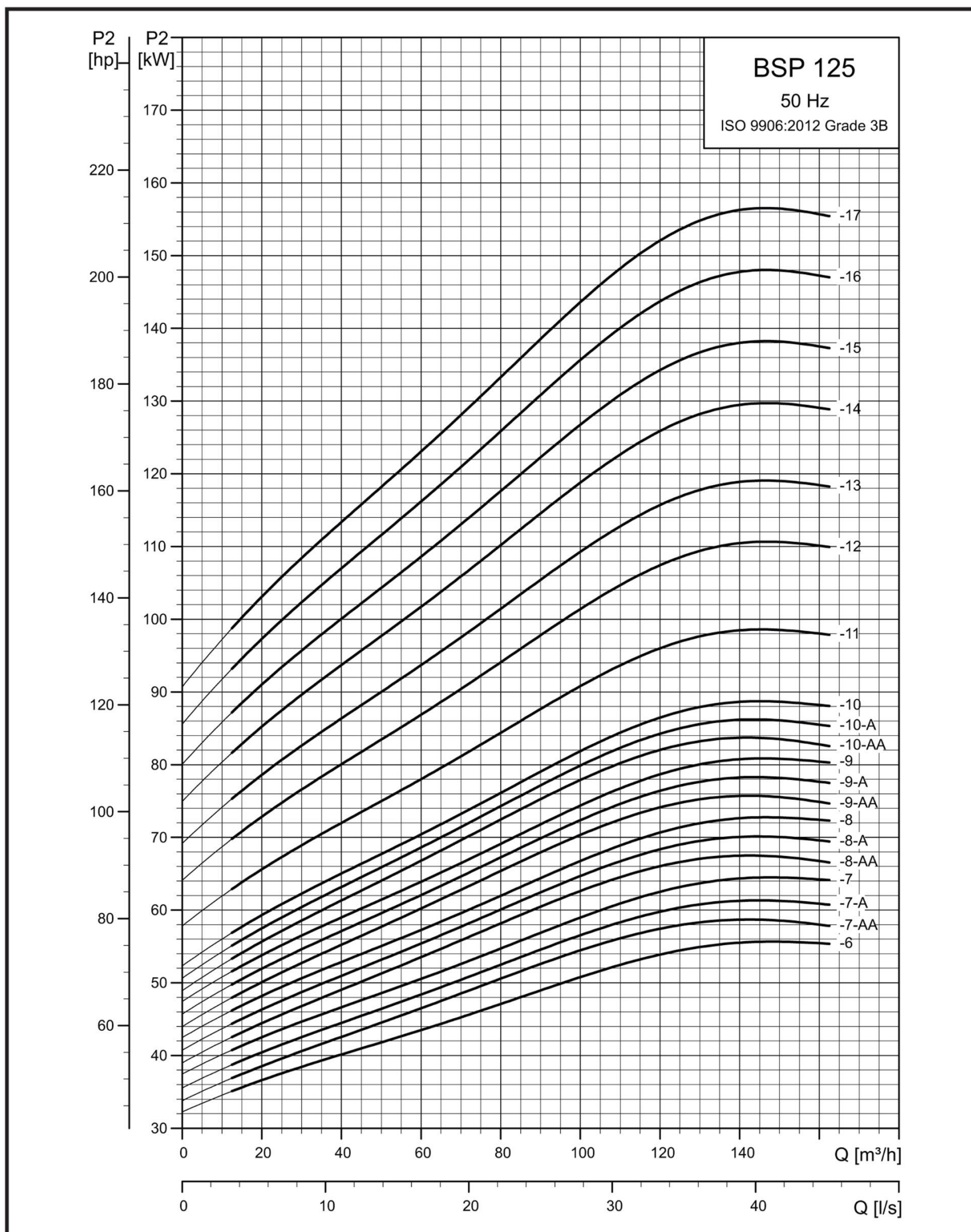


SUBMERSIBLE PUMP PERFORMANCE CHART

BORANA PUMPS PERFORMANCE CHART															
BSP-125		DISCHARGE (Q)													
		m3/h	0	60	70	80	90	100	110	120	130	140	150	160	162
		l/min.	0	1000	1167	1333	1500	1667	1833	2000	2167	2333	2500	2667	2700
MODEL	MOTOR RATING		TOTAL HEAD IN (m)												
	[kW]	[HP]													
BSP 125-1-A	7.5	10	21	19	18	17	17	16	15	14	12	10	8	6	5
BSP 125-1	11	15	30	27	25	24	23	22	21	20	19	17	15	13	12
BSP 125-2-AA	13	17.5	40	37	36	35	33	31	29	27	24	20	16	11	10
BSP 125-2-A	18.5	25	50	45	44	42	40	39	37	34	31	28	23	19	18
BSP 125-2	22	30	59	54	52	50	48	46	44	42	39	35	32	27	26
BSP 125-3-AA	22	30	69	63	61	59	56	54	50	47	42	36	30	22	21
BSP 125-3-A	26	35	78	72	69	67	64	61	58	54	50	45	38	31	30
BSP 125-3	30	40	88	80	77	74	72	69	66	62	58	53	47	40	39
BSP 125-4-AA	37	50	98	91	88	85	82	78	74	69	63	56	48	38	36
BSP 125-4-A	37	50	107	99	95	92	88	85	81	76	70	63	55	46	44
BSP 125-4	37	50	116	106	102	99	95	91	87	83	77	71	63	54	52
BSP 125-5-AA	45	60	127	120	116	112	108	103	98	93	85	77	66	54	52
BSP 125-5-A	45	60	136	127	123	119	115	110	105	100	93	84	74	63	60
BSP 125-5	55	75	146	137	132	127	123	118	114	108	102	93	84	72	70
BSP 125-6-AA	55	75	156	147	142	137	132	127	121	114	106	95	83	69	66
BSP 125-6-A	55	75	165	155	150	144	139	134	128	121	113	103	91	77	74
BSP 125-6	63	85	175	164	158	153	147	142	136	130	122	112	100	87	84
BSP 125-7-AA	63	85	185	174	168	163	157	151	144	136	126	114	100	83	80
BSP 125-7-A	63	85	194	182	176	170	164	158	151	143	133	122	107	92	88
BSP 125-7	75	100	204	191	184	178	172	165	159	151	142	130	117	101	97
BSP 125-8-AA	75	100	214	201	194	188	181	174	166	157	146	132	116	97	93
BSP 125-8-A	75	100	223	209	202	195	188	181	173	164	153	139	123	105	101
BSP 125-8	75	100	232	216	209	202	195	188	180	171	160	147	131	113	109
BSP 125-9-AA	93	125	241	227	219	212	204	196	187	177	164	149	130	110	105
BSP 125-9-A	93	125	250	234	226	219	211	203	194	184	171	156	138	117	113
BSP 125-9	93	125	260	242	234	226	218	209	201	191	178	163	146	125	121
BSP 125-10-AA	93	125	269	252	244	235	227	218	208	196	182	165	144	121	117
BSP 125-10-A	93	125	278	260	251	242	233	224	214	203	189	172	152	129	124
BSP 125-10	93	125	287	267	258	249	240	231	221	210	196	179	159	137	132

