



10" Product data

Stainless steel submersible bore well pumps

Construction

- Submersible motor & pumps for deep wells of 10" (DN 250mm)
- Sized for connection to the motor according to NEMA standards up to 8" motor joining.
- Delivery casing with built-in non-return valve.
- All standard pumps are completely manufactured out of stainless steel AISI 304 sheet metal.
- Impellers:
 - Mixed flow impellers
 - MSP125, MSP160, MSP215
- Connection: Screwed pipe connection with BSP thread as standard.

Applications

- Water supply
- Irrigation
- Civil
- Industrial
- Fire fighting

Performance range

- Flow range: Max. 280m³/h
- Head range: Max 505m

Operating conditions

- Liquid temperature: 0°C to +45°C
- Max. sand content into the water: 50 g/m³
- Max. starts per hour: 20 at regular intervals
- Direction of rotation: Clockwise as seen from the pump coupling side

Special construction on request

- Also available in stainless steel AISI 316 material.
- Also available with NPT thread pipe connection.

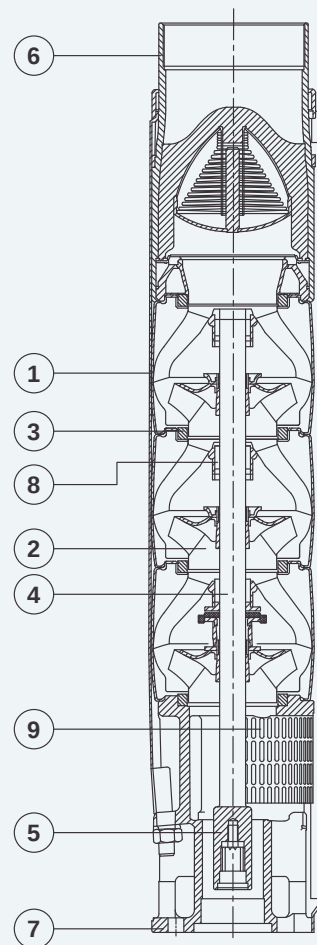




10" Construction

Stainless steel submersible bore well pumps

Sectional Drawing



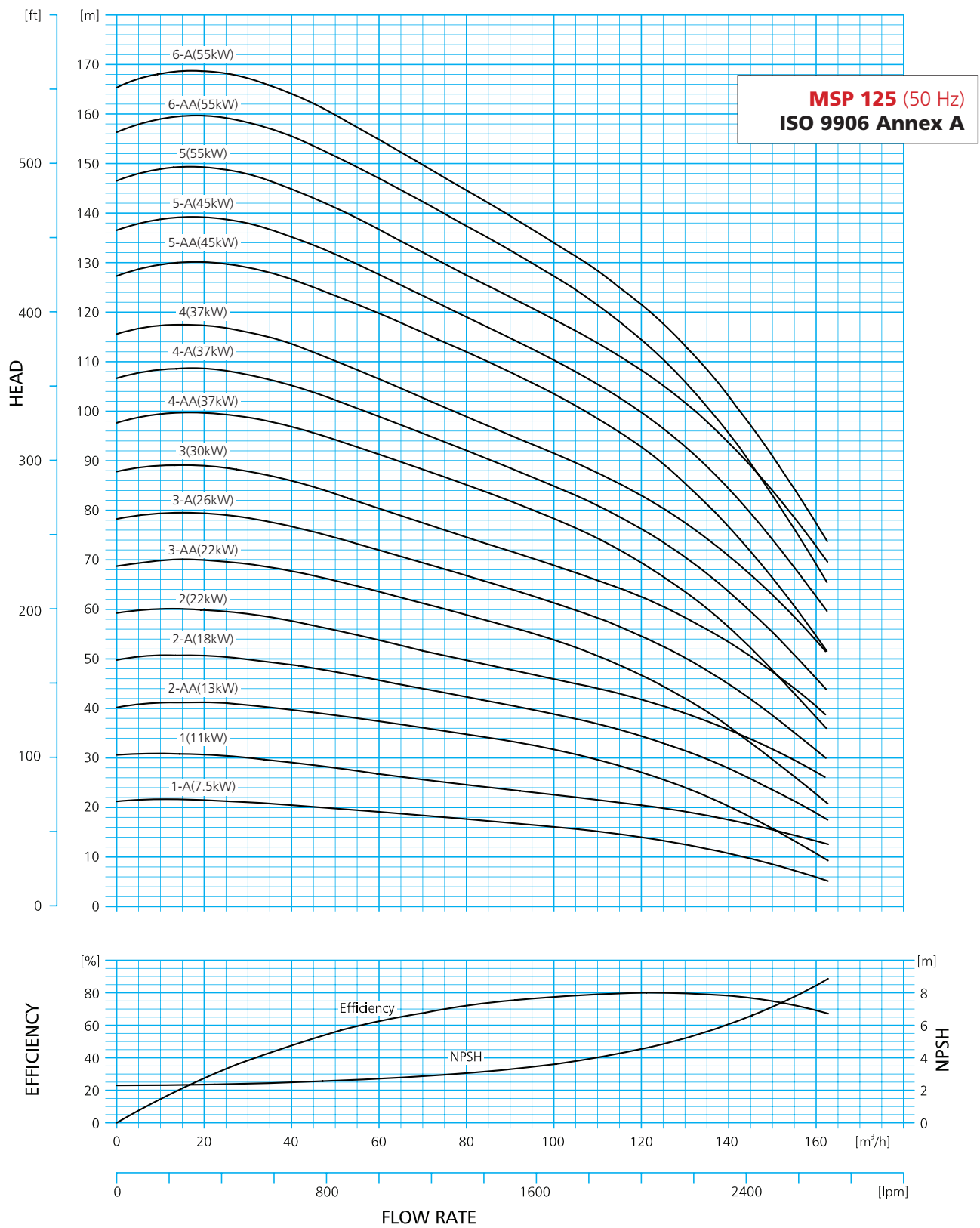
MSP Type Pump
MSP125, MSP160, MSP215

Materials

Pos.	Component	Material
1	Bowl / Diffuser	Stainless steel AISI 304
2	Impeller	Stainless steel AISI 304
3	Neck ring	NBR
4	Shaft	Stainless steel AISI 431
5	Couple	Stainless steel AISI 316
6	Delivery casing	Stainless steel AISI 304
7	Suction case	Stainless steel AISI 304
8	Bearing bush	NBR
9	Strainer	Stainless steel AISI 304



