



ST-P series Submersible Pumps

50/60 Hz

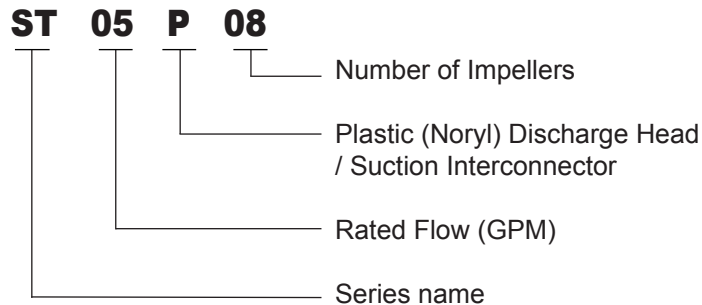


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Model code



General Data

Discharge Head and Motor Adaptor

are made from Noryl for superior strength and durability. The motor interconnector is NEMA standard.

Impellers are floating type made of 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.

Strainer

is made from Polypropylene for rigidity.

Non-Return valve

made from POM, fitted in the discharge to prevent any back flow of water and alleviate any water hammer to the pumps.

Shaft Coupling

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

Pump Shaft

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

Bearing

is made with Polyurethane for strong wear and abrasive resistance.

Pump body

is covered by a 304 polished stainless steel casing, ensures optimum resistance to abrasion.

Applications

- Water Supply
- Agricultural Irrigation
- Pressure Boosting

Operating Conditions

	50Hz	60Hz
Rated speed	2850 rpm	3450 rpm
Delivery	6.6 m³/h	7.8 m³/h
Head	139 m	168 m
Sand content	150 g/m³	
Motor Power	from 0.37 to 1.5 kW	

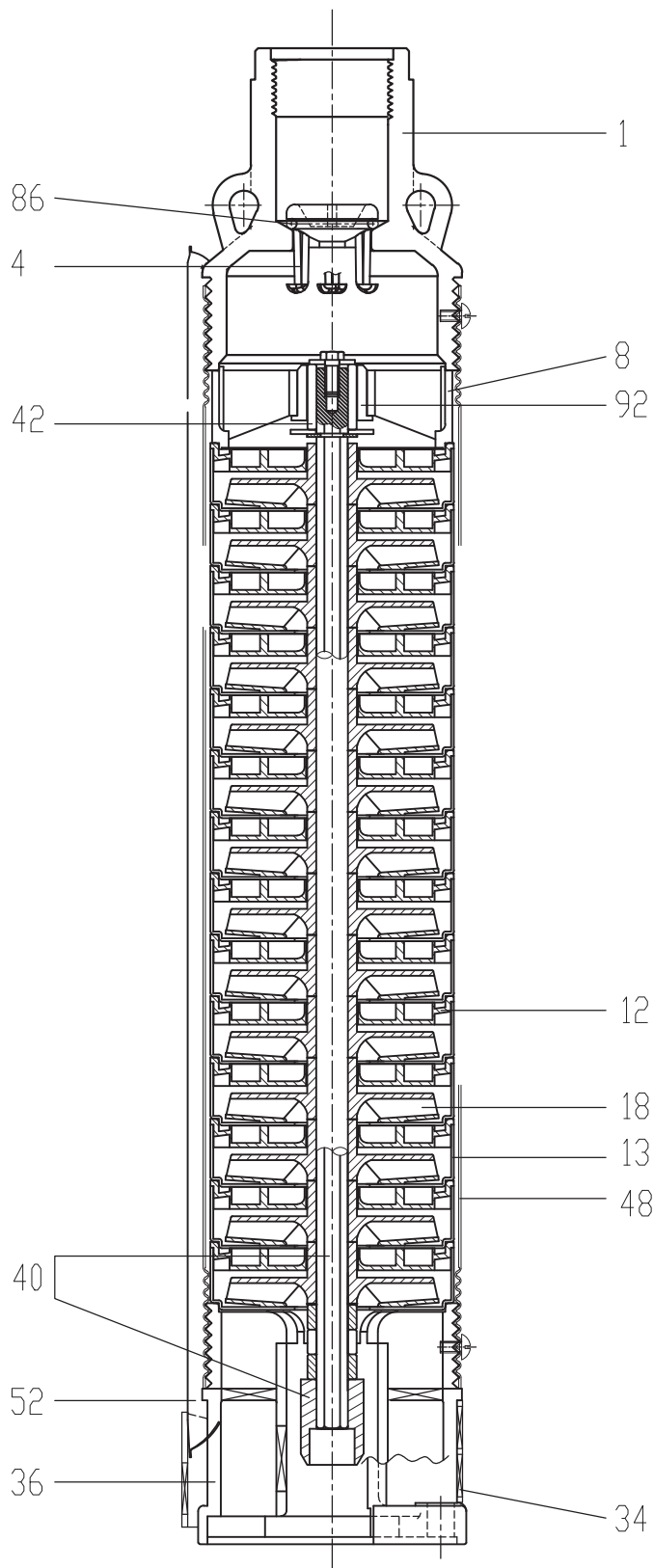
Discharge Port

ST-05P ST-07P ST-10P ST-13P ST-18P ST-25P

1 1/4 "

Sectional drawing

ST-05P , 07P , 10P , 13P , 18P , 25P

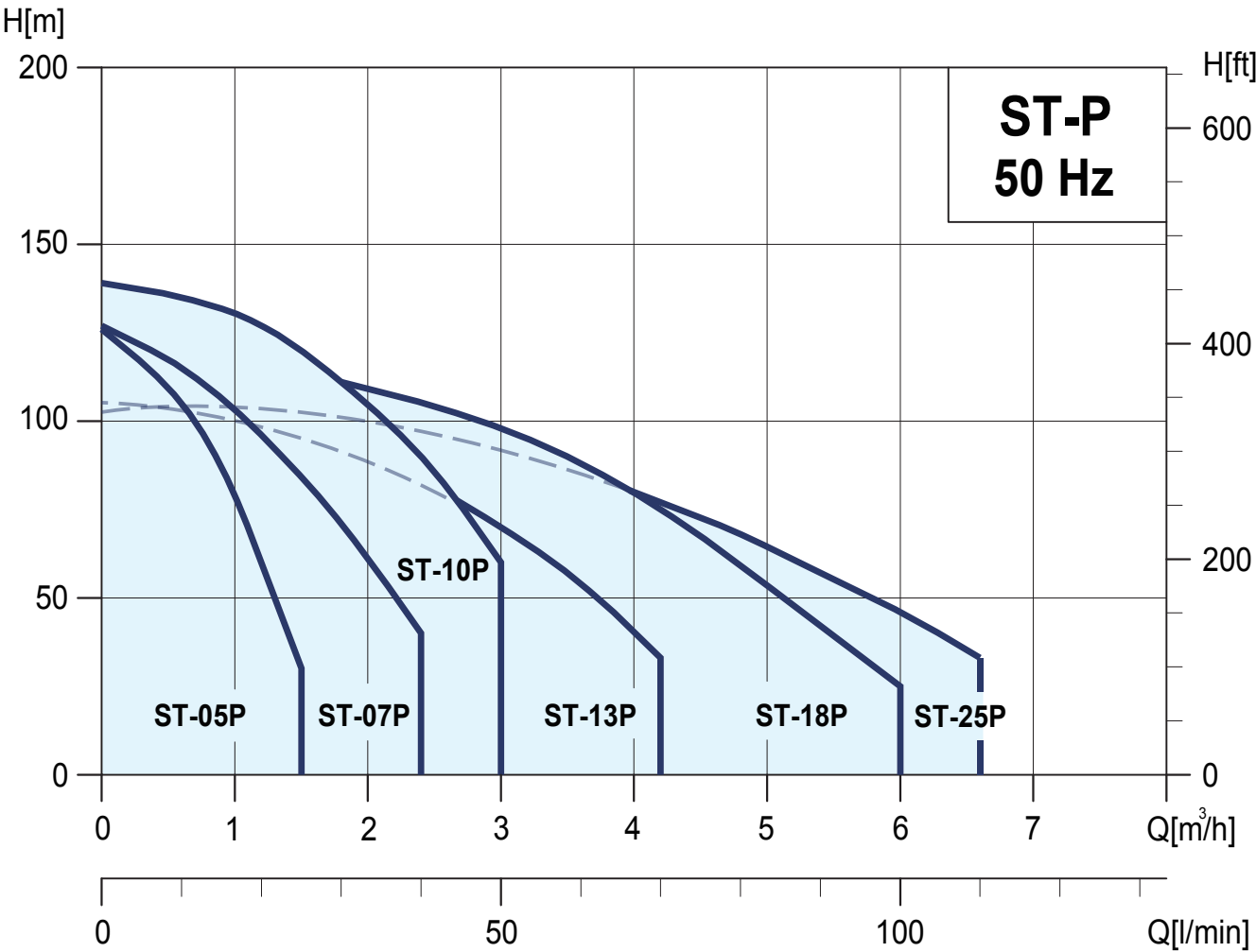


Material Specification

Pos.	Part Name	Material
01	Discharge Head	Noryl
04	Check Valve	POM
08	Bearing Spider	Glass Filled Polycarbonate
12	Diffuser	Glass Filled Polycarbonate
13	Bowl	AISI 304 SS
18	Impeller	Noryl
34	Strainer	Polypropylene (PP)
36	Suction Interconnector	Noryl
40	Pump shaft / Coupling	AISI 304 SS
42	Shaft Sleeve	AISI 304 SS
48	Pump Casing	AISI 304 SS
52	Cable Guard	AISI 304 SS
86	O-Ring	NBR
92	Bearing	Poly Urethane (PU)