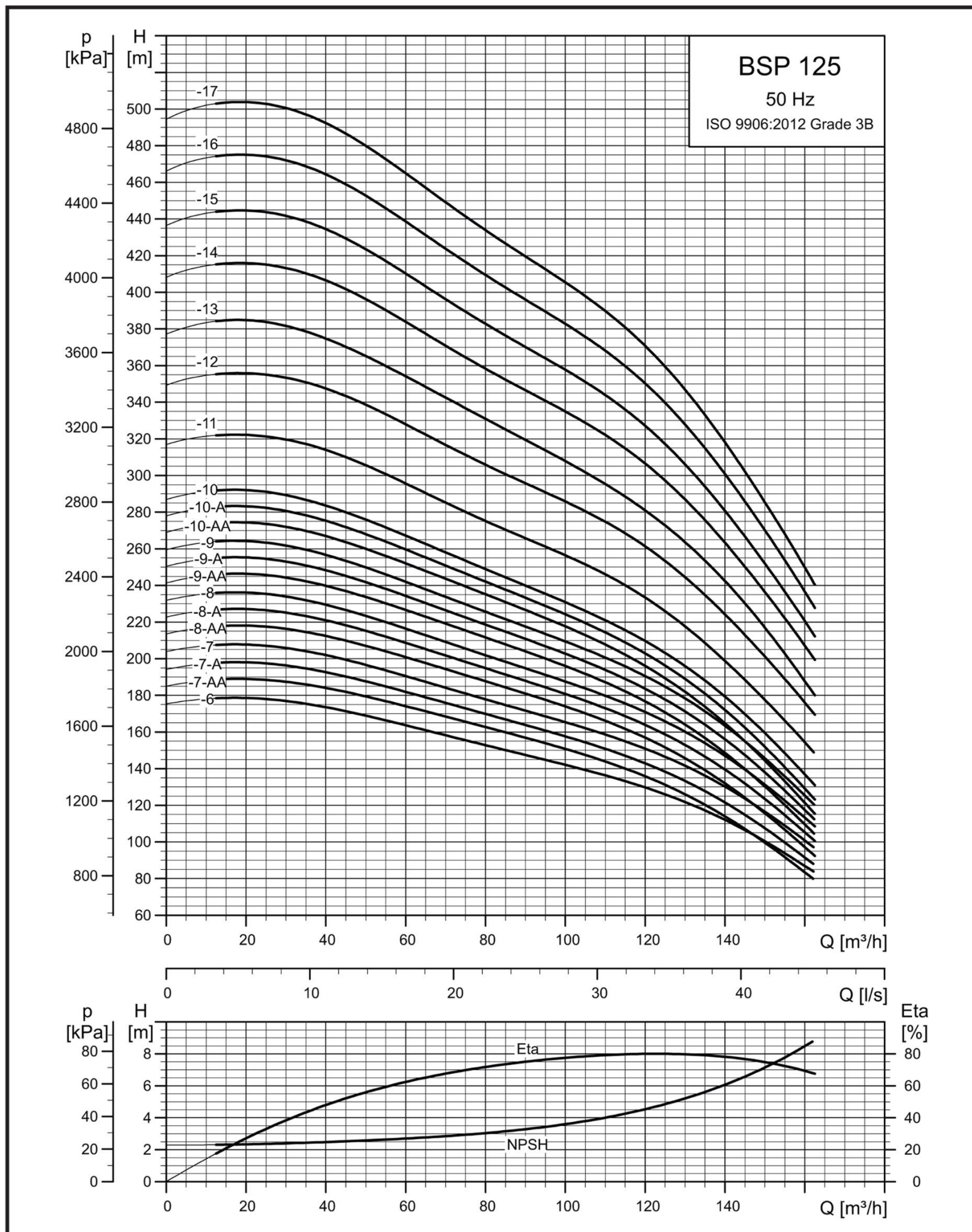
SUBMERSIBLE PUMP PERFORMANCE CURVE

BSP 125 - Power Curve



SUBMERSIBLE PUMP POWER CURVE

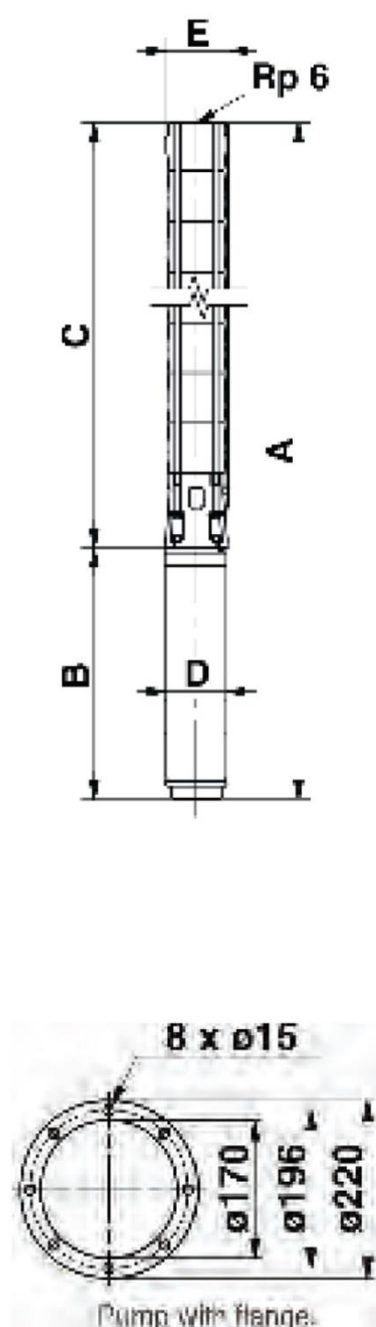
BSP 125 - Performance Curve



SUBMERSIBLE PUMP TECHNICAL DATA

BSP 125 - Technical Data

Dimensions and Weights



Pump type	Motor		Dimensions [mm]										Net weight [kg]
	Type	Power [kW]	Rp 6 connection				6" flange				B	D	
			A	C	E*	E**	A	C	E*	E**			
BSP 125-1-A	BSF 6	7.5	1230	656	211	218	1230	656	222	226	574	138	70
BSP 125-1	BSF 6	11	1290	656	211	218	1290	656	222	226	634	138	79
BSP 125-2-AA	BSF 6	13	1472	808	211	218	1472	808	222	226	664	138	88
BSP 125-2-A	BSF 6	18.5	1562	808	211	218	1562	808	222	226	754	138	97
BSP 125-2	BSF 6	22	1622	808	211	218	1622	808	222	226	814	138	103
BSP 125-3-AA	BSF 6	22	1774	960	211	218	1774	960	222	226	814	138	109
BSP 125-3-A	BSF 6	26	1834	960	211	218	1834	960	222	226	874	138	115
BSP 125-3	BSF 6	30	1904	960	211	218	1904	960	222	226	944	138	123
BSP 125-4-AA	BSF 6	37	2424	1112	211	218	2424	1112	222	226	1312	143	171
BSP 125-4-A	BSF 6	37	2424	1112	211	218	2424	1112	222	226	1312	143	171
BSP 125-4	BSF 6	37	2424	1112	211	218	2424	1112	222	226	1312	143	171
BSP 125-5-AA	BMCI 8	45	2534	1264	213	218	2534	1264	223	226	1270	192	236
BSP 125-5-A	BMCI 8	45	2534	1264	213	218	2534	1264	223	226	1270	192	236
BSP 125-5	BMCI 8	55	2614	1264	213	218	2614	1264	223	226	1350	192	251
BSP 125-6-AA	BMCI 8	55	2766	1416	213	218	2766	1416	223	226	1350	192	257
BSP 125-6-A	BMCI 8	55	2766	1416	213	218	2766	1416	223	226	1350	192	257
BSP 125-6	BMCI 8	63	2906	1416	218	227	2906	1416	229	232	1490	192	283
BSP 125-7-AA	BMCI 8	63	3058	1568	218	227	3058	1568	229	232	1490	192	289
BSP 125-7-A	BMCI 8	63	3058	1568	218	227	3058	1568	229	232	1490	192	289
BSP 125-7	BMCI 8	75	3158	1568	218	227	3158	1568	229	232	1590	192	308
BSP 125-8-AA	BMCI 8	75	3310	1720	218	227					1590	192	314
BSP 125-8-A	BMCI 8	75	3310	1720	218	227					1590	192	314
BSP 125-8	BMCI 8	75	3310	1720	218	227					1590	192	314
BSP 125-9-AA	BMCI 8	92	3702	1872	218	227					1830	192	366
BSP 125-9-A	BMCI 8	92	3702	1872	218	227					1830	192	366
BSP 125-9	BMCI 8	92	3702	1872	218	227					1830	192	366
BSP 125-10-AA	BMCI 8	92	3854	2024	218	227					1830	192	372
BSP 125-10-A	BMCI 8	92	3854	2024	218	227					1830	192	372
BSP 125-10	BMCI 8	92	3854	2024	218	227					1830	192	372
bSP 125-11	BMCI 8	110	4236	2176	218	227					2060	192	438
BSP 125-12	BMCI 10	132	4198	2328	237	237					1870	237	556
BSP 125-13	BMCI 10	132	4350	2480	237	237					1870	237	562
BSP 125-14	BMCI 10	147	4702	2632	237	237					2070	237	633
BSP 125-15	BMCI 10	147	4854	2784	237	237					2070	237	639
BSP 125-16	BMCI 10	170	5156	2936	237	237					2220	237	685
BSP 125-17	BMCI 10	170	5308	3088	237	237					2220	237	691

*Maximum diameter of pump with one motor cable.

