



ST 4" Series
Submersible Electric Pumps

50 Hz

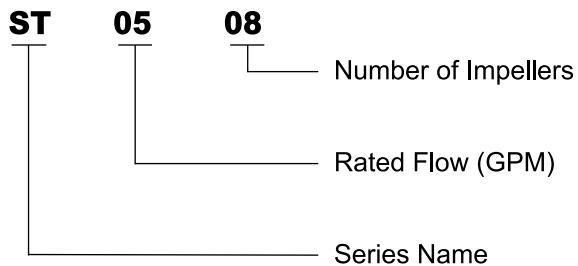


Our mission is to provide fluid management innovated solutions to everyone in South Africa by delivering savings and certainty for households, businesses, farms, the environment and the children of tomorrow.

We strive to provide fast and efficient client service, to provide the latest technology available to lead clients to buying the best product for their needs.



Model code



APPLICATIONS

- Water Supply
- Irrigation
- Pressure Boosting

GENERAL SPECIFICATIONS PUMP

- Delivery: up to 24 m³/h at 2850 rpm
- Head: up to 322 m at 2850 rpm
- Maximum permissible quantity of sand: 150g/m³
- ST05-ST07-ST10-ST13-ST18 models 1 ¼" discharge.
- ST25 model 1½" discharge.
- ST35-ST40-ST55-ST60-ST80 models 2" discharge.

Discharge Head and Motor Adaptor are precision machined cast 304 stainless steel for superior strength and durability. The motor adaptor is NEMA standard.

Impellers are floating type made with Noryl® for a superior sand handling. Together with glass filled polycarbonate diffusers make the super strong pumps for maximum wear and abrasive resistance. The materials are FDA compliant materials.

Impeller Bowls are made from 304 stainless steel, maximizing wear from abrasion.

Shaft Coupling is made from 304 stainless steel for easy alignment to the motor shaft.

Strainer is made from stamped 304 stainless steel for rigidity.

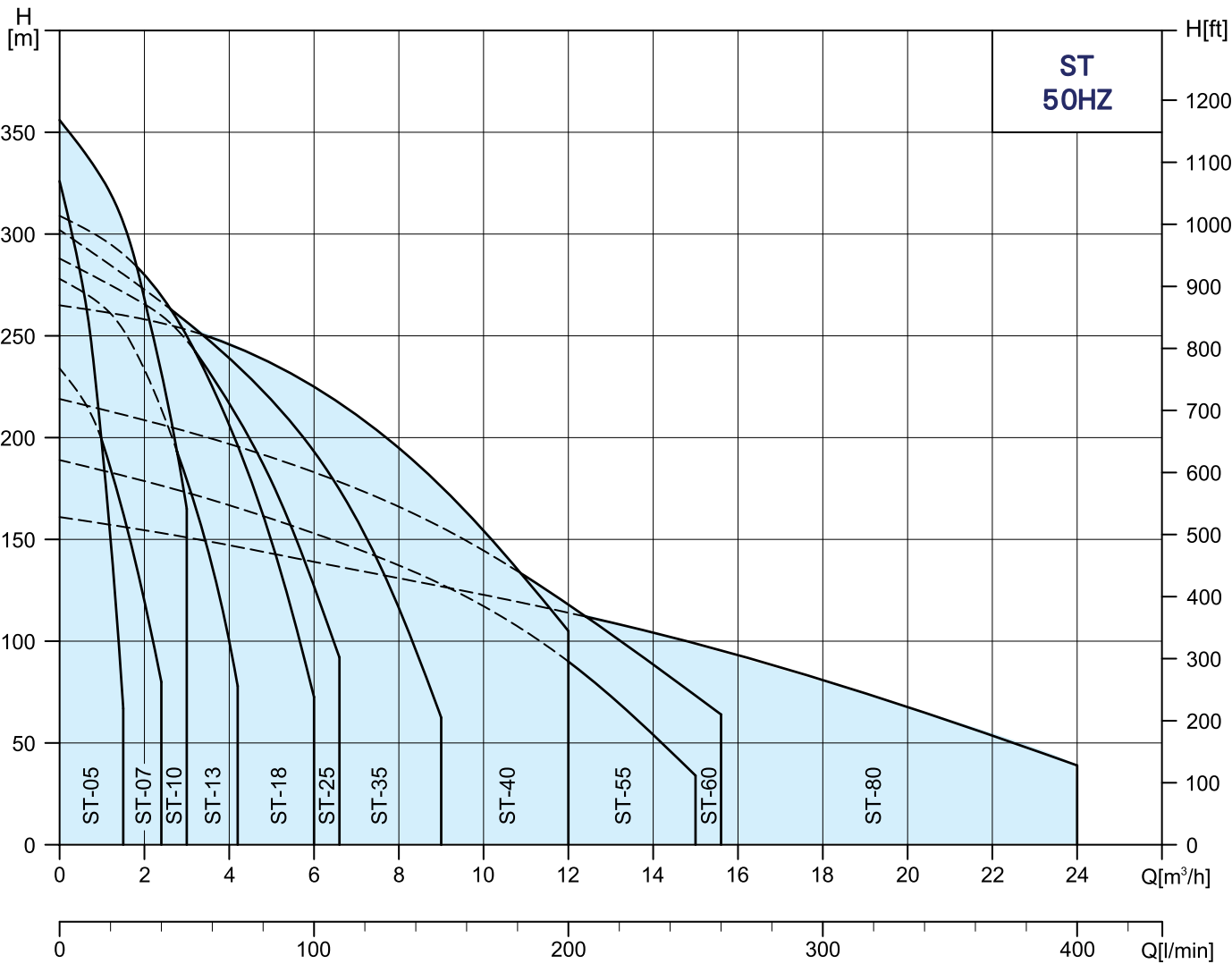
Non-Return valve made from 304 stainless steel, fitted in the discharge to prevent any back flow of water and alleviate any water hammer to the pumps.

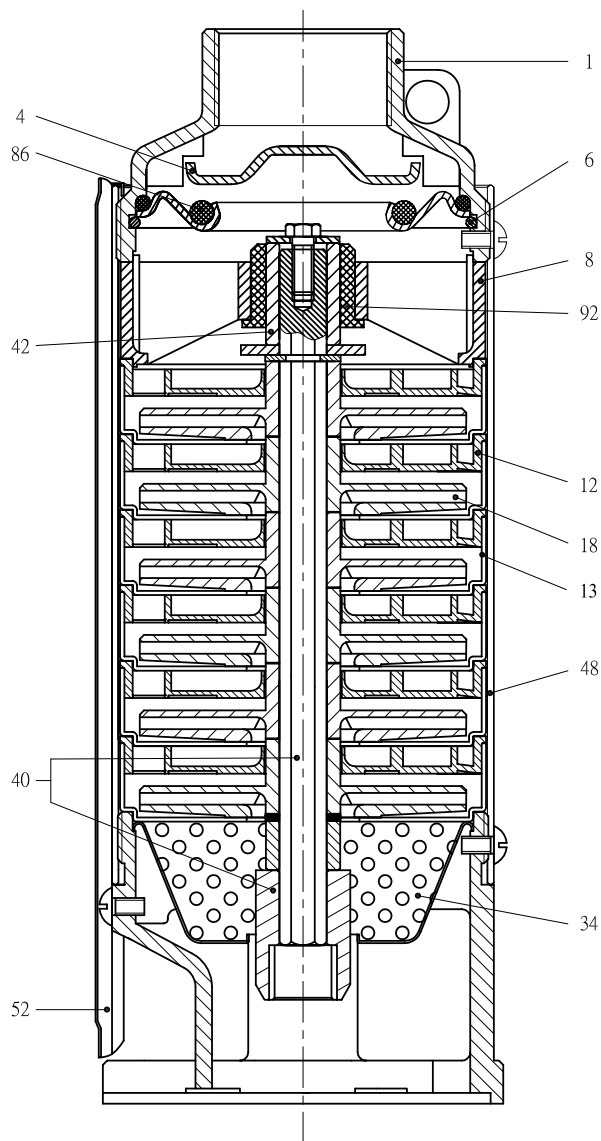
Pump Shaft is made from hex 304 stainless steel bar material for high corrosion resistance.

Bearing is made with Polyacetal for strong wear and abrasive resistance.

Pump body is covered by a 1.5mm thick 304 polished stainless steel casing, ensures optimum resistance to abrasion.

