

Since 1969
Unnati[®]
MOTORS | PUMPS

60 Hz



**TOGETHER WE CAN DO IT
TOGETHER WE HAVE ALWAYS DONE IT**



Since 1969
Unnati[®]
MOTORS | PUMPS

QUALITY POLICY

"UNNATI" Aims To Meet Customer Requirements And Expectations By Supply Quality Product On Schedule Time And Continually Improve The Effectiveness Of The Quality Management System".

QUALITY OBJECTIVES

The Quality Objective Of Unnati Management Is To Supply Only That Product, Which Meets Customer Requirements As Per International Standards Of Quality, Performance., Reliability, Specified By Him. And Only Those Items Will Be Submitted To Him For Acceptance, Which Fully Meet The Inherent Requirements Of Product.

Also Every Step Is Taken To Establish And Maintain An Effective And Efficient Quality Program Planned And Developed In Conjunction With Other Management Functions By First Time Right Principles.



Performance Range

Stainless steel submersible bore well pumps

Model	Borewell Dia.	GPM	Head	Del. (NPT)
USP2	4"	0-13	1673-62	1/4"
USP3	4"	0-20	2231-67	1/4" / 1 1/2"
USP5	4"	0-34	1575-33	1/4" / 1 1/2"
USP8	4"	0-54	1867-39	2"
USP14	4"	0-96	489-43	2"
USP17	6"	0-118	2079-20	2 1/2"
USP30	6"	0-207	2133-16	3"/4"
USP46	6"	0-316	1555-1	4"
USP60	6"	0-403	1457-19	4"
USP77	8"	0-528	1427-32	5"
USP95	8"	0-660	1309-7	5"
USP125	10"	0-859	1772-19	6"
USP160	10"	0-1100	1496-19	6"
USP215	11"	0-1475	1240-14	6"

Product Range

Stainless steel submersible bore well pumps

USP2, USP3
& USP5



USP8



USP14



USP30



USP46 & USP60



USP77 & USP95



USP125
& USP160



USP215

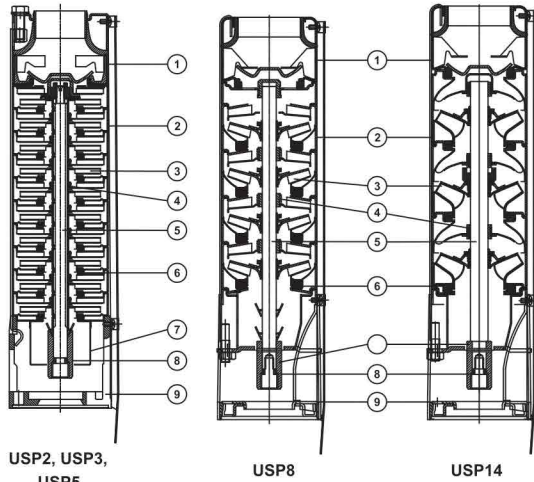


Construction

Stainless steel submersible bore well pumps

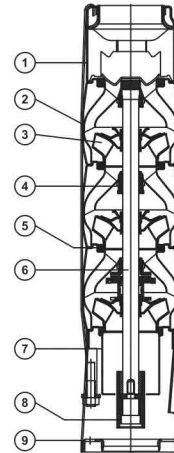
Sectional drawing & Materials

4" Stainless steel submersible bore well pumps



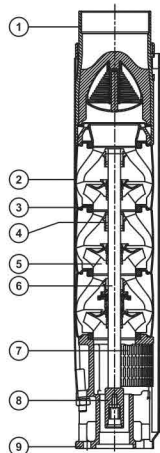
Pos.	Component	Material
01	Delivery casing	Stainless steel AISI 304 / Cf8
02	Diffuser	Stainless steel AISI 304
03	Impeller	Stainless steel AISI 304
04	Bearing	NBR
05	Pump shaft	Stainless steel AISI 410 / 304
06	Neck ring	NBR
07	Strainer	Stainless steel AISI 304
08	Coupling	Stainless steel AISI 304
09	Suction inter connector	Stainless steel AISI 304