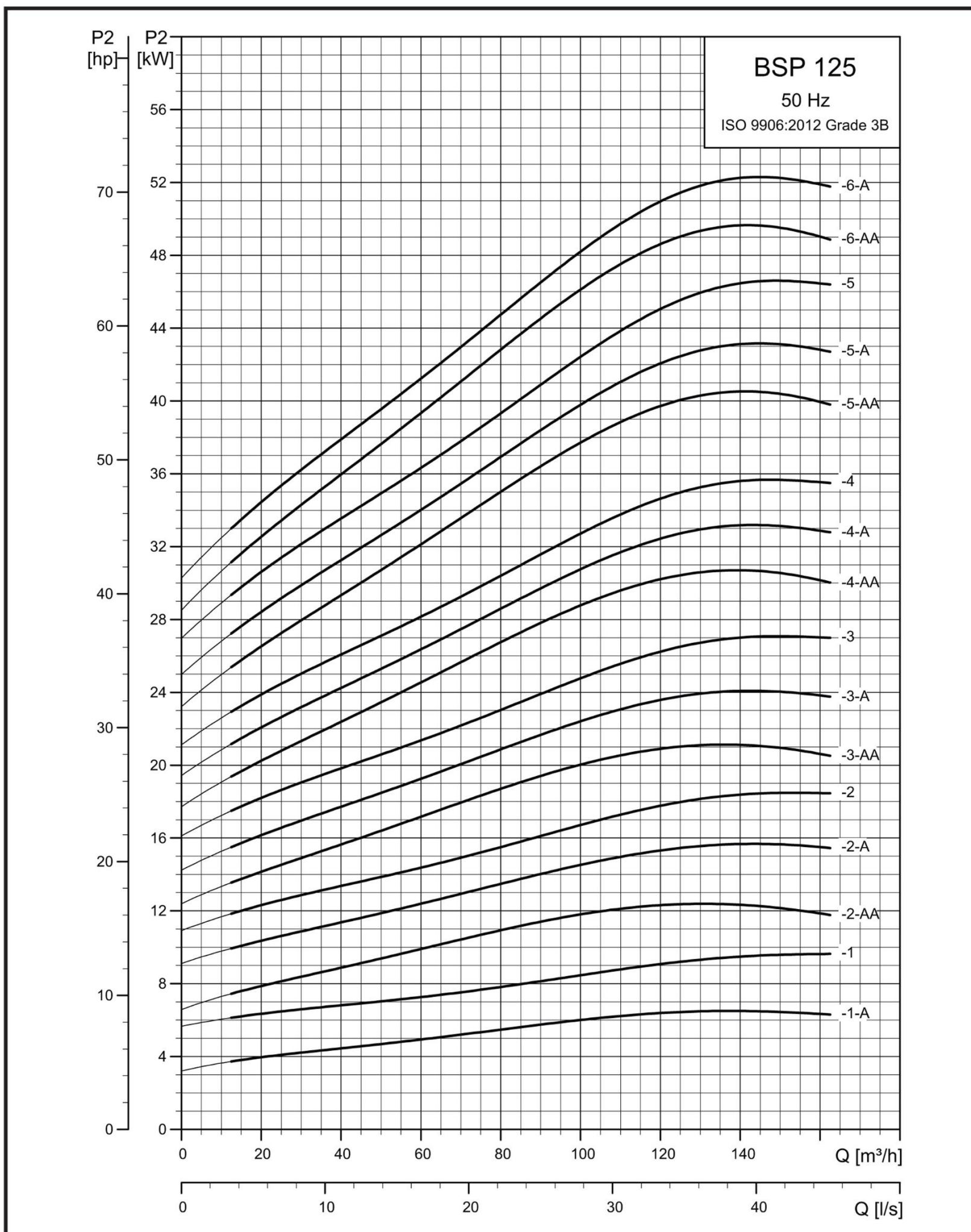
** Maximum diameter of pump with two motor cables.

The pump types above are also available in N-versions. See page 3.

Other types of connection are possible by means of connecting pieces.