Performance Curve





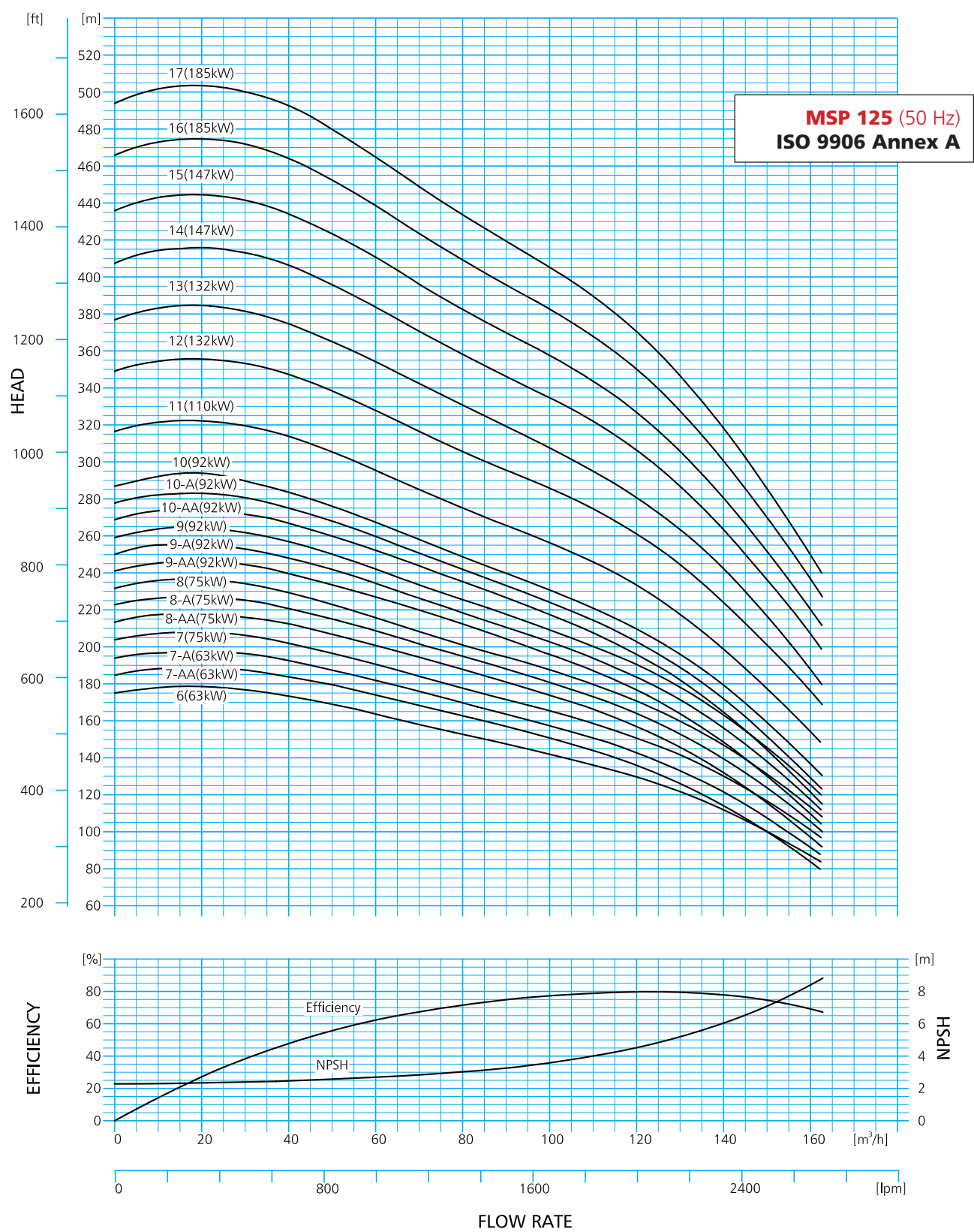
Performance Table

Mixed Flow 10" Electric Submersible Pump

MSP-125		Q	n = 2900 rpm												
		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 Meters												
	[kW]	[HP]													
MSP125-1-A	7.5	10	21	19	18	17	17	16	15	14	12	10	8	6	5
MSP125-1	11	15	30	27	25	24	23	22	21	20	19	17	15	13	12
MSP125-2-AA	13	17.5	40	37	36	35	33	31	29	27	24	20	16	11	10
MSP125-2-A	18.5	25	50	45	44	42	40	39	37	34	31	28	23	19	18
MSP-125-2	22	30	59	54	52	50	48	46	44	42	39	35	32	27	26
MSP125-3-AA	22	30	69	63	61	59	56	54	50	47	42	36	30	22	21
MSP125-3-A	26	35	78	72	69	67	64	61	58	54	50	45	38	31	30
MSP125-3	30	40	88	80	77	74	72	69	66	62	58	53	47	40	39
MSP125-4-AA	37	50	98	91	88	85	82	78	74	69	63	56	48	38	36
MSP125-4-A	37	50	107	99	95	92	88	85	81	76	70	63	55	46	44
MSP125-4	37	50	116	106	102	99	95	91	87	83	77	71	63	54	52
MSP125-5-AA	45	60	127	120	116	112	108	103	98	93	85	77	66	54	52
MSP125-5-A	45	60	136	127	123	119	115	110	105	100	93	84	74	63	60
MSP125-5	55	75	146	137	132	127	123	118	114	108	102	93	84	72	70
MSP125-6-AA	55	75	156	147	142	137	132	127	121	114	106	95	83	69	66
MSP125-6-A	55	75	165	155	150	144	139	134	128	121	113	103	91	77	74



