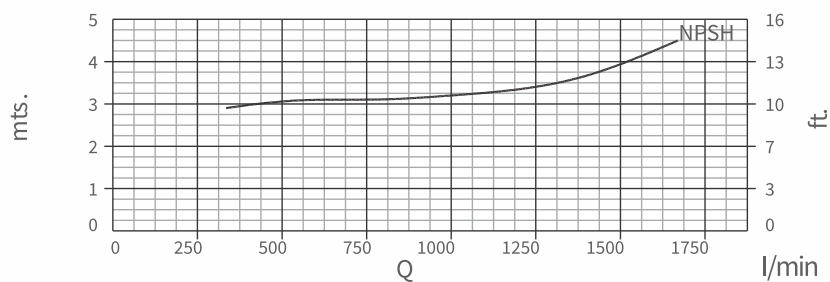
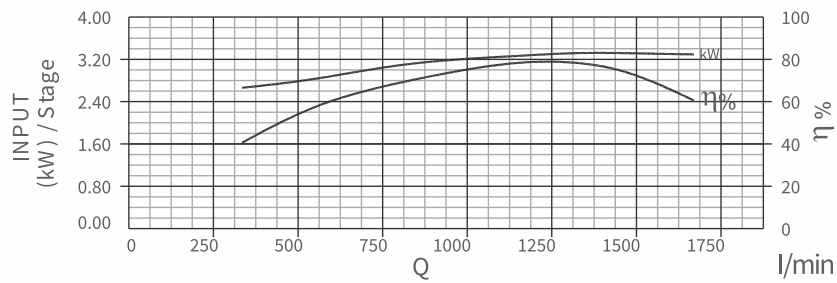
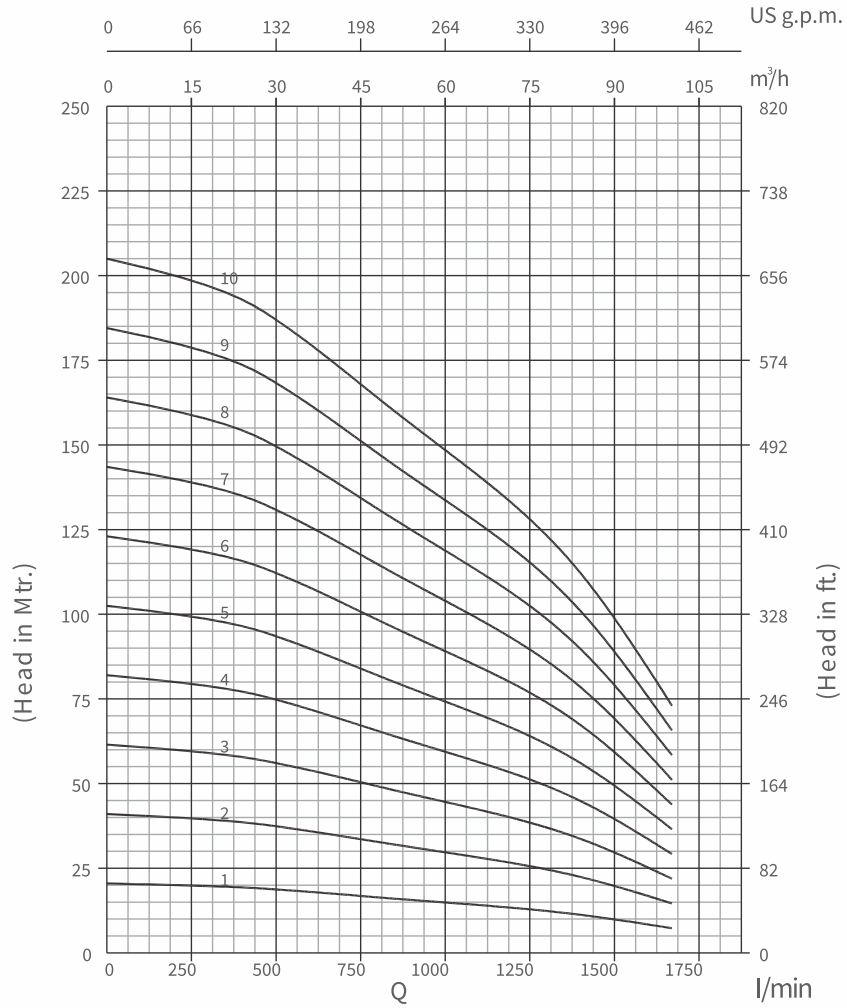
Material Specification