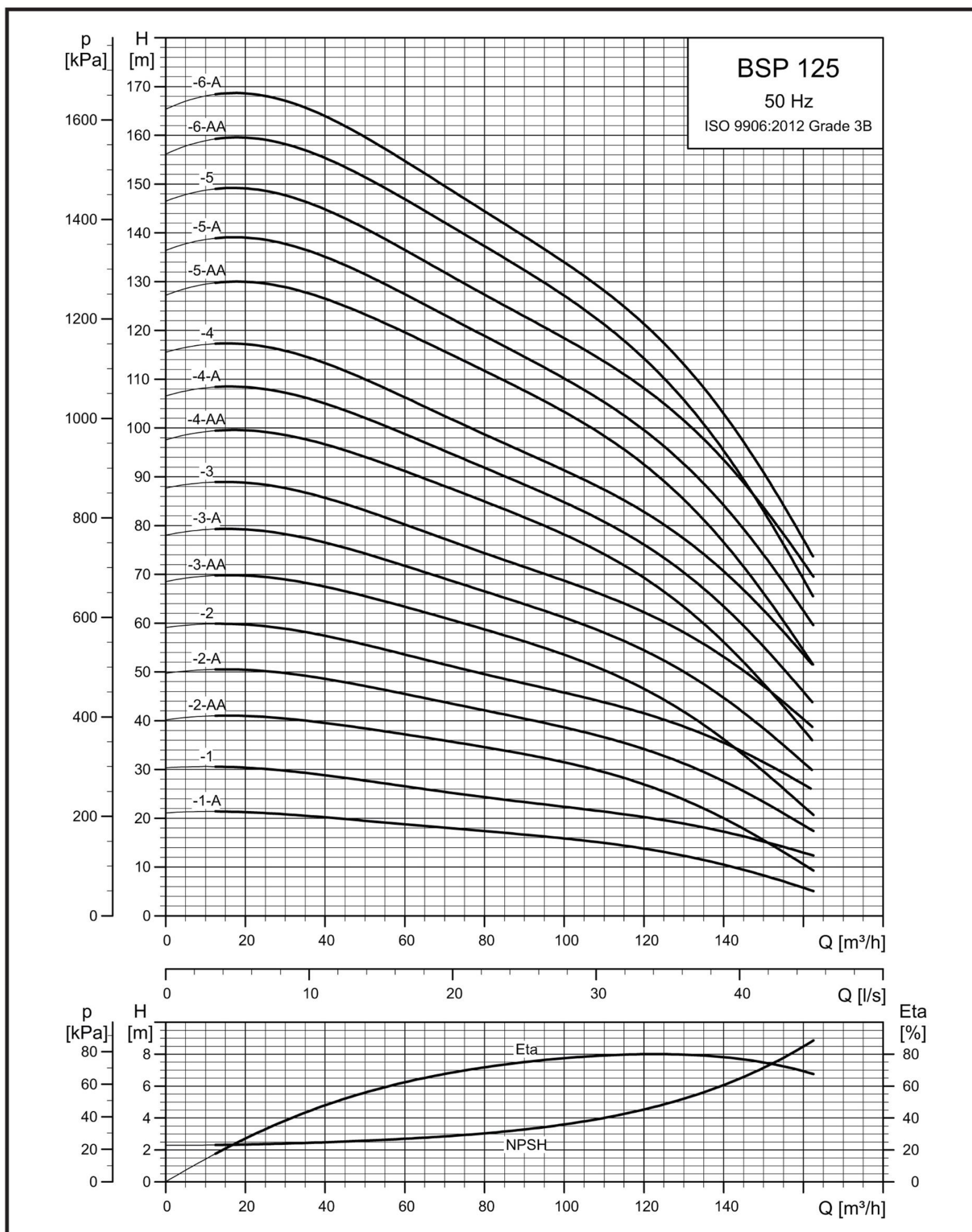
SUBMERSIBLE PUMP POWER CURVE

BSP 125 - Power Curve



SUBMERSIBLE PUMP PERFORMANCE CURVE

3.13 BSP 125 - Performance Curve

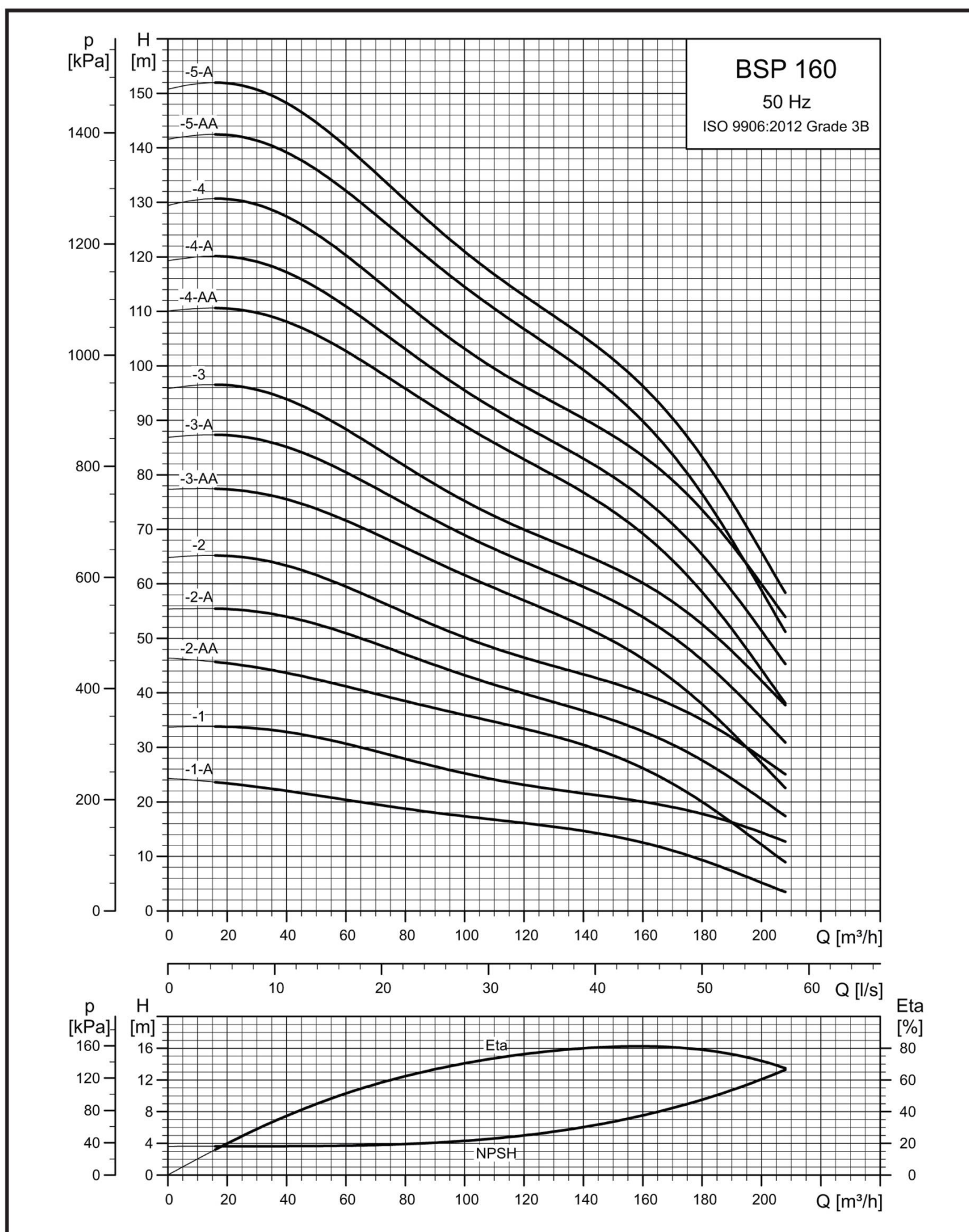


SUBMERSIBLE PUMP PERFORMANCE CHART

BORANA PUMPS PERFORMANCE CHART																		
BSP-160		DISCHARGE (Q)																
		m³/h	0	80	90	100	110	120	130	140	150	160	170	180	190	200	208	
		l/min.	0	1333	1500	1667	1833	2000	2167	2333	2500	2667	2833	3000	3167	3333	3467	
MODEL	CONNECTION	MOTOR RATING		TOTAL HEAD IN (m)														
		[kW]	[HP]															
BSP 160-1-A	Rp 6	9.3	12.5	24	19	18	17	17	16	15	15	14	13	11	9	7	5	3
BSP 160-1		13	17.5	34	28	26	25	24	23	22	22	21	20	19	18	16	14	13
BSP 160-2-AA		18.5	25	46	38	37	36	35	33	32	30	29	26	23	20	16	12	9
BSP 160-2-A		22	30	55	47	45	43	41	40	38	37	35	33	31	28	24	20	17
BSP 160-2		26	35	65	55	52	50	48	46	45	43	42	40	38	35	32	28	25
BSP 160-3-AA		30	40	77	67	64	62	59	57	55	52	49	46	42	38	33	27	23
BSP 160-3-A		37	50	87	75	72	69	66	64	62	59	57	54	50	46	41	35	31
BSP 160-3		37	50	96	82	78	75	72	70	68	65	63	60	57	53	48	42	38
BSP 160-4-AA		45	60	110	96	92	89	86	83	80	77	73	69	64	58	52	44	38
BSP 160-4-A		45	60	119	103	99	95	92	89	86	83	80	76	71	65	59	51	45
BSP 160-4		55	75	129	111	107	103	100	96	93	90	87	83	79	74	67	60	54
BSP 160-5-AA		55	75	142	123	119	114	111	107	103	99	95	90	84	76	68	59	51
BSP 160-5-A		55	75	151	130	126	121	117	113	109	105	101	96	90	83	75	66	58
BSP 160-5		63	85	161	139	133	129	124	120	116	113	109	104	98	91	83	74	67
BSP 160-6-AA		63	85	173	150	145	140	135	131	126	121	116	110	103	94	84	73	64
BSP 160-6-A		75	100	183	158	153	147	142	137	133	128	123	118	111	102	92	81	72
BSP 160-6		75	100	192	166	159	154	148	144	139	135	130	124	117	109	99	88	79
BSP 160-7-AA		75	100	204	177	171	165	159	154	149	143	137	130	122	112	100	87	76
BSP 160-7-A		92	125	213	184	177	171	165	160	155	149	144	137	128	118	107	94	84
BSP 160-7		92	125	222	191	184	177	171	166	161	155	150	143	135	125	113	101	91
BSP 160-8-AA		92	125	234	203	195	188	182	176	170	164	157	149	139	127	114	99	87
BSP 160-8-A		92	125	243	210	202	195	188	182	176	170	163	155	145	134	121	106	94
BSP 160-8		92	125	252	217	208	201	194	188	182	176	169	161	152	140	127	113	101
BSP 160-9-AA		110	150	266	231	223	215	207	201	194	187	179	170	159	146	131	115	102
BSP 160-9-A		110	150	275	238	229	221	214	207	200	193	186	177	166	153	138	122	109
BSP 160-9		110	150	284	245	236	227	220	213	206	199	192	183	172	160	145	129	116