Performance Curve



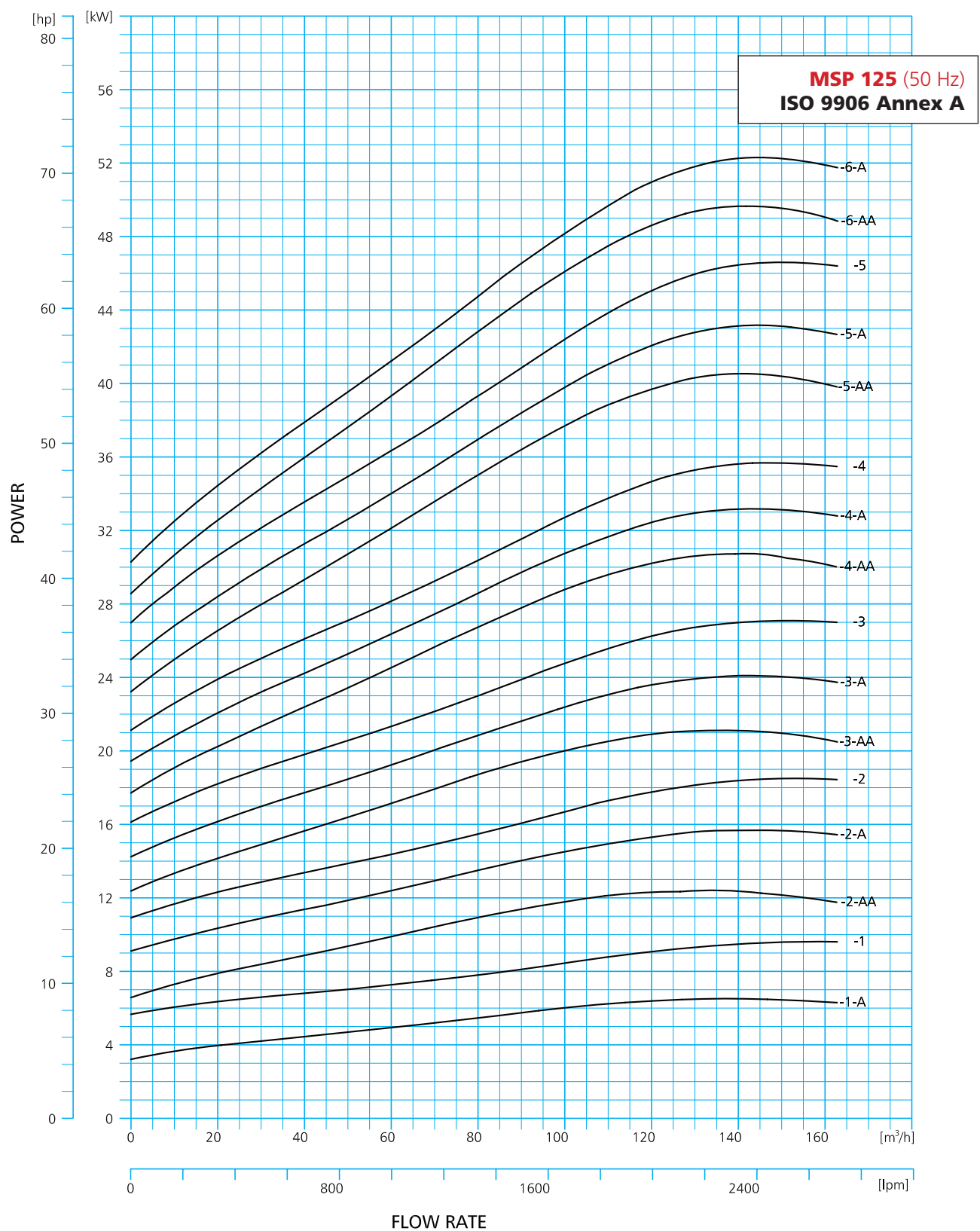


Performance Table

Mixed Flow 10" Electric Submersible Pump															
MSP-125		Q	n = 2900 rpm												
		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 Meters												
	[kW]	[HP]													
MSP125-6	63	85	175	164	158	153	147	142	136	130	122	112	100	87	84
MSP125-7-AA	63	85	185	174	168	163	157	151	144	136	126	114	100	83	80
MSP125-7-A	63	85	194	182	176	170	164	158	151	143	133	122	107	92	88
MSP125-7	75	100	204	191	184	178	172	165	159	151	142	130	117	101	97
MSP125-8-AA	75	100	214	201	194	188	181	174	166	157	146	132	116	97	93
MSP125-8-A	75	100	223	209	202	195	188	181	173	164	153	139	123	105	101
MSP125-8	75	100	232	216	209	202	195	188	180	171	160	147	131	113	109
MSP125-9-AA	93	125	241	227	219	212	204	196	187	177	164	149	130	110	105
MSP125-9-A	93	125	250	234	226	219	211	203	194	184	171	156	138	117	113
MSP125-9	93	125	260	242	234	226	218	209	201	191	178	163	146	125	121
MSP125-10-AA	93	125	269	252	244	235	227	218	208	196	182	165	144	121	117
MSP125-10-A	93	125	278	260	251	242	233	224	214	203	189	172	152	129	124
MSP125-10	93	125	287	267	258	249	240	231	221	210	196	179	159	137	132