No	PART NAME	MATERIAL
1	DISCHARGE CHAMBER HOUSING	STEEL CAST 304
2	SPRING	S.S.302
3	VALVE	S.S.304
4	VALVE SEAT	N.B.R.
5	"O" RING	N.B.R.
6	VALVE SEAT HOUSING	STEEL CAST 304
7	FIRST STAGE BEARING BUSH	N.B.R. + S.S.304
8	STOP RING	S.S.304
9	SPACING WASHER	25% CFT
10	FIRST STAGE NUT	STEEL CAST 304
11	IMPELLER COLLET	S.S.304
12	BEARING BUSH STAGE	N.B.R.
13	COLLET NUT	S.S.304
14	NECKRING	N.B.R. + NYLON
15	IMC SLEEVE	S.S.304
16	INTERMEDIATE CHAMBER	S.S.304
17	IMPELLER	S.S.304
18	PUMP SHAFT (UP TO 04 STAGES)	S.S.431
	PUMP SHAFT (05 STAGE & ABOVE)	S.S.1.4362
19	NEMA COUPLING	S.S.304
20	STRAINER	S.S.304
21	CLAMPING STRIP	S.S.304
22	HEX NUT	S.S.316
23	CABLE GUARD	S.S.304
24	SUCTION	STEEL CAST 304



8RP 80, 50Hz
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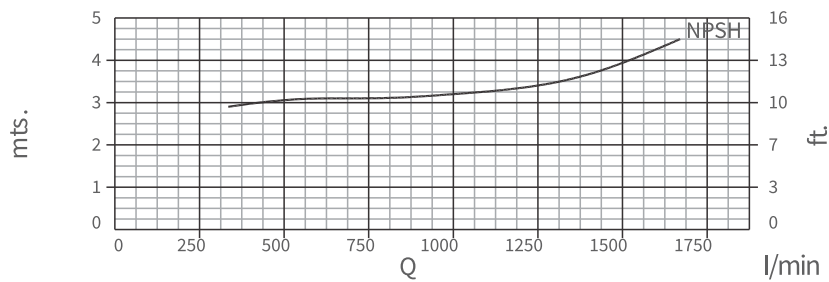
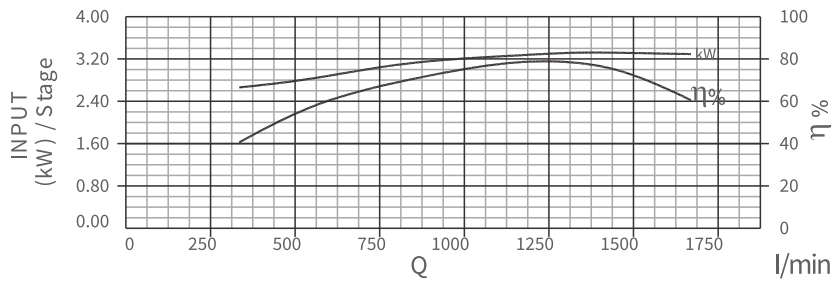
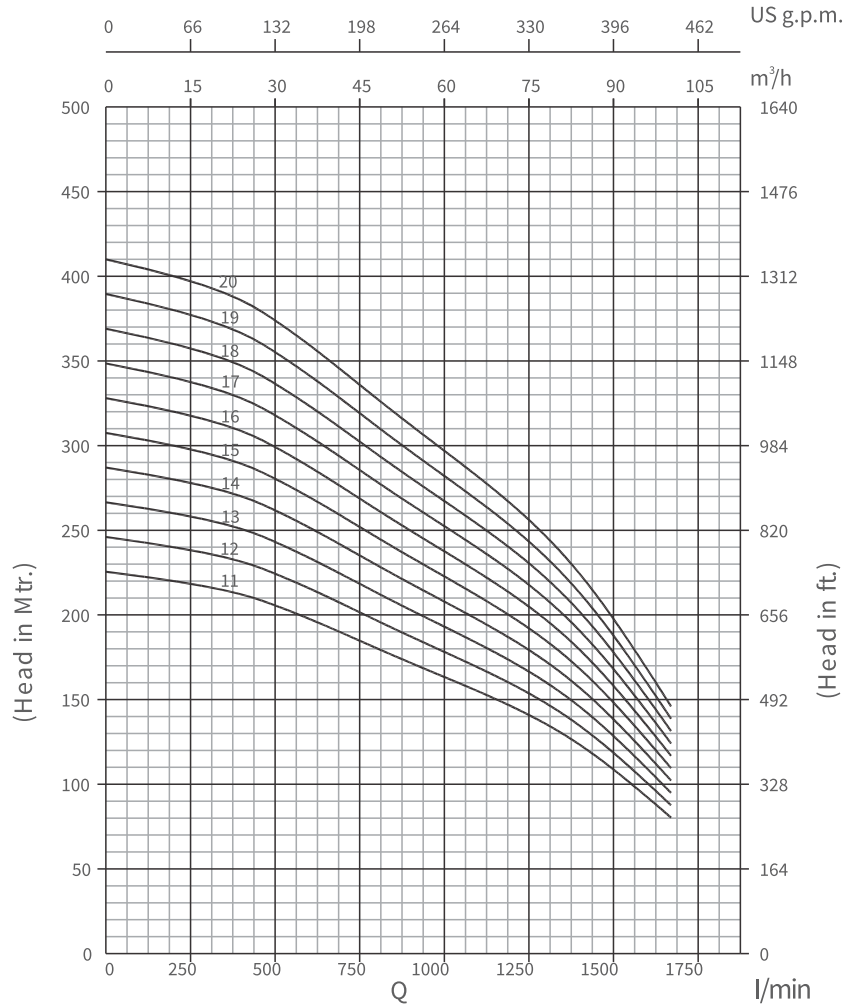
PERFORMANCE CURVES