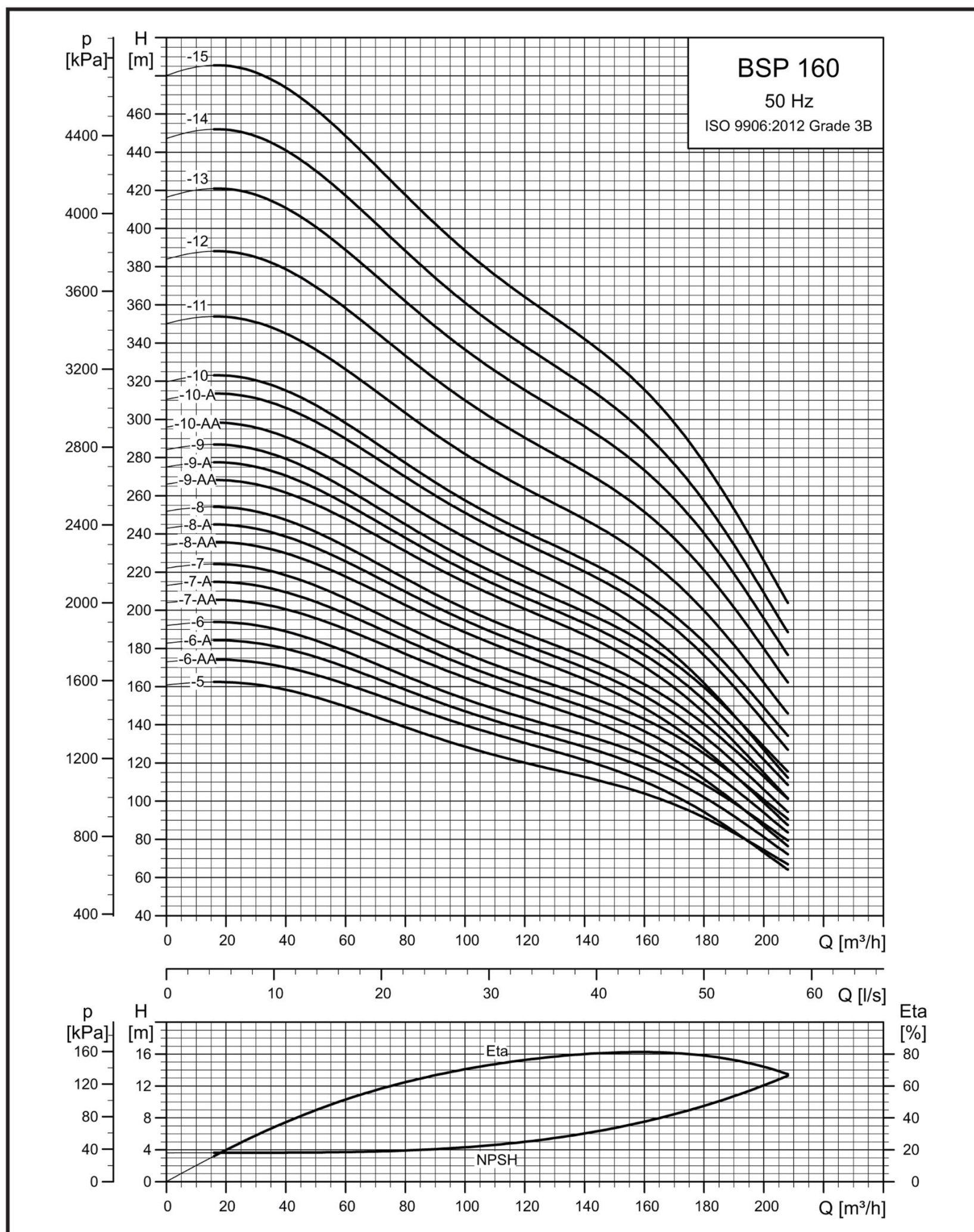
SUBMERSIBLE PUMP PERFORMANCE CURVE

3.14 BSP 160 - Performance Curve



SUBMERSIBLE PUMP PERFORMANCE CURVE

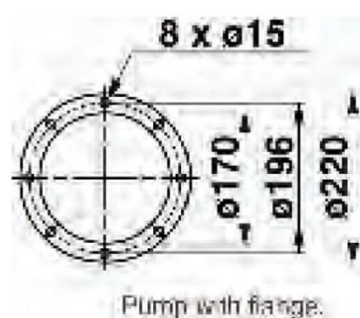
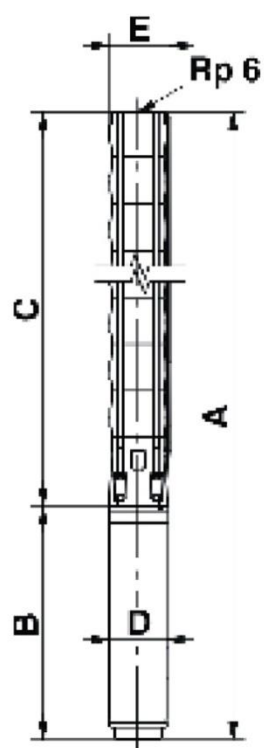
BSP 160 - Performance Curve



SUBMERSIBLE PUMP TECHNICAL DATA

BSP 160 - Technical Data

Dimensions and Weights



Pump with flange.

Pump type	Motor		Dimensions [mm]										Net weight [kg]
	Type	Power [kW]	Rp 6 connection				6" flange				B	D	
			A	C	E*	E**	A	C	E*	E**			
BSP 160-1-A	BSF 6	9.2	1255	651	211	218	1255	651	222	226	604	138	76
BSP 160-1	BSF 6	13	1315	651	211	218	1315	651	222	226	664	138	82
BSP 160-2-AA	BSF 6	18.5	1561	807	211	218	1561	807	222	226	754	138	97
BSP 160-2-A	BSF 6	22	1621	807	211	218	1621	807	222	226	814	138	103
BSP 160-2	BSF 6	26	1681	807	211	218	1681	807	222	226	874	138	109
BSP 160-3-AA	BSF 6	30	1907	963	211	218	1907	963	222	226	944	138	123
BSP 160-3-A	BSF 6	37	2275	963	211	218	2275	963	222	226	1312	143	165
BSP 160-3	BSF 6	37	2275	963	211	218	2275	963	222	226	1312	143	165
BSP 160-4-AA	BMCI 8	45	2389	1119	218	227	2389	1119	229	232	1270	192	230
BSP 160-4-A	BMCI 8	45	2389	1119	218	227	2389	1119	229	232	1270	192	230
BSP 160-4	BMCI 8	55	2469	1119	218	227	2469	1119	229	232	1350	192	245
BSP 160-5-AA	BMCI 8	55	2625	1275	218	227	2625	1275	229	232	1350	192	251
BSP 160-5-A	BMCI 8	55	2625	1275	218	227	2625	1275	229	232	1350	192	251
BSP 160-5	BMCI 8	63	2765	1275	218	227	2765	1275	229	232	1490	192	277
BSP 160-6-AA	BMCI 8	63	2921	1431	218	227	2921	1431	229	232	1490	192	283
BSP 160-6-A	BMCI 8	75	3021	1431	218	227	3021	1431	229	232	1590	192	302
BSP 160-6	BMCI 8	75	3021	1431	218	227	3021	1431	229	232	1590	192	302
BSP 160-7-AA	BMCI 8	75	3177	1587	218	227					1590	192	302
BSP 160-7-A	BMCI 8	92	3417	1587	218	227					1830	192	354
BSP 160-7	BMCI 8	92	3417	1587	218	227					1830	192	354
BSP 160-8-AA	BMCI 8	92	3573	1743	218	227					1830	192	360
BSP 160-8-A	BMCI 8	92	3573	1743	218	227					1830	192	360
BSP 160-8	BMCI 8	92	3573	1743	218	227					1830	192	360
BSP 160-9-AA	BMCI 8	110	3959	1899	218	227					2060	192	416
BSP 160-9-A	BMCI 8	110	3959	1899	218	227					2060	192	416
BSP 160-9	BMCI 8	110	3959	1899	218	227					2060	192	416
BSP 160-10-AA	BMCI 8	110	4411	2351	218	227					2060	192	432
BSP 160-10-A	BMCI 10	132	4221	2351	237	237					1870	237	544
BSP 160-10	BMCI 10	132	4221	2351	237	237					1870	237	544
BSP 160-11	BMCI 10	132	4273	2403	237	237					1870	237	550
BSP 160-12	BMCI 10	147	4629	2559	237	237					2070	237	621
BSP 160-13	BMCI 10	170	4934	2714	237	237					2220	237	667
BSP 160-14	BMCI 10	170	5090	2870	237	237					2220	237	673
BSP 160-15	BMCI 12	190	5005	3025	286	286					1980	286	803

*Maximum diameter of pump with one motor cable.

** Maximum diameter of pump with two motor cables.

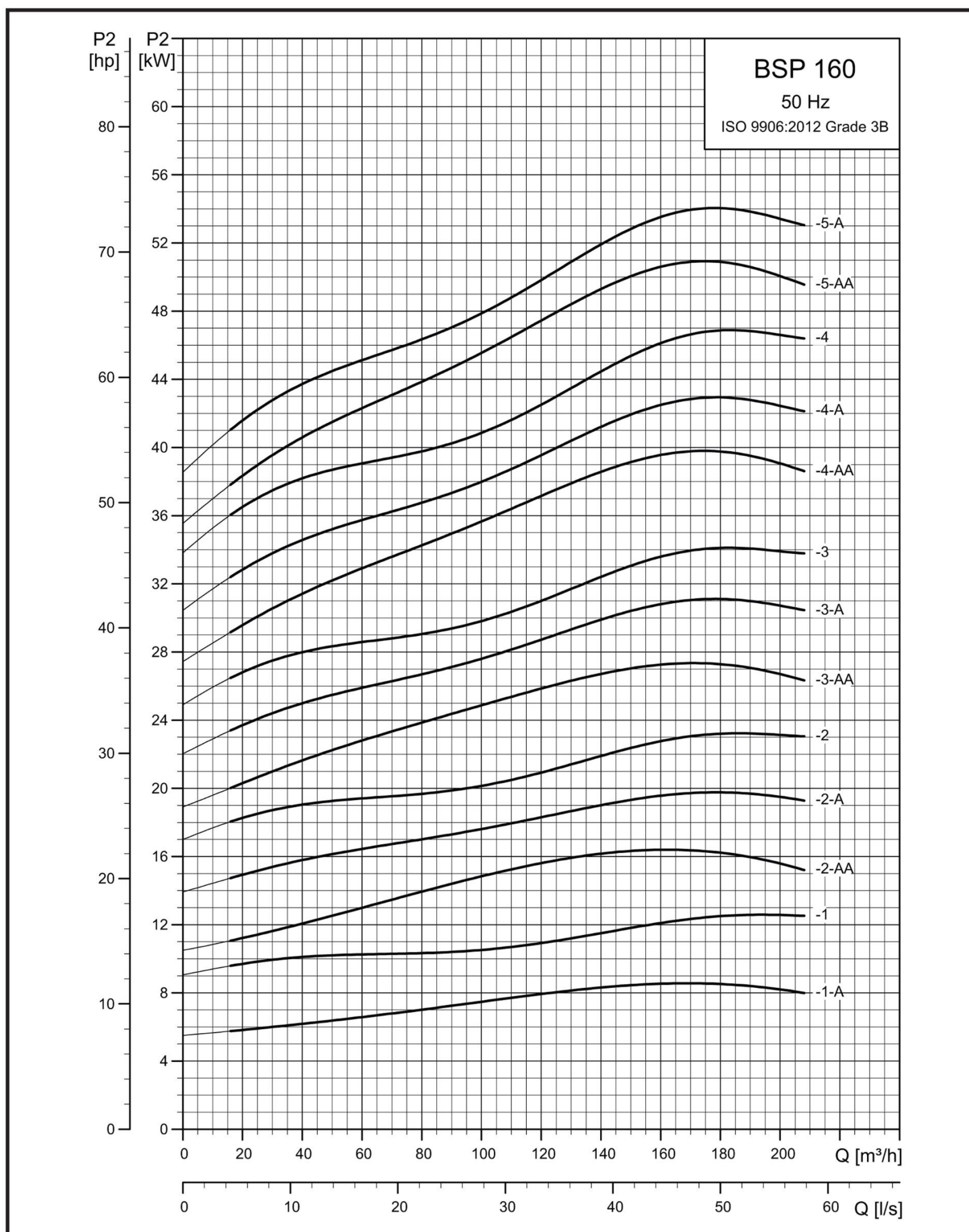
The pump types above are also available in N-versions. See page 3.