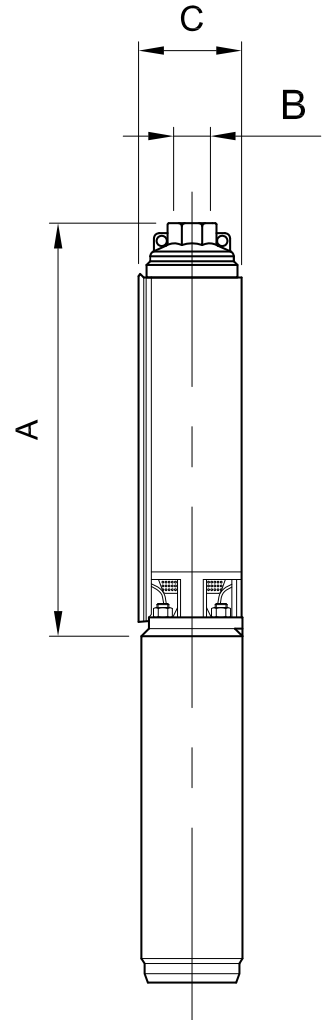
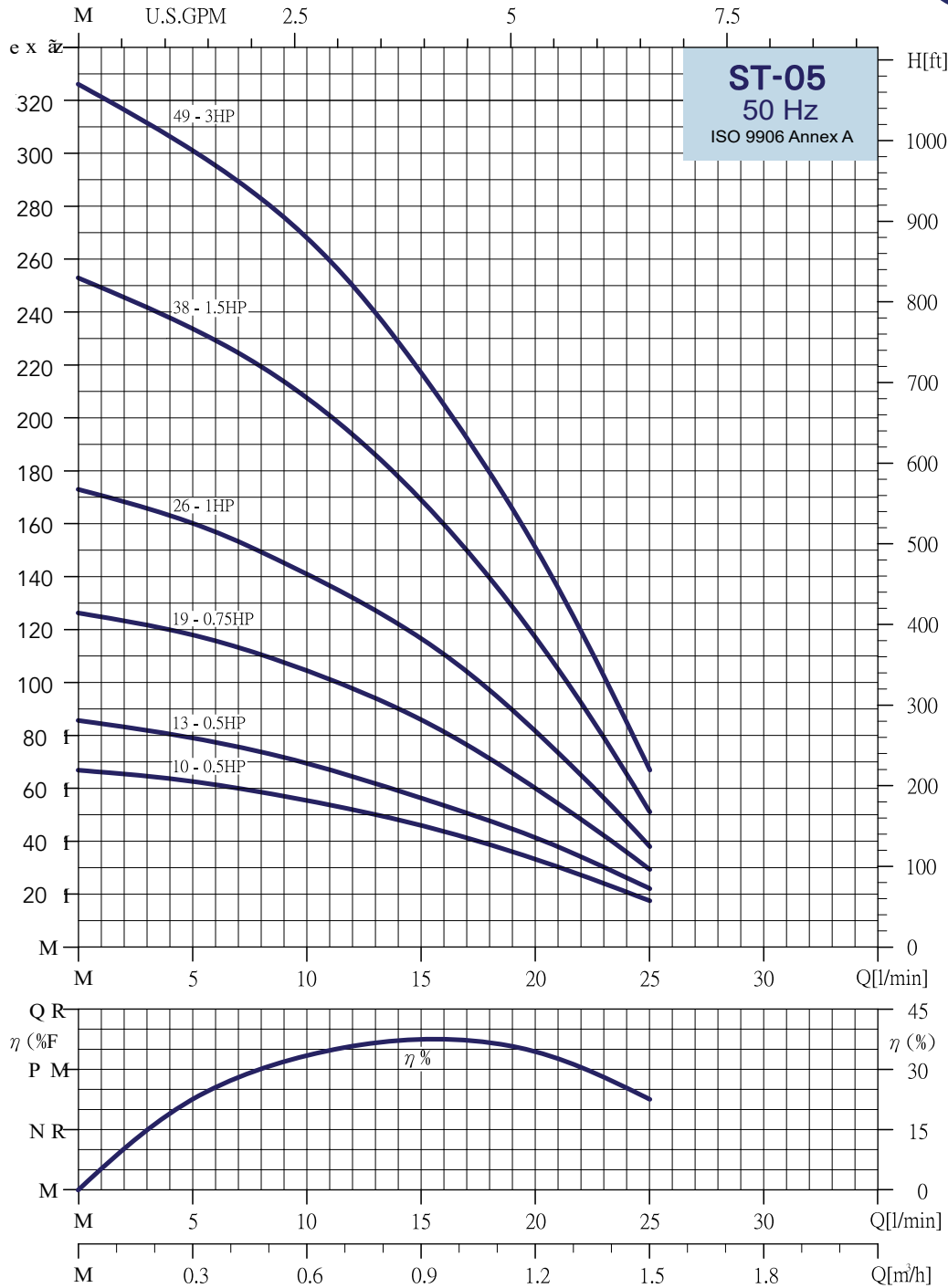
Performance Range





Pos.	Part Name	Material
1	Discharge Head	AISI 304 SS
4	Check Valve Cone	AISI 304 SS
6	Check Valve retaining Ring	AISI 304 SS
8	Bearing Spider	Glass Filled Polycarbonate
12	Diffuser	Glass Filled Polycarbonate
13	Bowl	AISI 304 SS
18	Impeller	Noryl
34	Strainer	AISI 304 SS
40	Pump Shaft / Coupling	AISI 304 SS
42	Shaft Sleeve	AISI 304 SS or Noryl
48	Pump Casing	AISI 304 SS
52	Cable Guard	AISI 304 SS
86	O-Ring	NBR
92	Bearing	Polyacetal

ST-05 | Performance Curves

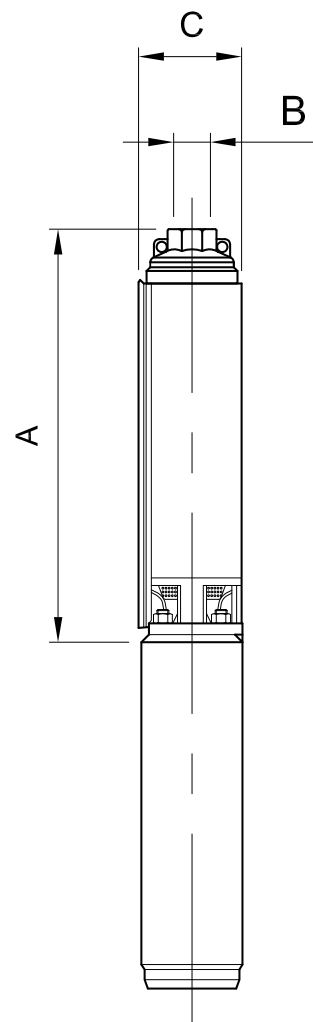
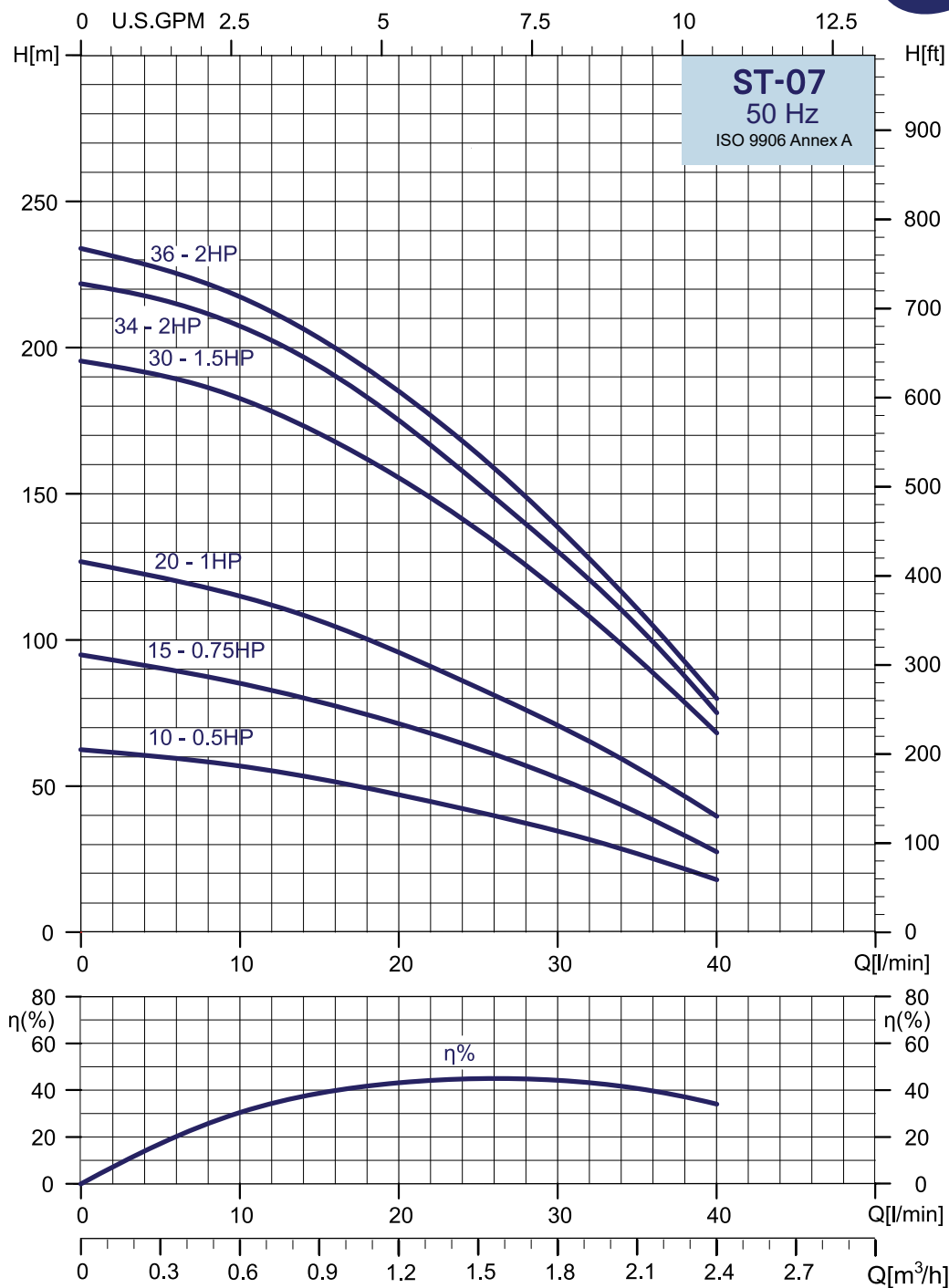


Selection Chart									
Pump Type	Stage	Motor		Q=Delivery					
				l/min	5	10	15	20	25
		kW	HP	m³/h	0.3	0.6	0.9	1.2	1.5
		H=Total Head in meters							
ST-0510	10	0.37	0.5	67	63	55	46	33	18
ST-0513	13	0.37	0.5	86	78	70	56	42	23
ST-0519	19	0.55	0.75	126	118	105	86	60	30
ST-0526	26	0.75	1	173	160	141	117	81	39
• ST-0538	38	1.1	1.5	253	234	208	169	117	52
• S T-0549	49	2.2	3	326	301	268	219	151	67

Dimensions and Weights				
Pump Type	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-0510	324	RP/NPT: 1 1/4"	98	3.3
ST-0513	377		98	3.7
ST-0519	481		98	4.7
ST-0526	642		98	5.8
• ST-0538	910		98	92
• S T-0549	1105		98	12.5

