



DYNATECH

THE 4" ST BOREHOLE PUMPS SERIES

THE HEAVY DUTY PUMPS



THE NEW AND IMPROVED 4" ST PUMP SERIES

MADE WITH PRIDE

VALUE ADDED FEATURES

Engineered and manufactured for continuous heavy duty operation in sandy well.

The Floating Impeller and Flat Wear Ring Design ensure an excellent resistance to wear and tear against sand.

The Impeller and Diffuser are constructed in special glass filled engineered composite for maximum strength and corrosion resistance against sand.

The Discharge Head and Motor Adapter are made of precision casted stainless steel for superior strength, durability and rigidity.

The Stainless Steel Non Return Valve is integrated in the head to support the weight of the water column and to protect against water hammer.

SPECIFICATIONS

- Maximum sand content of 150 g/m³
- Capacity up to 25 m³/h
- Rated motor power output up to 7.5 kW
- Maximum overall pump diameter of 97.5 mm
- Delivery port of 1.25", 1.5" and 2"

THE NEW AND IMPROVED 4" ST PUMP SERIES

THE HEAVY DUTY PUMPS

PUMPS FOR SANDY WELLS

Field proven for a long period of time, the Floating Impeller Stack and the Face Clearance Design ensured optimum resistance against sand. Definitely one of the best pumps available on the market for sand handling capabilities.

Maximum permissible quantity of sand 150 g/m³

THE HEAVY DUTY PUMPS

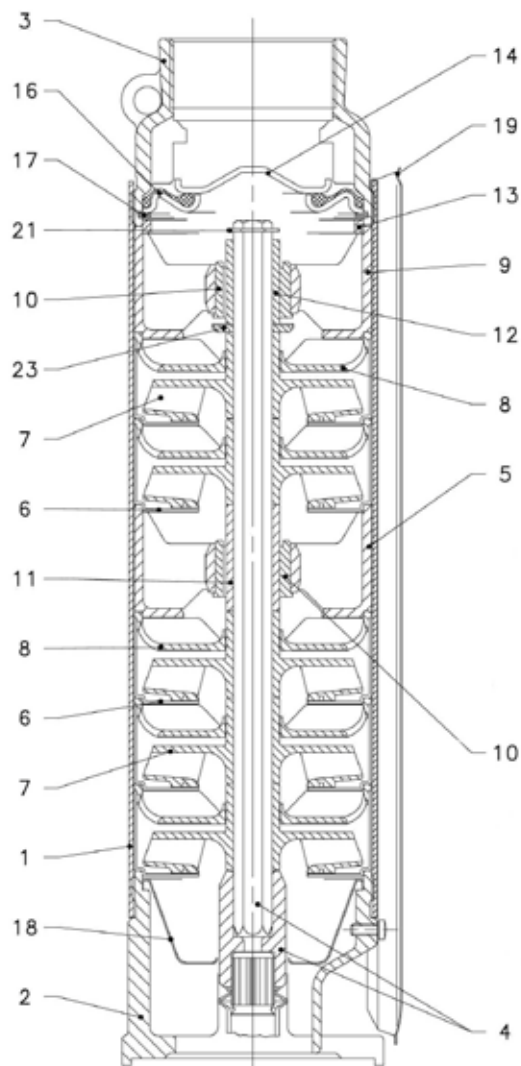
Reliable material is carefully chosen for each part for the utmost durability and reliability even in the very harsh operating conditions.

VALUE ADDED FEATURES

- Allows Sand and Abrasives to pass easily.
- Rotating parts are not in contact with one another.
- Diffuser is made of new and pure glass filled polycarbonate.
High abrasive resistance for longer life in sandy wells.
- Impeller is made of new and pure glass filled noryl.
High abrasive resistance for longer life in sandy wells.
- Stainless steel bowl for superior strength and abrasive resistance.
- Thrust washer to prevent rubbing of components during start up.

THE NEW AND IMPROVED 4" ST PUMP SERIES

CROSS SECTIONAL DRAWING AND PARTS LIST FOR ST 05, 10, 13, 18, 25, 35, 40

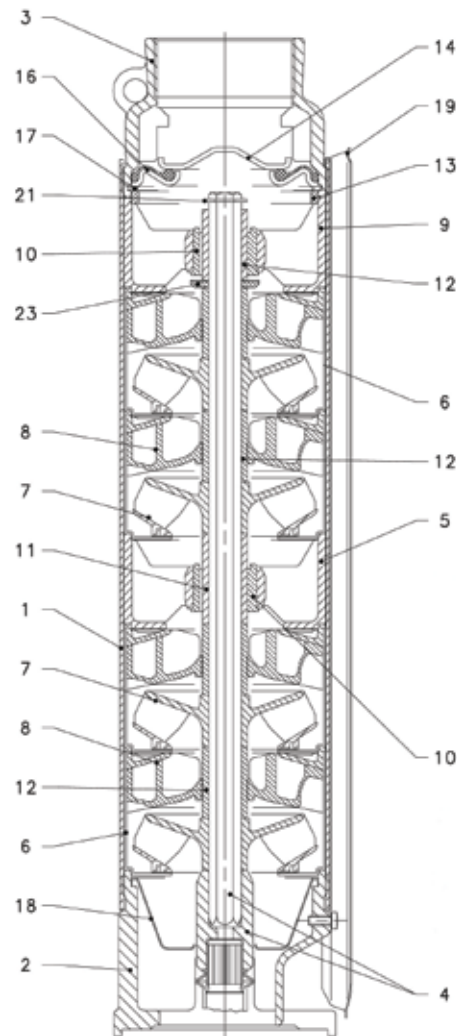


PUMP SECTION AND LIST OF MAIN COMPONENTS

Ref. N.	Description	Material
1	Sleeve	Stainless Steel
2	Lower Support/ Motor Adapter	Casted Stainless Steel
3	Discharge Head	Casted Stainless Steel
4	Shaft with Coupling	Stainless Steel
5	Intermediate Support	Glass Filled Engineered Composites
6	Bowl	Stainless Steel
7	Impeller	Glass Filled Noryl
8	Diffuser	Glass Filled Polycarbonate
9	Top Diffuser	Glass Filled Polycarbonate
10	Intermediate Bearing	N.B.R.
11	Shaft Bushing	Stainless Steel
12	Top Bushing	Stainless Steel
13	Adapter Ring	Stainless Steel
14	Valve Cap	Stainless Steel
16	Valve Support with Gasket	Stainless Steel and N.B.R.
17	Valve Lock Ring	Stainless Steel
18	Filter	Stainless Steel
19	Cable Guard	Stainless Steel
21	Upper Split Ring	Stainless Steel
23	Thrust Washer	Stainless Steel