BSP 160-1-A to BSP 160-14 are also available in R-versions. See page 3.

Other types of connection are possible by means of connecting pieces.

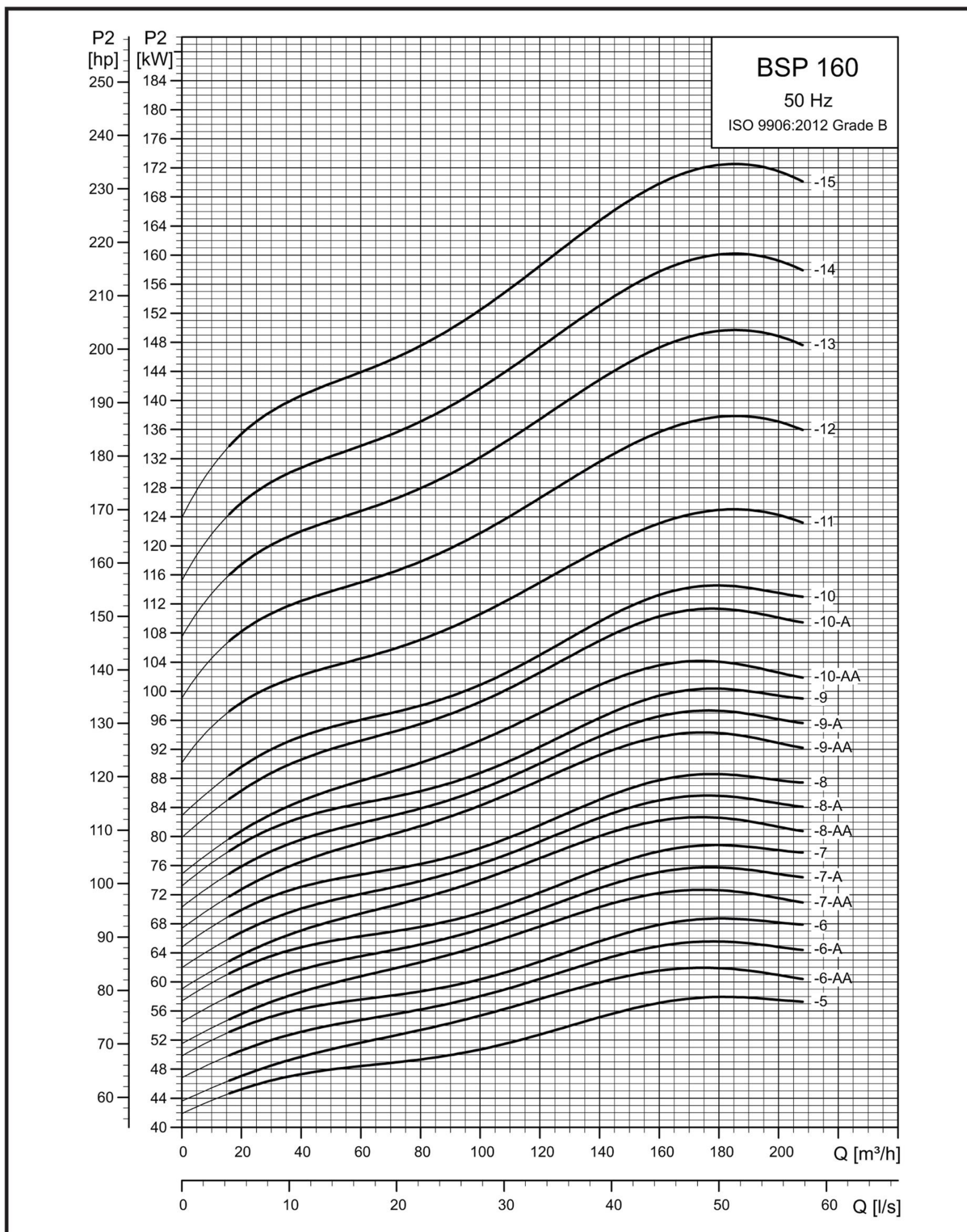
SUBMERSIBLE PUMP POWER CURVE

BSP 160 - Power Curve



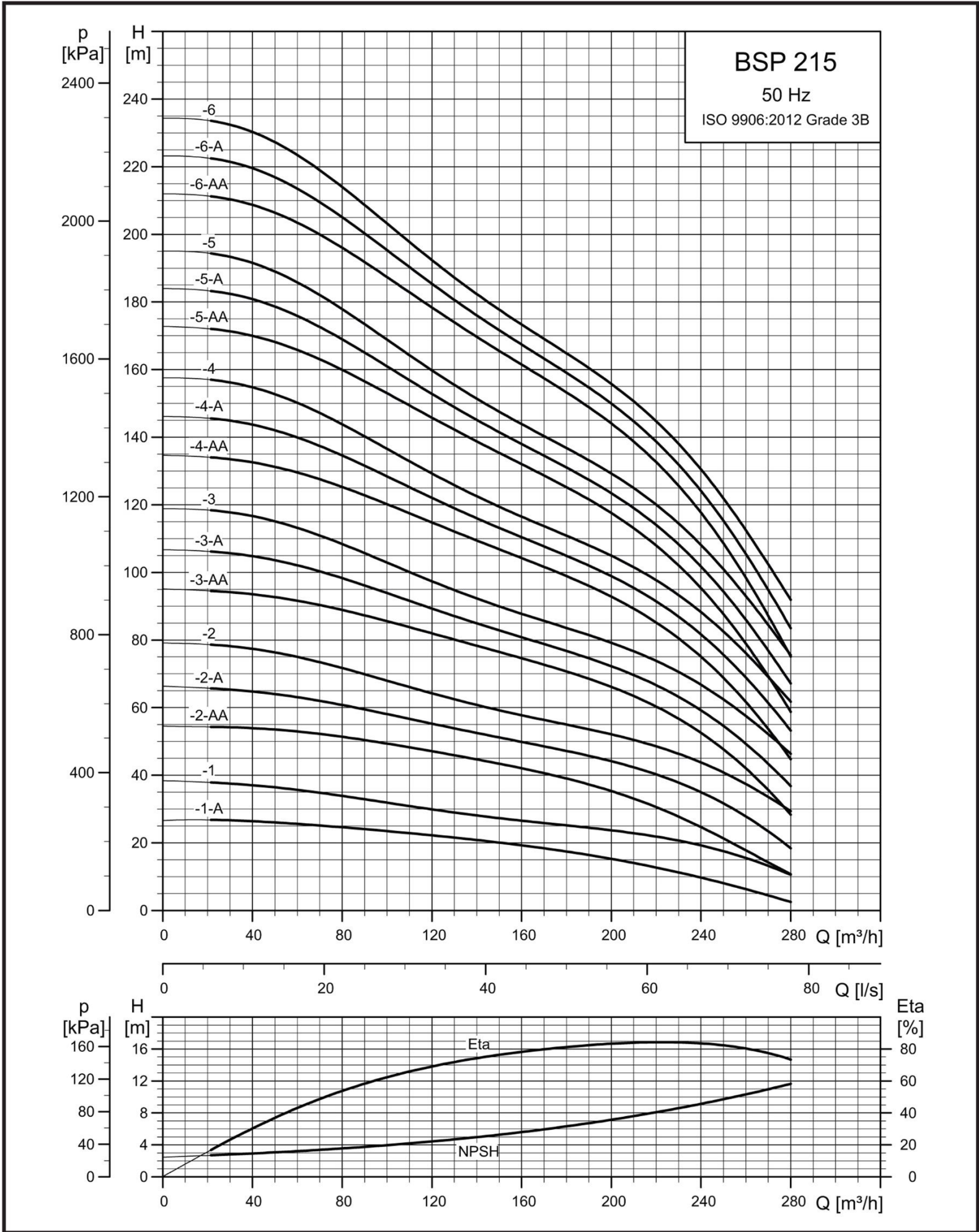
SUBMERSIBLE PUMP POWER CURVE

BSP 160 - Power Curve



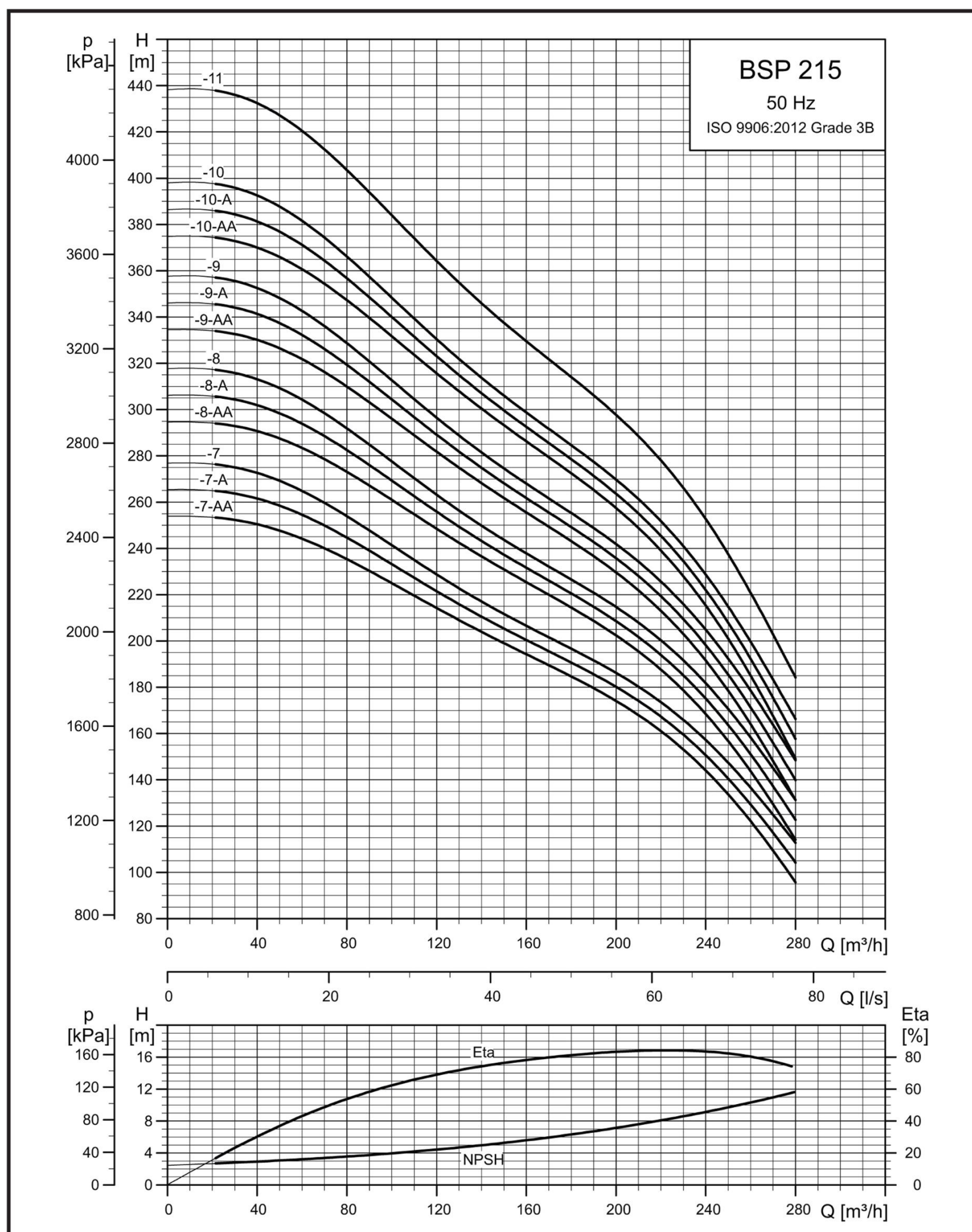
SUBMERSIBLE PUMP PERFORMANCE CURVE

3.15 BSP 215 - Performance Curve



SUBMERSIBLE PUMP PERFORMANCE CURVE

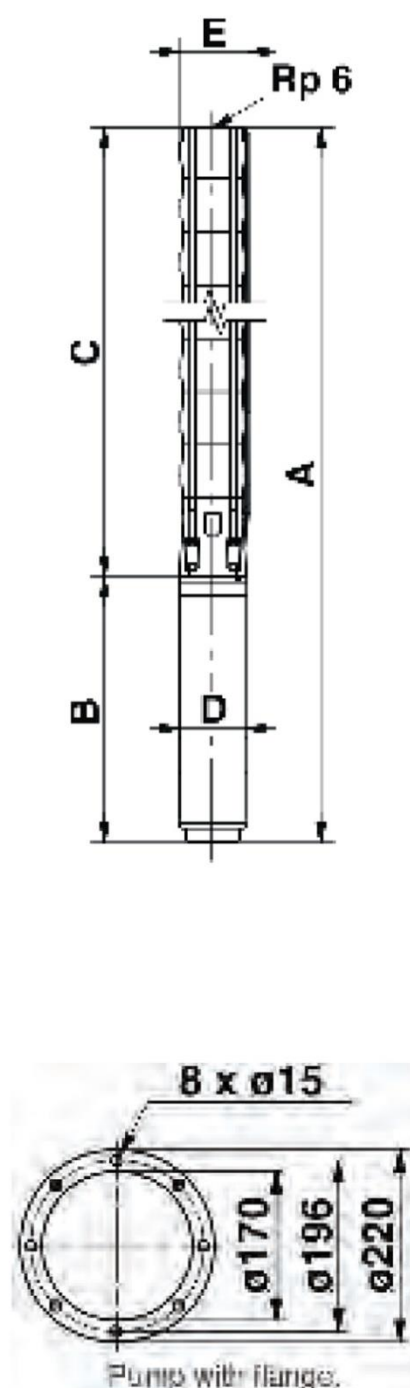
BSP 215 - Performance Curve



SUBMERSIBLE PUMP TECHNICAL DATA

BSP 215 - Technical Data

Dimensions and Weights



Pump type	Motor		Dimensions [mm]										Net weight [kg]
	Type	Power [kW]	Rp 6 connection				6" flange				B	D	
			A	C	E*	E**	A	C	E*	E**			
BSP 215-1-A	BSF 6	15	1489	790	241	247	1489	790	241	247	699	138	92
BSP 215-1	BSF 6	18.5	1544	790	241	247	1544	790	241	247	754	138	97
BSP 215-2-AA	BSF 6	30	1910	966	241	247	1910	966	241	247	944	138	127
BSP 215-2-A	BSF 6	37	2278	966	241	247	2278	966	241	247	1312	143	169
BSP 215-2	BMCI 8	45	2236	966	241	247	2236	966	241	247	1270	192	228
BSP 215-3-AA	BMCI 8	55	2492	1142	241	247	2492	1142	241	247	1350	192	253
BSP 215-3-A	BMCI 8	55	2492	1142	241	247	2492	1142	241	247	1350	192	253
BSP 215-3	BMCI 8	63	2632	1142	241	247	2632	1142	241	247	1490	192	279
BSP 215-4-AA	BMCI 8	75	2908	1318	241	247	2908	1318	241	247	1590	192	308