Performance range

50Hz

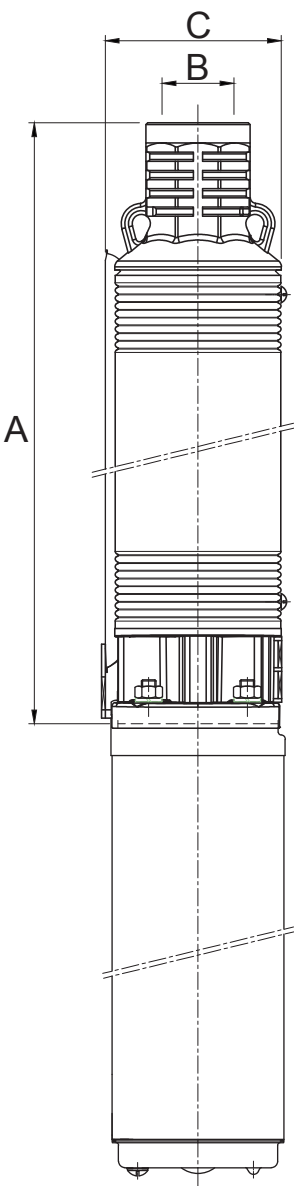
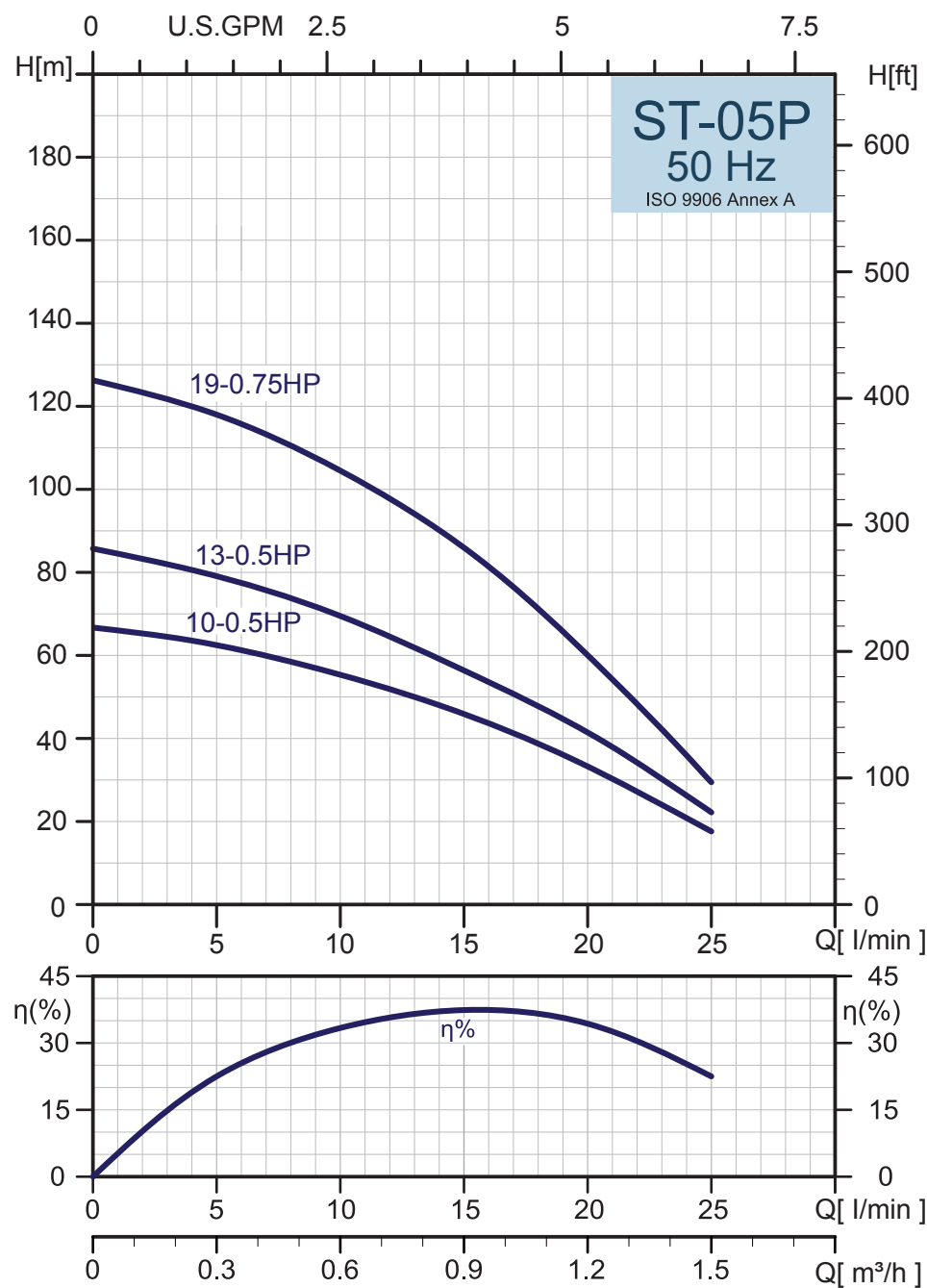


Performance Curves

ST-P 4"

ST-05P

50Hz



Selection Chart									
PUMP TYPE	STAGES	MOTOR		Q = DELIVERY					
				l/min 0	5	10	15	20	25
		kW	HP	m³/h 0	0.3	0.6	0.9	1.2	1.5
				H = TOTAL HEAD IN METERS					
ST-05P10	10	0.37	0.5	67	63	65	46	33	18
ST-05P13	13	0.37	0.5	86	78	70	56	42	23
ST-05P19	19	0.55	0.75	126	118	105	86	60	30

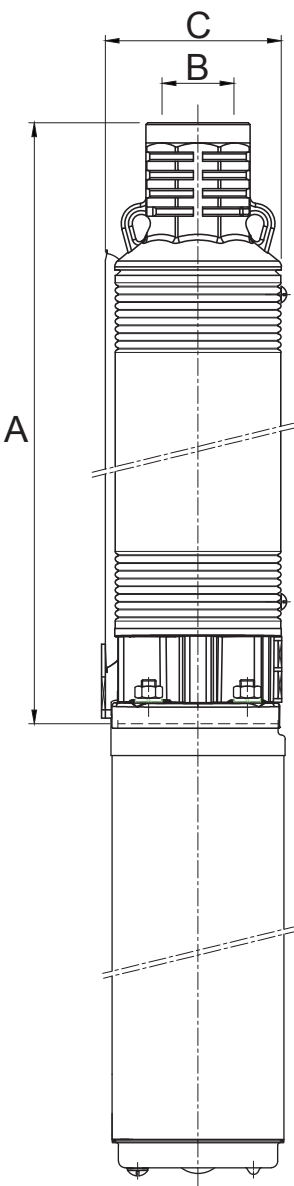
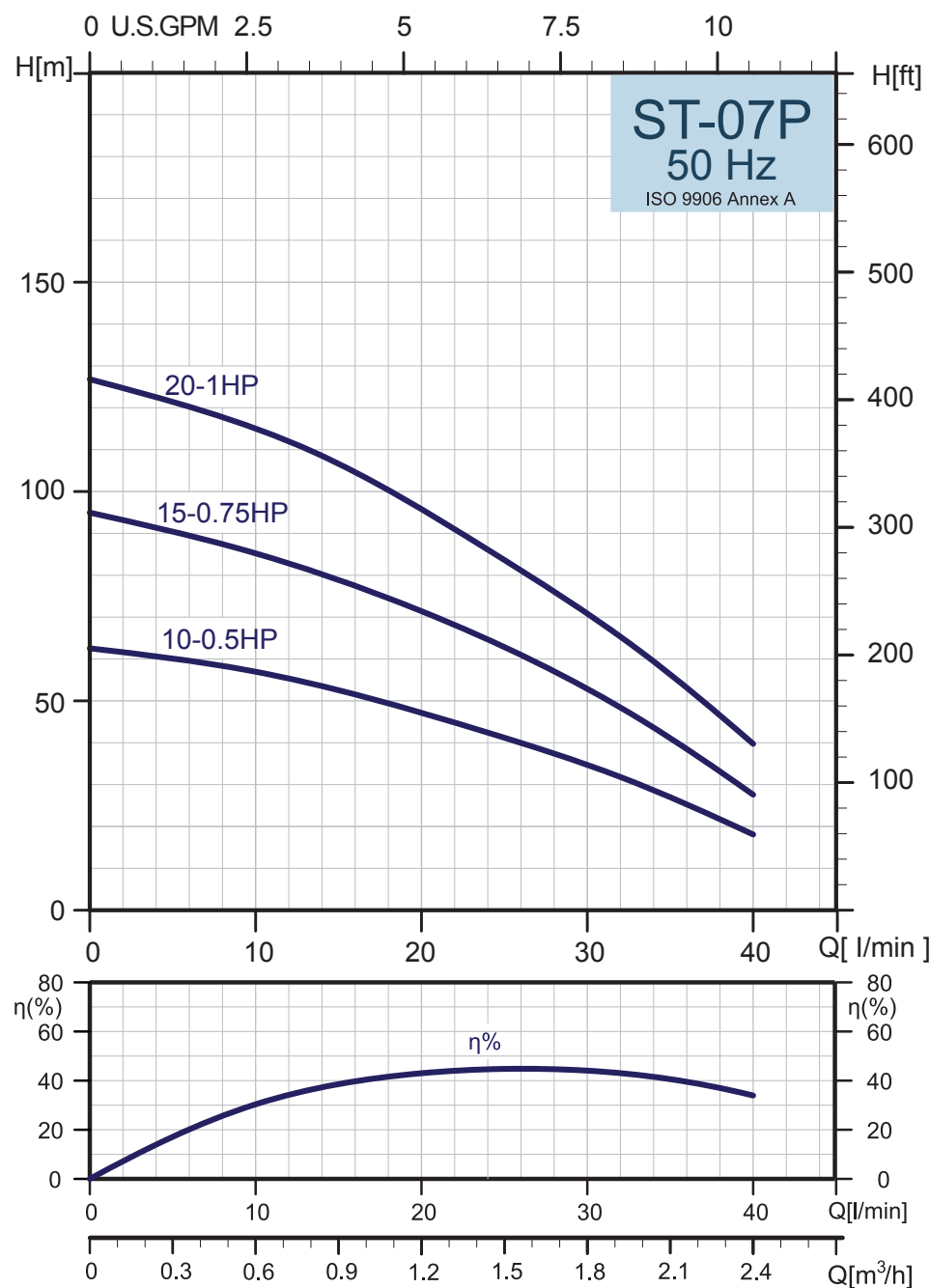
Dimensions and Weights				
PUMP TYPE	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-05P10	396	RP or NPT 1 1/4"	98	2.4
ST-05P13	449		98	2.9
ST-05P19	555		98	3.9

Performance Curves

ST-P 4"

ST-07P

50Hz



Selection Chart

PUMP TYPE	STAGES	MOTOR		Q = DELIVERY							
				l/min 0	10	15	20	25	30	35	40
				m³/h 0	0.6	0.9	1.2	1.5	1.8	2.1	2.4
		H = TOTAL HEAD IN METERS									
ST-07P10	10	0.37	0.5	63	57	53	47	42	35	27	18
ST-07P15	15	0.55	0.75	95	86	78	72	63	53	41	28
ST-07P20	20	0.75	1.0	127	115	107	96	84	71	56	40