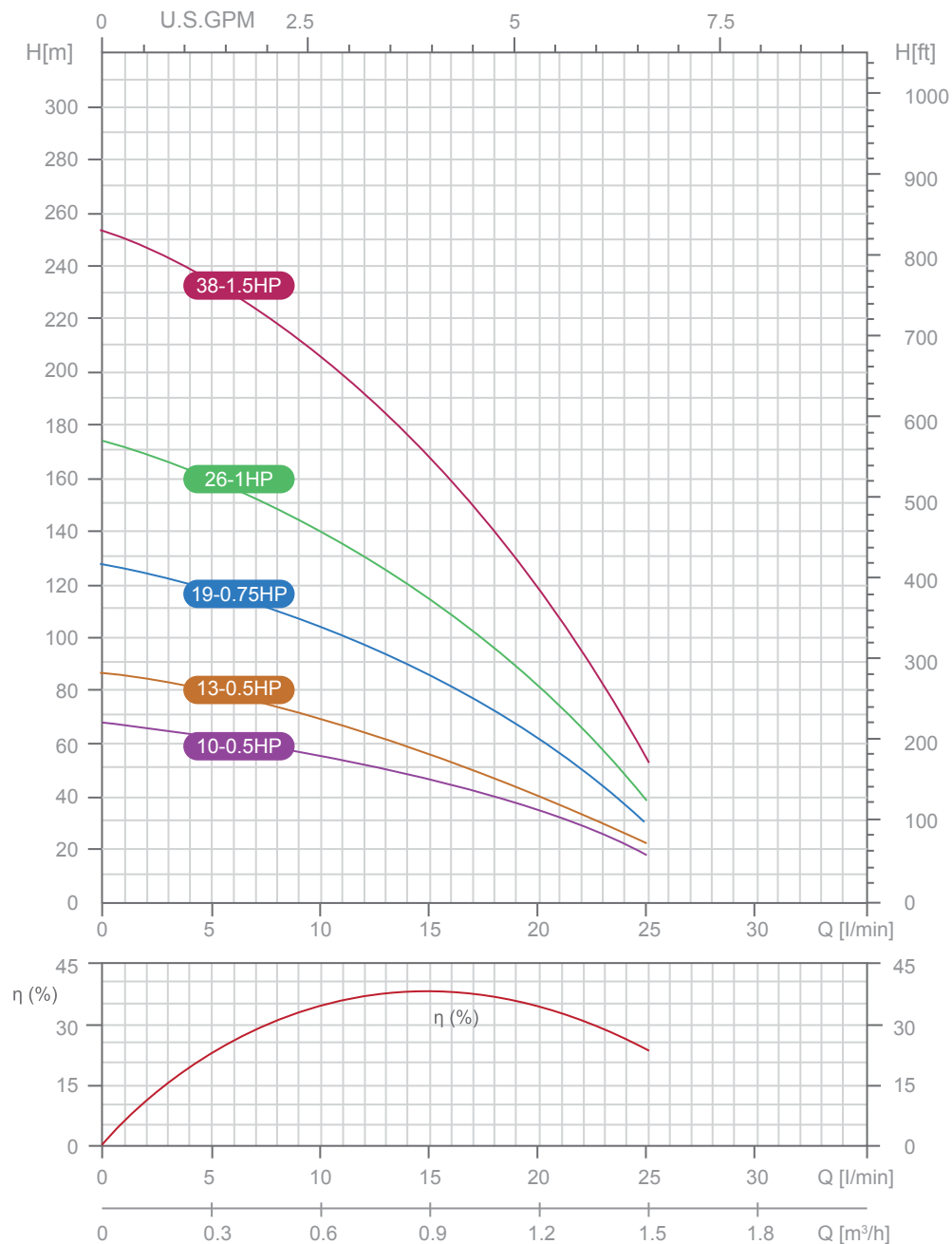
THE NEW AND IMPROVED 4" ST PUMP SERIES

CROSS SECTIONAL DRAWING AND PARTS LIST FOR ST 60, 80



PUMP SECTION AND LIST OF MAIN COMPONENTS

Ref. N.	Description	Material
1	Sleeve	Stainless Steel
2	Lower Support/ Motor Adapter	Casted Stainless Steel
3	Discharge Head	Casted Stainless Steel
4	Shaft with Coupling	Stainless Steel
5	Intermediate Support	Glass Filled Engineered Composites
6	Bowl	Stainless Steel
7	Impeller	Glass Filled Noryl
8	Diffuser	Glass Filled Polycarbonate
9	Top Diffuser	Glass Filled Polycarbonate
10	Top Bearing	N.B.R.
11	Top Bushing	Stainless Steel
12	Shaft Bushing	Noryl
13	Adapter Ring	Stainless Steel
14	Valve Cap/ Non Return Valve	Stainless Steel
16	Valve Support with Gasket	Stainless Steel and N.B.R.
17	Valve Lock Ring	Stainless Steel
18	Filter	Stainless Steel
19	Cable Guard	Stainless Steel
21	Upper Split Ring/ Shaft Clip Ring	Stainless Steel
23	Thrust Washer	Stainless Steel