8RP 80, 50Hz

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PERFORMANCE CURVES



8RP 80, 50Hz
ISO 9906 Annexure A

PERFORMANCE CHART

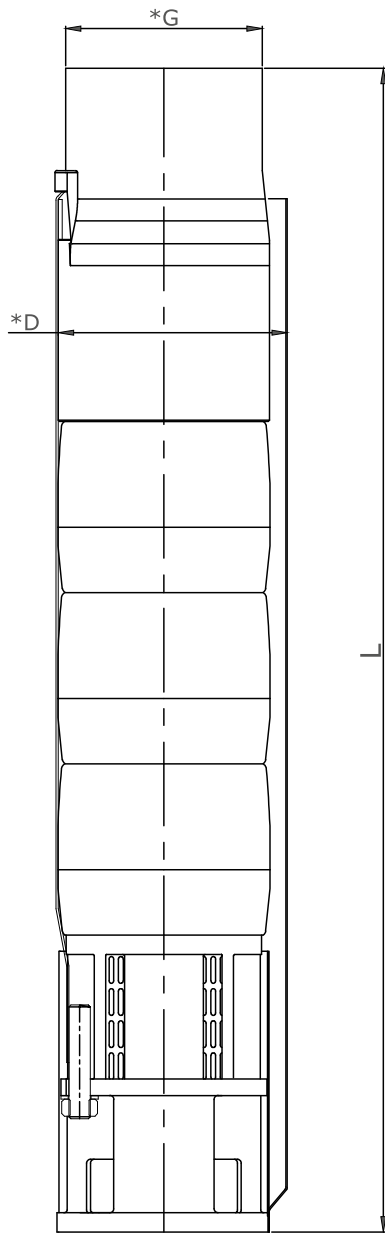
Model Name		Rating			Discharge									
Three Phase	Stage	kW	HP	l/min	0	335	500	670	835	1000	1170	1335	1500	1670
				m ³ /h	0	20.0	30.0	40.2	50.1	60.0	70.2	80.1	90.0	100.0