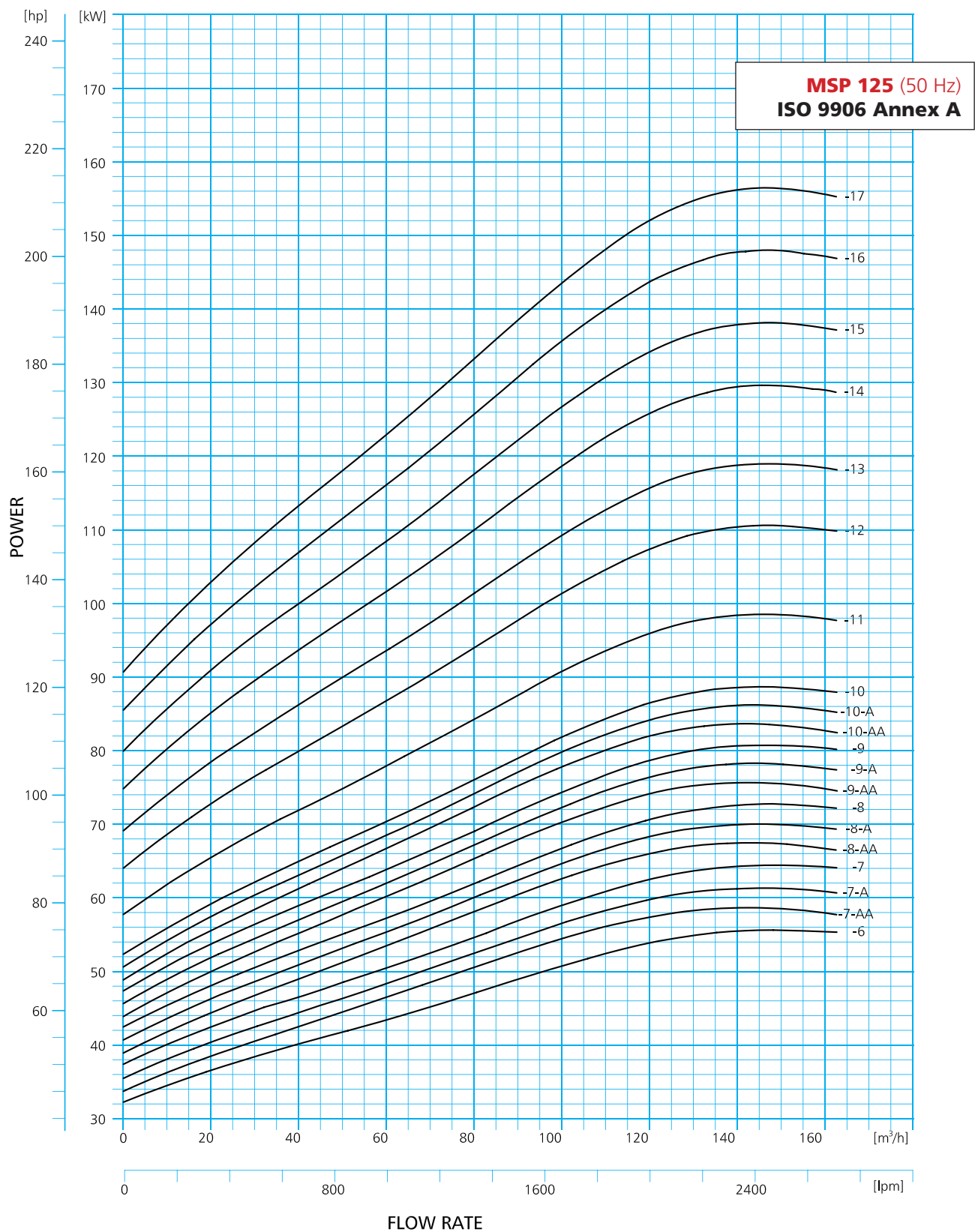


Performance Curve



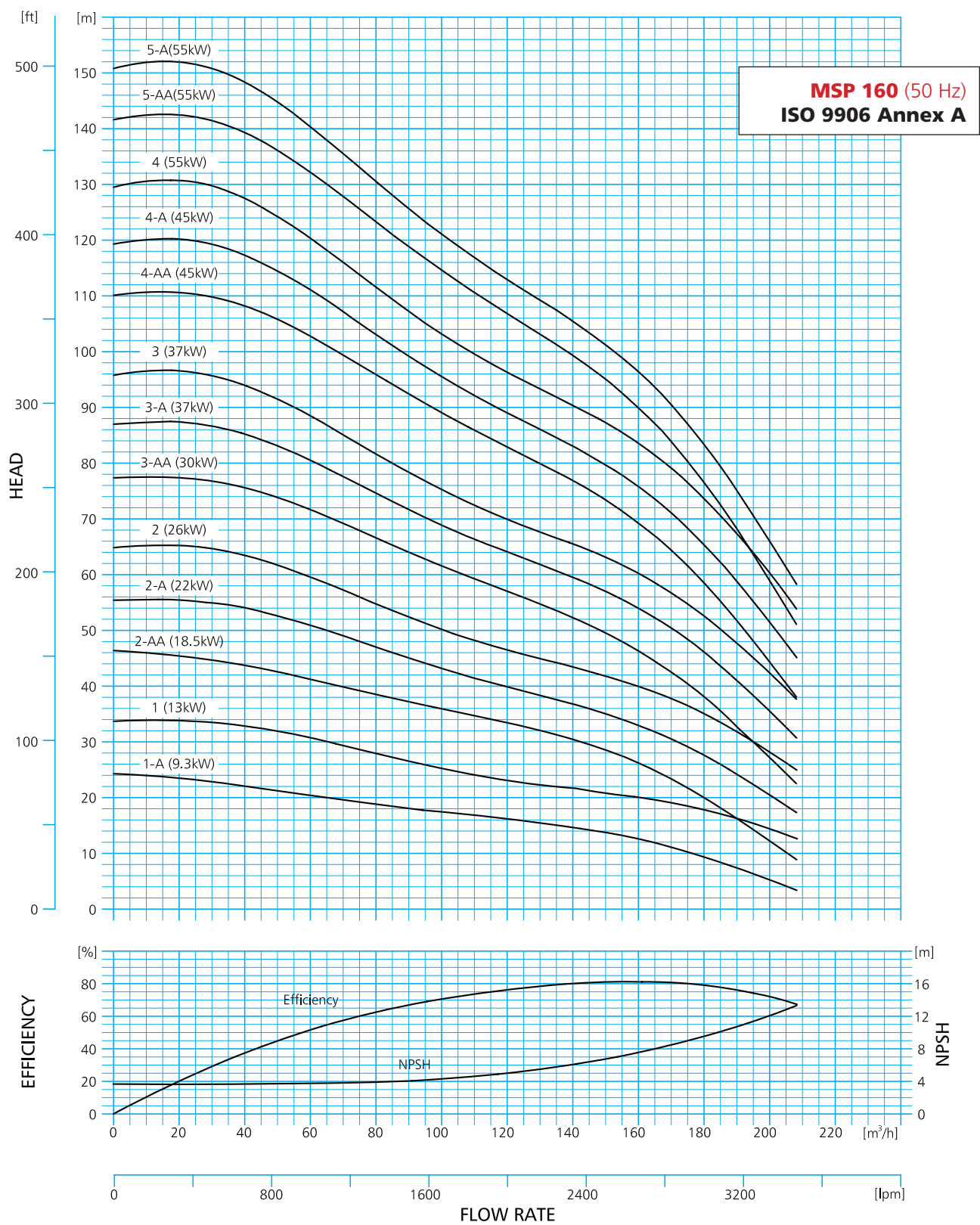


Performance Curve





Performance Curve





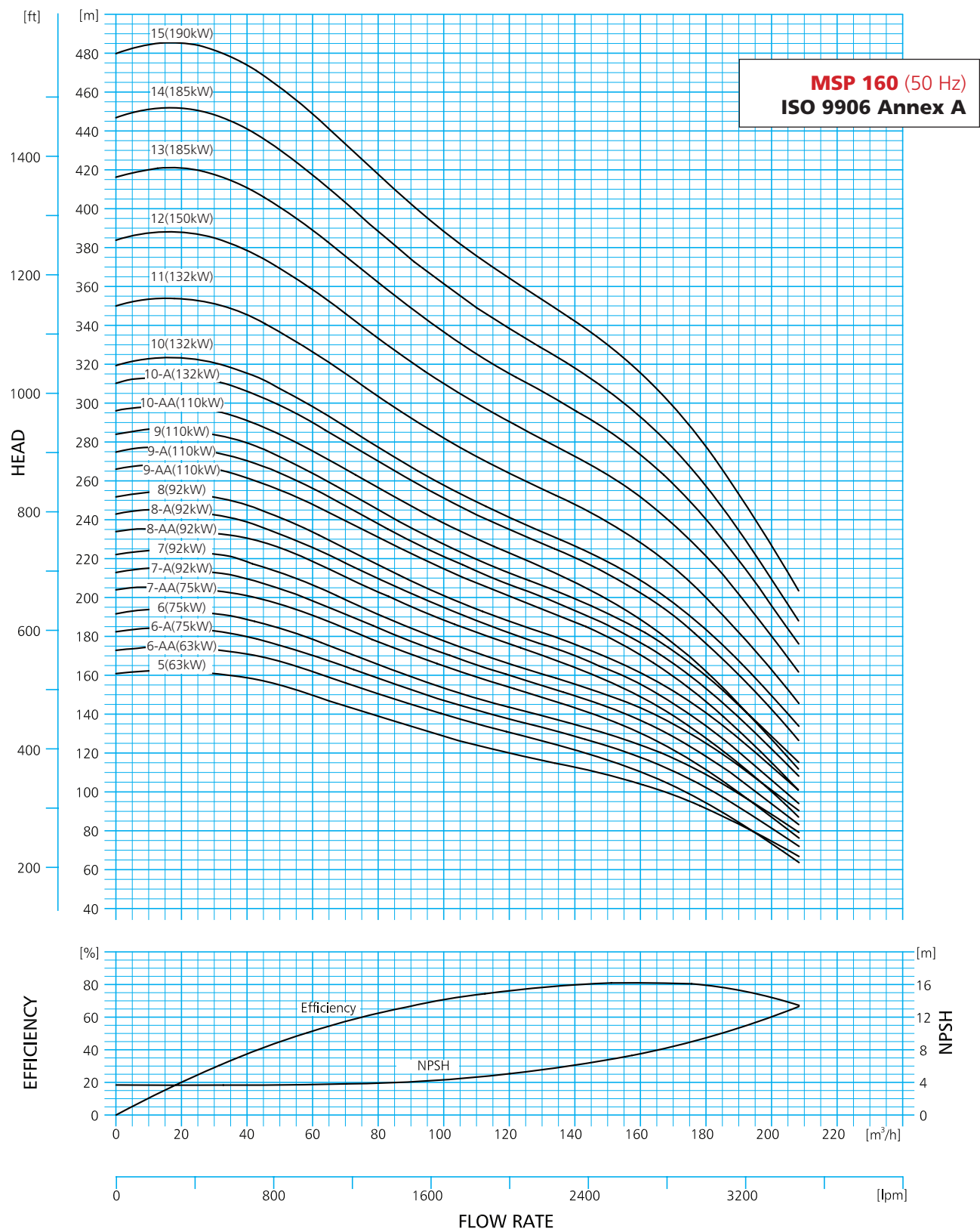
Performance Table

Mixed Flow 10" Electric Submersible Pump

MSP-160		Q	n = 2900 rpm														
		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	Motor Rating		Total Head In Meters														
	[kW]	[HP]															
MSP160-1-A	9.3	12.5	24	19	18	17	17	16	15	15	14	13	11	9	7	5	3
MSP160-1	13	17.5	34	28	26	25	24	23	22	22	21	20	19	18	16	14	13
MSP160-2-AA	18.5	25	46	38	37	36	35	33	32	30	29	26	23	20	16	12	9
MSP160-2-A	22	30	55	47	45	43	41	40	38	37	35	33	31	28	24	20	17
MSP160-2	26	35	65	55	52	50	48	46	45	43	42	40	38	35	32	28	25
MSP160-3-AA	30	40	77	67	64	62	59	57	55	52	49	46	42	38	33	27	23
MSP160-3-A	37	50	87	75	72	69	66	64	62	59	57	54	50	46	41	35	31
MSP160-3	37	50	96	82	78	75	72	70	68	65	63	60	57	53	48	42	38
MSP160-4-AA	45	60	110	96	92	89	86	83	80	77	73	69	64	58	52	44	38
MSP160-4-A	45	60	119	103	99	95	92	89	86	83	80	76	71	65	59	51	45
MSP160-4	55	75	129	111	107	103	100	96	93	90	87	83	79	74	67	60	54
MSP160-5-AA	55	75	142	123	119	114	111	107	103	99	95	90	84	76	68	59	51
MSP160-5-A	55	75	151	130	126	121	117	113	109	105	101	96	90	83	75	66	58