ST 5

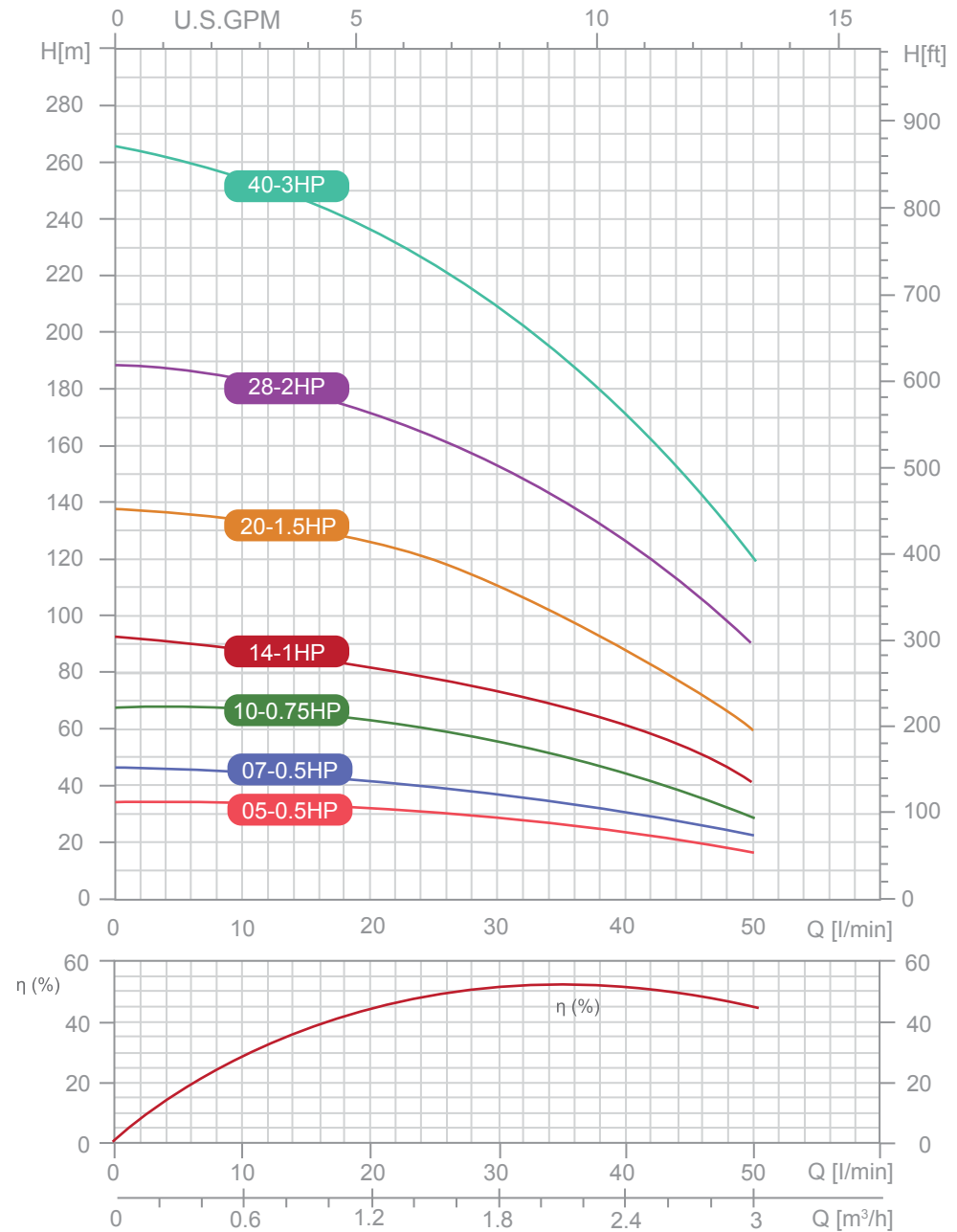
TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
ST 0510	10	0.37	0.50	324	1.25"	3.3
ST 0513	13	0.37	0.50	377	1.25"	3.7
ST 0519	19	0.55	0.75	481	1.25"	4.7
ST 0526	26	0.75	1.00	642	1.25"	5.8
ST 0538	38	1.1	1.50	864	1.25"	8.2

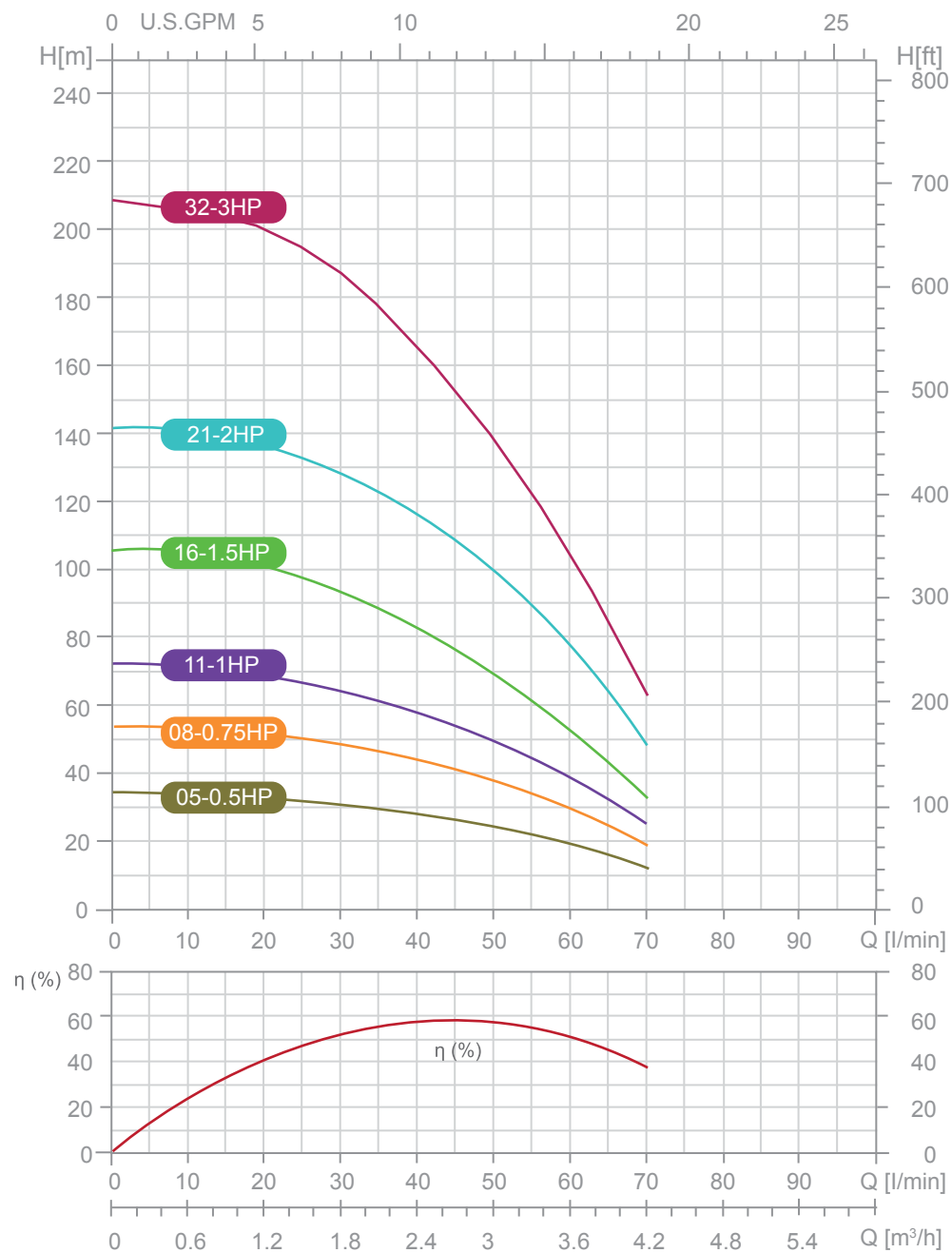
TYPE	Q	DELIVERY					
	M³/hr	0	0.3	0.6	0.9	1.2	1.5
	L/min	0	5	10	15	20	25
ST 0510	HEAD H m	67	63	55	46	33	18
ST 0513		86	78	70	56	42	23
ST 0519		126	118	105	86	60	30
ST 0526		173	160	141	117	81	39
ST 0538		253	234	208	169	117	52

