



ECT PUMP

ECT-STP series 60HZ Submersible Pumps



ECT-STP Submersible Pumps

ECT-STP Series is a robust 4" pump designed for long life and sand handling.

It is built mainly in stainless steel, a plastic (Noryl) discharge, a plastic (Noryl) bracket and a special floating impeller.

The design is to enhance the wear resistance and to maintain the performance over time.

Wide range of application of irrigation systems, pressure boosting, water supply and fountain applications for 4" well.

All ECT-STP pumps can be coupled to 4" NEMA standard motors.

APPLICATIONS

1. Water Supply
2. Irrigation
3. Pressure Boosting

FEATURES

Discharge Head and Motor Adaptor are made from Noryl 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.

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 Polyacetal for strong wear and abrasive resistance.

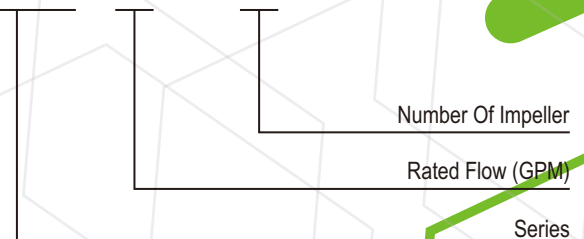
Pump body is covered by a 304 polished stainless steel casing, ensures optimum resistance to abrasion.

OPERATION CONDITIONS

1. Rated Speed : 3450rpm
2. Delivery : 7.8 m³/h
3. Head : 168m
4. Sand Content : 150 g/m³
5. Motor Power : from 0.37 to 1.5kW