The • means outer sleeve made by 2 pices

ST-07 | Performance Curves

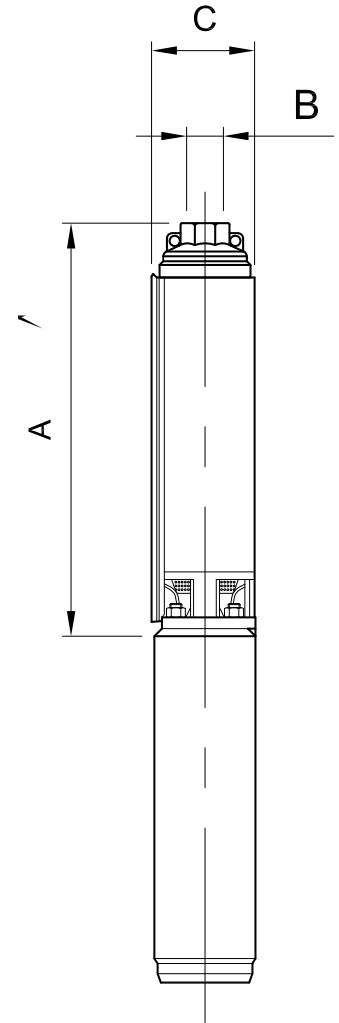
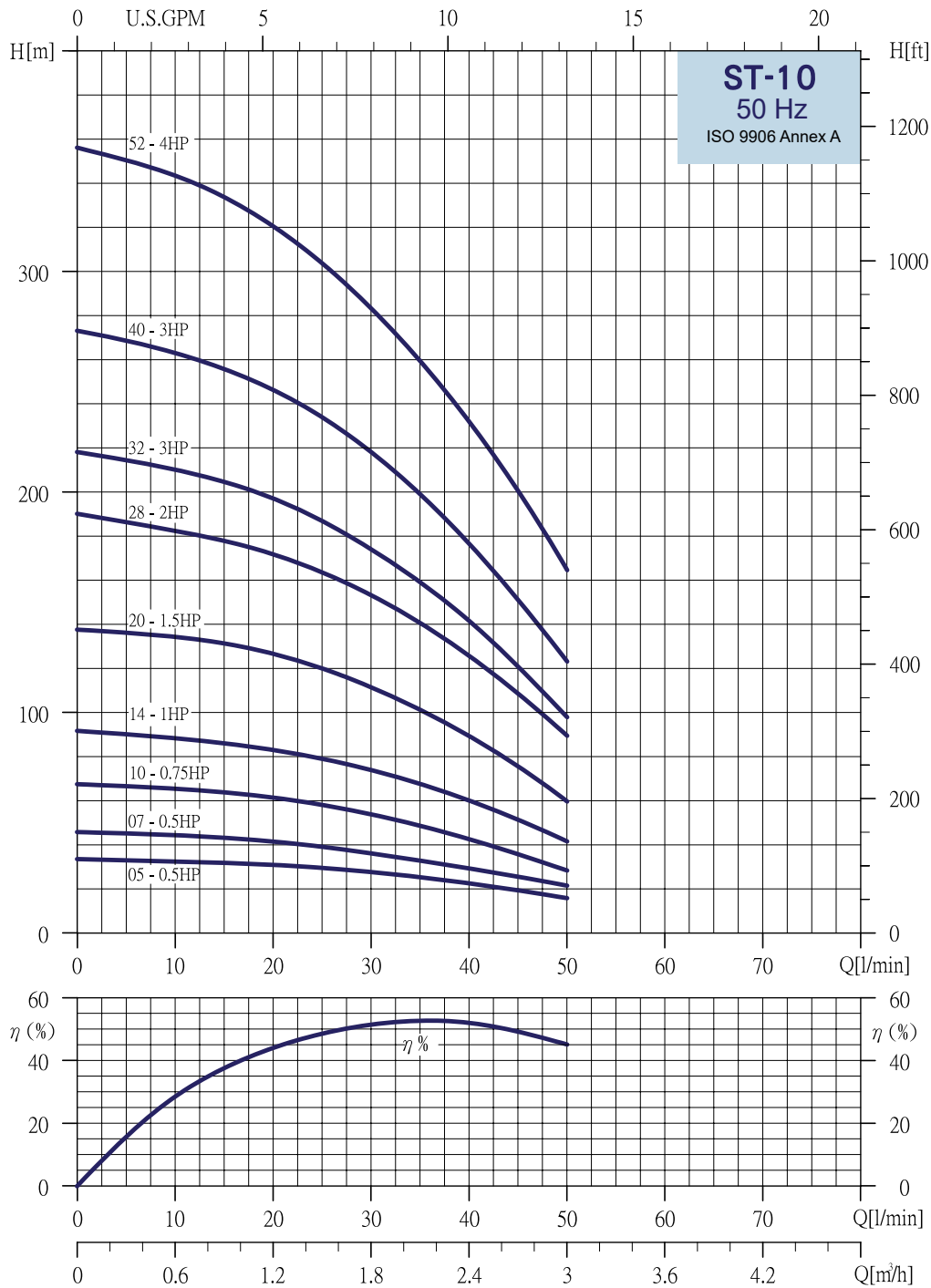


Selection Chart												
Pump Type	Stage	Motor		Q=Delivery								
				l/min	5	10	15	20	25	30	35	40
		kW	HP	m³/h	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4
		H=Total Head in meters										
ST-0710	10	0.37	0.5	63		57	53	47	42	35	27	18
ST-0715	15	0.55	0.75	95		86	78	72	63	53	41	28
ST-0720	20	0.75	1	127		115	107	96	84	71	56	40
ST-0730	30	1.1	1.5	195		183	171	156	138	117	94	69
• ST-0734	34	1.5	2	222		207	194	175	154	130	104	76
• ST-0736	36	1.5	2	234		217	203	185	164	138	110	80

Dimensions and Weights				
Pump Type	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-0710	330	RP/NPT: 1 1/4"	98	3.3
ST-0715	420		98	4.3
ST-0720	510		98	5.3
ST-0730	730		98	7.4
• ST-0734	858		98	9.3
• ST-0736	895		98	9.8

The • means outer sleeve made by 2 pices

ST-10 | Performance Curves

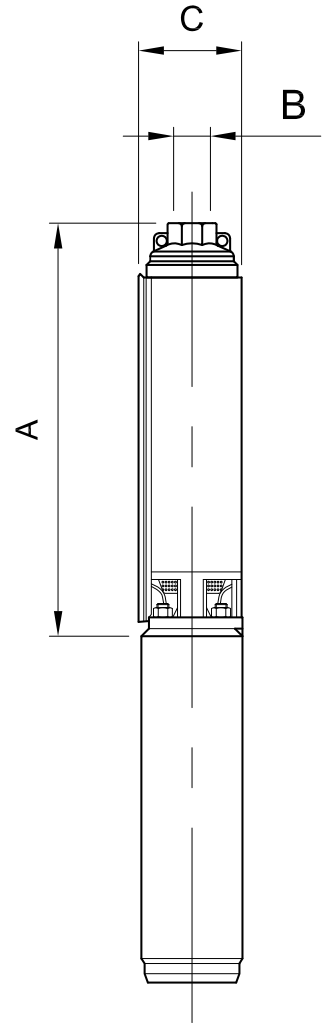
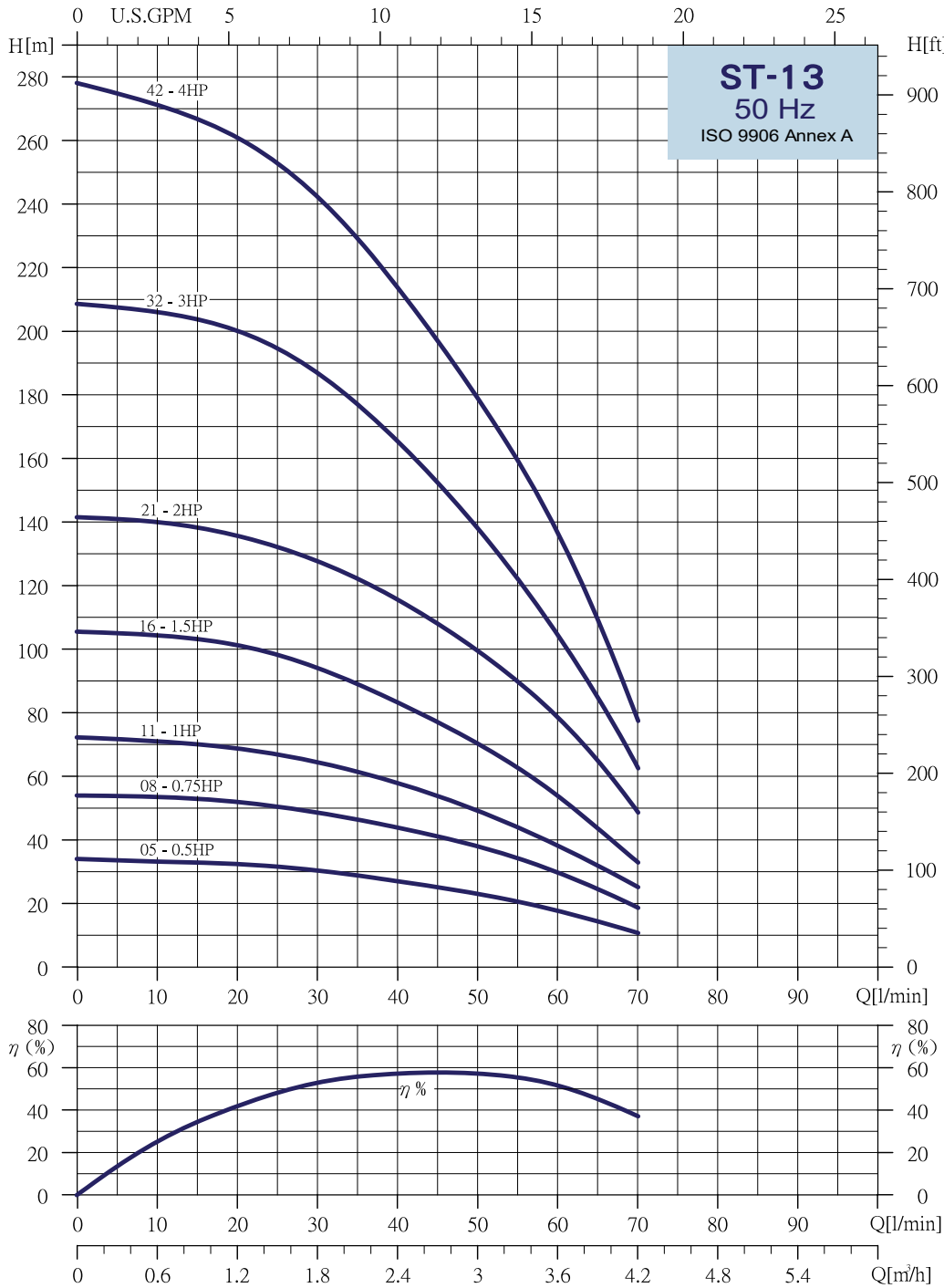