ST 10

TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
ST 1005	5	0.37	0.50	245	1.25"	2.6
ST 1007	7	0.37	0.50	280	1.25"	2.9
ST 1010	10	0.55	0.75	332	1.25"	3.5
ST 1014	14	0.75	1.00	402	1.25"	4.2
ST 1020	20	1.10	1.50	507	1.25"	5.3
ST 1028	28	1.50	2.00	680	1.25"	7.1
ST 1040	40	2.20	3.00	914	1.25"	10.1

TYPE	Q	DELIVERY						
	M ³ /hr	0	1.5	1.8	2.1	2.4	2.7	3.0
	L/min	0	25	30	35	40	45	50
ST 1005	HEAD H m	33	28	26	24	20	17	13
ST 1007		47	39	35	32	28	24	19
ST 1010		67	56	52	47	41	36	27
ST 1014		93	78	73	66	57	50	37
ST 1020		133	113	104	97	82	72	53
ST 1028		187	158	146	130	115	97	74
St 1040		267	226	208	186	164	136	106





ST 13

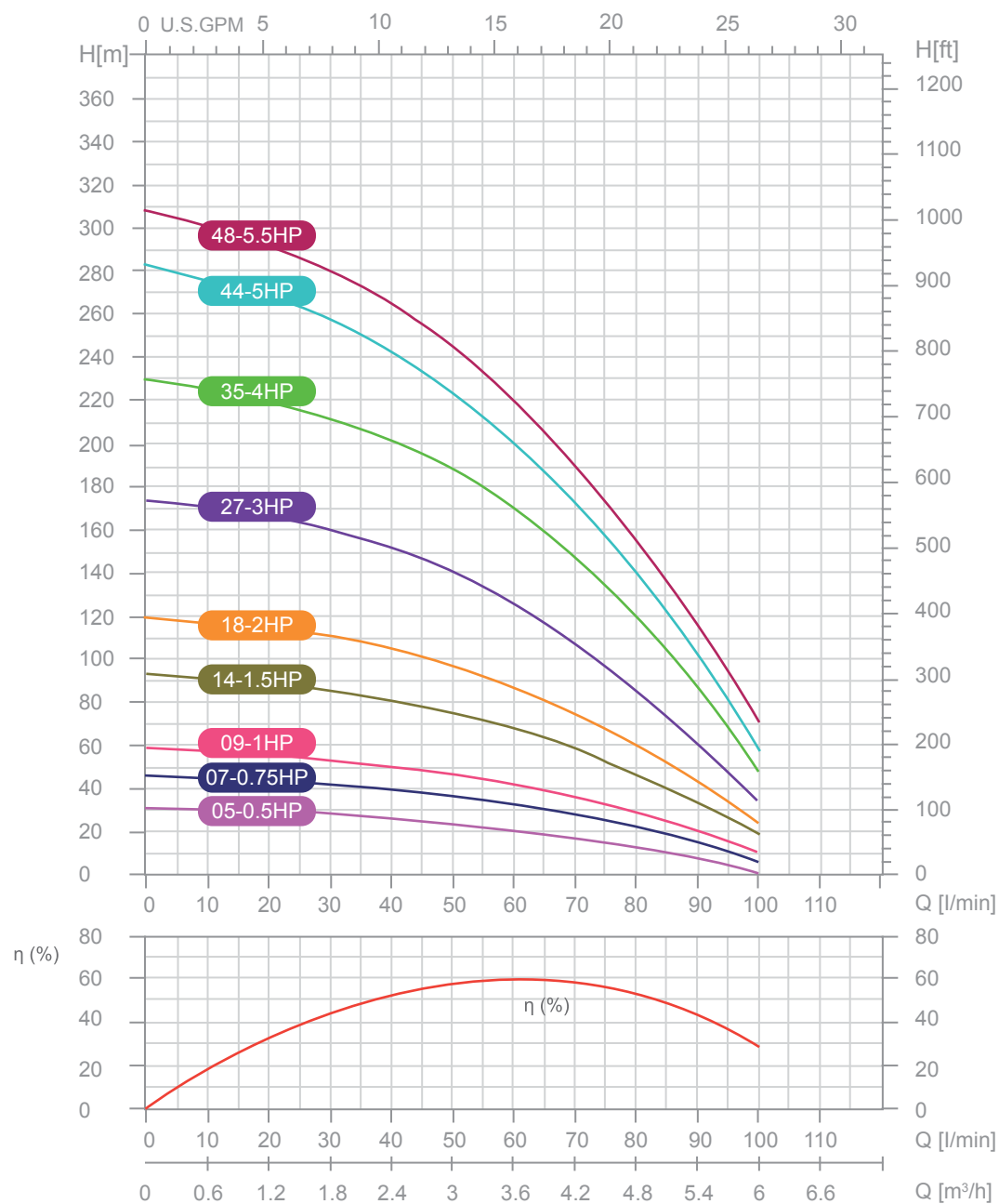
TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
ST 1305	5	0.37	0.50	236	1.25"	2.5
ST 1308	8	0.55	0.75	289	1.25"	2.9
ST 1311	11	0.75	1.00	342	1.25"	3.4
ST 1316	16	1.10	1.50	430	1.25"	4.2
ST 1321	21	1.50	2.00	519	1.25"	5.0
ST 1332	32	2.20	3.00	749	1.25"	7.1