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

8RP 80, 50Hz

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Dimensions & Weights



Model Name	Specification				
	D* (mm)	D** (mm)	L (mm)	Pump Weight (in Kg.)	Weight (Incl. pkg.) Kg.
8RP 80 - 01	175	180	620	21	23
8RP 80 - 02	175	180	748	25	28
8RP 80 - 03	175	180	876	29	32
8RP 80 - 04	175	180	1004	33	36
8RP 80 - 05	175	180	1132	37	41
8RP 80 - 06	175	180	1260	41	45
8RP 80 - 07	175	180	1388	45	50
8RP 80 - 08	175	180	1516	49	54
8RP 80 - 09	175	180	1644	53	58
8RP 80 - 10	175	180	1772	55	63
8RP 80 - 11	175	180	1900	59	67
8RP 80 - 12	196	200	2028	63	72
8RP 80 - 13	196	200	2156	67	76
8RP 80 - 14	196	200	2284	71	80
8RP 80 - 15	196	200	2412	75	85
8RP 80 - 16	196	200	2540	79	89
8RP 80 - 17	196	200	2668	83	87
8RP 80 - 18	196	200	2796	87	94
8RP 80 - 19	196	200	2924	91	98
8RP 80 - 20	196	200	3052	95	102

* G: Available Outlet Size 5" BSP

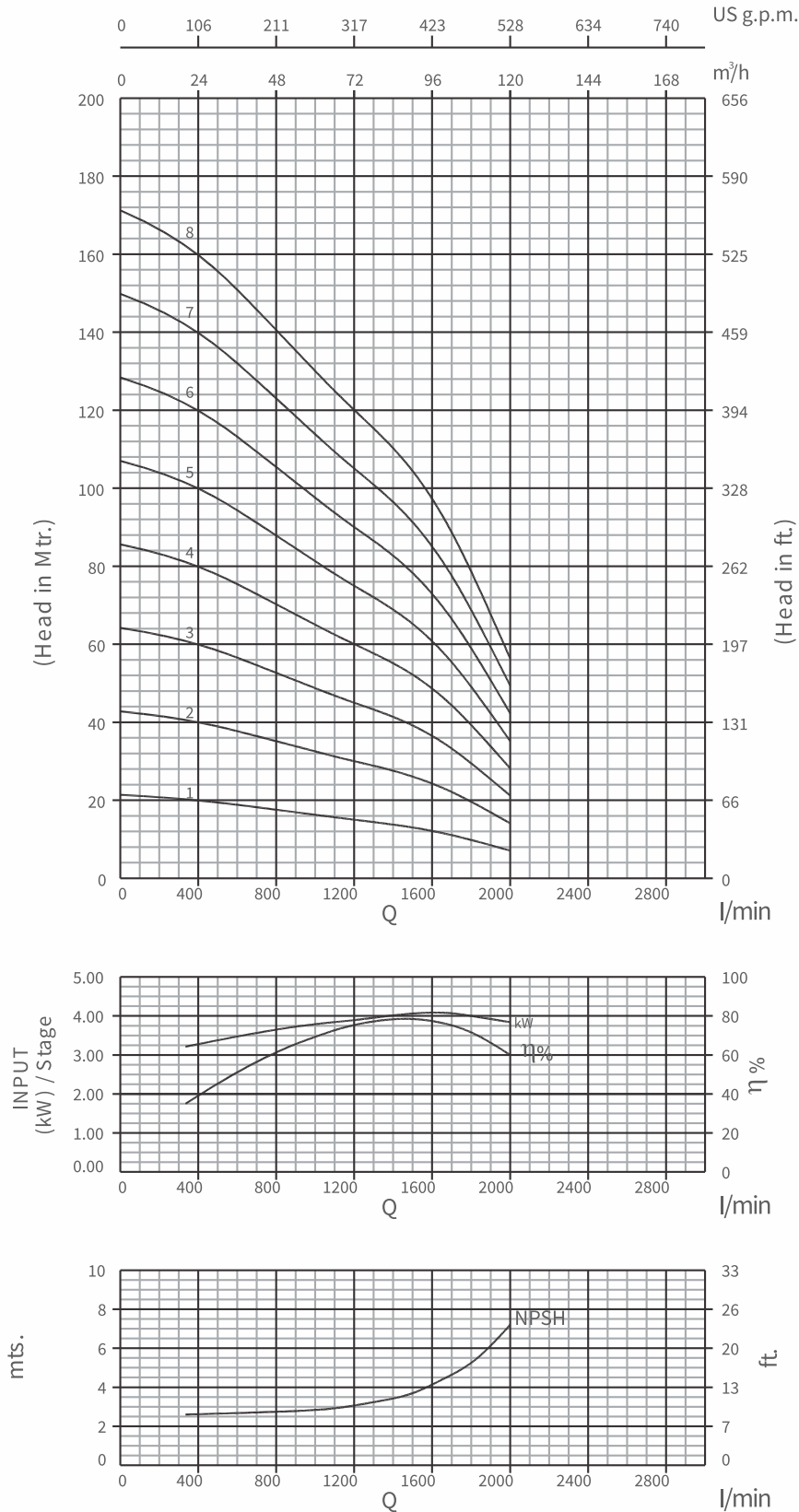
* D: Maximum Diameter With Single Cable Guard