Selection Chart														
Pump Type	Stage	Motor		Q=Delivery										
				l/min	5	10	15	20	25	30	35	40	45	50
		kW	HP	m³/h	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		H=Total Head in meters												
ST-1005	5	0.37	0.5	34			32	31	29	27	25	23	19	16
ST-1007	7	0.37	0.5	46			43	42	39	36	33	29	26	22
ST-1010	10	0.55	0.75	67			64	61	58	54	49	43	36	28
ST-1014	14	0.75	1	92			86	83	79	74	67	60	52	42
ST-1020	20	1.1	1.5	139			131	127	120	111	101	90	75	60
ST-1028	28	1.5	2	190			178	172	163	153	141	126	108	89
• ST-1032	32	2.2	3	218			205	197	187	174	159	142	121	96
• ST-1040	40	2.2	2	273			256	246	234	218	199	177	151	123
• ST-1052	52	3	4	356			334	320	304	283	259	232	201	165

Dimensions and Weights				
Pump Type	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-1005	236	RP/NPT: 1 1/4"	98	2.5
ST-1007	271		98	2.8
ST-1010	324		98	3.3
ST-1014	394		98	3.9
ST-1020	499		98	4.9
ST-1028	679		98	7.1
• ST-1032	787		98	7.8
• ST-1040	950		98	10.5
• ST-1052	1235		98	13.5

The • means outer sleeve made by 2 pices

ST-13 | Performance Curves

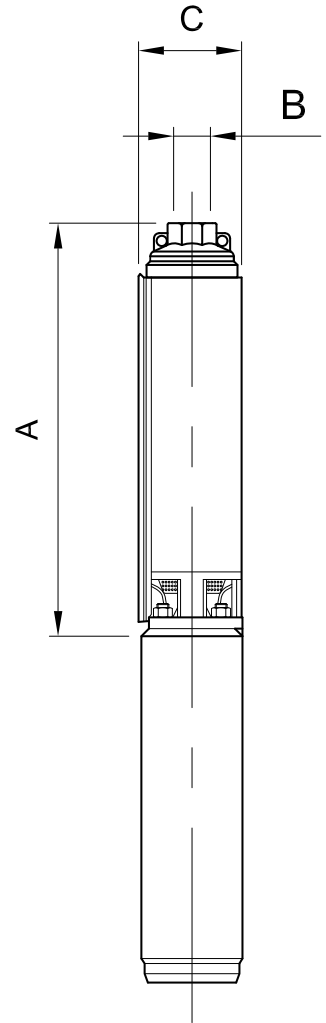
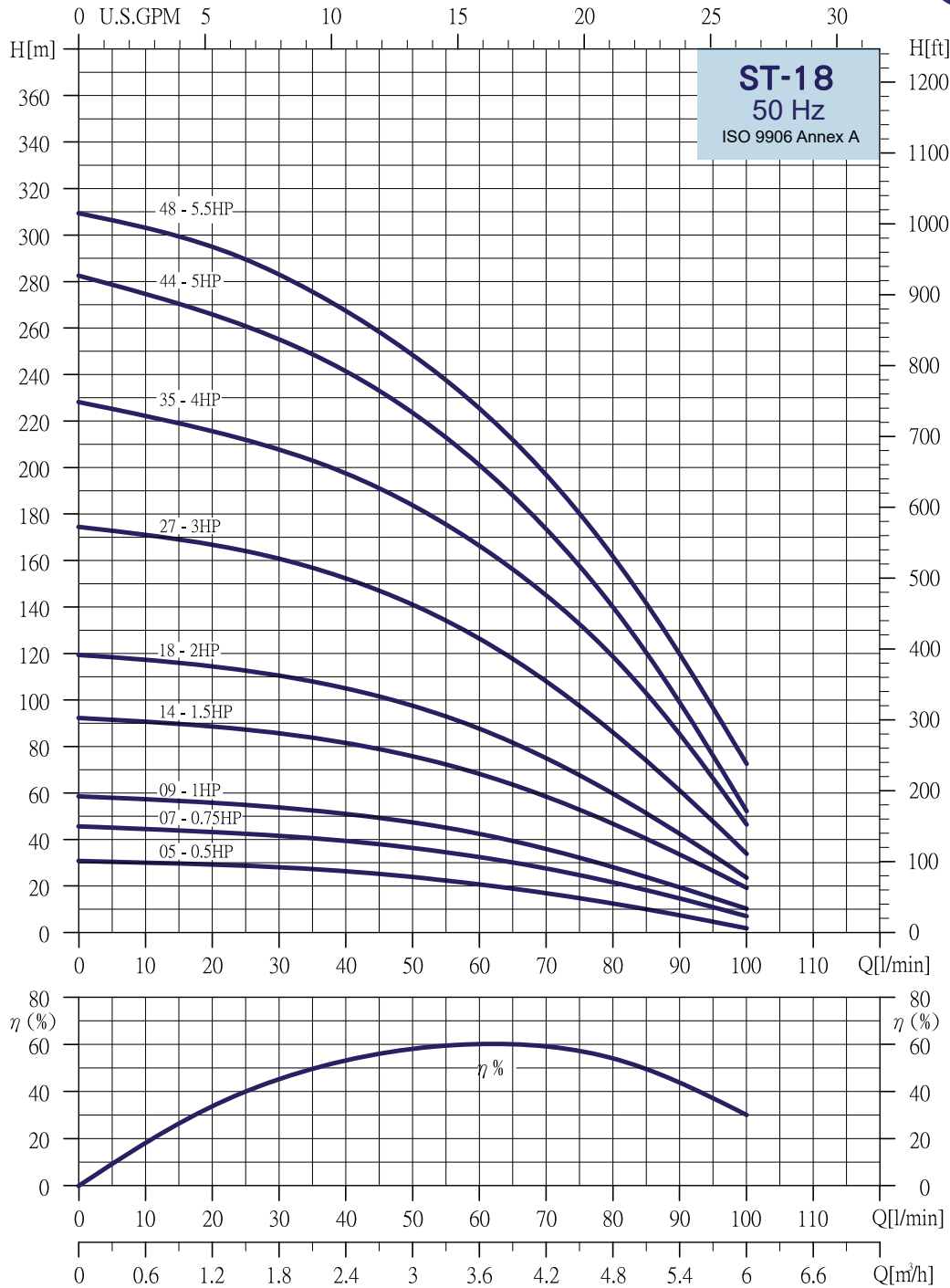


Selection Chart																
Pump Type	Stage	Motor		Q=Delivery												
				l/min	5	10	15	20	25	30	35	40	45	50	60	70
		kW	HP	m³/h	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.6	4.2
		H=Total Head in meters														
ST-1305	5	0.37	0.5	34				32	31	30	29	27	25	23	18	11
ST-1308	8	0.55	0.75	54				51	50	49	46	43	41	38	30	19
ST-1311	11	0.75	1	72				68	66	64	61	58	54	49	38	26
ST-1316	16	1.1	1.5	106				101	98	95	89	83	77	70	54	33
ST-1321	21	1.5	2	142				135	132	127	122	115	108	100	79	49
• ST-1332	32	2.2	3	208				200	194	187	177	165	152	138	104	62
• ST-1342	42	3	4	278				261	253	242	229	214	197	179	137	78

Dimensions and Weights				
Pump Type	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-1305	236	RP/NPT: 1 1/4"	98	2.5
ST-1308	289		98	2.9
ST-1311	342		98	3.4
ST-1316	430		98	4.2
ST-1321	519		98	5
• ST-1332	805		98	8.1
• ST-1342	985		98	10.7