6" Stainless steel submersible bore well pumps



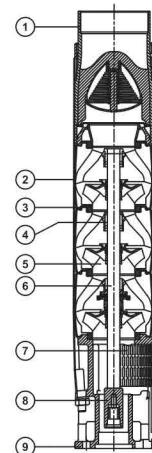
Pos.	Component	Material
01	Delivery casing	Stainless steel AISI 304
02	Diffuser	Stainless steel AISI 304
03	Impeller	Stainless steel AISI 304
04	Bearing	NBR
05	Neck ring	NBR
06	Pump shaft	Stainless steel AISI 431
07	Strainer	Stainless steel AISI 304
08	Coupling	Stainless steel AISI 304
09	Suction inter connector	Stainless steel AISI 304
10	Upper Thrust	Stainless steel AISI 304 / NR

8" Stainless steel submersible bore well pumps



Pos.	Component	Material
01	Delivery casing	Stainless steel AISI 304 / Cf8
02	Diffuser	AISI 304
03	Neck ring	NBR
04	Bearing	NBR
05	Impeller	AISI 304
06	Pump shaft	AISI 431
07	Strainer	Stainless steel AISI 304
08	Coupling	AISI 304
09	Suction inter connector	Stainless steel AISI 304 / Cf8

10" Stainless steel submersible bore well pumps



Pos.	Component	Material
01	Delivery casing	Stainless steel AISI 304 / Cf8
02	Diffuser	Stainless steel AISI 304
03	Neck ring	NBR
04	Bearing	NBR
05	Impeller	Stainless steel AISI 304
06	Pump shaft	Stainless steel AISI 431
07	Strainer	Stainless steel AISI 304
08	Coupling	Stainless steel AISI 304
09	Suction inter connector	Stainless steel AISI 304 / Cf8