Dimensions and Weights

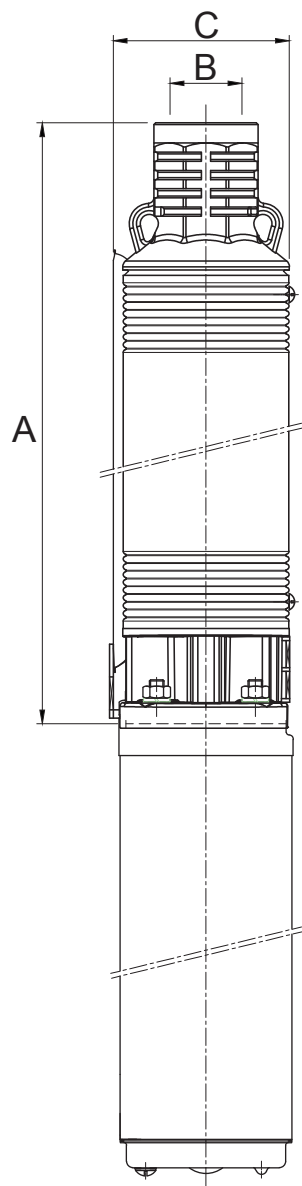
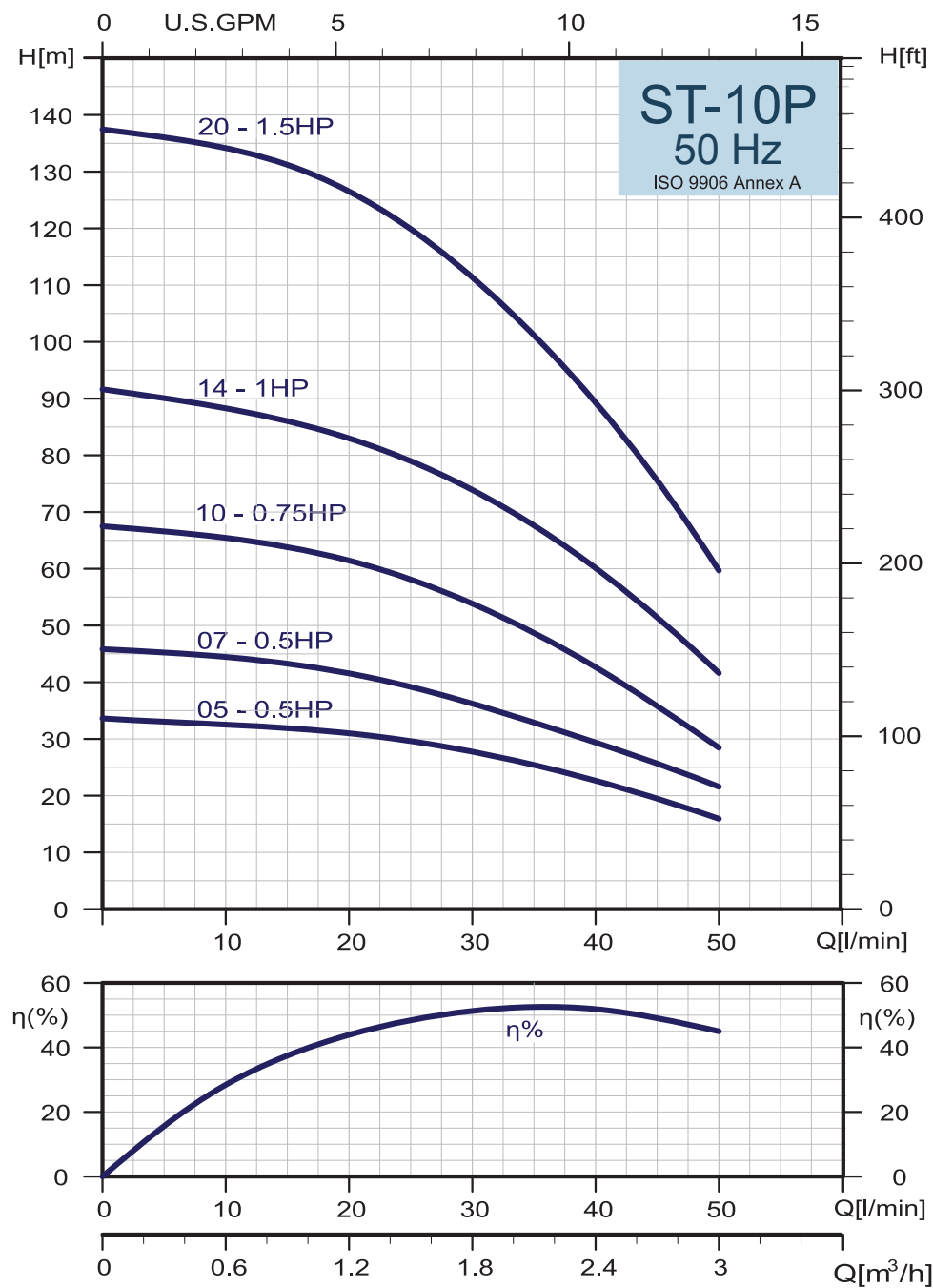
PUMP TYPE	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-07P10	402	RP or NPT 1 1/4"	98	2.4
ST-07P15	493		98	3.2
ST-07P20	583		98	4.0

Performance Curves

ST-P 4"

ST-10P

50Hz



Selection Chart

PUMP TYPE	STAGES	MOTOR		Q = DELIVERY									
				l/min 0	15	20	25	30	35	40	45	50	
		kW	HP	m³/h 0	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	
		H = TOTAL HEAD IN METERS											
ST-10P05	5	0.37	0.5	34	32	31	29	27	25	23	19	16	
ST-10P07	7	0.37	0.5	46	43	42	39	36	33	29	26	22	
ST-10P10	10	0.55	0.75	67	64	61	58	54	49	43	36	28	
ST-10P14	14	0.75	1.0	92	86	83	79	74	67	60	52	42	
ST-10P20	20	1.1	1.5	139	131	127	120	111	101	90	75	60	

Dimensions and Weights

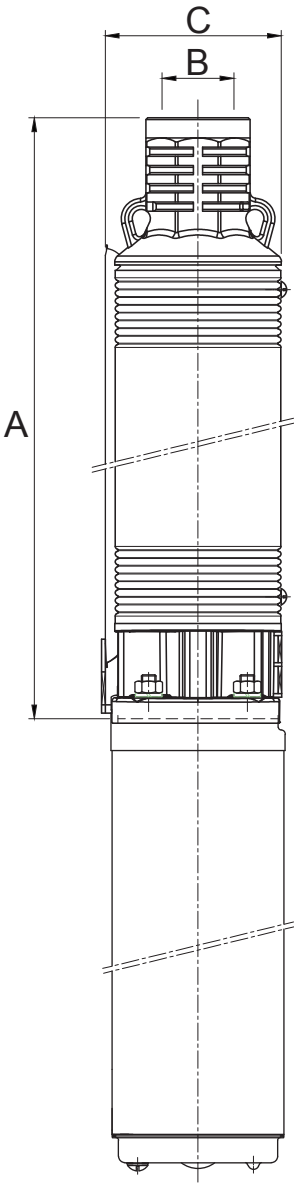
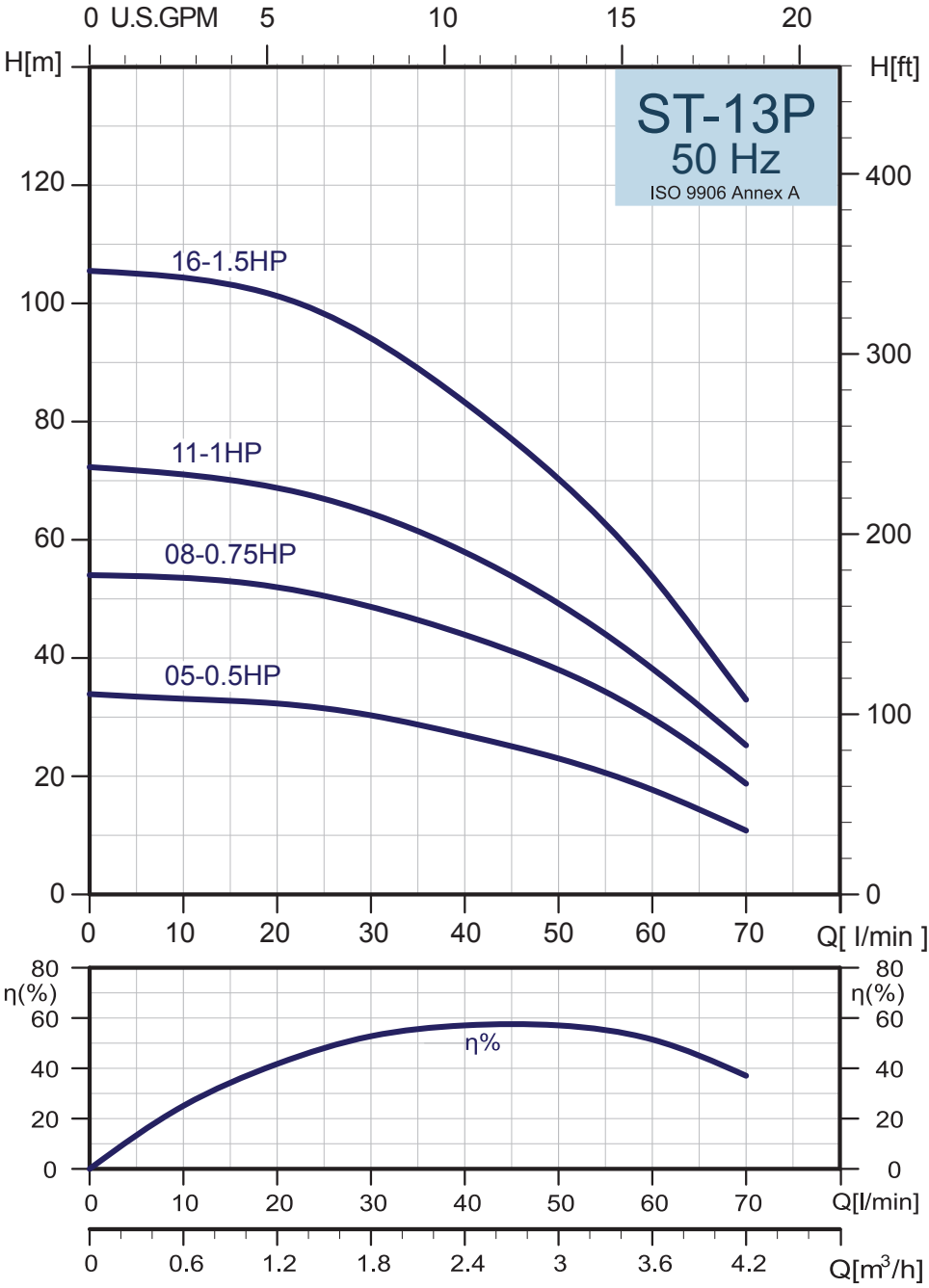
PUMP TYPE	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-10P05	309	RP or NPT 1 1/4"	98	1.6
ST-10P07	344		98	1.9
ST-10P10	397		98	2.4
ST-10P14	467		98	3.0
ST-10P20	573		98	4.0