** D: Maximum Diameter With Double Cable Guard upto 50 HP 6" Motor Joining.

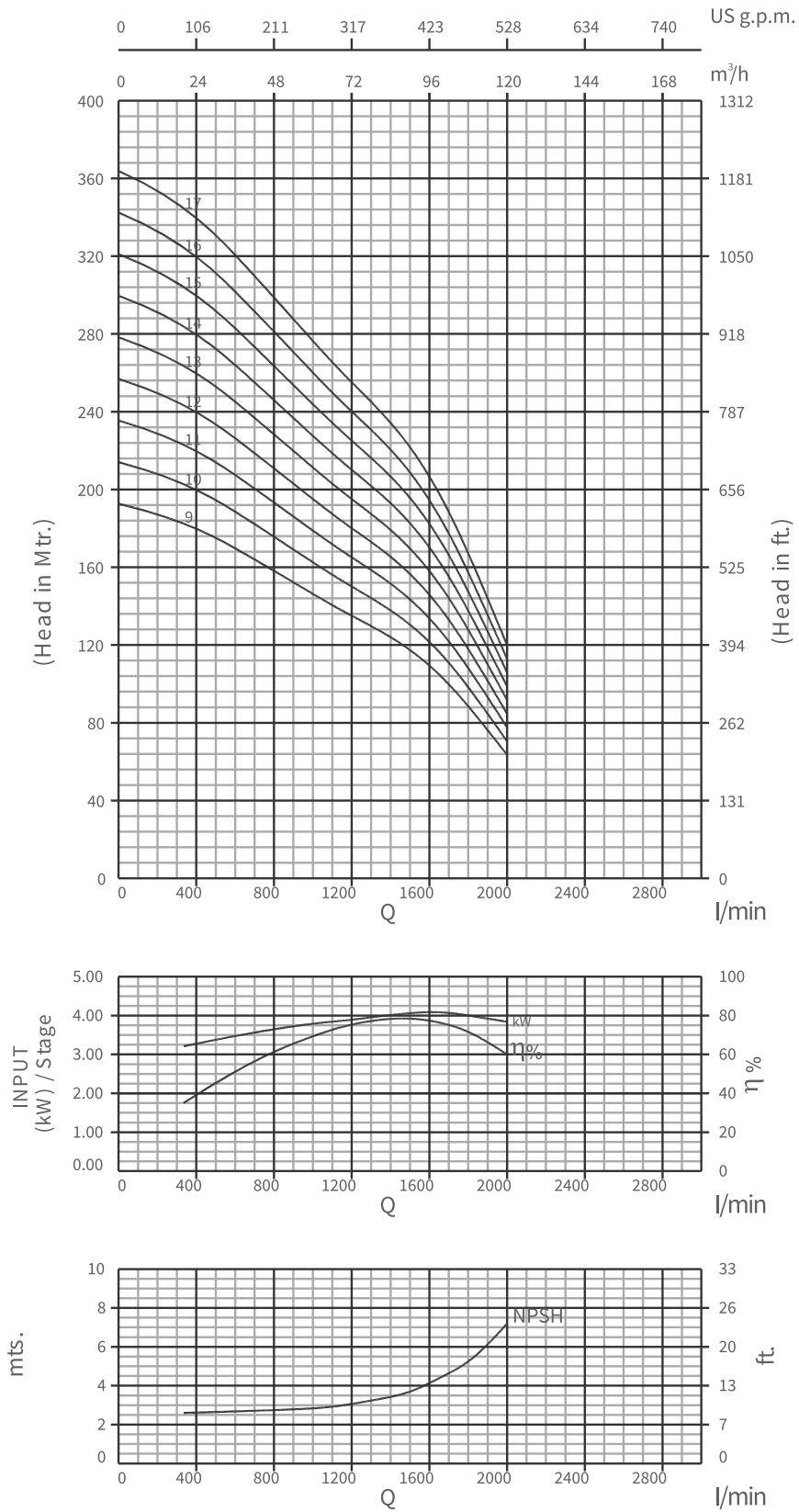
8RP 80 - 01 TO 8RP 80 - 11 Pump Are Available in 6" Joining.
8RP 80 - 12 to 8RP 80 - 20 Pump Are Available in 8" Joining.