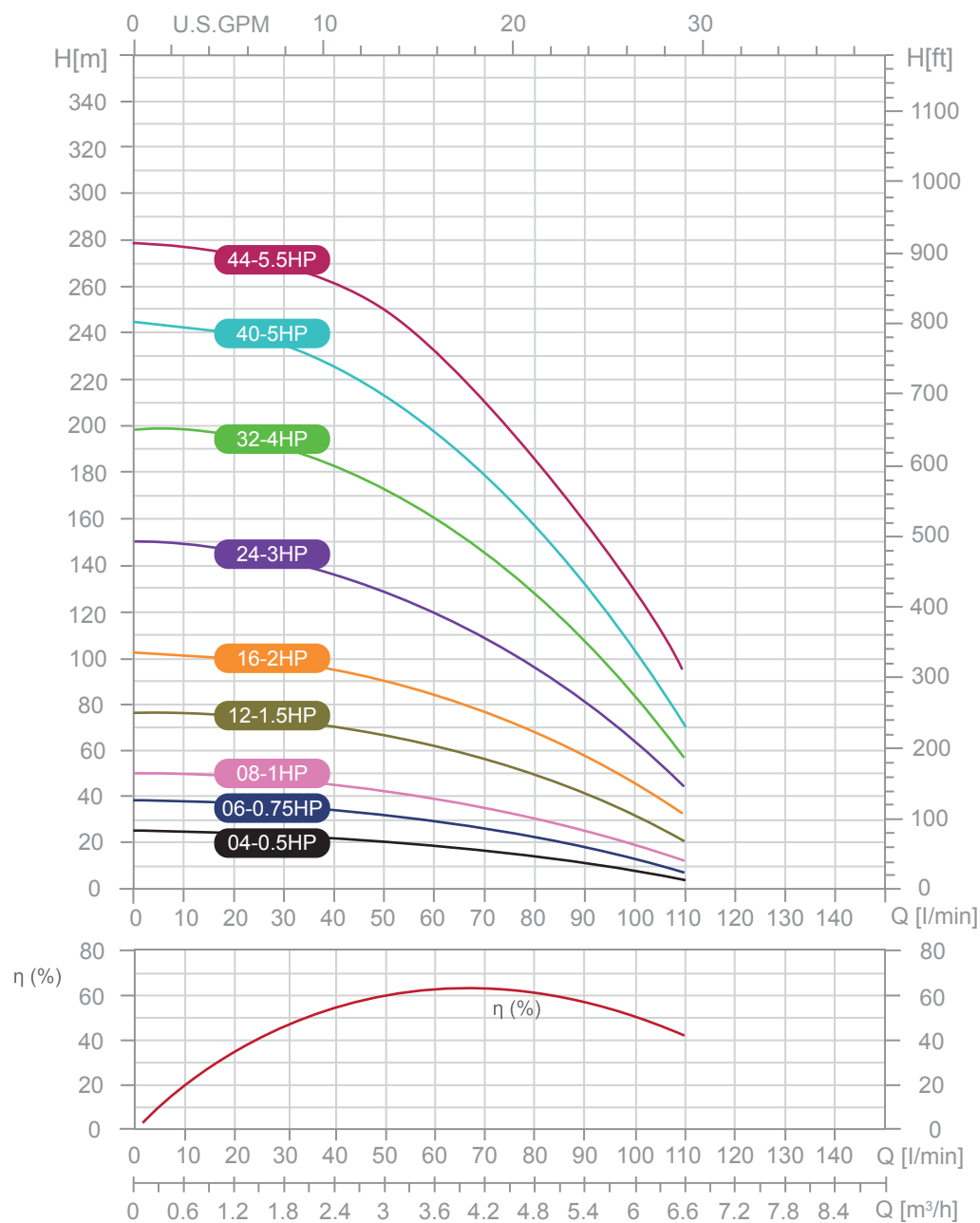
TYPE	Q	DELIVERY						
	M³/hr	0	2.1	2.4	2.7	3.0	3.6	4.2
	L/min	0	35	40	45	50	60	70
ST 1305	HEAD H m	34	29	27	25	23	18	12
ST 1308		54	46	43	41	38	30	19
ST 1311		72	61	58	54	49	38	28
ST 1316		106	89	83	77	70	54	34
ST 1321		142	122	115	108	100	79	49
ST 1332		208	177	165	152	138	104	64

ST 18

TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
ST 1805	5	0.37	0.50	257	1.25"	2.7
ST 1807	7	0.55	0.75	301	1.25"	3.0
ST 1809	9	0.75	1.00	344	1.25"	3.3
ST 1814	14	1.10	1.50	452	1.25"	4.1
ST 1818	18	1.50	2.00	538	1.25"	4.7
ST 1827	27	2.20	3.00	767	1.25"	6.2
ST 1835	35	3.00	4.00	934	1.25"	7.9
ST 1844	44	3.70	5.00	1128	1.25"	9.3
ST 1848	48	4.00	5.50	1253	1.25"	9.9

TYPE	Q	DELIVERY						
	M³/hr	0	3.0	3.6	4.2	4.8	5.4	6.0
	L/min	0	50	60	70	80	90	100
ST 1805	HEAD H m	33	22	21	17	13	8	3
ST 1807		46	36	33	28	21	13	7
ST 1809		59	47	43	37	28	20	10
ST 1814		93	76	68	58	47	33	19
ST 1818		120	98	88	75	60	42	25
ST 1827		175	141	127	109	87	61	35
ST 1835		231	184	166	145	119	85	49
ST 1844		285	223	201	173	139	99	55
ST 1848		322	245	228	198	160	118	70