BSP 215-4-A	BMCI 8	75	2908	1318	241	247	2908	1318	241	247	1590	192	308
BSP 215-4	BMCI 8	75	2908	1318	241	247	2908	1318	241	247	1590	192	308
BSP 215-5-AA	BMCI 8	92	3324	1494	241	247	3324	1494	241	247	1830	192	364
BSP 215-5-A	BMCI 8	92	3324	1494	241	247	3324	1494	241	247	1830	192	364
BSP 215-5	BMCI 8	92	3554	1494	241	247	3554	1494	241	247	1830	192	364
BSP 215-6-AA	BMCI 8	110	3730	1670	241	247	3730	1670	241	247	2060	192	424
BSP 215-6-A	BMCI 8	110	3730	1670	241	247	3730	1670	241	247	2060	192	424
BSP 215-6	BMCI 8	110	3730	1670	241	247	3730	1670	241	247	2060	192	424
BSP 215-7-AA	BMCI 10	132	4016	2146	241	247					1870	237	547
BSP 215-7-A	BMCI 10	132	4016	2146	241	247					1870	237	547
BSP 215-7	BMCI 10	132	4016	2146	241	247					1870	237	547
BSP 215-8-AA	BMCI 10	147	4392	2322	241	247					2070	237	622
BSP 215-8-A	BMCI 10	147	4392	2322	241	247					2070	237	622
BSP 215-8	BMCI 10	147	4392	2322	241	247					2070	237	622
BSP 215-9-AA	BMCI 10	170	4718	2498	276	276					2220	237	672
BSP 215-9-A	BMCI 10	170	4718	2498	276	276					2220	237	672
BSP 215-9	BMCI 10	170	4718	2498	276	276					2220	237	672
BSP 215-10-AA	BMCI 12	190	4654	2674	276	276					1980	286	793
BSP 215-10-A	BMCI 12	190	4654	2674	276	276					1980	286	793
BSP 215-10	BMCI 12	190	4654	2674	276	276					1980	286	793
BSP 215-11	BMCI 12	220	4990	2850	286	286					2140	286	853

*Maximum diameter of pump with one motor cable.