MODEL CODE

ECT-STP 05 - 08



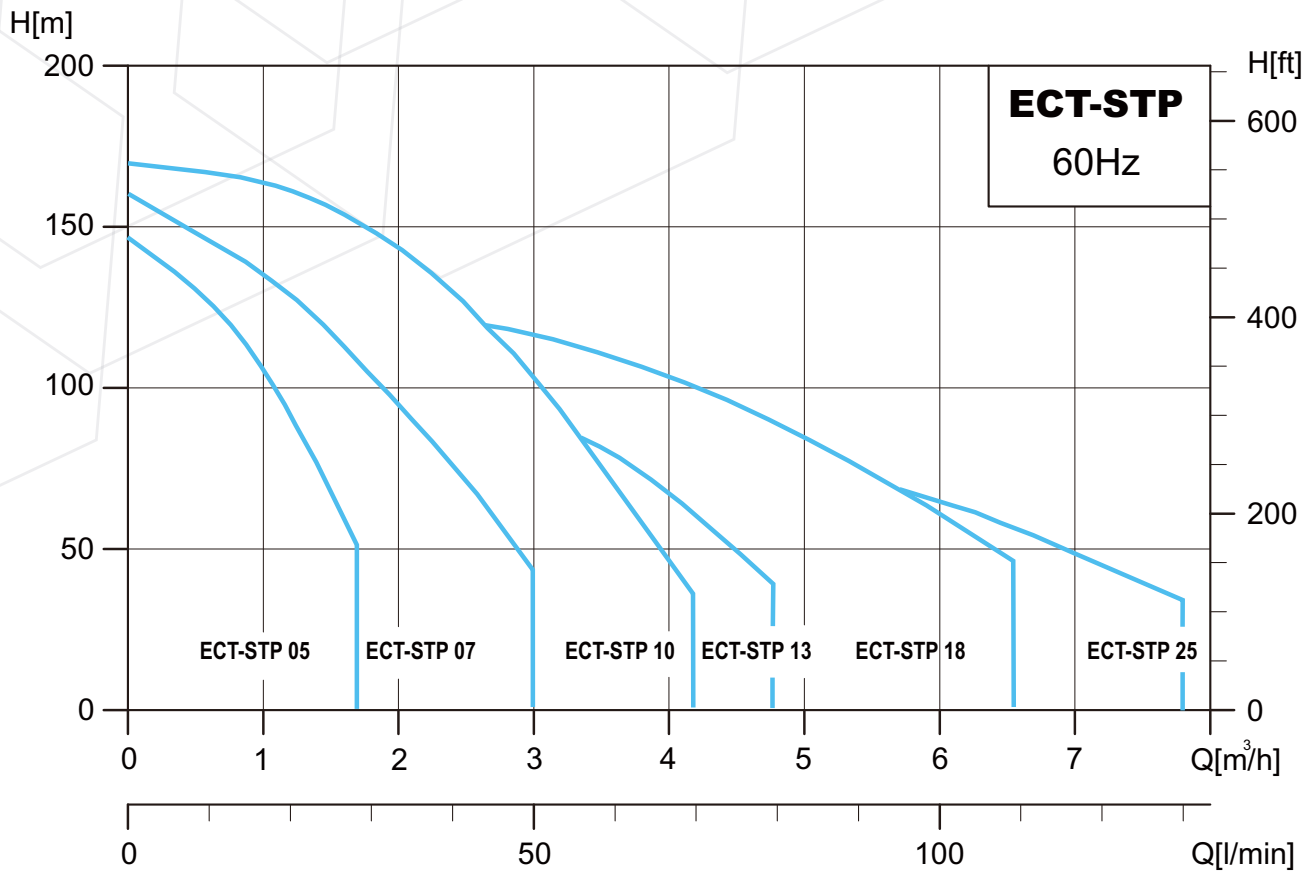


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General Data

PERFORMANCE RANGE

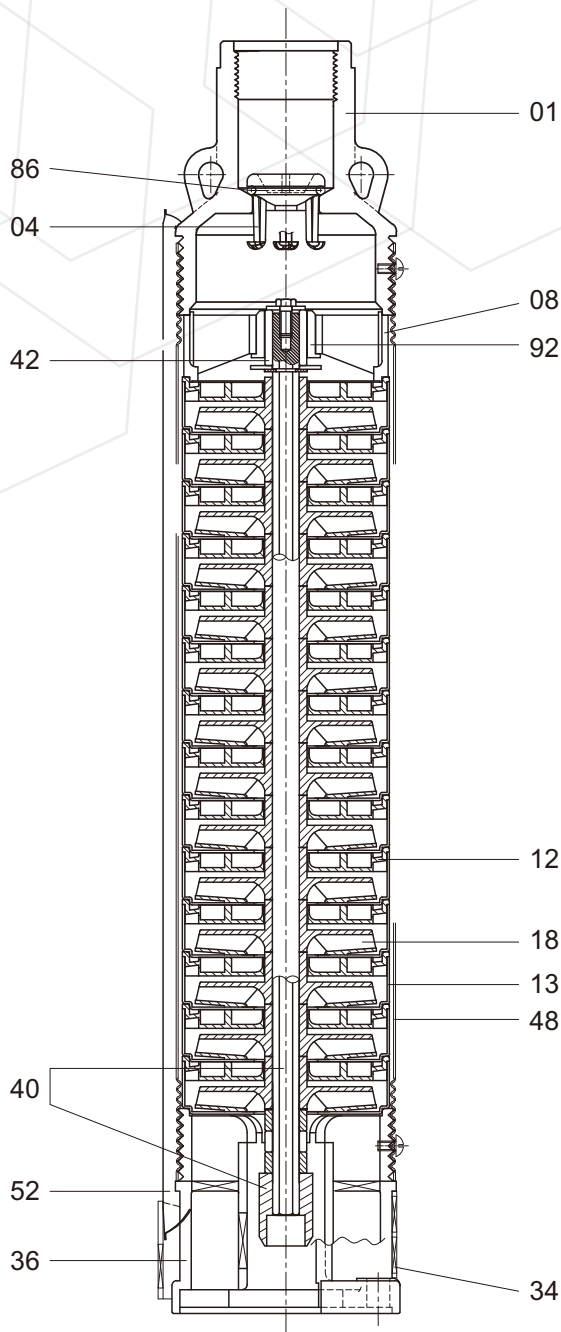




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ECT-STP General Data

MATERIALS

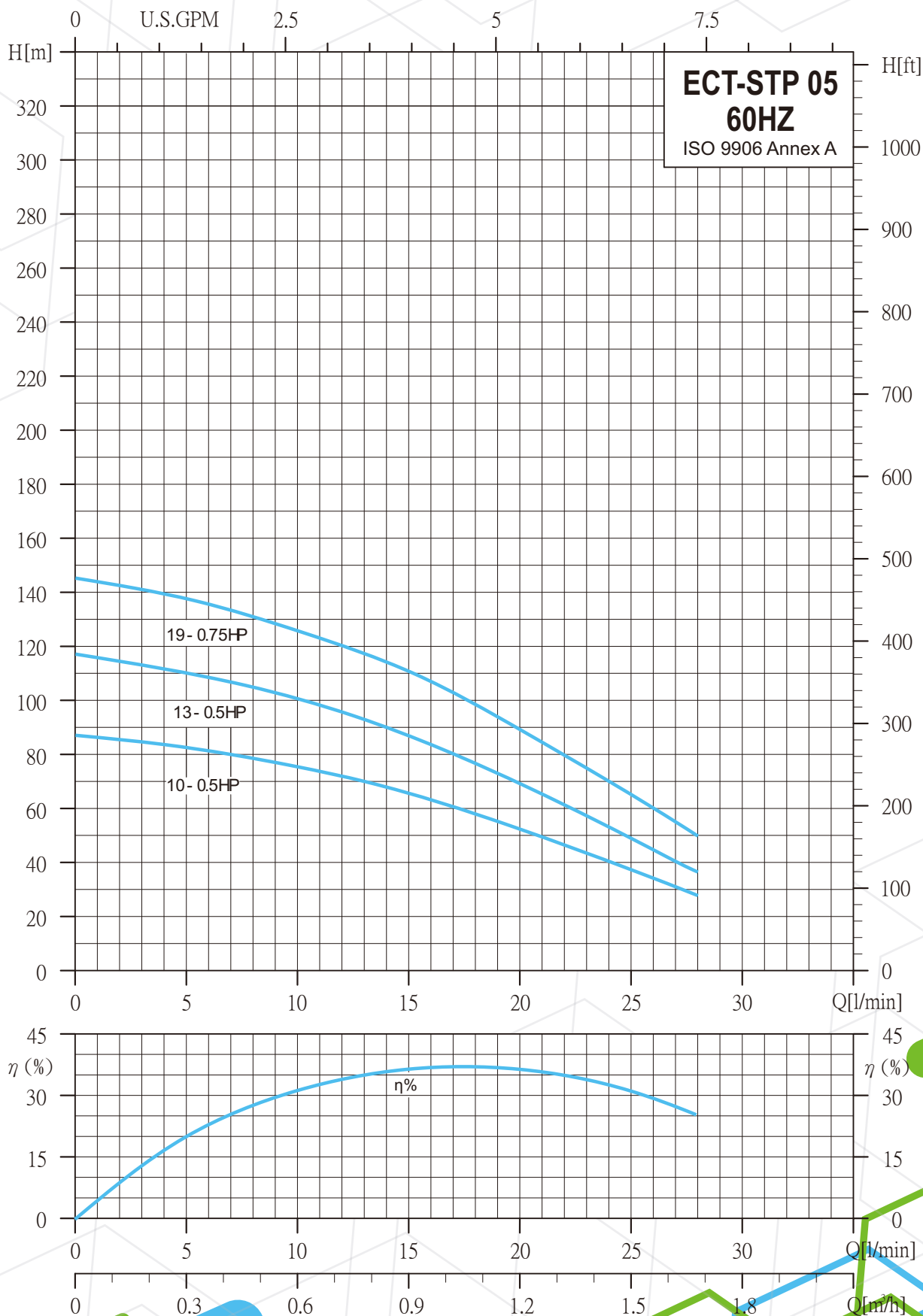


Pos.	Part Name	Material
01	Discharge Head	Noryl
04	Check Valve	POM
08	Bearing Spider	Glass Filled Polycarbonate
12	Diffuser	Glass Filled Polycarbonate
13	Bowl	AISI 304 SS
18	Impeller	Noryl
34	Strainer	Polypropylene (PP)
36	Suction Interconnector	Noryl
40	Pump shaft / Coupling	AISI 304 SS
42	Shaft Sleeve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