ST 25

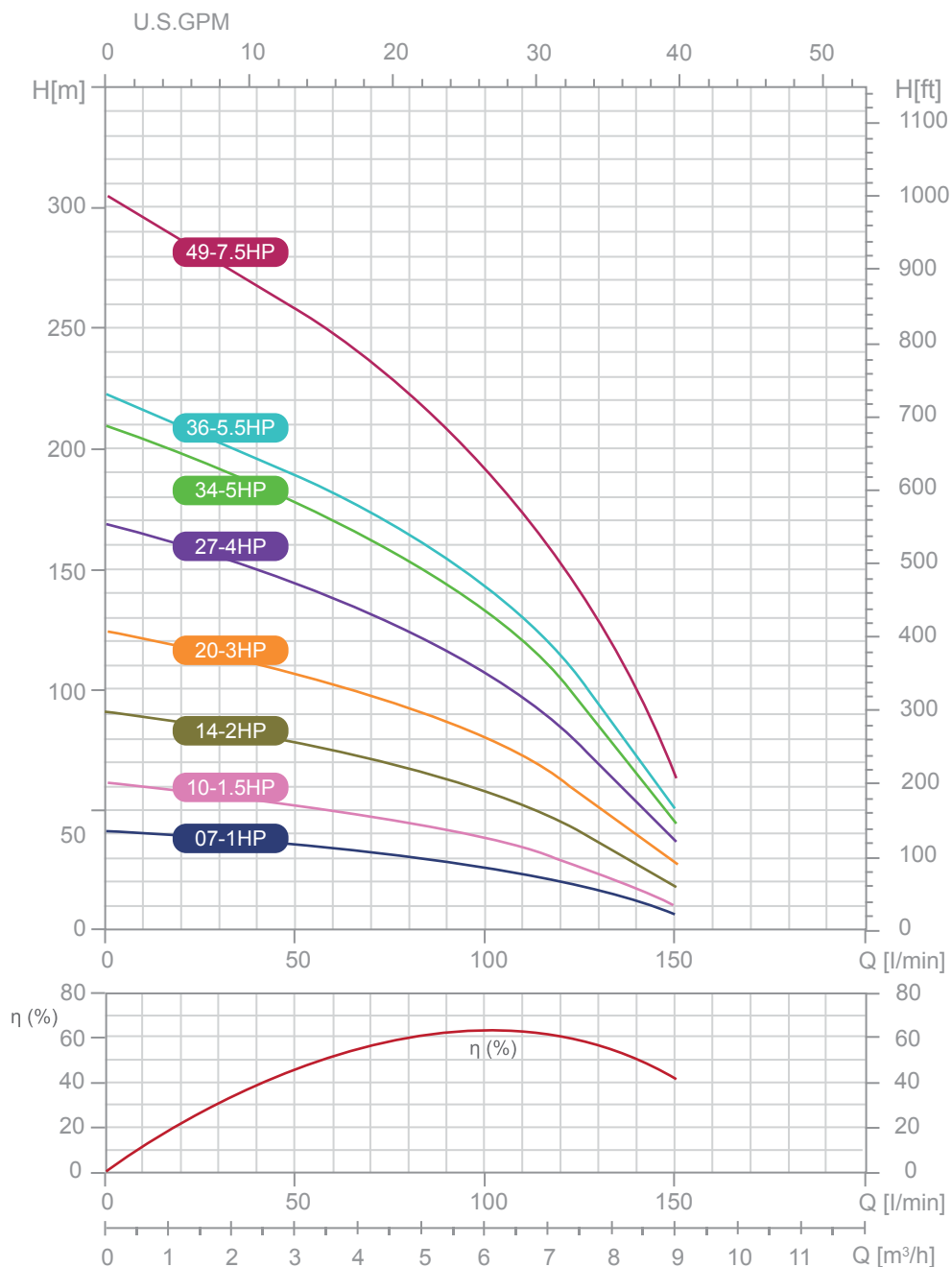
TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
ST 2504	4	0.37	0.50	247	1.25"	2.4
ST 2506	6	0.55	0.75	296	1.25"	2.9
ST 2508	8	0.75	1.00	345	1.25"	3.3
ST 2512	12	1.10	1.50	433	1.25"	4.1
ST 2516	16	1.50	2.00	542	1.25"	5.0
ST 2524	24	2.20	3.00	777	1.25"	6.6
ST 2532	32	3.00	4.00	965	1.25"	8.7
ST 2540	40	3.70	5.00	1160	1.25"	10.4
ST 2544	44	4.00	5.50	1296	1.25"	11.2

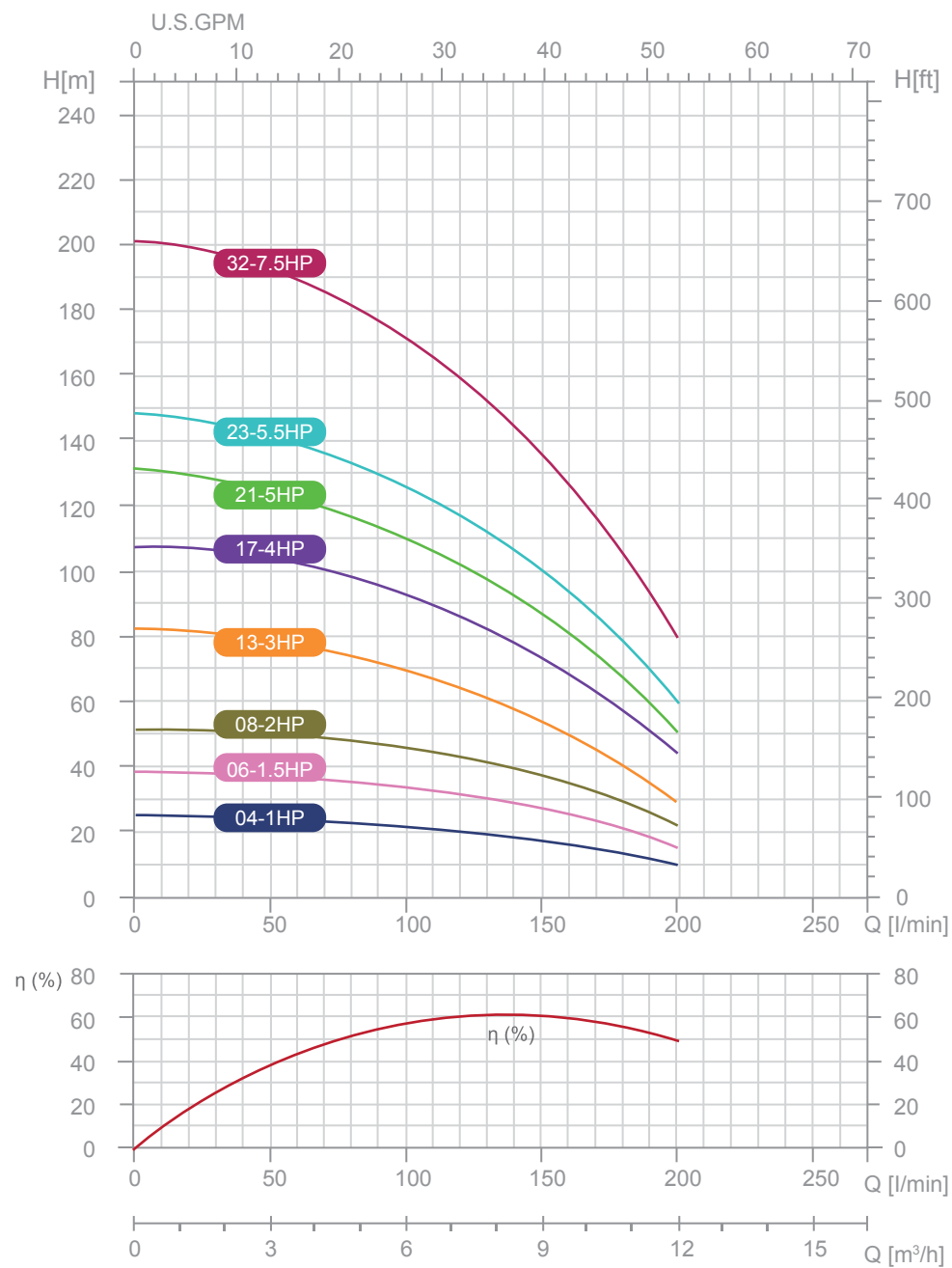
TYPE	Q	DELIVERY						
	M³/hr	0	3.6	4.2	4.8	5.4	6.0	6.6
	L/min	0	60	70	80	90	100	110
ST 2504	HEAD H m	26	19	17	14	11	7	4
ST 2506		38	30	26	22	18	12	8
ST 2508		51	39	35	30	24	18	14
ST 2512		77	63	57	49	41	31	21
ST 2516		102	86	77	68	57	46	34
ST 2524		151	122	111	97	80	62	44
ST 2532		203	162	146	127	105	80	59
ST 2540		253	202	182	159	131	102	70
ST 2544		278	230	210	187	159	127	94