Performance Curves

ST-P 4"

ST-13P

50Hz



Selection Chart

PUMP TYPE	STAGES	MOTOR		Q = DELIVERY									
				l/min	20	25	30	35	40	45	50	60	70
		kW	HP	m³/h	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2
		H = TOTAL HEAD IN METERS											
ST-13P05	5	0.37	0.5	34	32	31	30	29	27	25	23	18	11
ST-13P08	8	0.55	0.75	54	51	50	49	46	43	41	38	30	19
ST-13P11	11	0.75	1.0	72	68	66	64	61	58	54	49	38	26
ST-13P16	16	1.1	1.5	106	101	98	95	89	83	77	70	54	33

Dimensions and Weights

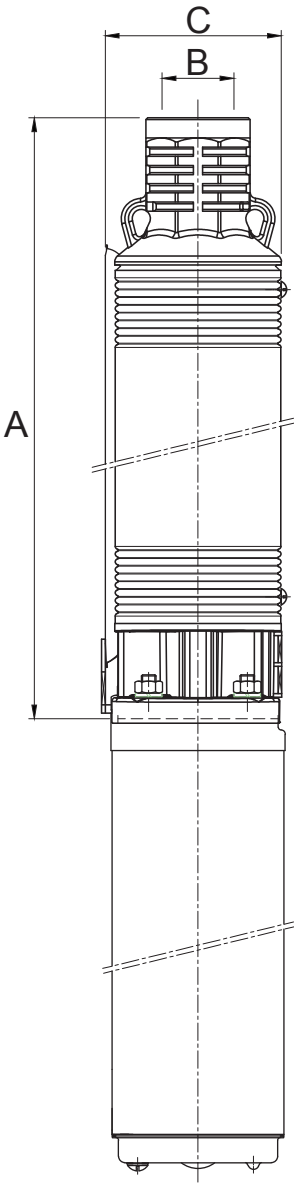
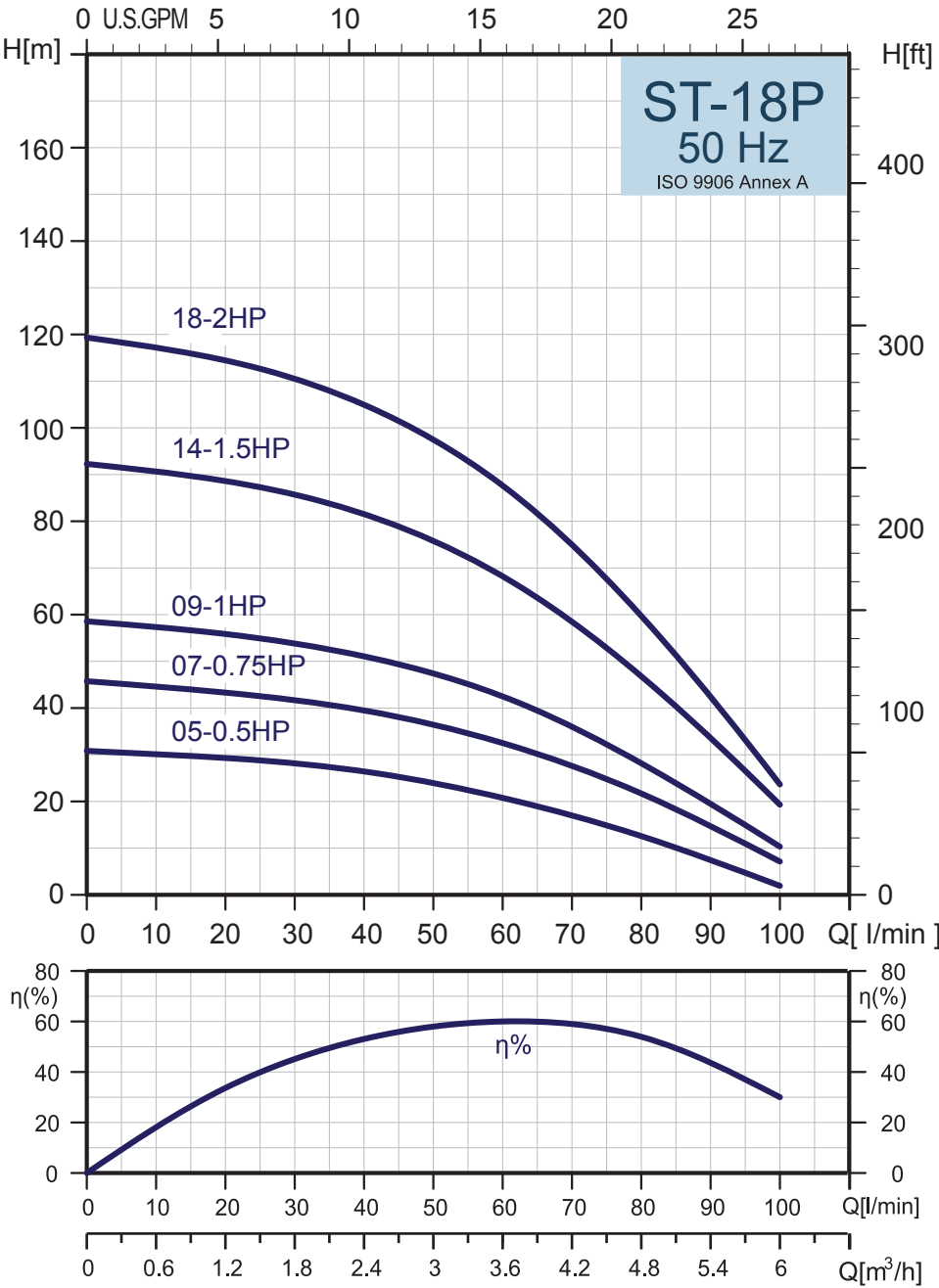
PUMP TYPE	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-13P05	309	RP or NPT 1 1/4"	98	1.6
ST-13P08	362		98	2.1
ST-13P11	414		98	2.5
ST-13P16	503		98	3.3

Performance Curves

ST-P 4"

ST-18P

50Hz



Selection Chart																
PUMP TYPE	STAGES	MOTOR		Q = DELIVERY												
				l/min	0	25	30	35	40	45	50	60	70	80	90	100
		kW	HP	m³/h	0	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0
				H = TOTAL HEAD IN METERS												
ST-18P05	5	0.37	0.5	33	29	28	27	26	25	24	21	18	13	8	3	
ST-18P07	7	0.55	0.75	46	43	42	41	39	38	36	33	28	22	15	7	
ST-18P09	09	0.75	1.0	59	55	54	52	51	49	47	43	37	28	20	10	
ST-18P14	14	1.1	1.5	93	87	88	83	81	79	76	68	58	47	33	20	
ST-18P18	18	1.5	2.0	120	113	111	108	105	102	98	88	75	60	42	25	

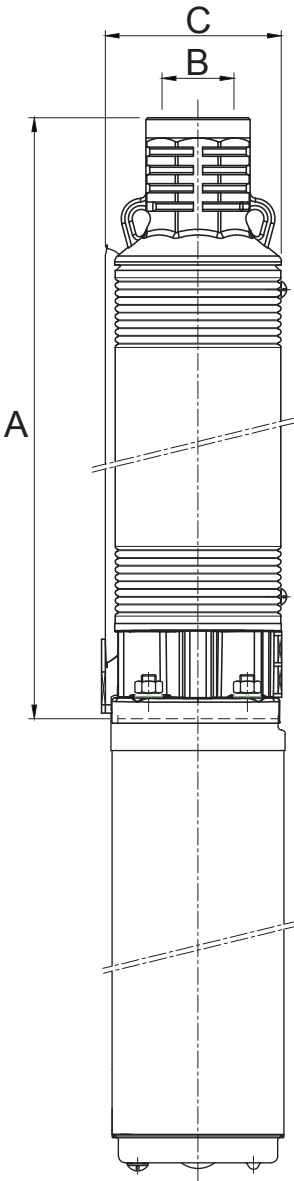
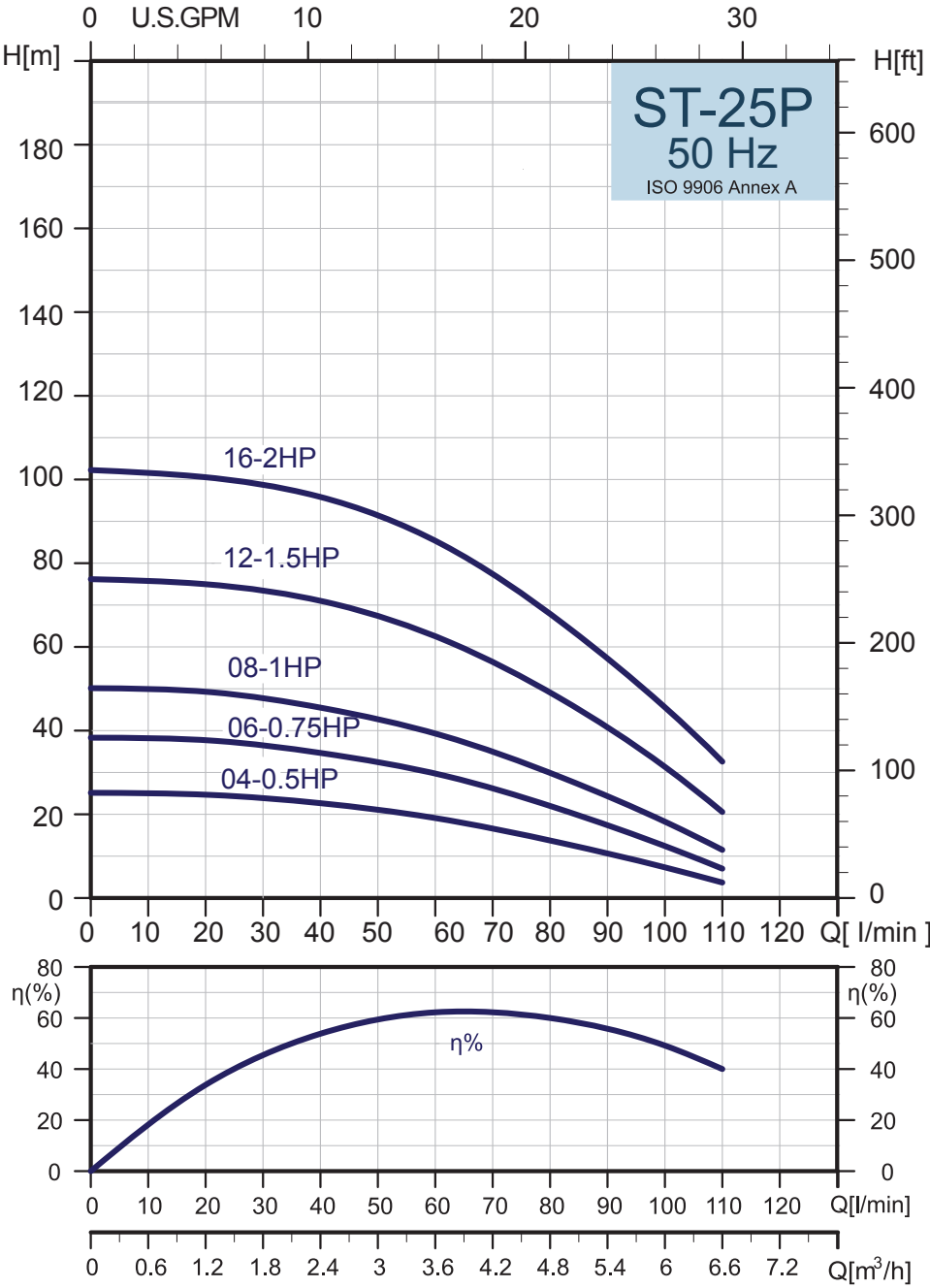
Dimensions and Weights				
PUMP TYPE	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-18P05	328	RP or NPT 1 1/4"	98	1.7
ST-18P07	371		98	2.1
ST-18P09	414		98	2.5
ST-18P14	522		98	3.3
ST-18P18	608		98	4.0