Technical Data

Performance Curves





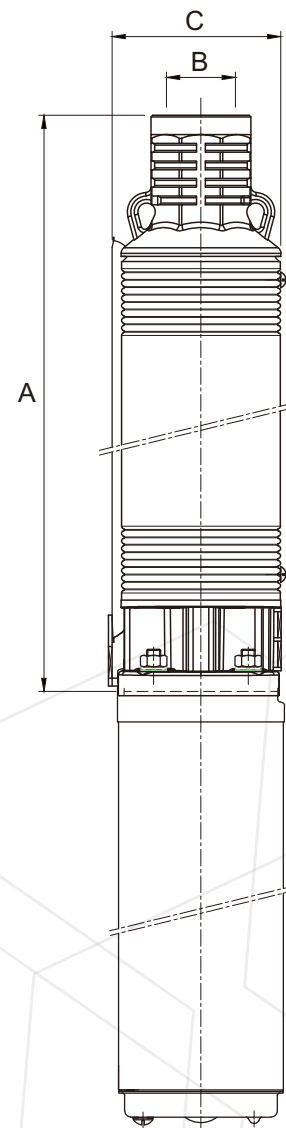
Technical Data

Specifications

Pump Type	Motor		Q=DELIVERY						
	kW	HP	l/min	0	10	15	20	25	30
			m ³ /h	0	0.6	0.9	1.2	1.5	1.8
ECT-STP 05-10	0.37	0.5	H (m)	87	75	65	52	38	21
ECT-STP 05-13	0.37	0.5		114	98	85	68	49	28
ECT-STP 05-19	0.55	0.75		144	124	1110	89	65	39

Dimensions and Weights

Pump Type	Dimensions (mm)			Net Weight (kg)
	A	B	C	
ECT-STP 05-10	379	Rp 1 1/4" NPT 1 1/4"	98	2.2
ECT-STP 05-13	432		98	2.7
ECT-STP 05-19	484		98	3.3