Technical Data

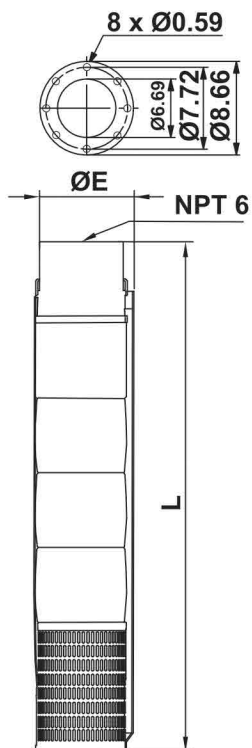
Stainless Steel Pumps

10" USP125

Performance Table

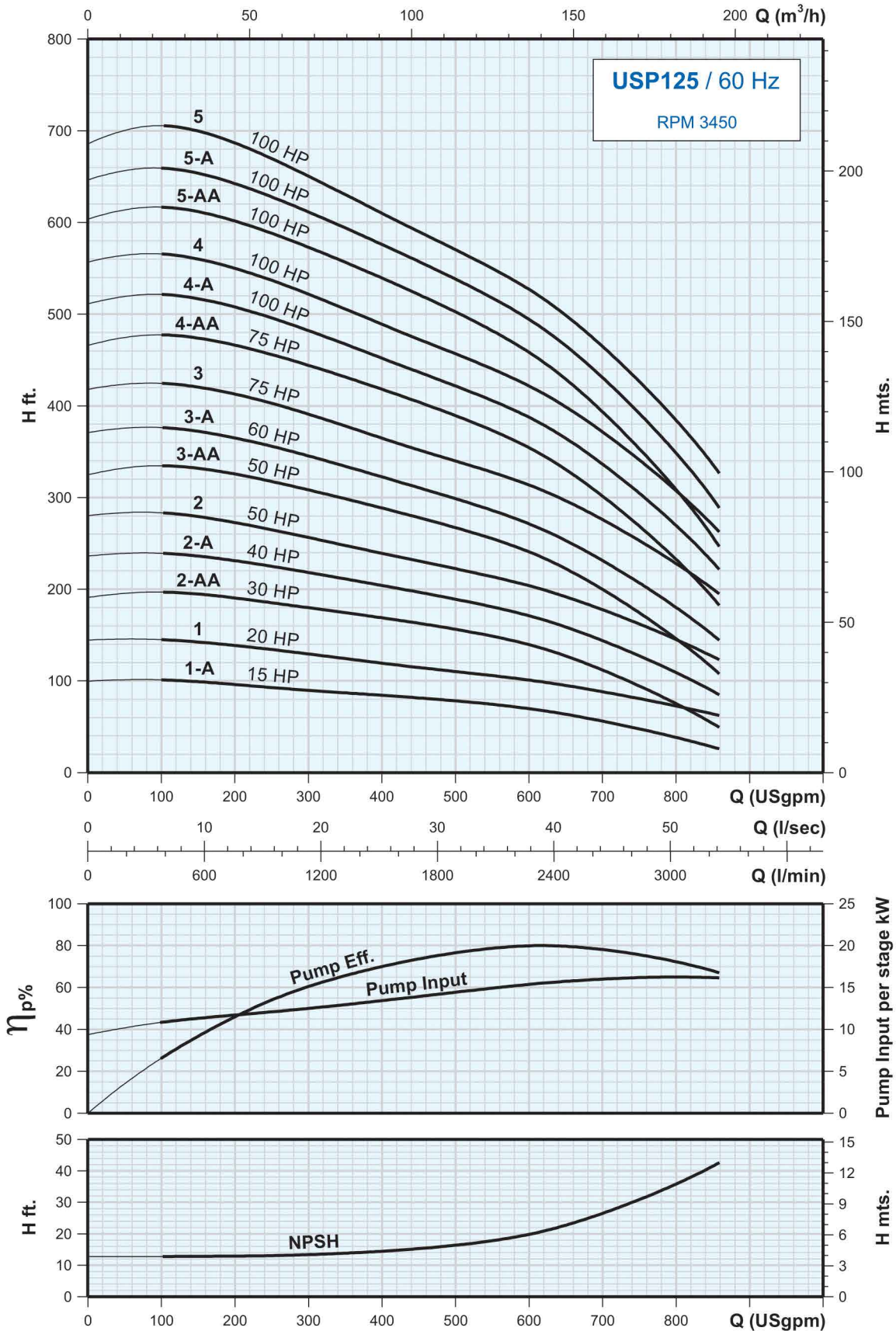
Model Name	kW	HP	Stage	Q	n = 3450 rpm					
				L/min	0	333	1000	1667	2334	3251
				Usgpm	0	88	264	440	617	859
USP125/1-A	11.0	15.0	1		101	100	92	82	68	26
USP125/1	15.0	20.0	1		145	145	133	115	99	62
USP125/2-AA	22.0	30.0	2		197	191	184	164	136	49
USP125/2-A	30.0	40.0	2		240	236	223	198	167	85
USP125/2	37.0	50.0	2		284	280	262	232	200	123
USP125/3-AA	37.0	50.0	3		335	325	315	280	235	108
USP125/3-A	45.0	60.0	3		377	371	353	313	266	144
USP125/3	55.0	75.0	3	H ft.	425	418	400	354	308	195
USP125/4-AA	55.0	75.0	4		477	466	453	407	347	182
USP125/4-A	75.0	100.0	4		522	511	492	440	381	221
USP125/4	75.0	100.0	4		566	557	533	476	415	262
USP125/5-AA	75.0	100.0	5		617	604	584	525	449	246
USP125/5-A	75.0	100.0	5		659	646	623	561	486	289
USP125/5	75.0	100.0	5		705	686	664	594	518	326

Dimensions & Weights



Model Name	Motor Joining Size	ØE (inch)	L (inch)	Pump Gross weight (lbs)	Pump Gross Volume (ft ³)
USP125/1-A	6"	8.31	25.24	57	0.95
USP125/1	6"	8.31	25.24	57	0.95
USP125/2-AA	6"	8.31	31.34	66	1.11
USP125/2-A	6"	8.31	31.34	66	1.11
USP125/2	6"	8.31	31.34	66	1.11
USP125/3-AA	6"	8.31	37.44	76	1.27
USP125/3-A	6"	8.31	37.44	76	1.27
USP125/3	8"	8.39	37.44	76	1.27
USP125/4-AA	8"	8.39	43.54	85	1.43
USP125/4-A	8"	8.39	43.54	85	1.43
USP125/4	8"	8.39	43.54	85	1.43
USP125/5-AA	8"	8.39	49.65	94	1.59
USP125/5-A	8"	8.39	49.65	94	1.59
USP125/5	8"	8.39	49.65	94	1.59