Performance Curves

ST-P 4"

ST-25P

50Hz



Selection Chart

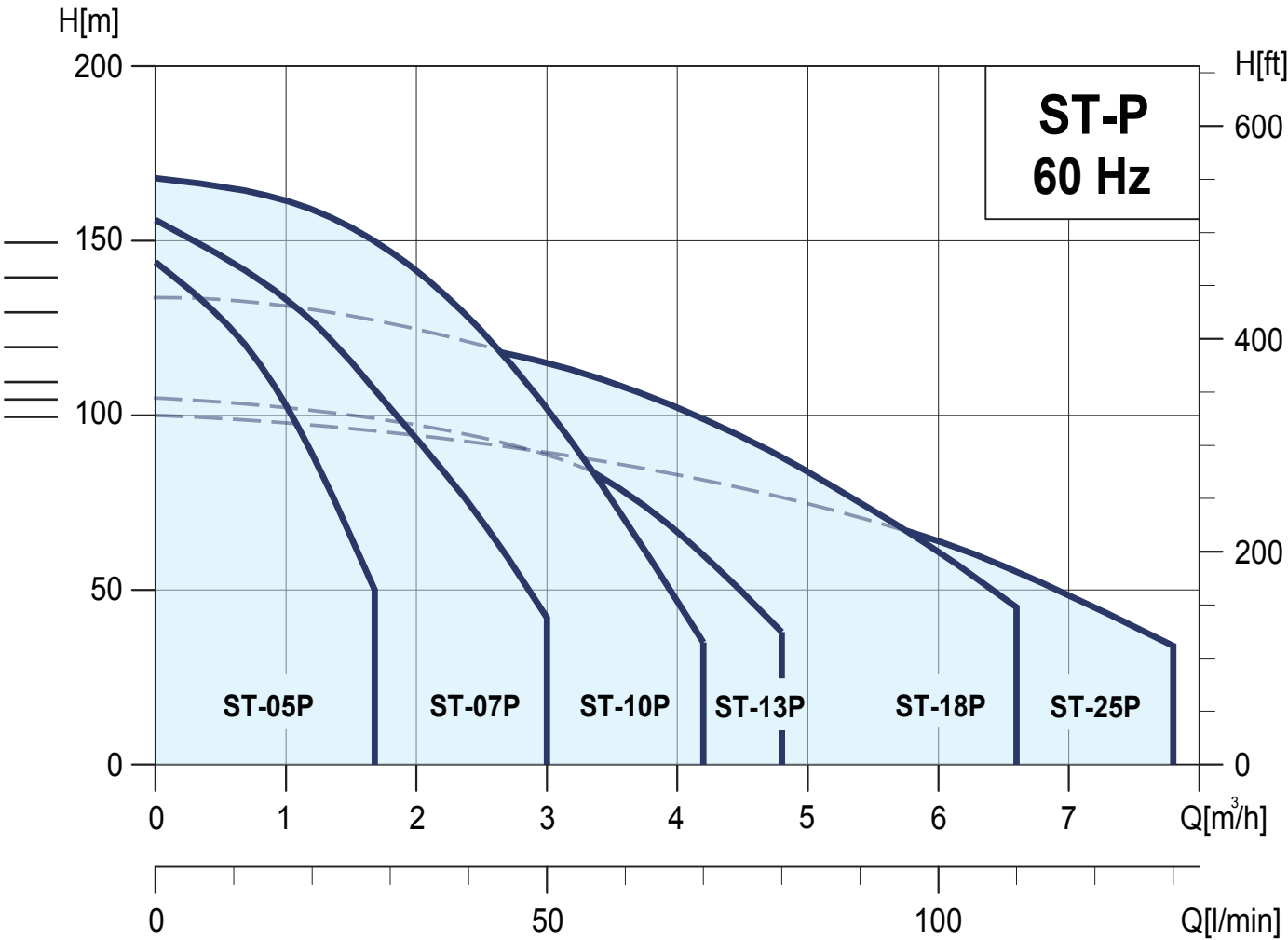
PUMP TYPE	STAGES	MOTOR		Q = DELIVERY									
				l/min 0	35	40	45	50	60	70	80	90	100
				m³/h 0	2.1	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0
		kW	HP	H = TOTAL HEAD IN METERS									
ST-25P04	4	0.37	0.5	26	23	22	22	21	19	17	14	11	7
ST-25P06	6	0.55	0.75	38	36	35	33	32	30	26	22	18	12
ST-25P08	8	0.75	1.0	51	47	46	44	43	39	35	30	24	18
ST-25P12	12	1.1	1.5	77	72	71	69	68	63	57	49	41	31
ST-25P16	16	1.5	2.0	102	98	96	94	92	86	77	68	57	46

Dimensions and Weights

PUMP TYPE	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-25P04	319	RP or NPT 1 1/4"	98	1.7
ST-25P06	368		98	2.0
ST-25P08	417		98	2.4
ST-25P12	515		98	3.1
ST-25P16	613		98	3.9

Performance range

60Hz

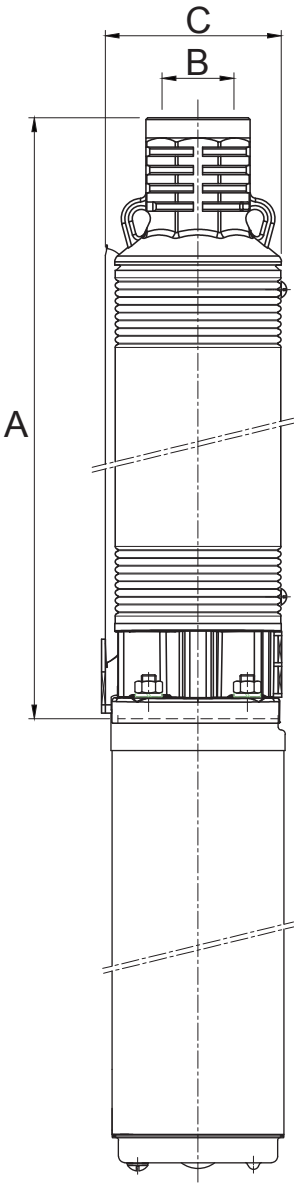
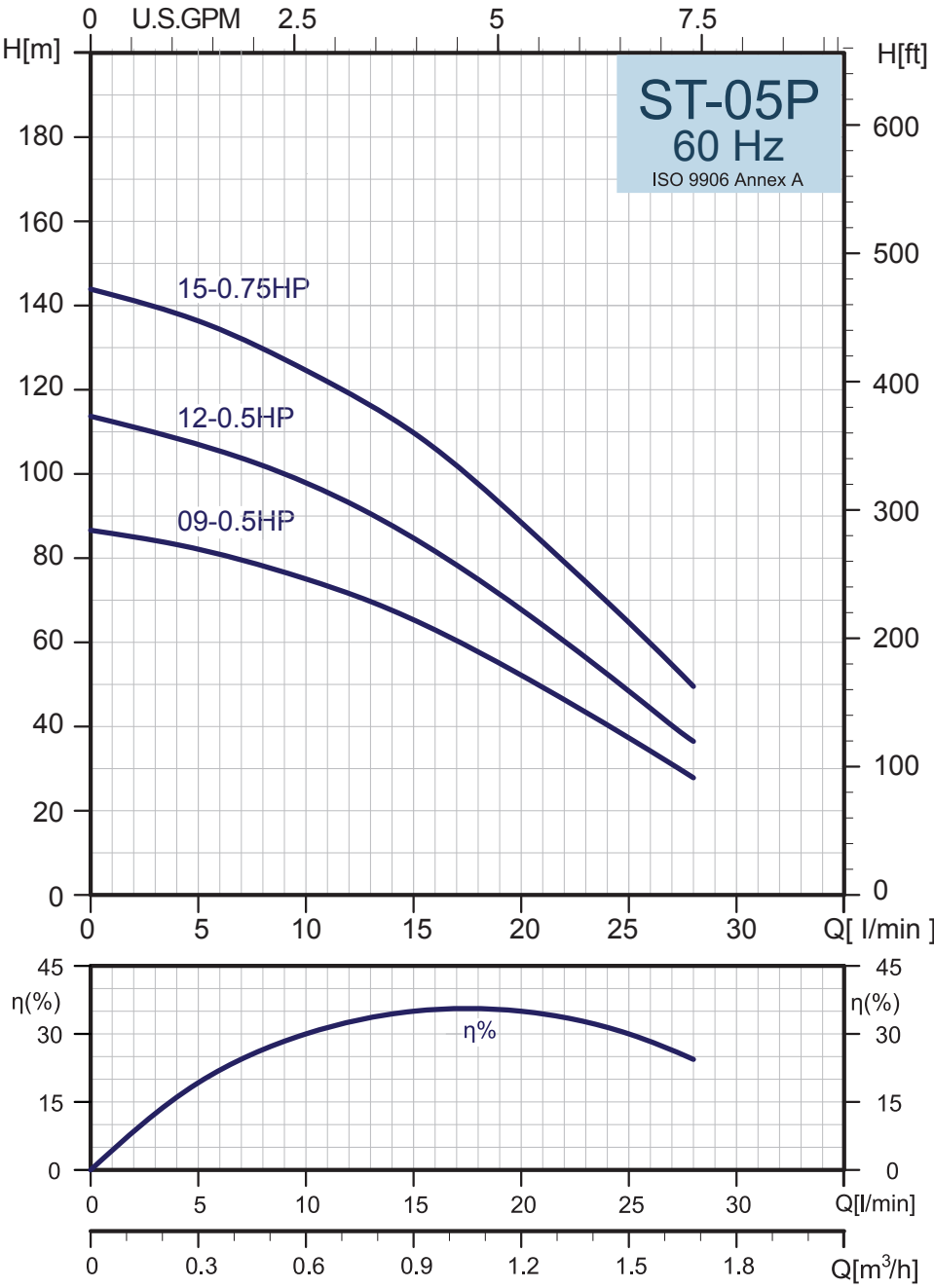