The • means outer sleeve made by 2 pices

ST-18 | Performance Curves

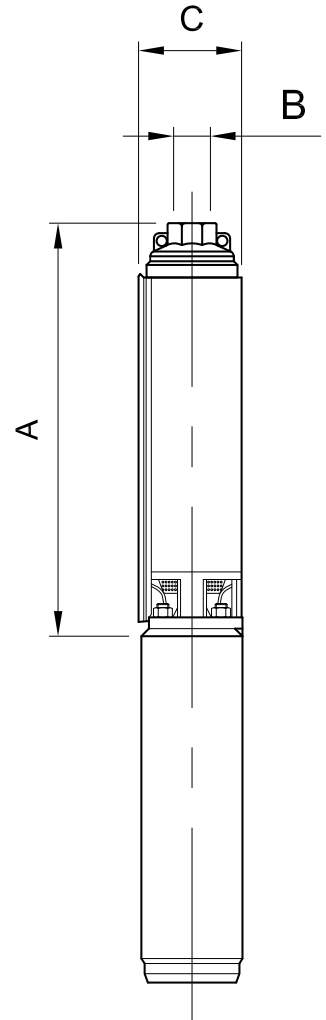
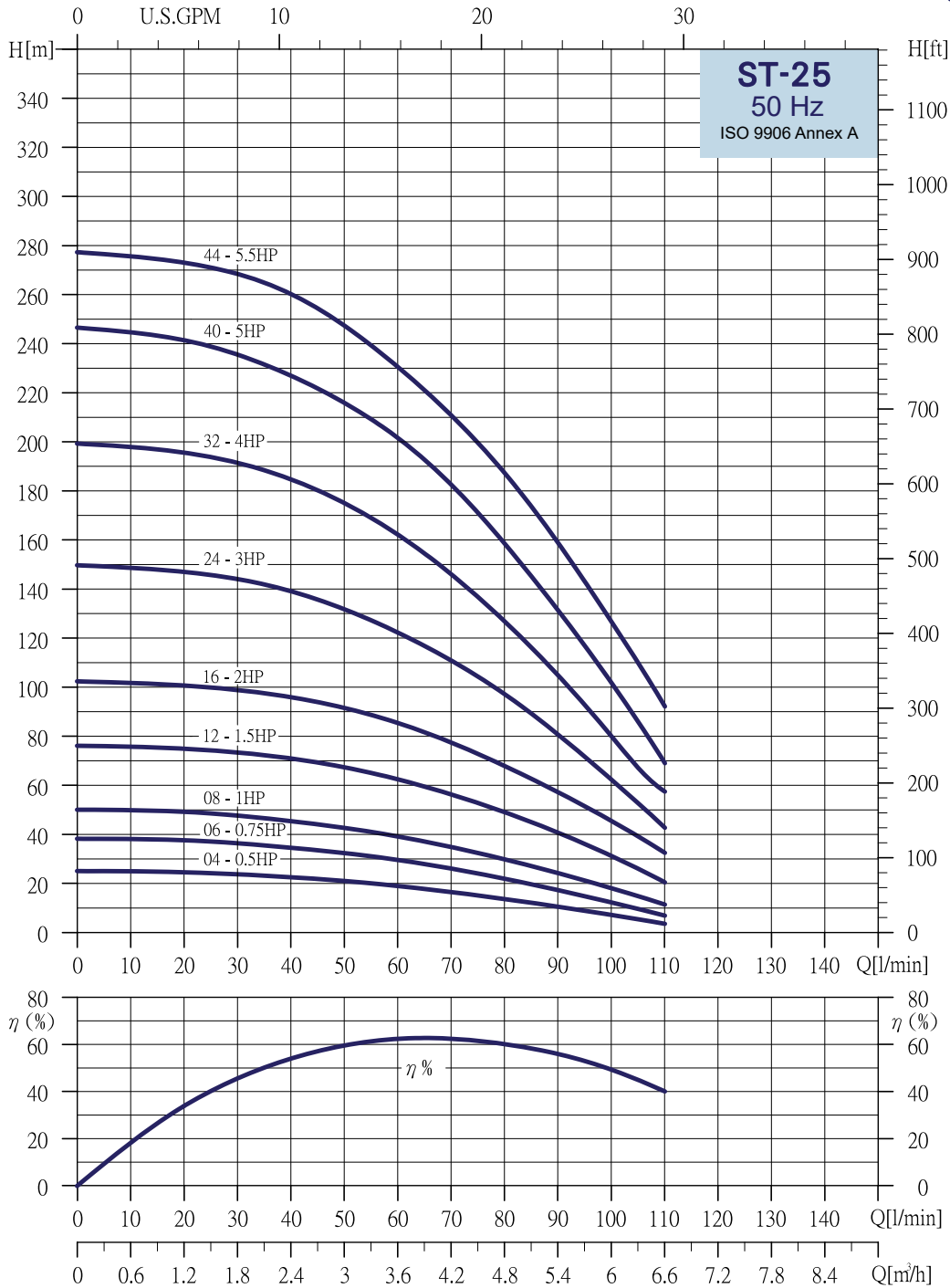


Selection Chart																	
Pump Type	Stage	Motor		Q=Delivery													
				l/min	15	20	25	30	35	40	45	50	60	70	80	90	100
		kW	HP	m³/h	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.6	4.2	4.8	5.4	6
		H=Total Head in meters															
ST-1805	5	0.37	0.5	33			29	28	27	26	25	24	21	18	13	8	3
ST-1807	7	0.55	0.75	46			43	42	41	39	38	36	33	28	22	15	7
ST-1809	9	0.75	1	59			55	54	52	51	49	47	43	37	28	20	10
ST-1814	14	1.1	1.5	93			87	86	83	81	79	76	68	58	47	33	20
ST-1818	18	1.5	2	120			113	111	108	105	102	98	88	75	60	42	25
ST-1827	27	2.2	3	175			164	161	157	152	147	141	127	109	87	61	35
• ST-1835	35	3	4	228			212	208	203	197	191	184	166	145	119	85	46
• ST-1844	44	3.7	5	282			261	255	249	241	233	223	201	173	140	99	52
• ST-1848	48	4	5.5	309			289	283	276	267	258	248	225	197	162	120	73

Dimensions and Weights				
Pump Type	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-1805	257	RP/NPT: 1 1/4"	98	2.7
ST-1807	301		98	3
ST-1809	344		98	3.3
ST-1814	452		98	4.1
ST-1818	538		98	4.7
ST-1827	805		98	7.2
• ST-1835	995		98	8.9
• ST-1844	1187		98	10.3
• ST-1848	1312		98	10.9

The • means outer sleeve made by 2 pices

ST-25 | Performance Curves

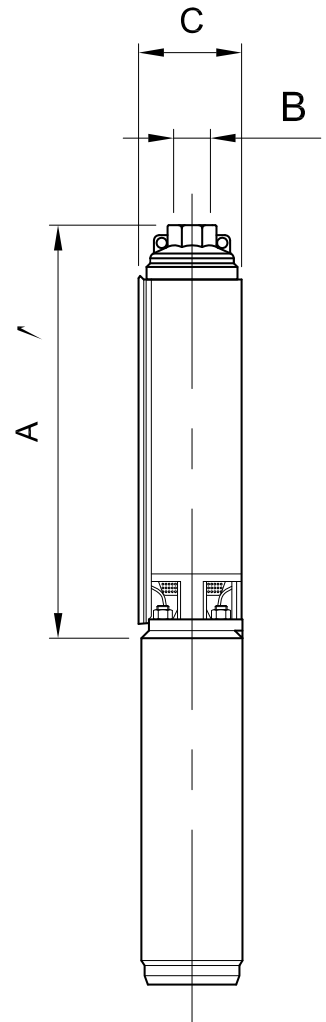
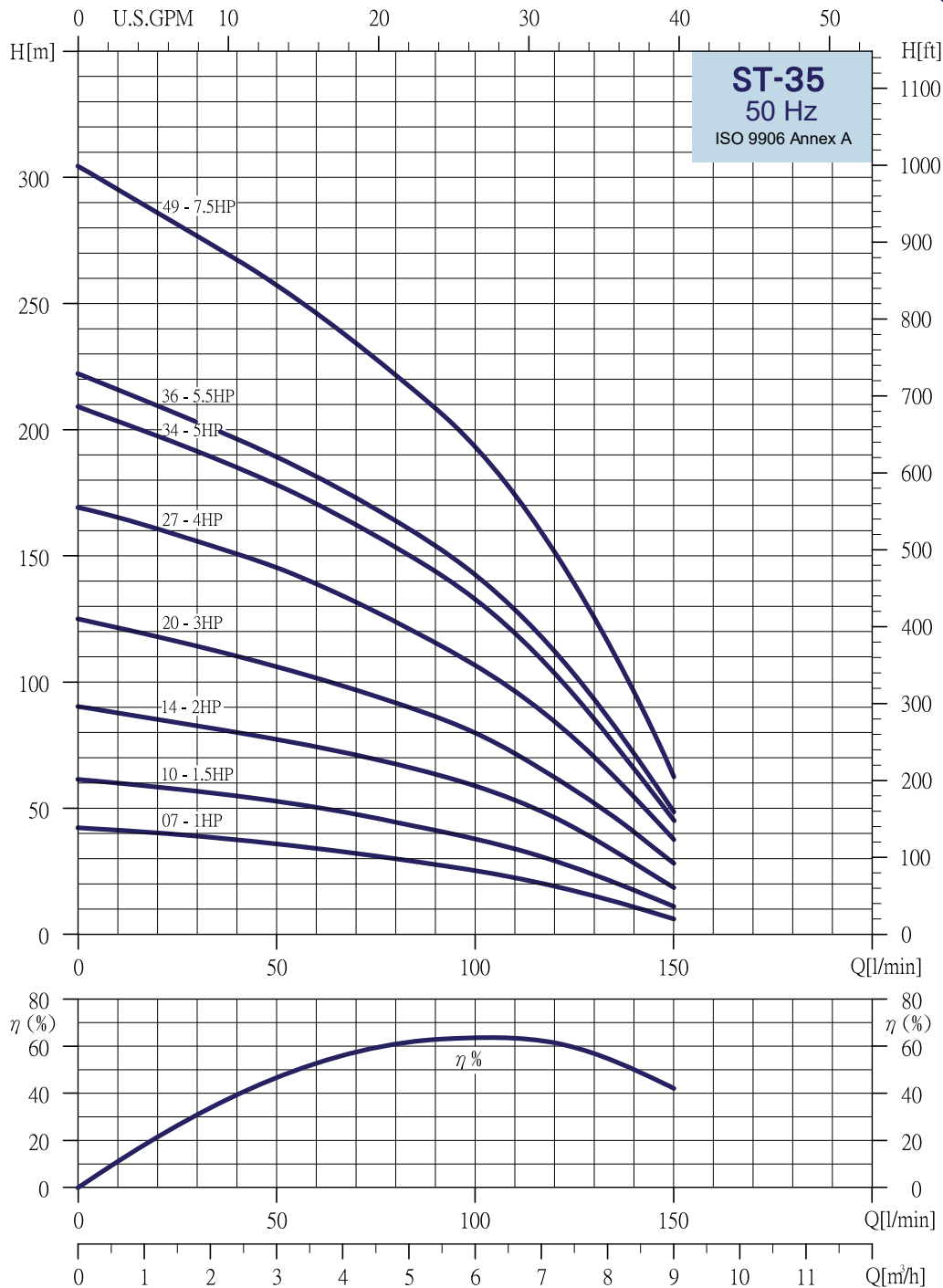