ST 35

TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
ST 3507	7	0.75	1.00	390	2"	3.7
ST 3510	10	1.10	1.50	483	2"	4.6
ST 3514	14	1.50	2.00	607	2"	5.7
ST 3520	20	2.20	3.00	831	2"	7.5
ST 3527	27	3.00	4.00	1048	2"	9.6
ST 3534	34	3.70	5.00	1257	2"	11.6
ST 3536	36	4.00	5.50	1318	2"	12.2
ST 3549	49	5.50	7.50	1802	2"	15.9

TYPE	Q	DELIVERY						
	M³/hr	0	5.4	6	6.6	7.2	7.8	9
	L/min	0	90	100	110	120	130	150
ST 3507	HEAD H m	42	28	25	22	19	15	8
ST 3510		62	41	38	34	29	23	12
ST 3514		90	63	59	53	46	37	19
ST 3520		125	86	80	71	62	52	29
ST 3527		169	115	107	96	84	70	39
ST 3534		208	143	132	120	103	86	48
ST 3536		221	154	143	127	112	93	49
ST 3549		302	209	193	171	151	123	64





ST 40

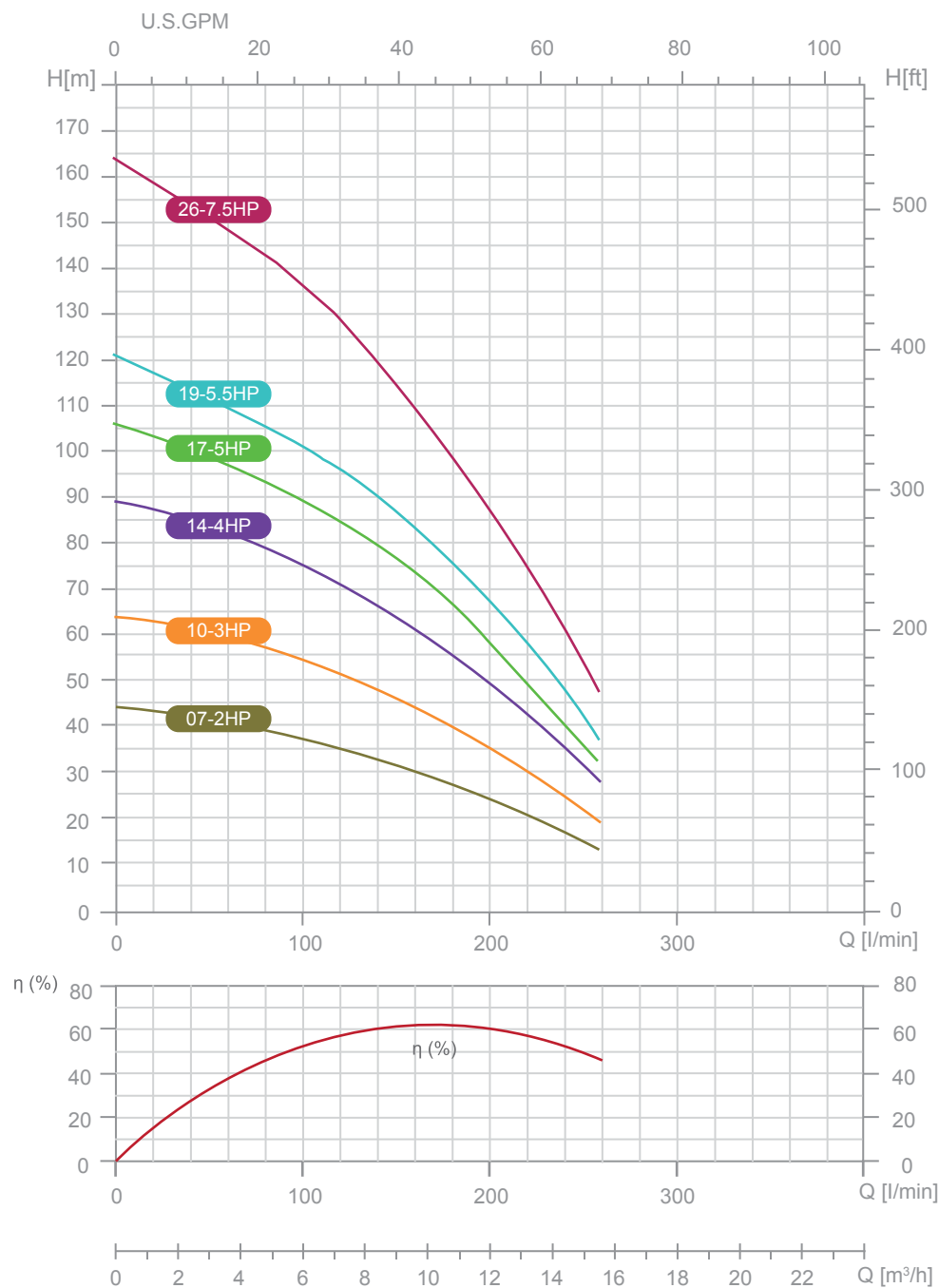
TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
ST 4004	4	0.75	1.00	294	2"	2.8
ST 4006	6	1.10	1.50	356	2"	3.4
ST 4008	8	1.50	2.00	418	2"	4.0
ST 4013	13	2.20	3.00	573	2"	5.5
ST 4017	17	3.00	4.00	697	2"	6.6
ST 4021	21	3.70	5.00	859	2"	7.8
ST 4023	23	4.00	5.50	921	2"	8.4
ST 4032	32	5.50	7.50	1238	2"	11.0