Performance Curve





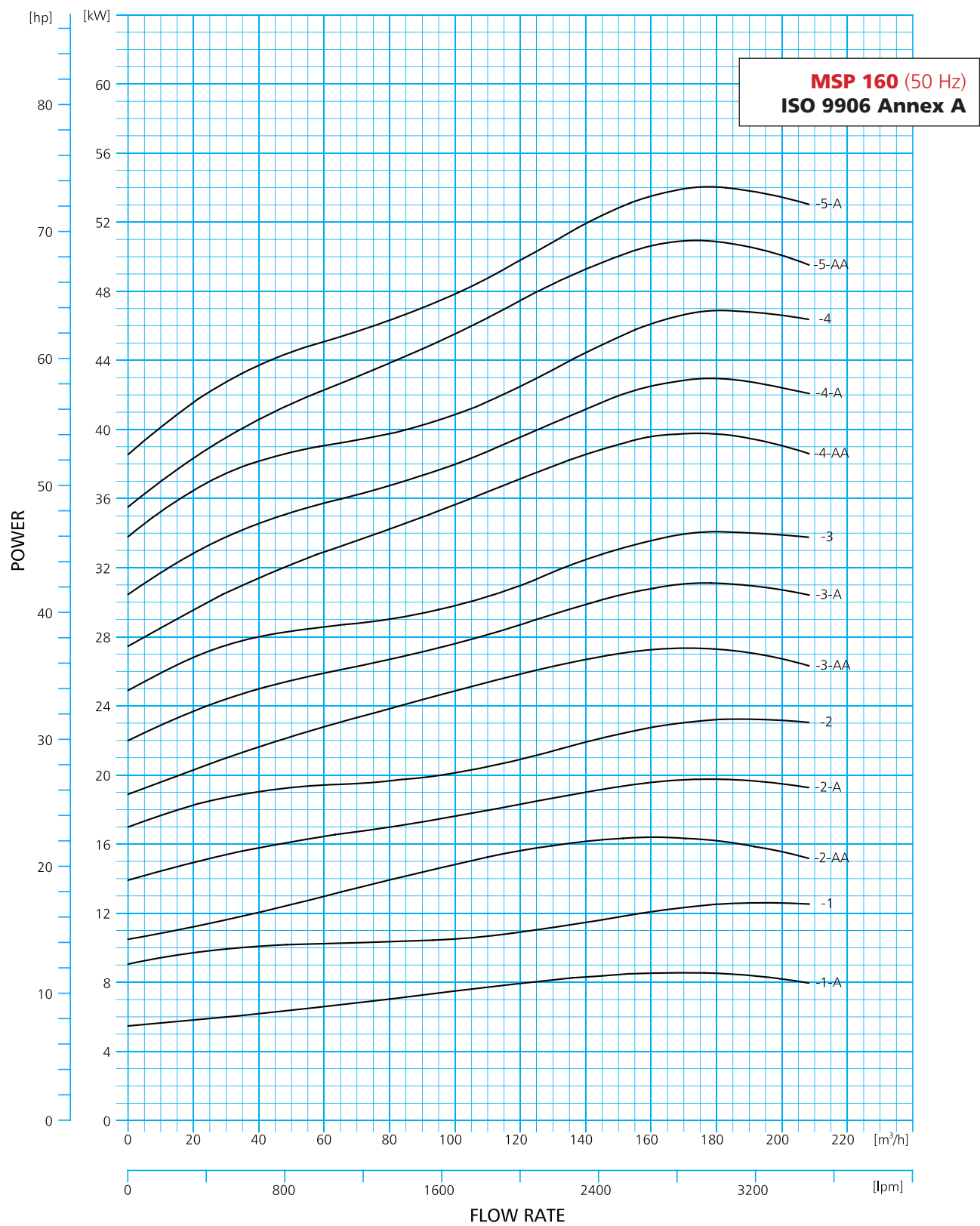
Performance Table

Mixed Flow 10" Electric Submersible Pump

MSP-160		Q	n = 2900 rpm														
		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	Motor Rating		Total Head In Meters														
	[kW]	[HP]															
MSP160-5	63	85	161	139	133	129	124	120	116	113	109	104	98	91	83	74	67
MSP160-6-AA	63	85	173	150	145	140	135	131	126	121	116	110	103	94	84	73	64
MSP160-6-A	75	100	183	158	153	147	142	137	133	128	123	118	111	102	92	81	72
MSP160-6	75	100	192	166	159	154	148	144	139	135	130	124	117	109	99	88	79
MSP160-7-AA	75	100	204	177	171	165	159	154	149	143	137	130	122	112	100	87	76
MSP160-7-A	92	125	213	184	177	171	165	160	155	149	144	137	128	118	107	94	84
MSP160-7	92	125	222	191	184	177	171	166	161	155	150	143	135	125	113	101	91
MSP160-8-AA	92	125	234	203	195	188	182	176	170	164	157	149	139	127	114	99	87
MSP160-8-A	92	125	243	210	202	195	188	182	176	170	163	155	145	134	121	106	94
MSP160-8	92	125	252	217	208	201	194	188	182	176	169	161	152	140	127	113	101
MSP160-9-AA	110	150	266	231	223	215	207	201	194	187	179	170	159	146	131	115	102
MSP160-9-A	110	150	275	238	229	221	214	207	200	193	186	177	166	153	138	122	109
MSP160-9	110	150	284	245	236	227	220	213	206	199	192	183	172	160	145	129	116