Selection Chart														
Pump Type	Stage	Motor		Q=Delivery										
				l/min	30	35	40	45	50	60	70	80	90	100
		kW	HP	m³/h	1.8	2.1	2.4	2.7	3	3.6	42	4.8	5.4	6
		H=Total Head in meters												
ST-2504	4	0.37	0.5	26		23	22	22	21	19	17	14	11	7
ST-2506	6	0.55	0.75	38		36	35	33	32	30	26	22	18	12
ST-2508	8	0.75	1	51		47	46	44	43	39	35	30	24	18
ST-2512	12	1.1	1.5	77		72	71	69	68	63	57	49	41	31
ST-2516	16	1.5	2	102		98	96	94	92	86	77	68	57	46
ST-2524	24	2.2	3	151		142	139	136	132	122	111	97	80	62
• ST-2532	32	3	4	203		188	185	180	175	162	146	127	105	80
• ST-2540	40	3.7	5	253		232	227	222	216	202	182	159	131	102
• ST-2544	44	4	5.5	278		265	260	254	247	230	210	187	159	127

Dimensions and Weights				
Pump Type	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-2504	247	RP/NPT: 1 1/2"		98 2.4
ST-2506	296			98 2.9
ST-2508	345			98 3.3
ST-2512	445			98 4.1
ST-2516	542			98 5
ST-2524	815			98 7.6
• ST-2532	1028			98 9.7
• ST-2540	1220			98 11.4
• ST-2544	1359			98 12.2

The • means outer sleeve made by 2 pices

ST-35 | Performance Curves

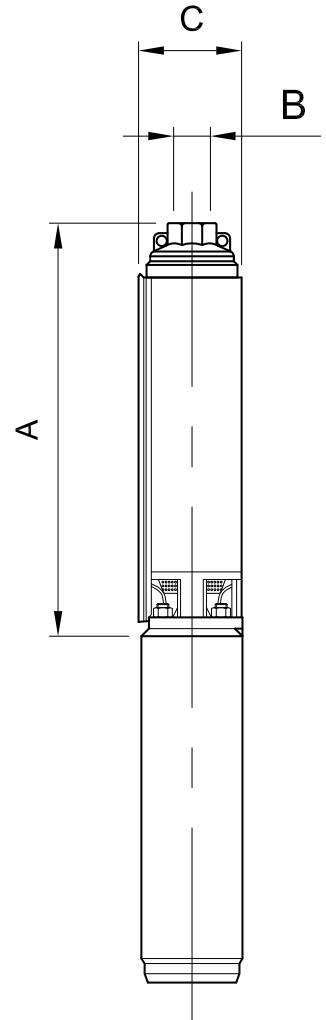
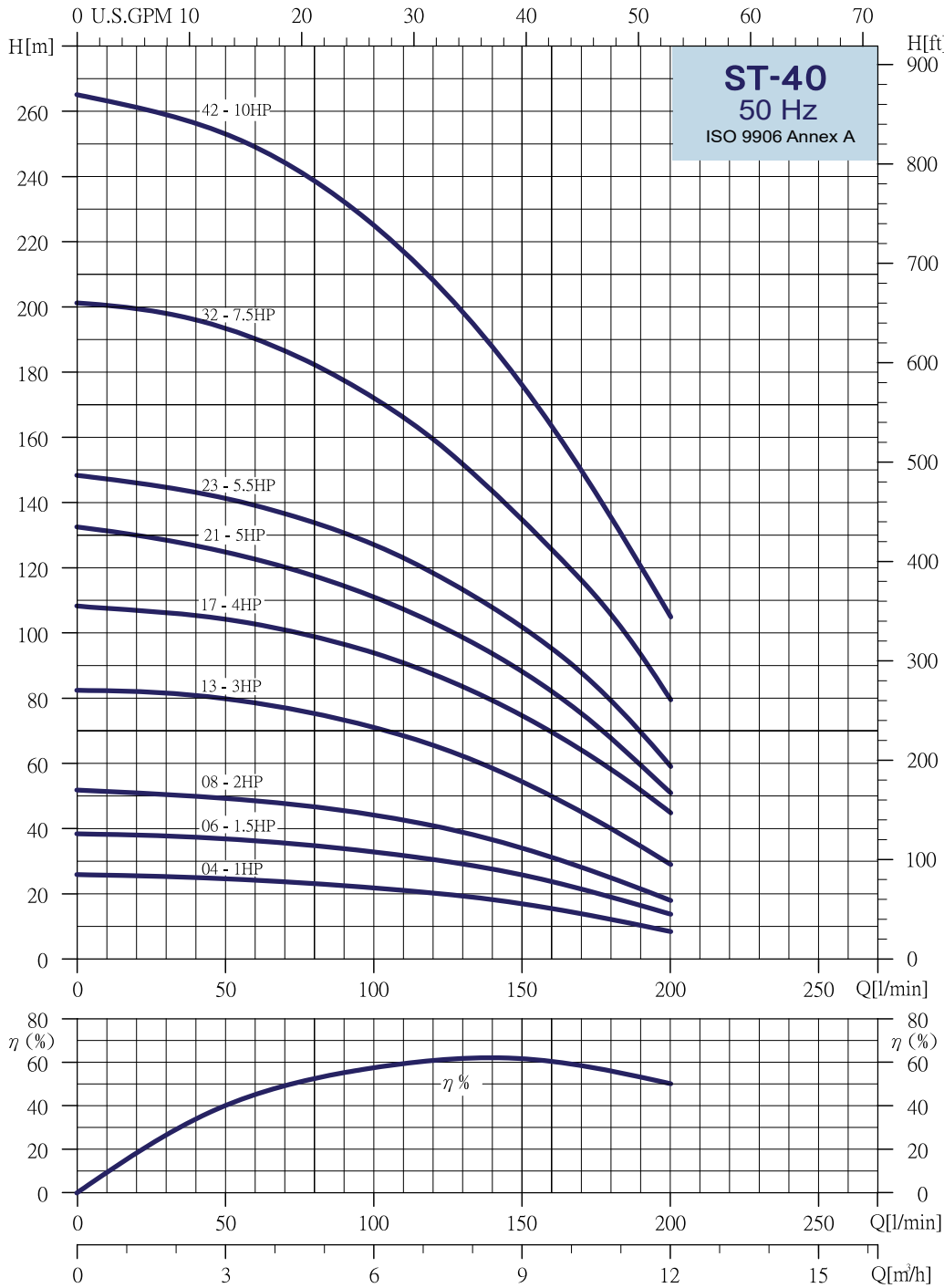


Selection Chart													
Pump Type	Stage	Motor		Q=Delivery									
				l/min	45	50	60	70	80	90	100	120	140
		kW	HP	m³/h	2.7	3	3.6	4.2	4.8	5.4	6	7.2	8.4
		H=Total Head in meters											
ST-3507	7	0.75	1	42		36	34	32	30	28	25	19	11
ST-3510	10	1.1	1.5	62		53	51	48	45	41	38	29	18
ST-3514	14	1.5	2	90		77	74	71	68	63	59	46	28
ST-3520	20	2.2	3	125		107	102	97	92	86	80	62	40
ST-3527	27	3	4	169		145	139	131	123	115	107	84	55
• ST-3534	34	3.7	5	208		178	170	162	153	143	132	103	66
• ST-3536	36	4	5.5	221		190	181	173	164	154	143	112	72
• ST-3549	49	5.5	7.5	302		257	246	234	222	209	193	151	96

Dimensions and Weights				
Pump Type	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-3507	390	RP/NPT: 2"	98	3.7
ST-3510	483		98	4.6
ST-3514	607		98	5.7
ST-3520	831		98	7.5
ST-3527	1086		98	10.6
• ST-3534	1325		98	12.6
• ST-3536	1384		98	13.2
• ST-3549	1863		98	16.9