Performance Curve



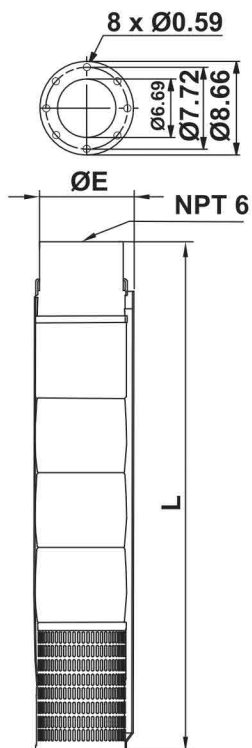
Technical Data

Stainless Steel Pumps

10" USP125

Performance Table

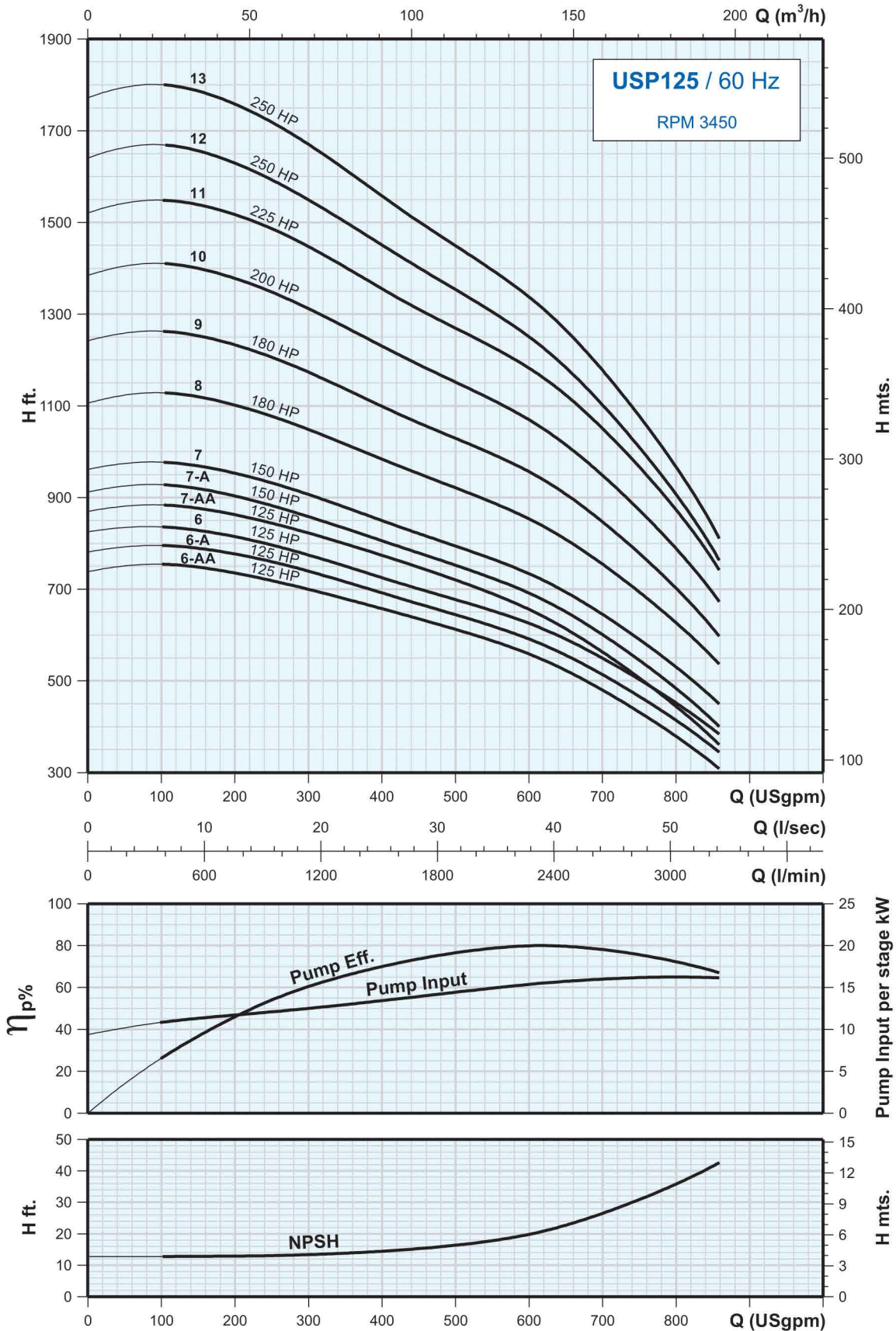
Model Name	kW	HP	Stage	Q	n = 3450 rpm					
				L/min	0	333	1000	1667	2334	3251
				Usgpm	0	88	264	440	617	859
USP125/6-AA	93.0	125.0	6		755	738	714	640	548	308
USP125/6-A	93.0	125.0	6		796	781	755	673	581	344
USP125/6	93.0	125.0	5		837	825	791	705	615	384
USP125/7-AA	93.0	125.0	7		884	869	838	753	643	361
USP125/7-A	110.0	150.0	7		928	912	876	784	679	400
USP125/7	110.0	150.0	7		978	961	925	827	722	449
USP125/8	135.0	180.0	8	H ft.	1129	1106	1070	958	840	536
USP125/9	135.0	180.0	9		1263	1242	1198	1070	942	597
USP125/10	150.0	200.0	10		1411	1385	1339	1198	1053	673
USP125/11	165.0	225.0	11		1549	1521	1476	1319	1165	741
USP125/12	185.0	250.0	12		1670	1640	1581	1411	1230	763
USP125/13	185.0	250.0	13		1801	1772	1706	1512	1316	810