Performance Curves

ST-P 4"

ST-05P

60Hz



Selection Chart

PUMP TYPE	STAGES	MOTOR		Q = DELIVERY					
				l/min 0	10	15	20	25	30
		kW	HP	m³/h 0	0.6	0.9	1.2	1.5	1.8
				H = TOTAL HEAD IN METERS					
ST-05P09	09	0.37	0.5	87	75	65	52	38	21
ST-05P12	12	0.37	0.5	114	98	85	68	49	28
ST-05P15	15	0.55	0.75	144	124	110	89	65	39

Dimensions and Weights

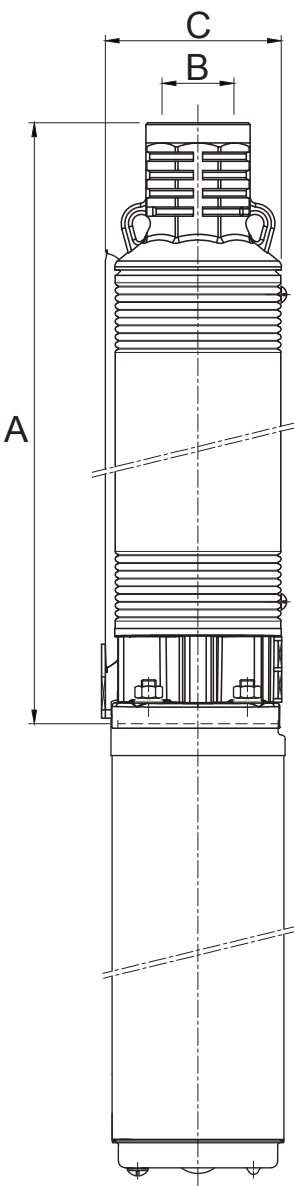
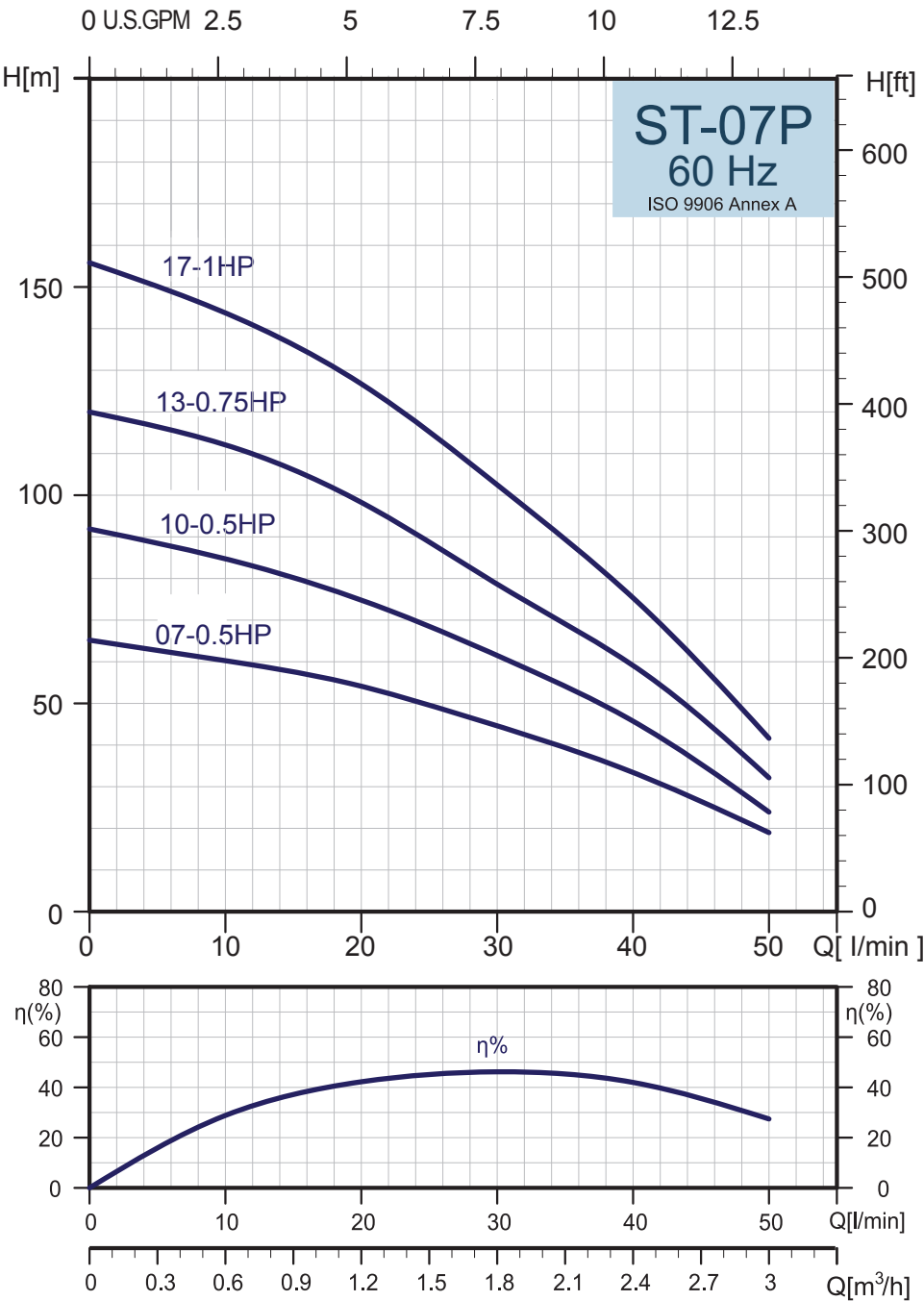
PUMP TYPE	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-05P09	379	RP or NPT 1 1/4"	98	2.2
ST-05P12	432		98	2.7
ST-05P15	484		98	3.3

Performance Curves

ST-07P

ST-P 4"

60Hz



Selection Chart

PUMP TYPE	STAGES	MOTOR		Q = DELIVERY							
				l/min 0	15	20	25	30	35	40	50
		kW	HP	m³/h 0	0.9	1.2	1.5	1.8	2.1	2.4	3.0
				H = TOTAL HEAD IN METERS							
ST-07P07	7	0.37	0.5	66	57	54	49	44	39	33	19
ST-07P10	10	0.37	0.5	92	80	75	68	62	54	47	24
ST-07P13	13	0.55	0.75	120	106	98	89	79	69	59	32
ST-07P17	17	0.75	1.0	156	136	127	115	102	89	75	42

Dimensions and Weights

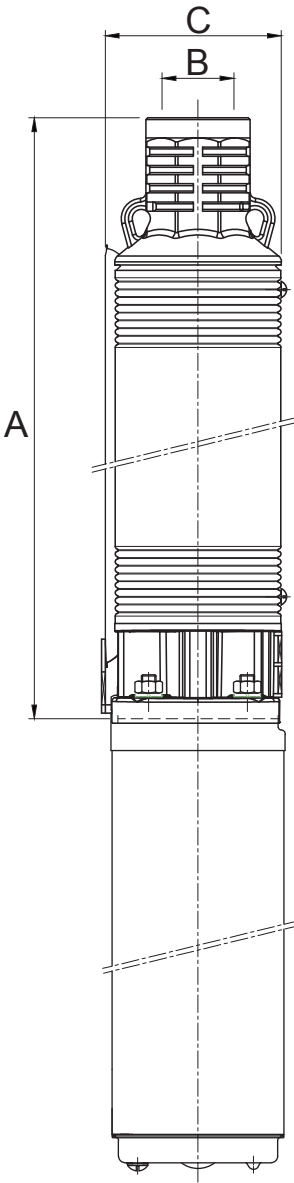
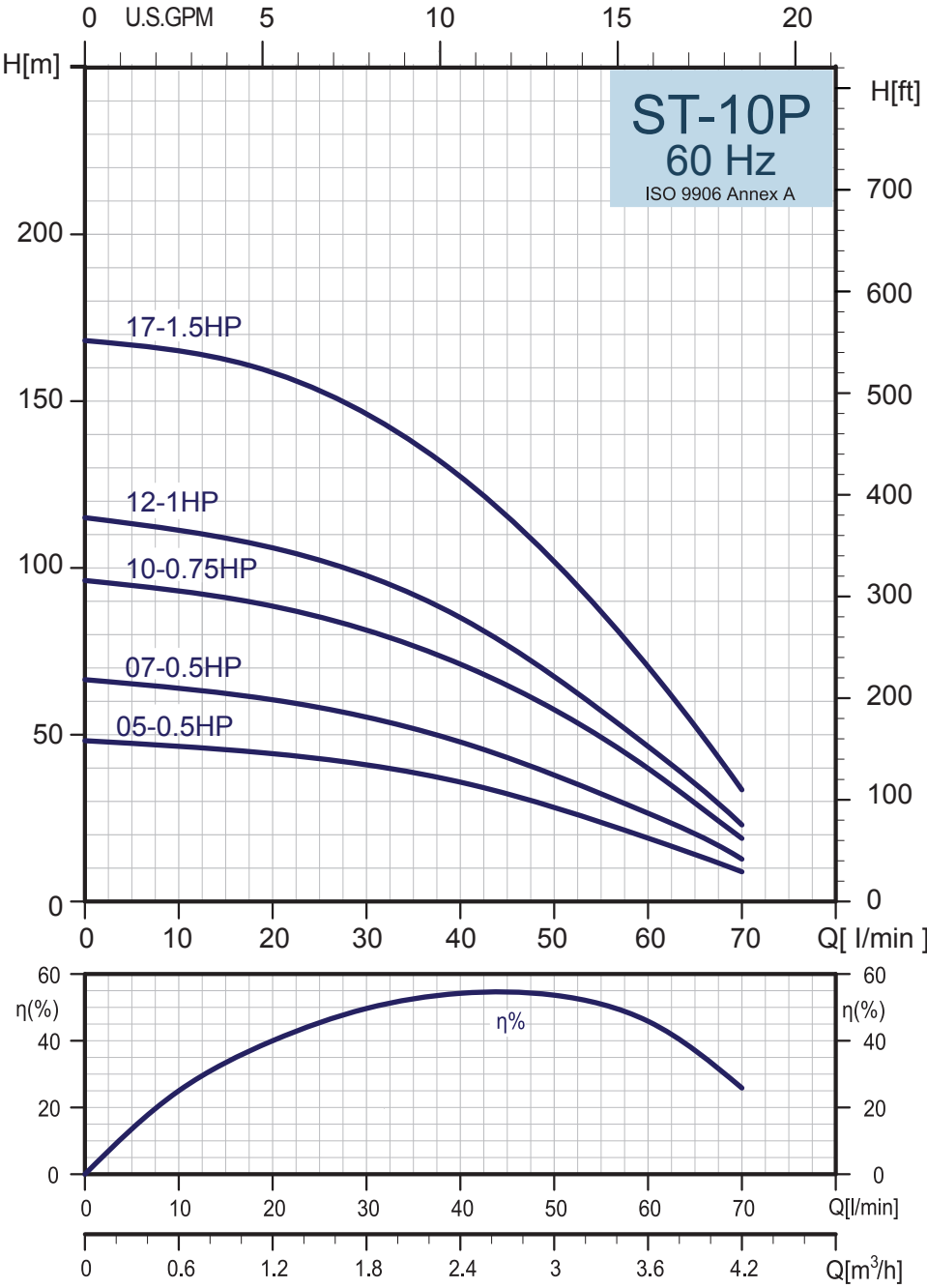
PUMP TYPE	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-07P07	347	RP or NPT 1 1/4"	98	1.9
ST-07P10	402		98	2.4
ST-07P13	456		98	2.8
ST-07P17	529		98	3.6