** Maximum diameter of pump with two motor cables.

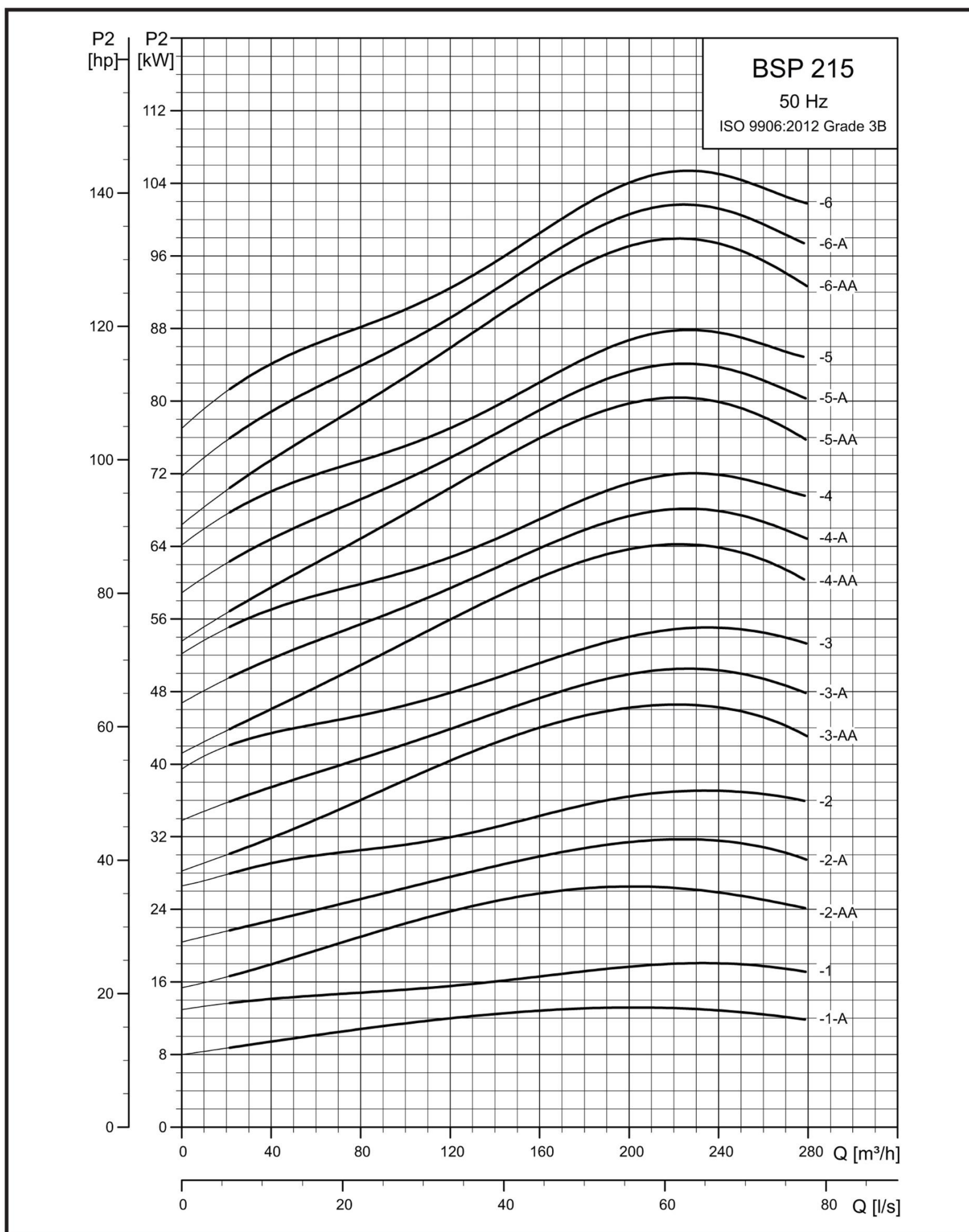
The pump types above are also available in N-versions. See page 3.

BSP 215-1-A to BSP 215-9 are also available in R-versions. See page 3.

Other types of connection are possible by means of connecting pieces.

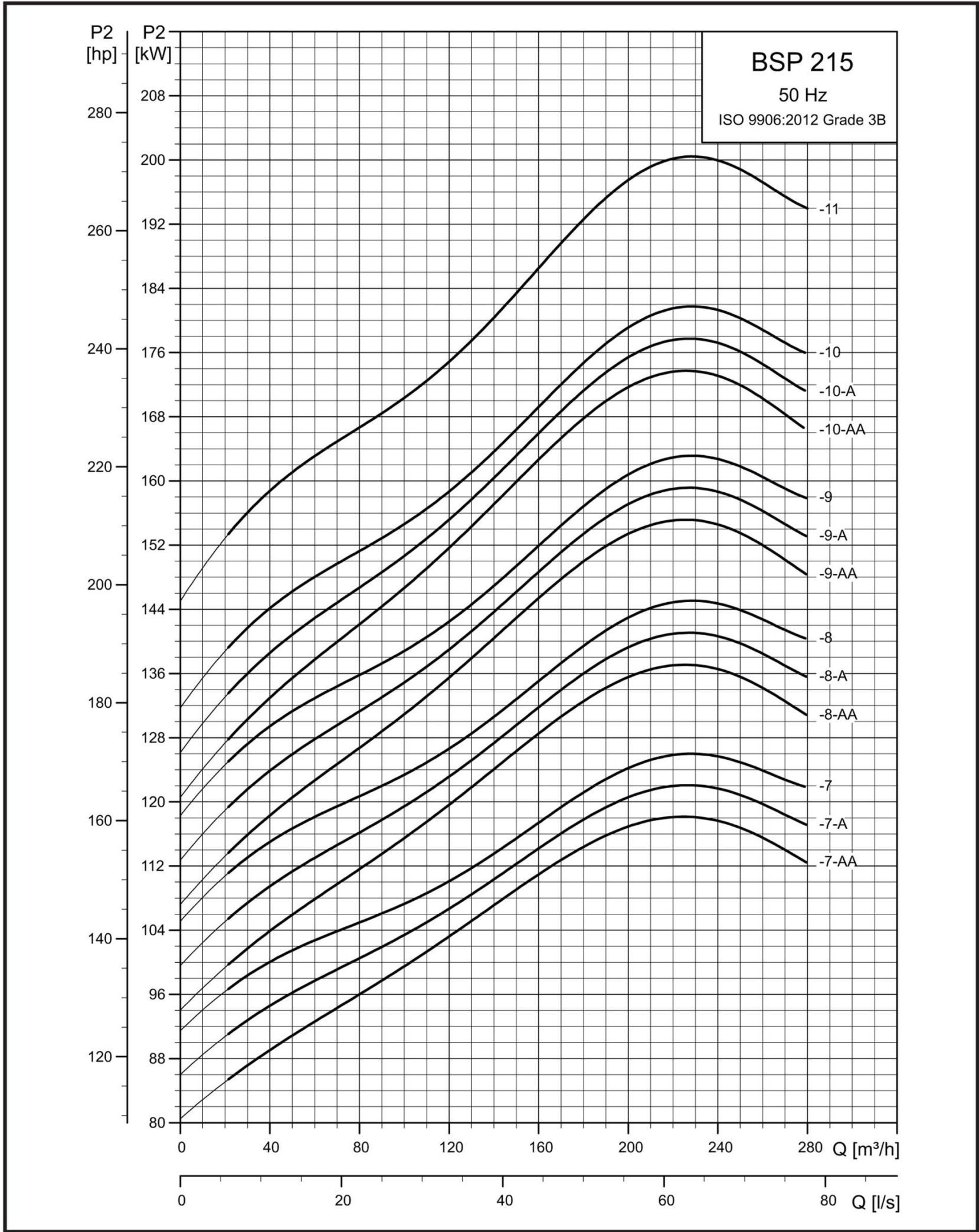
SUBMERSIBLE PUMP POWER CURVE

BSP 215 - Power Curve



SUBMERSIBLE PUMP POWER CURVE

BSP 215 - Power Curve



Important Note:

- Performance May Vary Depending Upon Voltage, Frequency and Field Conditions
- Price List & Technical Data May Change Without Prior Notice.