The • means outer sleeve made by 2 pices

ST-40 | Performance Curves

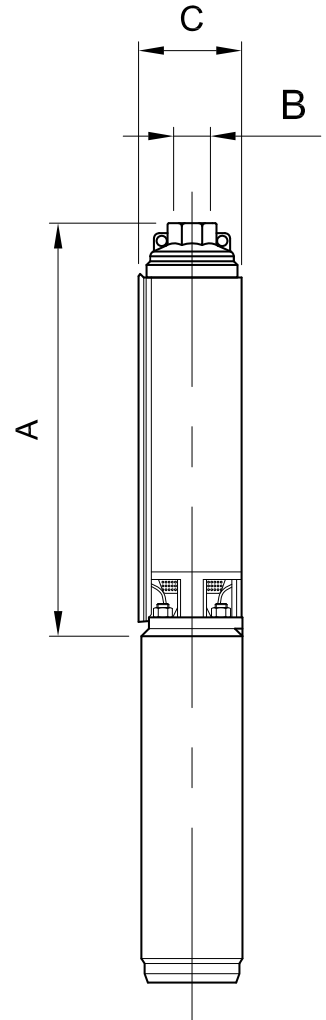
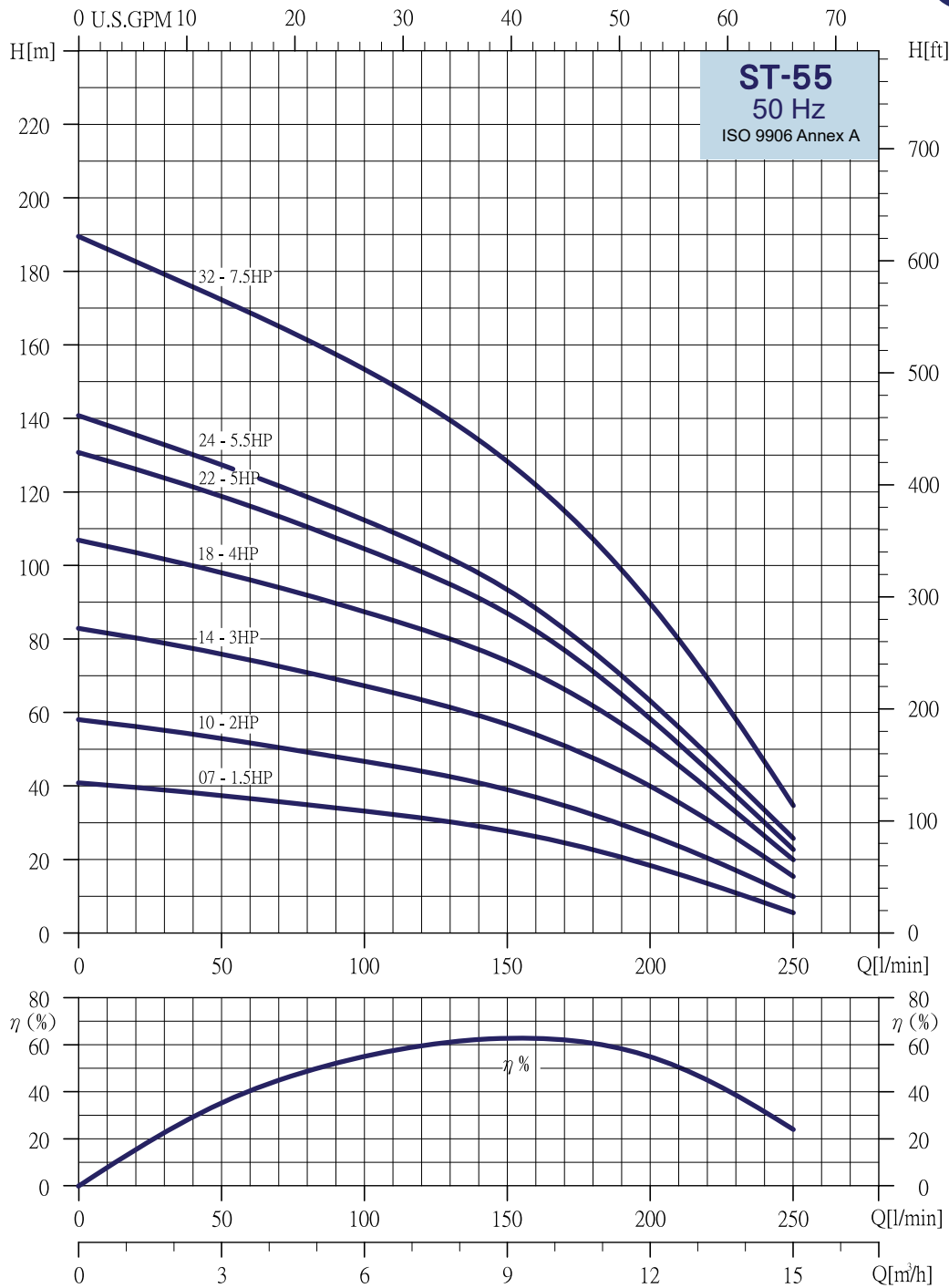


Selection Chart													
Pump Type	Stage	Motor		Q=Delivery									
				l/min	70	80	90	100	120	140	160	180	200
		kW	HP	m³/h	4.2	4.8	5.4	6	7.2	8.4	9.6	10.8	12
		H=Total Head in meters											
ST-4004	4	0.75	1	26		23	22	21	20	18	16	12	9
ST-4006	6	1.1	1.5	38.7		35	34	33	31	28	24	19	14
ST-4008	8	1.5	2	52		47	45	44	41	37	31	25	18
ST-4013	13	2.2	3	82		75	73	71	66	59	50	40	30
ST-4017	17	3	4	108		98	96	94	87	79	70	58	46
ST-4021	21	3.7	5	132		117	114	111	103	93	82	68	52
ST-4023	23	4	5.5	148		134	131	127	118	108	95	79	60
• ST-4032	32	5.5	7.5	202		182	178	172	160	143	125	105	80
• ST-4042	42	7.5	10	265		239	232	225	208	188	163	135	105

Dimensions and Weights				
Pump Type	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-4004	301	RP/NPT: 2"	98	2.8
ST-4006	356		98	3.4
ST-4008	418		98	4
ST-4013	573		98	5.5
ST-4017	697		98	6.6
ST-4021	859		98	7.8
ST-4023	959		98	9.4
• ST-4032	1260		98	12
• ST-4042	1650		98	15.5

The • means outer sleeve made by 2 pices

ST-55 | Performance Curves

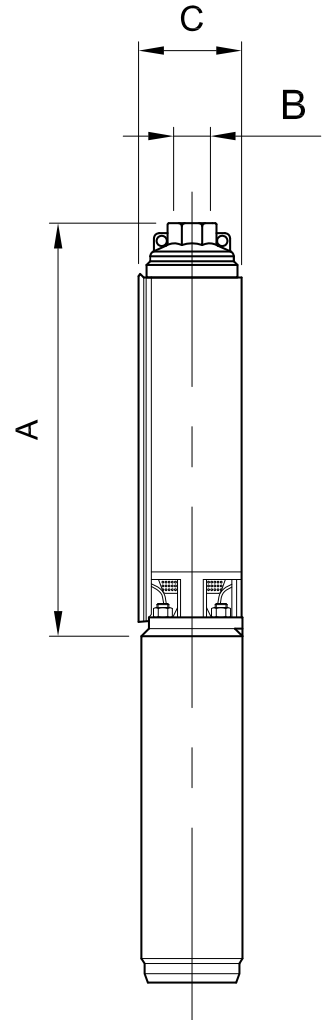
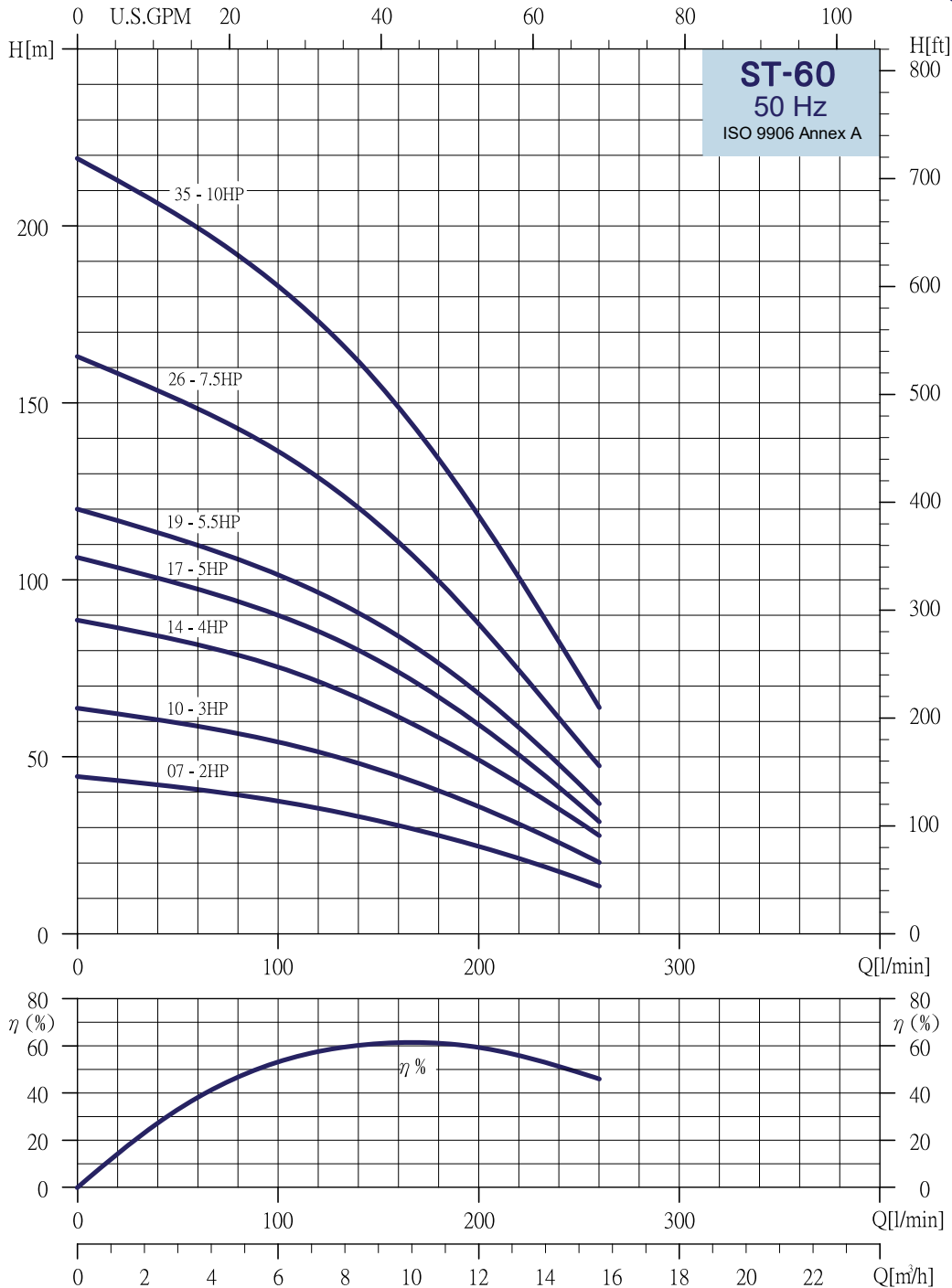