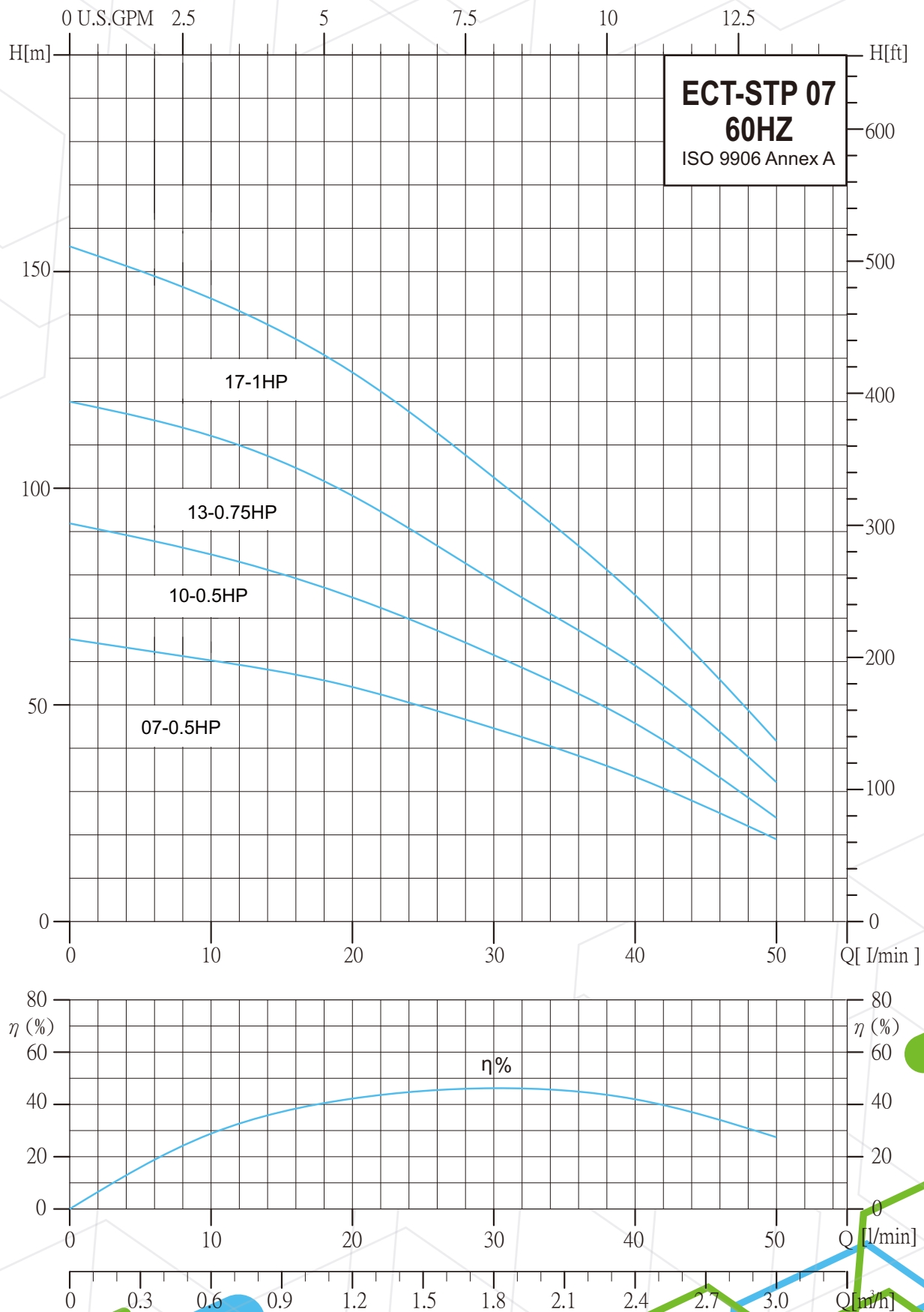


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Technical Data

Performance Curves



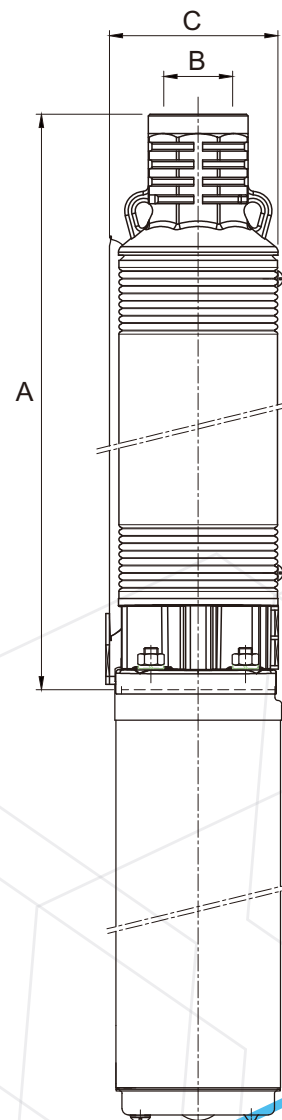
Technical Data

Specifications

Pump Type	Motor		Q=DELIVERY								
	kW	HP	l/min	0	15	20	25	30	35	40	50
			m ³ /h	0	0.9	1.2	1.5	1.8	2.1	2.4	3
ECT-STP 07-07	0.37	0.5	H (m)	66	57	54	49	44	39	33	19
ECT-STP 07-10	0.55	0.75		92	80	75	68	62	54	47	24
ECT-STP 07-13	0.75	1.0		120	106	98	89	79	69	59	32
ECT-STP 07-17	0.55	0.75		156	136	127	115	102	89	75	42