8RP 98, 50Hz
ISO 9906 Annexure A

PERFORMANCE CURVES



PERFORMANCE CURVES



8RP 98, 50Hz
ISO 9906 Annexure A

PERFORMANCE CHART

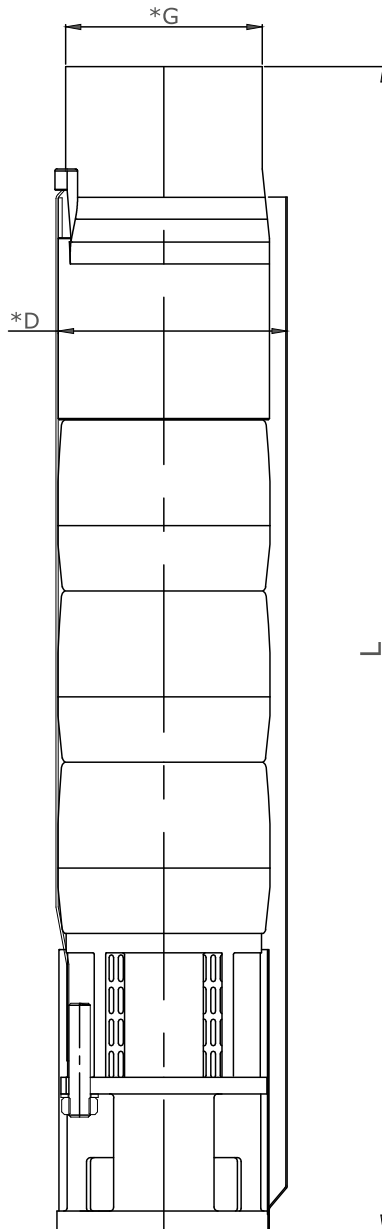
Model Name	Stage	Rating		l/min m ³ /h	Discharge									
		kW	HP		0	335	675	1010	1170	1335	1500	1670	1835	2000
Three Phase					0	20.0	40.5	60.6	70.2	80.1	90.0	100.2	110.1	120.0

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

8RP 98, 50Hz

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Dimensions & Weights



Model Name	Specification				
	D* (mm)	D** (mm)	L (mm)	Pump Weight (in Kg.)	Weight (Incl. pkg.) Kg.
8RP 98 - 01	175	180	620	21	23
8RP 98 - 02	175	180	748	25	28
8RP 98 - 03	175	180	876	29	32
8RP 98 - 04	175	180	1004	33	36
8RP 98 - 05	175	180	1132	37	41
8RP 98 - 06	175	180	1260	41	45
8RP 98 - 07	175	180	1388	45	50
8RP 98 - 08	175	180	1516	49	54
8RP 98 - 09	175	180	1644	53	58
8RP 98 - 10	196	200	1772	55	63
8RP 98 - 11	196	200	1900	59	67
8RP 98 - 12	196	200	2028	63	72
8RP 98 - 13	196	200	2156	67	76
8RP 98 - 14	196	200	2284	71	80
8RP 98 - 15	196	200	2412	75	85
8RP 98 - 16	196	200	2540	79	89
8RP 98 - 17	196	200	2668	83	87

* G: Available Outlet Size 5" BSP

* D: Maximum Diameter With Single Cable Guard

** D: Maximum Diameter With Double Cable Guard upto 50 HP 6" Motor Joining.

8RP 98 - 01 to 8RP 98 - 09 Pump Are Available in 6" Joining.

8RP 98 - 10 to 8RP 98 - 17 Pump Are Available in 8" Joining.