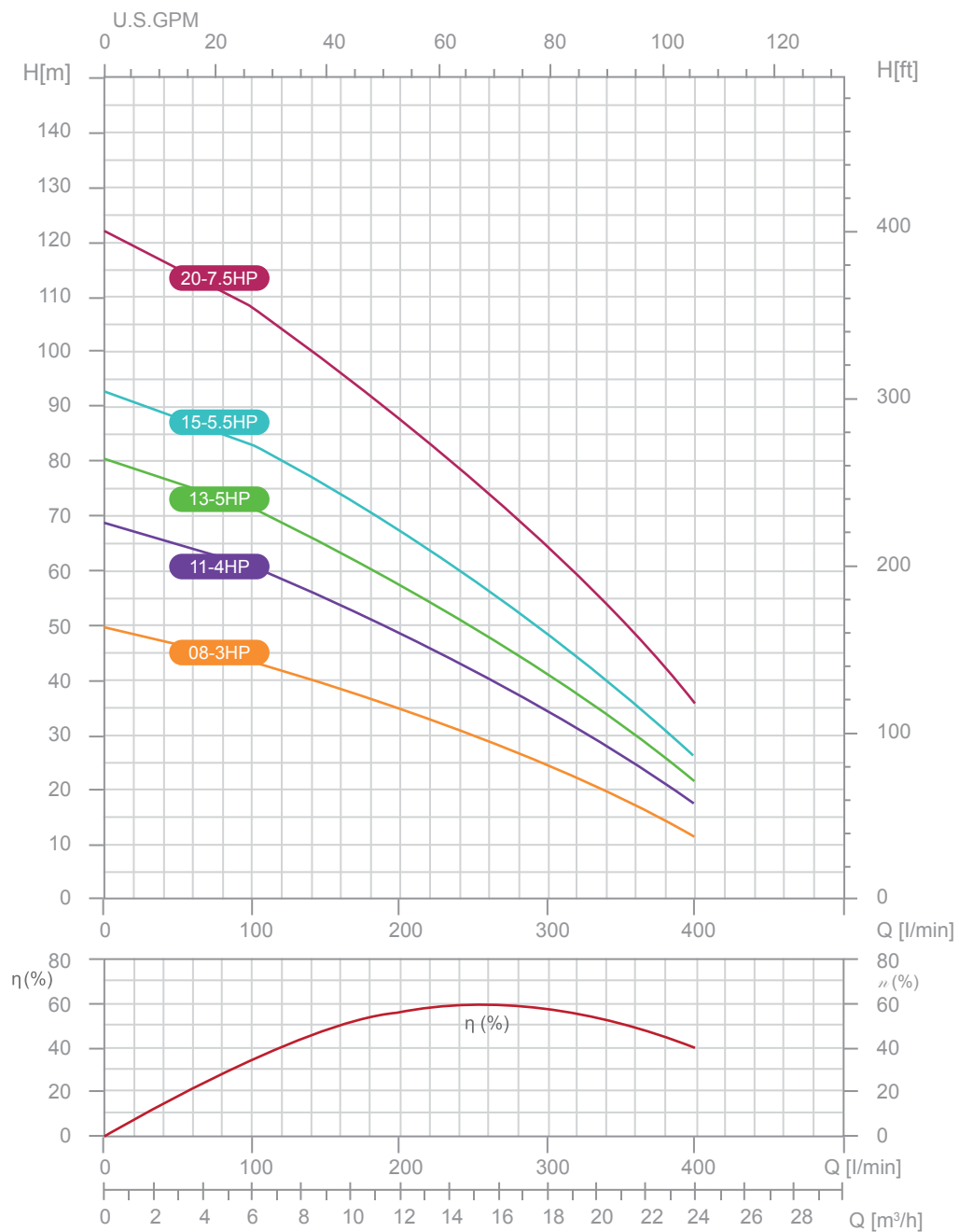
TYPE	Q	DELIVERY						
	M³/hr	0	7.2	7.8	8.4	9.0	9.6	12
	L/min	0	120	130	140	150	160	200
ST 4004	HEAD H m	26	21	20	19	18	17	11
ST 4006		39	32	30	29	27	26	18
ST 4008		52	43	40	39	37	35	24
ST 4013		82	66	62	59	53	50	30
ST 4017		108	87	83	79	75	70	47
ST 4021		132	103	98	93	88	82	52
ST 4023		148	118	113	108	101	95	60
ST 4032		202	160	151	143	133	125	80

ST 60

TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
ST 6007	7	1.50	2.00	534	2"	5.3
ST 6010	10	2.20	3.00	690	2"	6.7
ST 6014	14	3.00	4.00	989	2"	8.6
ST 6017	17	3.70	5.00	1092	2"	10.1
ST 6019	19	4.00	5.50	1195	2"	11.0
ST 6026	26	5.50	7.50	1559	2"	14.3

TYPE	Q	DELIVERY						
	M³/hr	0	9.6	10.8	12.0	13.0	14.4	15.6
	L/min	0	160	180	200	220	240	260
ST 6007	HEAD H m	45	31	28	25	22	18	14
ST 6010		64	44	41	36	32	26	20
ST 6014		89	62	56	49	43	35	29
ST 6017		107	74	67	59	51	42	33
ST 6019		120	89	76	68	58	48	38
ST 6026		163	111	100	87	75	61	47





ST 80

TYPE	N. OF STAGES	MOTOR		PUMP		
		KW	HP	L (mm)	DN (RPT or NPT)	kg
ST 8008	8	2.20	3.00	676	2"	6.3
ST 8011	11	3.00	4.00	880	2"	8.1
ST 8013	13	3.70	5.00	1013	2"	9.3
ST 8015	15	4.00	5.50	1149	2"	10.5
ST 8020	20	5.50	7.50	1489	2"	13.5

TYPE	Q	DELIVERY						
		M³/hr	0	15.6	16.8	18.0	19.2	20.4
		L/min	0	260	280	300	320	340
ST 8008	HEAD H m		51	29	27	24	20	18
ST 8011			70	41	38	34	30	27
ST 8013			81	48	45	41	36	32
ST 8015			97	58	54	50	43	39
ST 8020			125	74	70	65	56	44



OUR VISION

To be the recognized leader in the deep well pumps markets, as measured by quality, service and growth.

“Our vision is a challenge and it takes a lot of determination, commitment and most importantly, passion to succeed. Our passion for excellence is a formidable force that will carry us relentlessly to meet and exceed our challenge, we believe in it, we fight for it and we will deliver.”

OUR MISSION

We are committed to providing our customers with the products that have differentiated and value added features.

“

We knew from the beginning that breaking into the market already dominated by established brands will be a challenge. Doing exactly what they are doing will not be an option. Innovation through product differentiation is the only solution. We improve and differentiate ourselves and it started with our product innovation, The Ultimate Sand Driver Pumps.

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