Dimensions and Weights

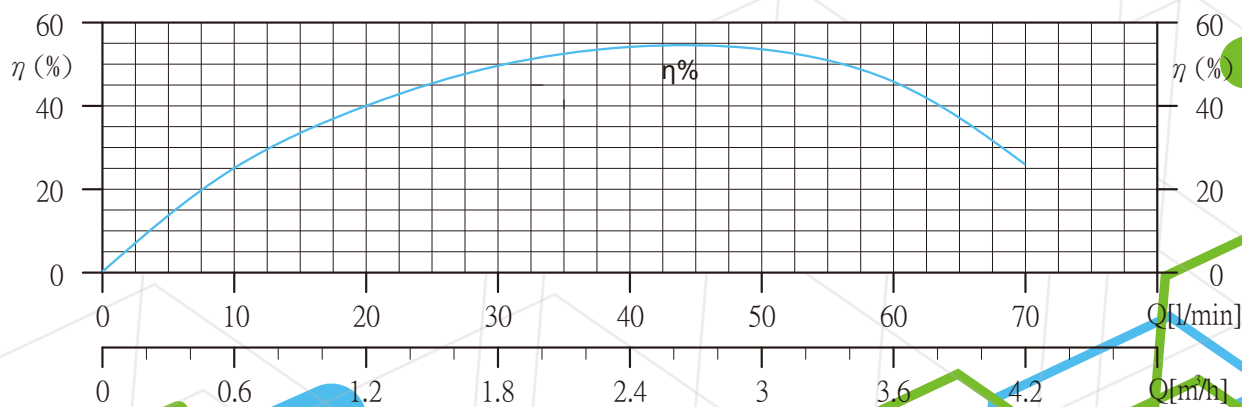
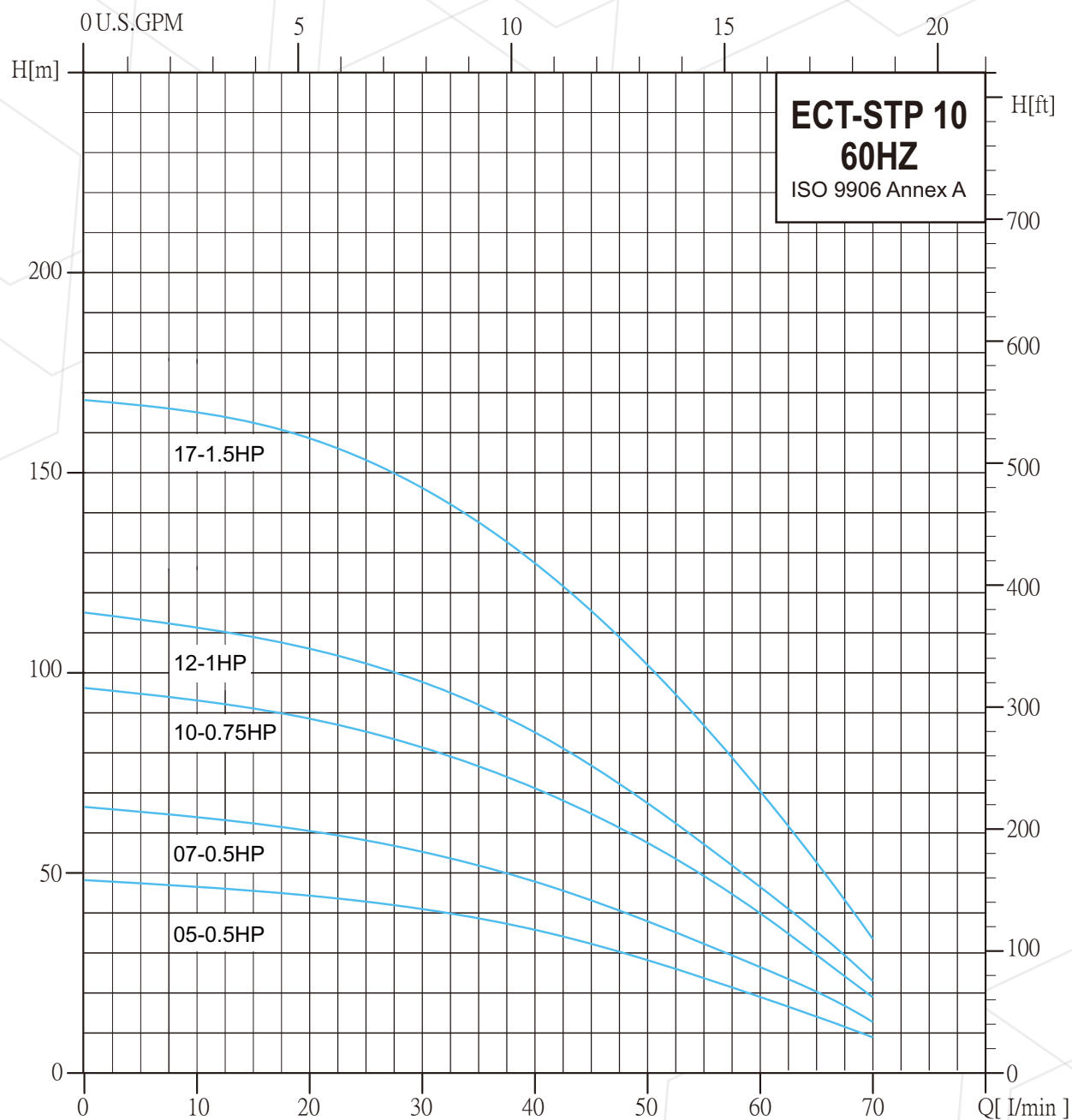
Pump Type	Dimensions (mm)			Net Weight (kg)
	A	B	C	
ECT-STP 07-07	347	Rp 1 1/4" NPT 1 1/4"	98	1.9
ECT-STP 07-10	402		98	2.4
ECT-STP 07-13	456		98	2.8
ECT-STP 07-17	529		98	3.6