Selection Chart															
Pump Type	Stage	Motor		Q=Delivery											
				l/min	70	80	90	100	120	140	160	180	200	220	240
		kW	HP	m³/h	4.2	4.8	5.4	6	7.2	8.4	9.6	10.8	12	13.2	14.4
		H=Total Head in meters													
ST-5507	7	1.1	1.5	41		35	34	33	32	29	26	23	18	14	8
ST-5510	10	1.5	2	58		49	48	47	44	41	37	32	27	20	13
ST-5514	14	2.2	3	83		71	69	67	63	58	54	48	40	31	20
ST-5518	18	3	4	107		92	90	87	83	77	70	62	52	39	26
• ST-5522	22	3.7	5	131		110	107	104	98	91	82	71	58	45	30
• ST-5524	24	4	5.5	141		118	116	113	106	97	88	77	63	49	33
• ST-5532	32	5.5	7.5	189		162	157	153	144	134	122	107	90	70	47

Dimensions and Weights				
Pump Type	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-5507	537	RP/NPT: 2"	98	5.3
ST-5510	693		98	6.7
ST-5514	901		98	8.5
ST-5518	1185		98	11.4
• ST-5522	1410		98	13.3
• ST-5524	1515		98	14.2
• ST-5532	1932		98	18

The • means outer sleeve made by 2 pices

ST-60 | Performance Curves

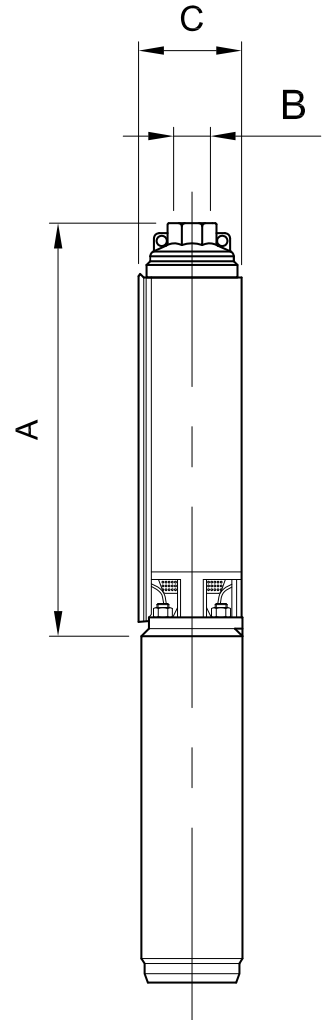
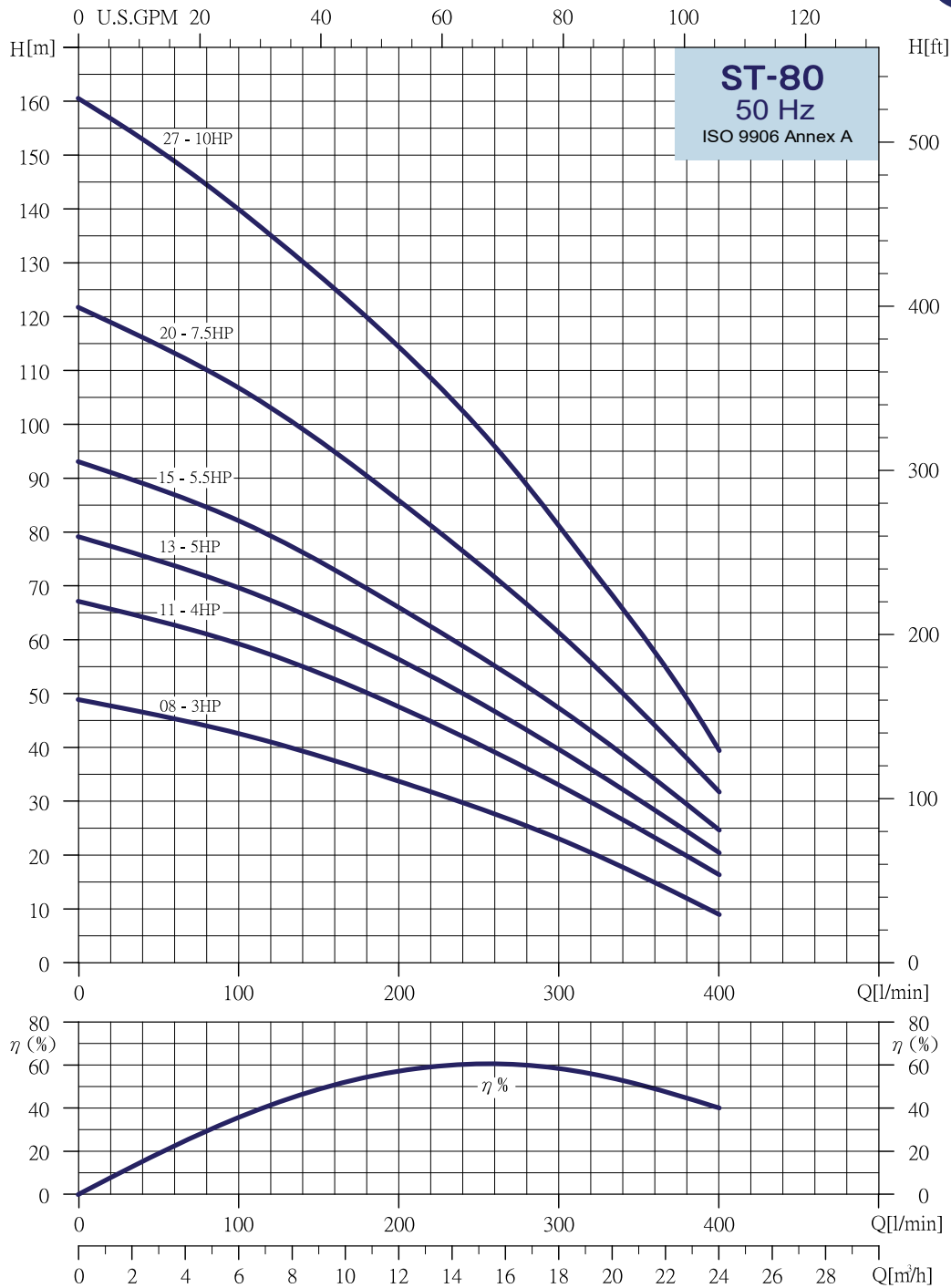


Selection Chart														
Pump Type	Stage	Motor		Q=Delivery										
				l/min	90	100	120	140	160	180	200	220	240	260
		kW	HP	m³/h	5.4	6	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6
		H=Total Head in meters												
ST-6007	7	1.5	2	45		37	36	33	31	28	25	22	18	14
ST-6010	10	2.2	3	64		54	52	48	44	41	36	32	26	20
ST-6014	14	3	4	89		76	72	67	62	56	49	43	35	28
ST-6017	17	3.7	5	107		90	86	80	74	67	59	51	42	37
ST-6019	19	4	5.5	120		102	97	91	89	76	68	58	48	37
• ST-6026	26	5.5	7.5	163		136	129	120	111	100	87	75	61	48
• ST-6035	35	7.5	10	219		183	173	162	149	1634	118	111	82	64

The • means outer sleeve made by 2 pices

Dimensions and Weights				
Pump Type	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-6007	534	RP/NPT: 2"	98	5.3
ST-6010	690		98	6.7
ST-6014	989		98	8.6
ST-6017	1092		98	10.1
ST-6019	1233		98	12
• ST-6026	1620		98	15.3
• ST-6035	2165		98	19.6

ST-80 | Performance Curves



Selection Chart																			
Pump Type	Stage	Motor		Q=Delivery															
				l/min	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400
		kW	HP	m³/h	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18	19.2	20.4	21.6	22.8	24
		H=Total Head in meters																	
ST-8008	8	2.2	3	49		39	38	36	34	32	30	28	25	23	20	18	15	12	9
ST-8011	11	3	4	67		55	53	50	48	45	42	39	36	33	30	27	23	20	16
ST-8013	13	3.7	5	79		65	62	59	56	53	50	47	43	40	36	32	28	24	20
ST-8015	15	4	5.5	93		76	73	70	66	62	59	55	51	47	43	39	34	29	25
• ST-8020	20	5.5	7.5	122		99	95	90	86	81	76	72	67	61	56	50	44	38	32
• ST-8027	27	7.5	10	161		130	125	120	114	109	102	96	89	81	73	65	57	49	39

Dimensions and Weights				
Pump Type	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-8008	676	RP/NPT: 2"	98	6.3
ST-8011	880		98	8.1
ST-8013	1013		98	9.3
ST-8015	1149		98	10.5
• ST-8020	1543		98	13.5
• ST-8027	2020		98	18.5

The • means outer sleeve made by 2 pices



Lined area for notes, consisting of multiple horizontal lines.



Lined area for notes, consisting of multiple horizontal blue lines.



Lined area for notes, consisting of multiple horizontal lines.

ABC PUMPS BRANCHES:

EASTERN CAPE, PORT ELIZABETH (HEAD OFFICE)

134 Montmedy rd, Theescombe,
Tel: 041 379 2912, Fax: 041 379 2432
admin@abcpumps.co.za

FREESTATE ,BLOEMFONTEIN

Unit 2, DIY Square, 2-5 Hornby St. Oranjesig
Tel: 051 430 0771, Fax: 051 430 0773
adminbfm@abcpumps.co.za

NORTHAN CAPE, KIMBERLEY

9 Carlstein rd, Kimdustria
Tel: 053 841 0172
ft@abcpumps.co.za

WESTERN CAPE, CAPE TOWN

12 Traka Street, Stikland Industrial
Tel: 021 945 1530, Fax: 021 945 1523
adminwc@abcpumps.co.za

WESTERN CAPE, GEORGE

24B Wellington Street
Tel: 082 451 4745, Fax: 041 379 2432
polla@extremesales.co.za

GAUTENG, JOHANNESBURG

A6, Ficestar Junction cnr of Beyers Naude & Juice Street Honeydew
Tel: 011 794 2846, Fax: 011 794 2495
adminjhb@abcpumps.co.za