Dimensions & Weights

Model Name	Motor Joining Size	ØE (inch)	L (inch)	Pump Gross weight (lbs)	Pump Gross Volume (ft ³)
USP125/6-AA	8"	8.39	55.75	103.0	1.75
USP125/6-A	8"	8.39	55.75	103.0	1.75
USP125/6	8"	8.39	55.75	103.0	1.75
USP125/7-AA	8"	8.39	61.85	112.0	1.91
USP125/7-A	8"	8.39	61.85	112.0	1.91
USP125/7	8"	8.39	61.85	112.0	1.91
USP125/8	10"	8.45	68.00	122.0	2.07
USP125/9	10"	8.45	74.00	131.0	2.23
USP125/10	10"	8.45	80.00	140.0	2.39
USP125/11	10"	8.45	86.00	149.0	2.55
USP125/12	10"	8.45	92.00	159.0	2.71
USP125/13	10"	8.45	98.00	168.0	2.87

Performance Curve



Technical Data

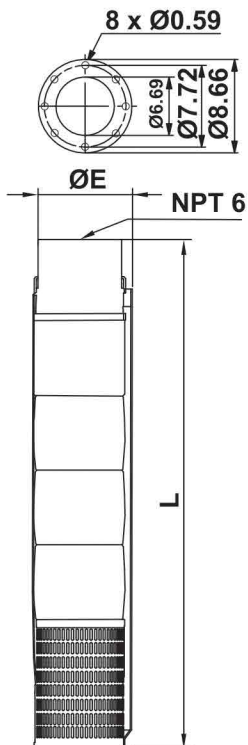
Stainless Steel Pumps

10" USP160

Performance Table

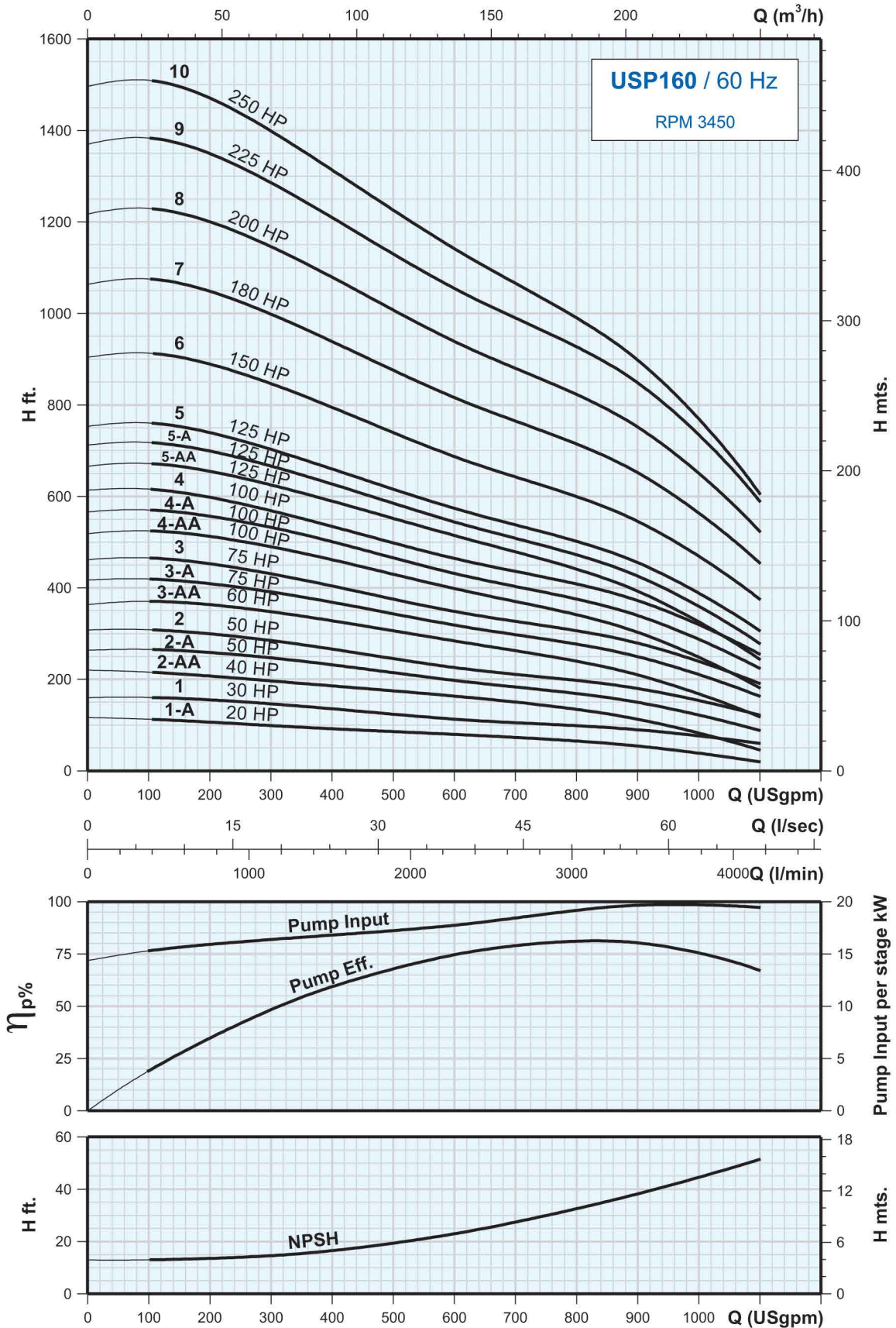
Model Name	kW	HP	Stage	Q	n = 3450 rpm					
				L/min	0	333	1333	2334	3334	4168
				Usgpm	0	88	352	617	881	1101
USP160/1-A	15.0	20.0	1		116	114	95	79	57	19
USP160/1	22.0	30.0	1		161	160	141	112	92	60
USP160/2-AA	30.0	40.0	2		217	220	191	161	118	45
USP160/2-A	37.0	50.0	2		266	263	240	195	154	88
USP160/2	37.0	50.0	2		309	308	276	223	184	121
USP160/3-AA	45.0	60.0	3		371	364	338	281	217	117
USP160/3-A	55.0	75.0	3		420	417	380	315	256	162
USP160/3	55.0	75.0	3		466	462	417	344	285	190
USP160/4-AA	75.0	100.0	4		525	518	476	394	312	180