Technical Data

Performance Curves





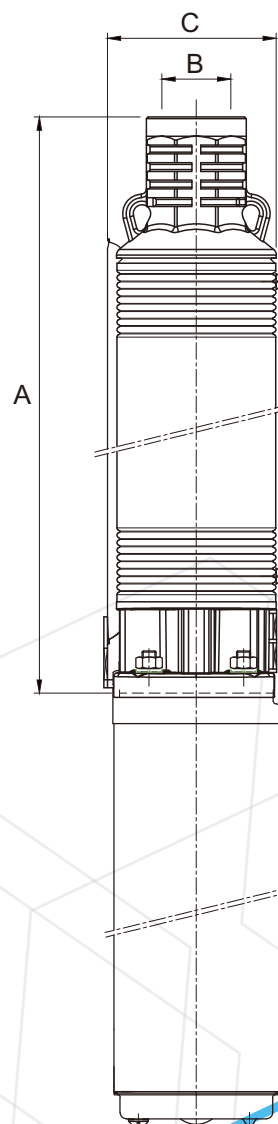
Technical Data

Specifications

Pump Type	Motor		Q=DELIVERY									
	kW	HP	l/min	0	20	25	30	35	40	50	60	70
			m ³ /h	0	1.2	1.5	1.8	2.1	2.4	3	3.6	4.2
ECT-STP 10-05	0.37	0.5	H (m)	48	44	42	40	38	36	29	19	9
ECT-STP 10-07	0.37	0.5		67	60	58	55	52	49	39	27	13
ECT-STP 10-10	0.55	0.75		96	89	85	81	77	71	58	40	19
ECT-STP 10-12	0.75	1.0		115	106	102	98	92	85	68	47	23
ECT-STP 10-17	1.1	1.5		168	159	152	147	138	128	102	70	35

Dimensions and Weights

Pump Type	Dimensions (mm)			Net Weight (kg)
	A	B	C	
ECT-STP 10-05	309	Rp 1 1/4" NPT 1 1/4"	98	1.6
ECT-STP 10-07	344		98	1.9
ECT-STP 10-10	397		98	2.4
ECT-STP 10-12	432		98	2.7
ECT-STP 10-17	520		98	3.5