Performance Curves

ST-P 4"

ST-10P

60Hz



Selection Chart

PUMP TYPE	STAGES	MOTOR		Q = DELIVERY									
				l/min	0	20	25	30	35	40	50	60	70
		kW	HP	m³/h	0	1.2	1.5	1.8	2.1	2.4	3.0	3.6	4.2
				H = TOTAL HEAD IN METERS									
ST-10P05	5	0.37	0.5	48	44	42	40	38	36	29	19	9	
ST-10P07	7	0.37	0.5	67	60	58	55	52	49	39	27	13	
ST-10P10	10	0.55	0.75	96	89	85	81	77	71	58	40	19	
ST-10P12	12	0.75	1.0	115	106	102	98	92	85	68	47	23	
ST-10P17	17	1.1	1.5	168	159	152	147	138	128	102	70	35	

Dimensions and Weights

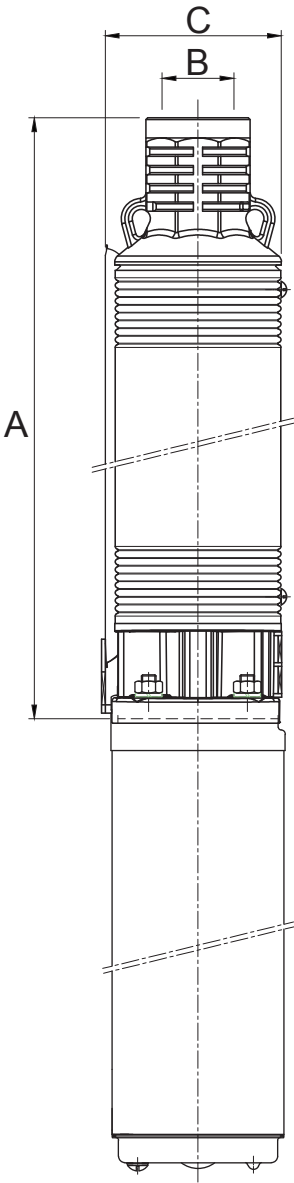
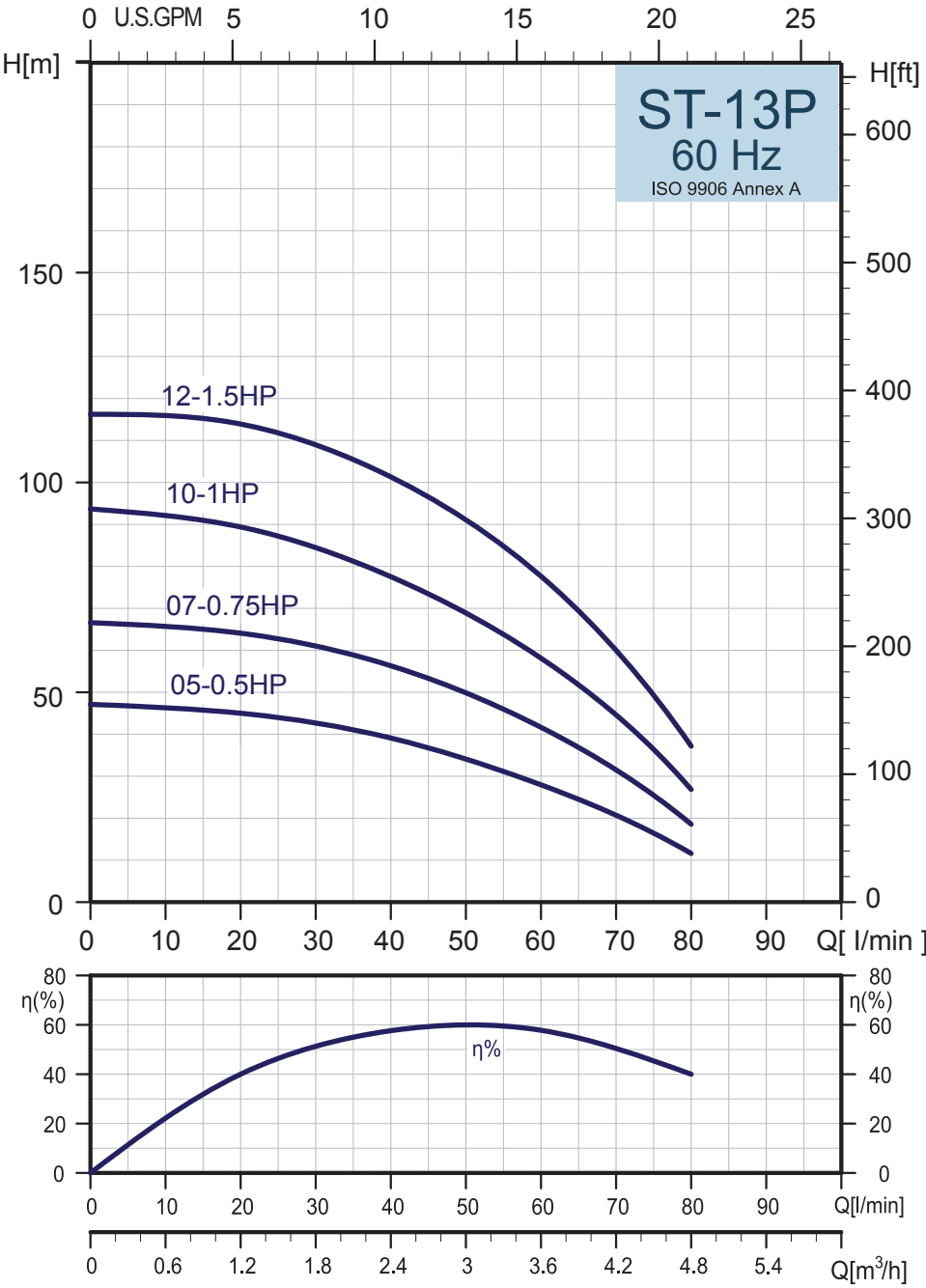
PUMP TYPE	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-10P05	309	RP or NPT 1 1/4"	98	1.6
ST-10P07	344		98	1.9
ST-10P10	397		98	2.4
ST-10P12	432		98	2.7
ST-10P17	520		98	3.5

Performance Curves

ST-P 4"

ST-13P

60Hz



Selection Chart

PUMP TYPE	STAGES	MOTOR		Q = DELIVERY							
				l/min 0	30	35	40	50	60	70	80
		kW	HP	m³/h 0	1.8	2.1	2.4	3.0	3.6	4.2	4.8
				H = TOTAL HEAD IN METERS							
ST-13P05	5	0.37	0.5	47	42	40	39	34	28	21	12
ST-13P07	7	0.55	0.75	67	61	59	57	50	41	31	19
ST-13P10	10	0.75	1.0	94	85	81	78	69	58	45	28
ST-13P12	12	1.1	1.5	116	109	106	102	91	78	60	38