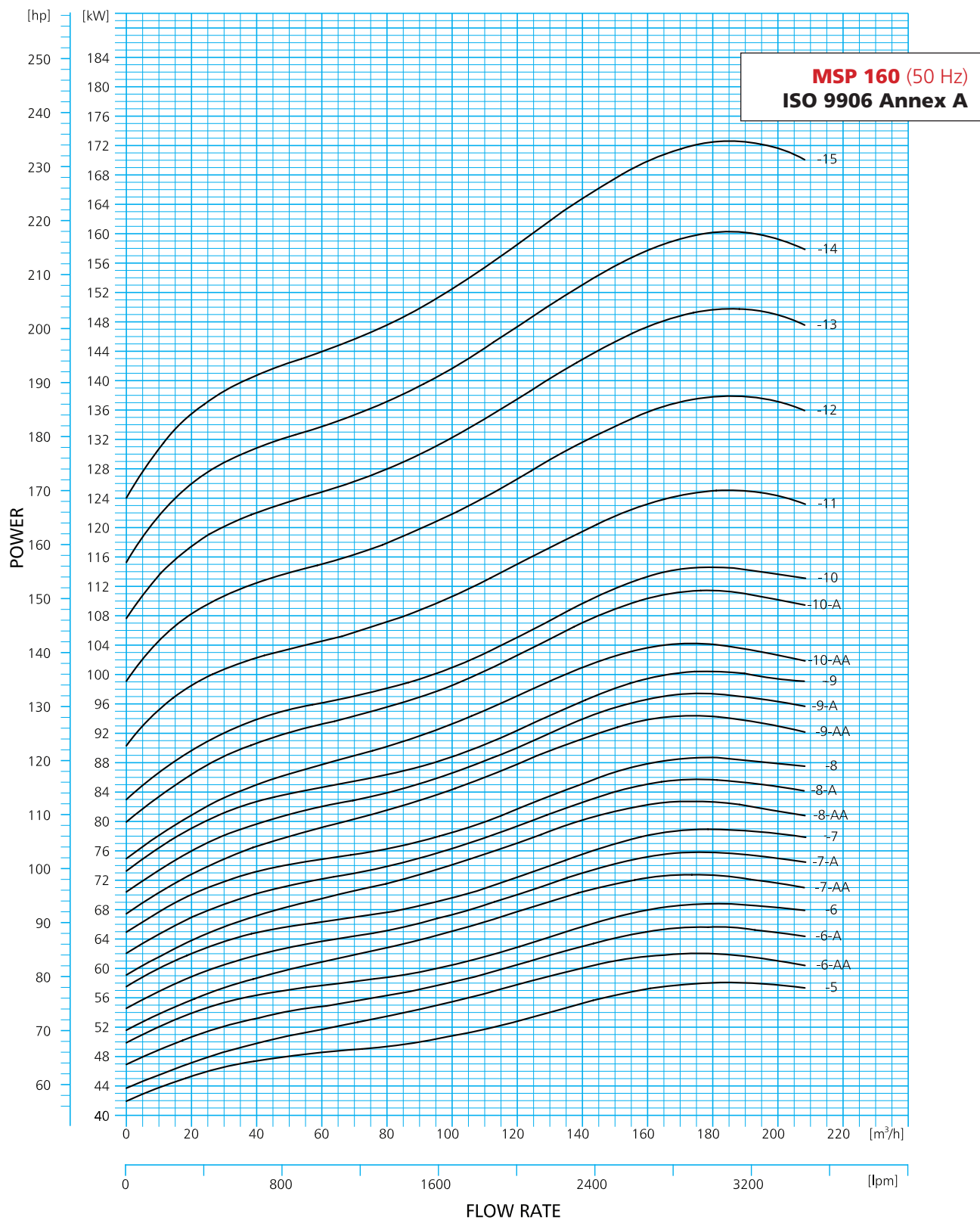


Performance Curve



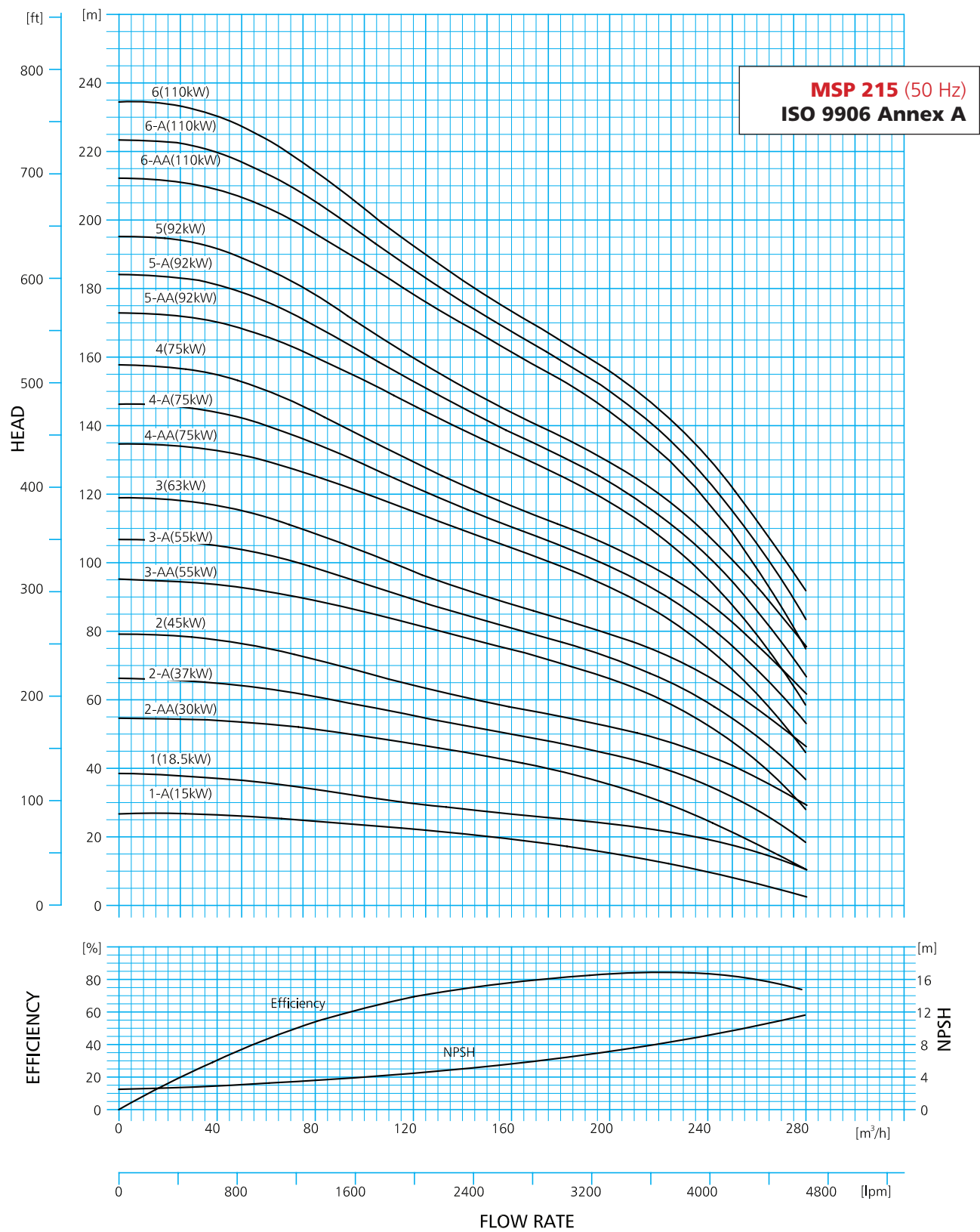


Performance Curve





Performance Curve

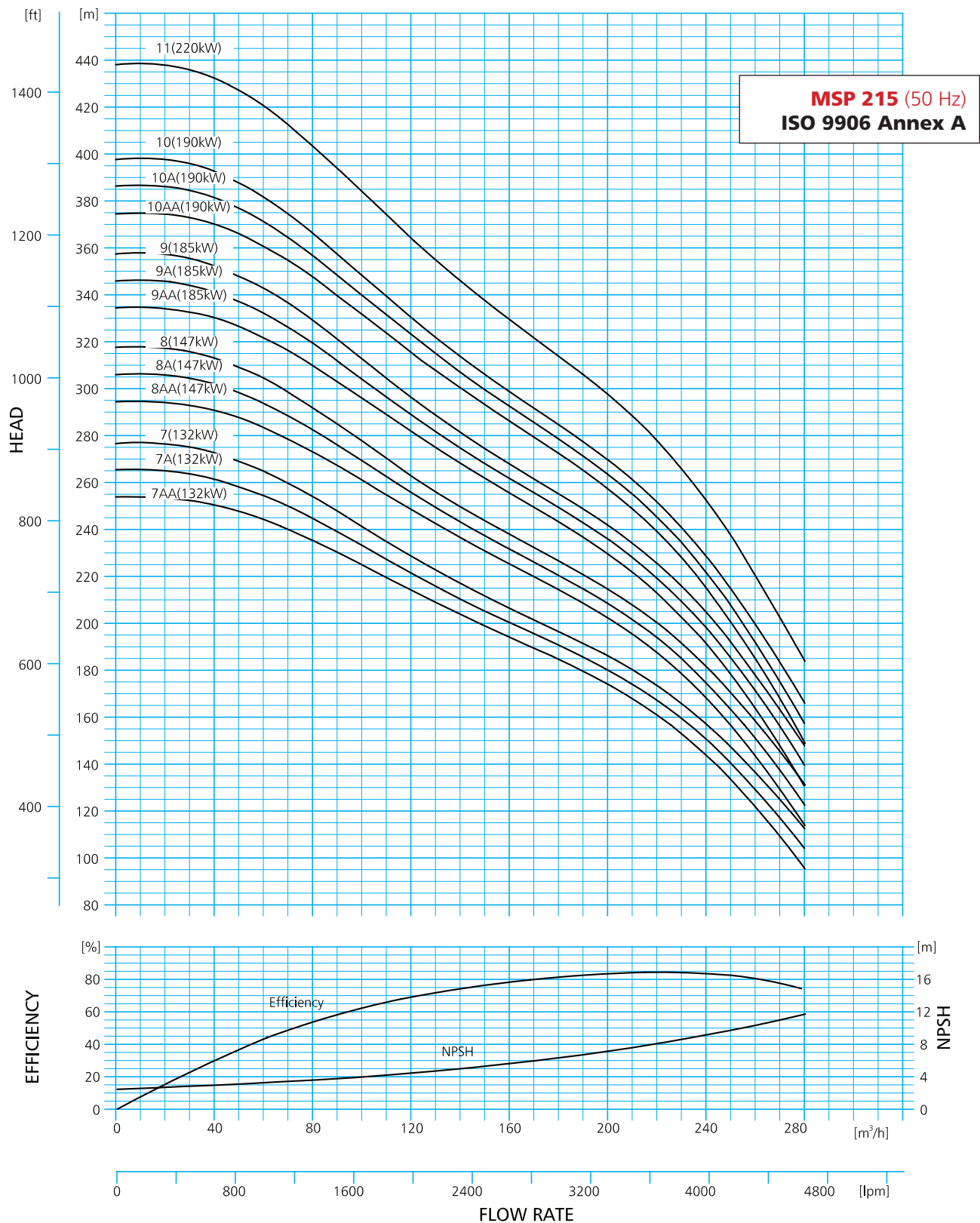


Performance Table

Mixed Flow 10” Electric Submersible Pump																				
MSP-215			Q		n = 2900 rpm															
			m³/h	0	90	110	130	150	170	180	190	200	210	220	230	240	250	260	270	280
			l/min.	0	1500	1833	2167	2500	2834	3000	3168	3334	3500	3667	3834	4000	4167	4334	4500	4666
Model	Motor Rating		Total Head In Meters																	
	[kW]	[HP]																		
MSP215-1-A	15	20	27	24	23	22	20	18	17	16	15	14	13	11	10	8	6	4	3	
MSP215-1	18.5	25	38	33	31	29	27	26	25	24	24	23	22	21	19	18	16	13	11	
MSP215-2-AA	30	40	55	50	48	46	43	41	39	37	35	33	31	28	25	21	18	14	11	
MSP215-2-A	37	50	66	59	57	54	51	49	47	46	44	42	40	38	35	32	28	23	18	
MSP215-2	45	60	79	70	66	62	59	56	55	54	52	50	49	46	44	41	37	34	19	
MSP215-3-AA	55	75	95	87	84	80	76	73	71	69	66	63	60	57	53	48	42	36	28	
MSP215-3-A	55	75	107	96	92	87	83	79	77	75	72	70	67	63	59	55	49	43	37	
MSP215-3	63	85	119	106	100	95	90	86	84	81	79	77	74	71	67	62	58	52	46	
MSP215-4-AA	75	100	135	123	117	112	107	102	99	96	93	89	85	80	75	69	62	54	45	
MSP215-4-A	75	100	146	132	125	119	113	108	105	102	99	95	91	87	82	76	69	61	53	
MSP215-4	75	100	158	140	133	126	119	114	111	108	105	102	98	93	88	82	76	69	62	
MSP215-5-AA	92	125	173	157	149	142	135	129	125	122	118	113	108	102	95	88	79	69	59	
MSP215-5-A	92	125	184	165	157	149	141	135	131	127	123	119	114	108	102	94	86	77	67	
MSP215-5	92	125	195	173	164	155	148	140	137	133	129	125	120	114	108	101	93	84	76	
MSP215-6-AA	110	150	212	192	183	174	166	157	153	149	144	139	133	126	118	109	98	87	75	