USP160/4-A	75.0	100.0	4	H ft.	571	566	517	427	348	223
USP160/4	75.0	100.0	4		617	614	551	459	381	254
USP160/5-AA	93.0	125.0	5		673	666	607	509	404	243
USP160/5-A	93.0	125.0	5		719	712	646	538	436	277
USP160/5	93.0	125.0	5		761	753	681	568	466	305
USP160/6	110.0	150.0	6		914	904	820	679	558	374
USP160/7	135.0	180.0	7		1076	1063	968	807	666	453
USP160/8	150.0	200.0	8		1230	1217	1112	928	768	522
USP160/9	165.0	225.0	9		1385	1370	1247	1043	866	587
USP160/10	185.0	250.0	10		1511	1496	1355	1129	919	604

Dimensions & Weights



Model Name	Motor Joining Size	ØE (inch)	L (inch)	Pump Gross weight (lbs)	Pump Gross Volume (ft ³)
USP160/1-A	6"	8.31	25.00	57.0	0.95
USP160/1	6"	8.31	25.00	57.0	0.95
USP160/2-AA	6"	8.31	31.00	66.0	1.11
USP160/2-A	6"	8.31	31.00	66.0	1.11
USP160/2	6"	8.31	31.00	66.0	1.11
USP160/3-AA	8"	8.39	37.00	76.0	1.27
USP160/3-A	8"	8.39	37.00	76.0	1.27
USP160/3	8"	8.39	37.00	76.0	1.27
USP160/4-AA	8"	8.39	44.00	85.0	1.43
USP160/4-A	8"	8.39	44.00	85.0	1.43
USP160/4	8"	8.39	44.00	85.0	1.43
USP160/5-AA	8"	8.39	50.00	94.0	1.59
USP160/5-A	8"	8.39	50.00	94.0	1.59
USP160/5	8"	8.39	50.00	94.0	1.59
USP160/6	8"	8.39	56.00	103.0	1.75
USP160/7	10"	9.45	62.00	112.0	1.91
USP160/8	10"	9.45	68.00	122.0	2.07
USP160/9	10"	9.45	74.00	131.0	2.23
USP160/10	10"	9.45	80.00	140.0	2.39