Dimensions and Weights

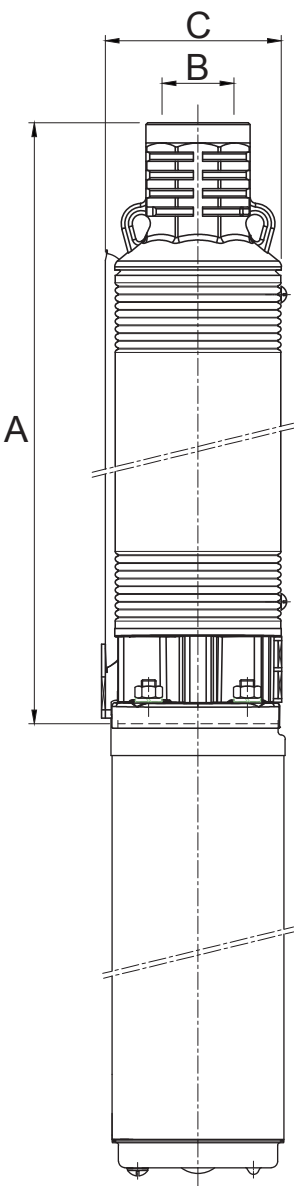
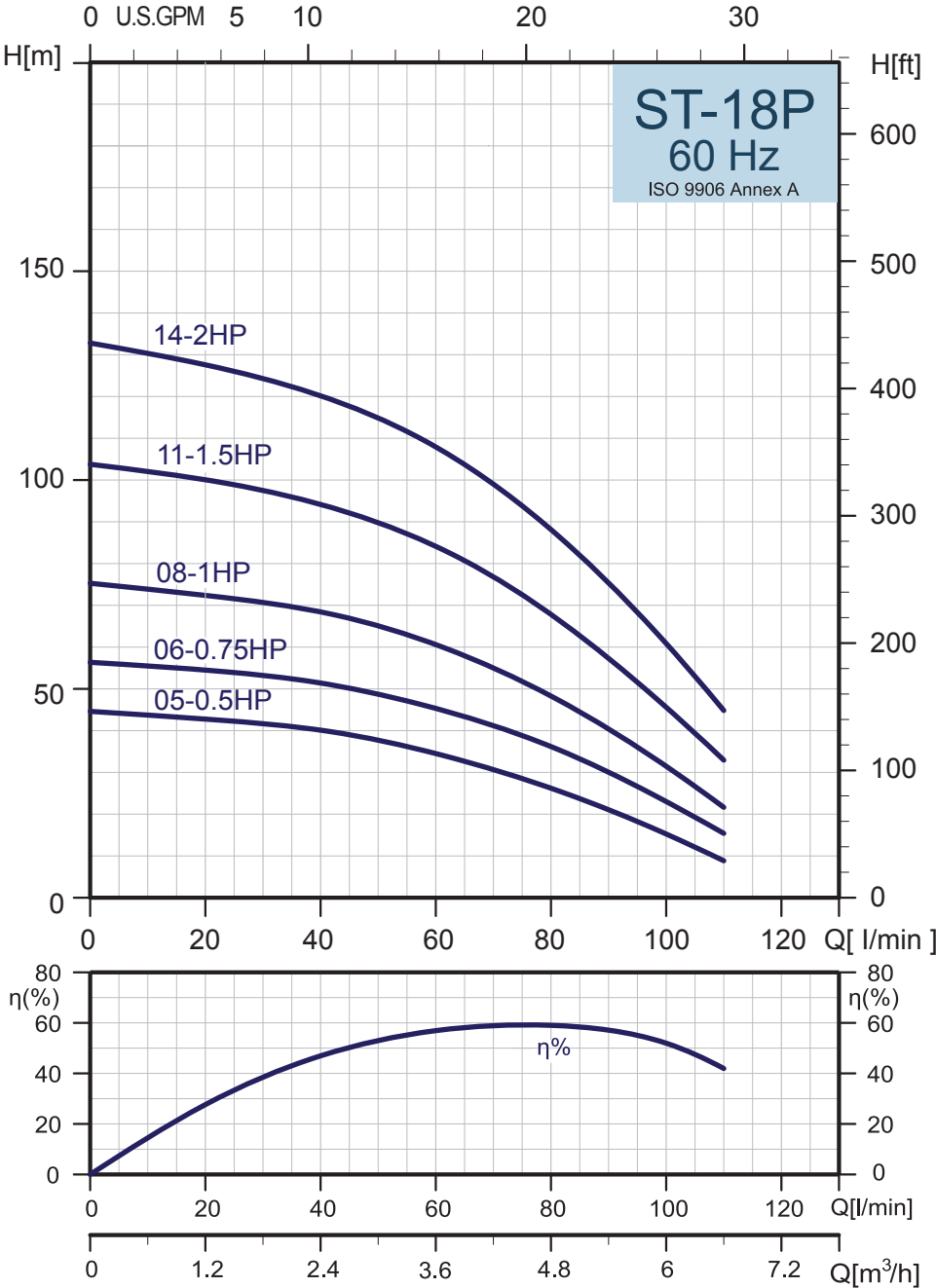
PUMP TYPE	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-13P05	309	RP or NPT 1 1/4"	98	1.6
ST-13P07	344		98	1.9
ST-13P10	397		98	2.4
ST-13P12	432		98	2.7

Performance Curves

ST-P 4"

ST-18P

60Hz



Selection Chart

PUMP TYPE	STAGES	MOTOR		Q = DELIVERY									
				l/min 0	35	40	50	60	70	80	90	100	110
		kW	HP	m³/h 0	2.1	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6
				H = TOTAL HEAD IN METERS									
ST-18P05	5	0.37	0.5	45	41	40	38	35	31	27	21	15	9
ST-18P06	6	0.55	0.75	56	53	52	49	45	41	37	30	23	16
ST-18P08	8	0.75	1.0	75	70	68	65	61	55	49	41	32	22
ST-18P11	11	1.1	1.5	104	96	94	90	84	77	68	58	46	33
ST-18P14	14	1.5	2.0	133	123	120	115	108	99	88	75	61	45

Dimensions and Weights

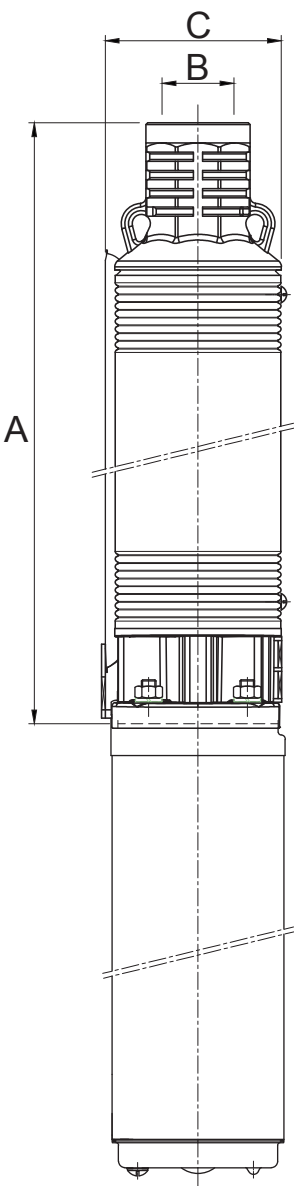
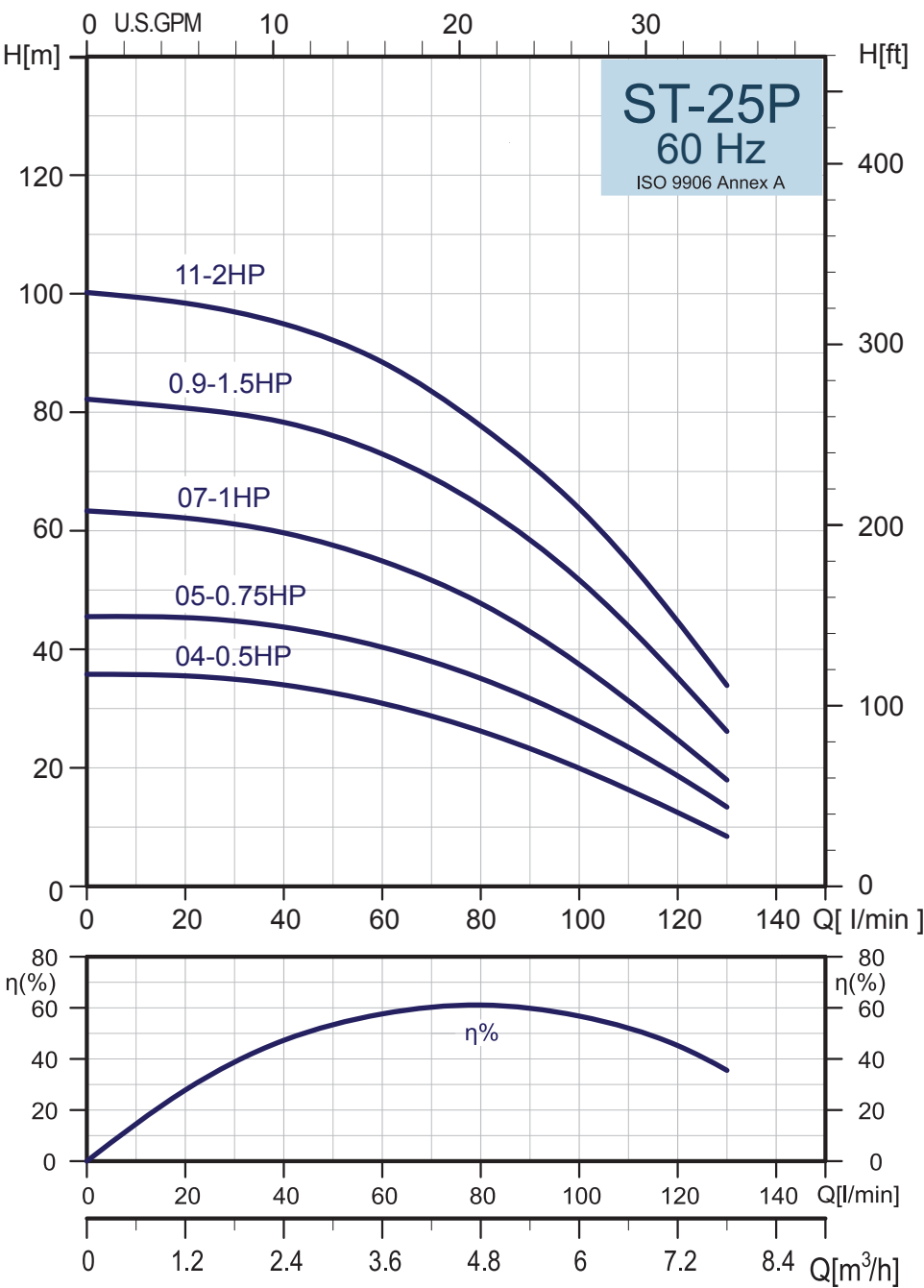
PUMP TYPE	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-18P05	328	RP or NPT 1 1/4"	98	1.7
ST-18P06	350		98	1.9
ST-18P08	393		98	2.3
ST-18P11	457		98	2.8
ST-18P14	522		98	3.3

Performance Curves

ST-P 4"

ST-25P

60Hz



Selection Chart

PUMP TYPE	STAGES	MOTOR		Q = DELIVERY							
				l/min 0	50	60	70	80	90	100	120
		kW	HP	m³/h 0	3.0	3.6	4.2	4.8	5.4	6.0	7.2
				H = TOTAL HEAD IN METERS							
ST-25P04	4	0.37	0.5	36	33	31	29	27	23	20	12
ST-25P05	5	0.55	0.75	46	42	40	38	35	32	28	19
ST-25P07	7	0.75	1.0	63	58	55	52	48	43	37	25
ST-25P09	9	1.1	1.5	82	76	73	69	64	58	52	35
ST-25P11	11	1.5	2.0	100	92	88	84	78	71	64	45

Dimensions and Weights

PUMP TYPE	Dimensions (mm)			N.W (kg)
	A	B	C	
ST-25P04	319	RP or NPT 1 1/4"	98	2.4
ST-25P05	343		98	2.6
ST-25P07	392		98	3.1
ST-25P09	441		98	3.5
ST-25P11	491		98	3.9



In view of the continuous developments the information/descriptions/specifications/illustration are subject to change without prior notice.