MSP215-6-A	110	150	223	200	190	181	172	163	159	155	150	145	139	132	124	115	105	95	83	
MSP215-6	110	150	234	209	198	187	178	169	165	160	156	151	145	138	130	122	112	102	92	



Performance Curve

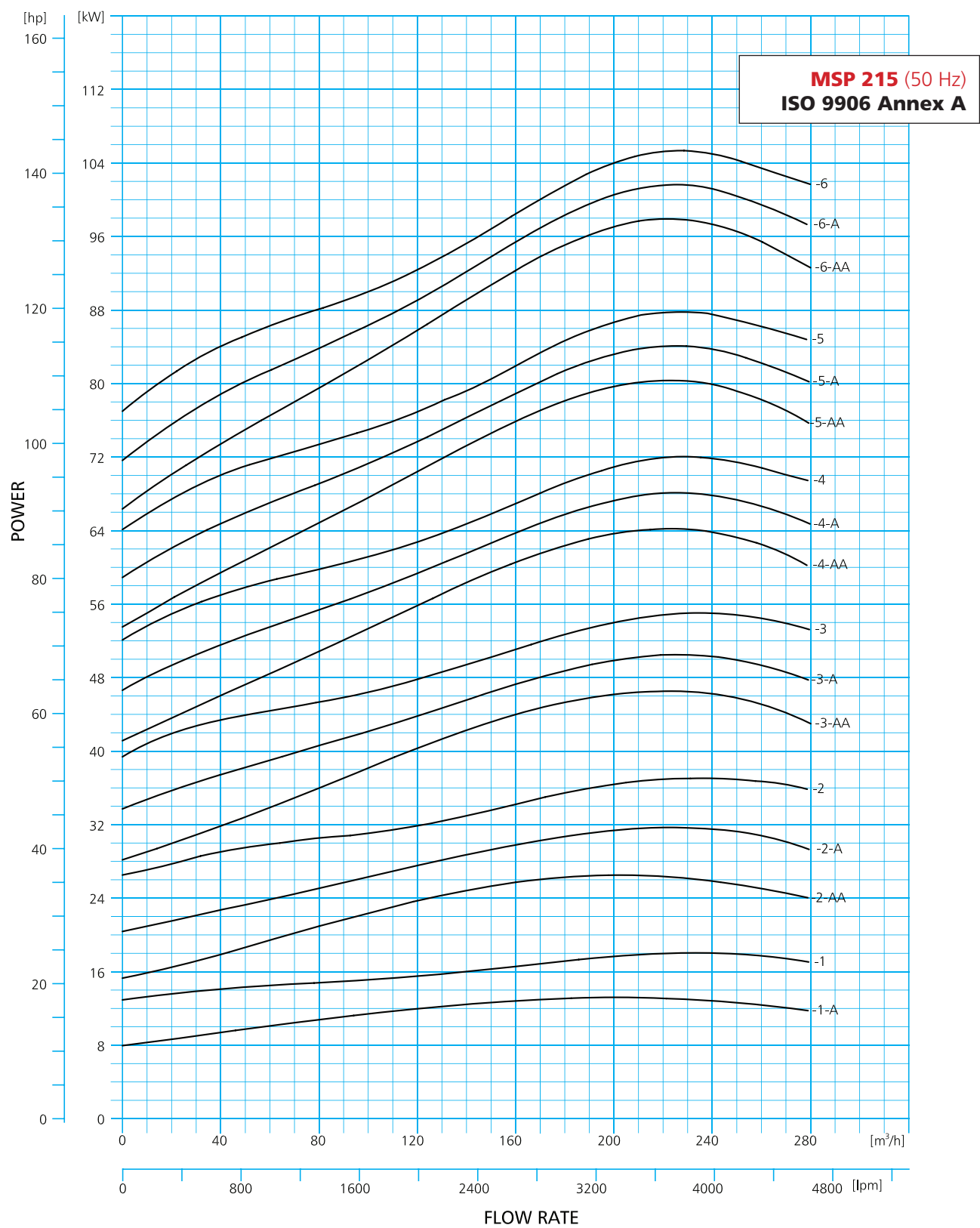


Performance Table

Mixed Flow 10” Electric Submersible Pump																			
MSP-215		Q		n = 2900 rpm															
		m³/h	0	90	110	130	150	170	180	190	200	210	220	230	240	250	260	270	280
		l/min.	0	1500	1833	2167	2500	2834	3000	3168	3334	3500	3667	3834	4000	4167	4334	4500	4666
Model	Motor Rating		Total Head In Meters																
	[kW]	[HP]																	
MSP215-7-AA	132	177	254	230	220	209	199	190	185	180	174	168	161	153	144	134	122	109	96
MSP215-7-A	132	177	265	239	227	216	205	196	191	186	180	174	167	159	151	141	129	117	104
MSP215-7	132	177	277	248	235	223	212	202	197	192	186	180	174	166	157	147	137	125	113
MSP215-8-AA	147	204	295	267	255	242	231	220	214	209	202	195	188	179	168	157	144	129	114
MSP215-8-A	147	204	306	276	263	249	237	226	221	215	209	202	194	185	175	164	151	137	123
MSP215-8	147	204	318	285	270	256	244	232	227	221	215	208	200	192	182	171	158	145	131
MSP215-9-AA	185	252	334	303	289	275	262	249	243	237	230	222	213	203	191	178	164	148	131
MSP215-9-A	185	252	346	312	297	282	268	256	249	243	236	228	219	209	198	185	171	156	140
MSP215-9	185	252	358	321	305	289	275	262	255	249	242	234	226	216	205	192	179	164	148
MSP215-10-AA	190	260	375	340	324	308	293	279	272	265	257	249	239	228	215	201	185	168	149
MSP215-10-A	190	260	386	349	331	315	300	286	279	271	264	255	245	234	222	208	192	175	158
MSP215-10	190	260	398	357	339	322	306	292	285	277	270	261	252	241	229	215	200	183	166



Performance Curve





Performance Curve