Performance Curve



Technical Data

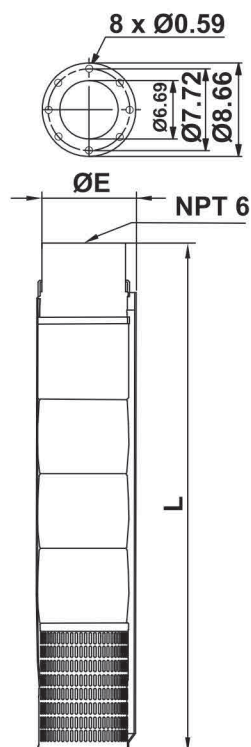
Stainless Steel Pumps

10" USP215

Performance Table

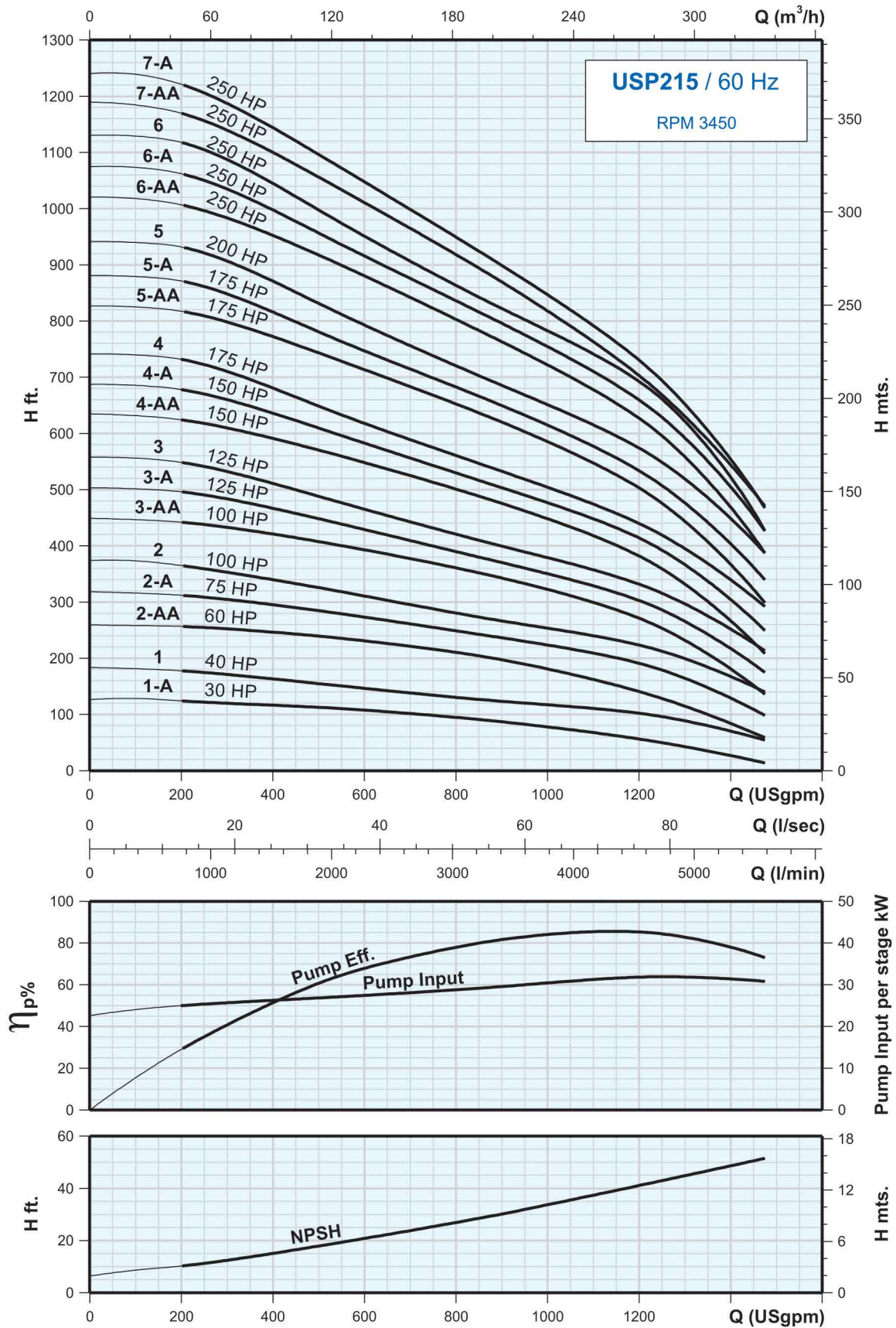
Model Name	kW	HP	Stage	Q	n = 3450 rpm						
				L/min	0	500	667	2000	3334	4668	5583
				USgpm	0	132	176	528	881	1233	1475
USP215/1-A	22.0	30.0	1.00		126	128	125	112	89	52	14
USP215/1	30.0	40.0	1.00		184	180	179	153	125	98	54
USP215/2-AA	45.0	60.0	2.00		259	258	257	237	200	133	59
USP215/2-A	55.0	75.0	2.00		318	315	313	281	239	183	98
USP215/2	75.0	100.0	2.00		374	371	367	322	269	217	140
USP215/3-AA	75.0	100.0	3.00		449	446	444	404	346	260	136
USP215/3-A	93.0	125.0	3.00		503	500	498	443	374	292	175
USP215/3	93.0	125.0	3.00		558	554	551	482	404	322	213
USP215/4-AA	110.0	150.0	4.00		635	630	627	564	481	367	208
USP215/4-A	110.0	150.0	4.00	H ft.	687	684	681	602	509	400	249
USP215/4	130.0	175.0	4.00		741	738	735	640	538	427	292
USP215/5-AA	130.0	175.0	5.00		827	823	820	735	627	486	299
USP215/5-A	130.0	175.0	5.00		881	878	874	771	656	517	340
USP215/5	150.0	200.0	5.00		942	938	935	820	692	558	387
USP215/6-AA	185.0	250	6.00		1020	1015	1010	907	771	607	387
USP215/6-A	185.0	250	6.00		1074	1071	1066	945	804	640	427
USP215/6	185.0	250	6.00		1130	1127	1122	984	830	673	427
USP215/7-AA	185.0	250	7.00		1189	1181	1175	1043	879	681	471
USP215/7-A	185.0	250	7.00		1240	1235	1227	1083	909	707	468

Dimensions & Weights



Model Name	Motor Joining Size	ØE (inch)	L (inch)	Pump Gross weight (lbs)	Pump Gross Volume (ft ³)
USP215/1-A	6"	9.29	31.10	108	1.8
USP215/1	6"	9.29	31.10	108	1.8
USP215/2-AA	8"	9.41	38.03	131	2.7
USP215/2-A	8"	9.41	38.03	131	2.7
USP215/2	8"	9.41	38.03	131	2.7
USP215/3-AA	8"	9.41	44.96	223	6.3
USP215/3-A	8"	9.41	44.96	223	6.3
USP215/3	8"	9.41	44.96	223	6.3
USP215/4-AA	8"	9.41	51.89	252	8.1
USP215/4-A	8"	9.41	51.89	252	8.1
USP215/4	8"	9.41	51.89	252	8.1
USP215/5-AA	10"	9.84	58.82	282	9.0
USP215/5-A	10"	9.84	58.82	282	9.0
USP215/5	10"	9.84	58.82	282	9.0
USP215/6-AA	10"	9.84	65.75	312	9.9
USP215/6-A	10"	9.84	65.75	312	9.9
USP215/6	10"	9.84	65.75	312	9.9
USP215/7-AA	10"	9.84	84.49	342	10.9
USP215/7-A	10"	9.84	84.49	342	10.9

Performance Curve





Since 1969
Unnati
MOTORS | PUMPS

Disclaimer : Due to continual up gradation in design & specification in motor the technical details illustrated in this catalogue may differ with that of actual motor.



Since 1969
Unnati[®]
MOTORS | PUMPS

UNNATI PUMPS PVT. LTD
81, Amarnath Estate,
Opp. Shayona Estate, Naroda Road,
Ahmedabad-380 025 (Guj.) INDIA

Phone : +91-79-2220 3434
Mobile : +91-99099 72592
E-mail : export@unnatipumps.com
Visit us : www.unnatipumps.com