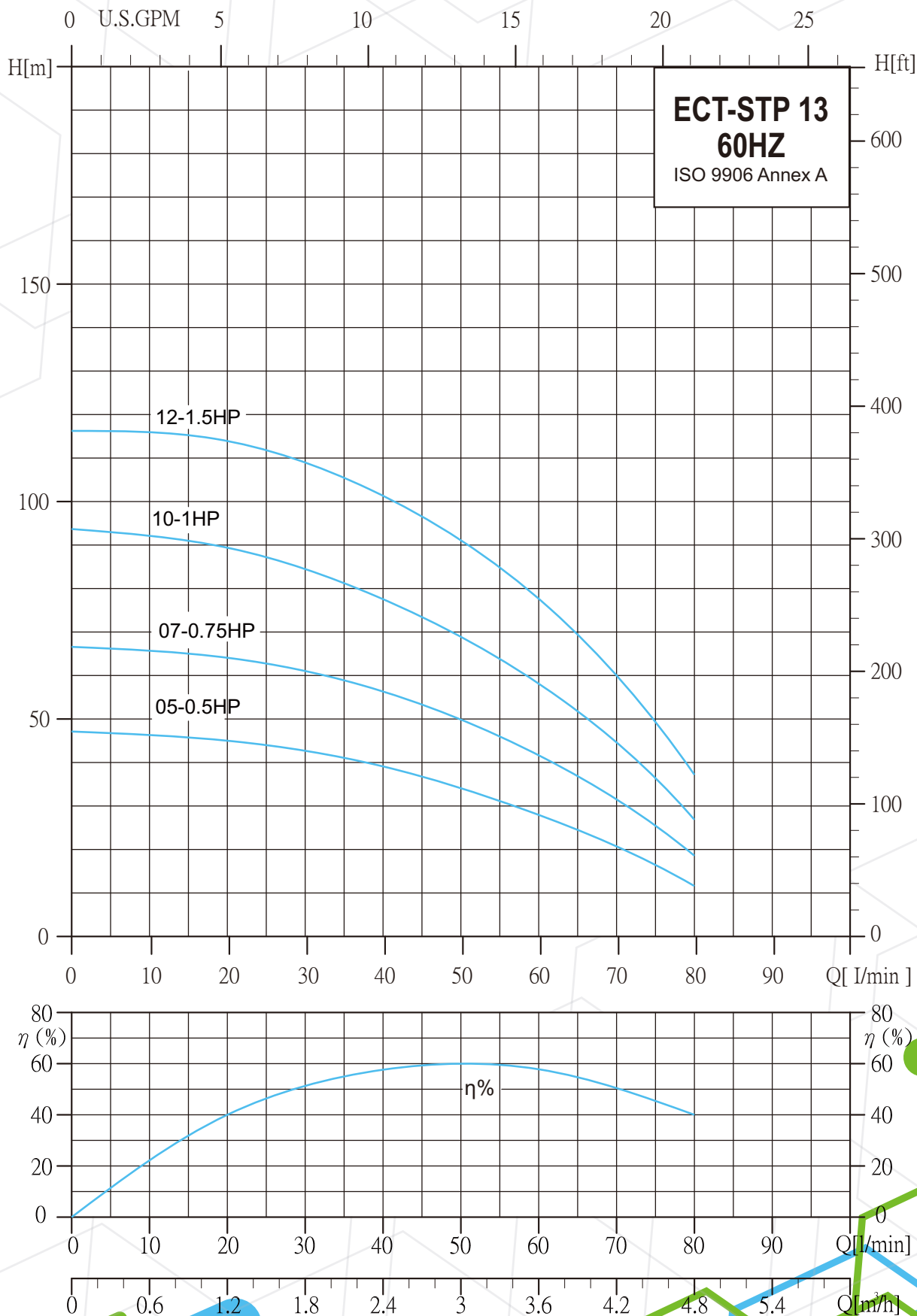


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Technical Data

Performance Curves





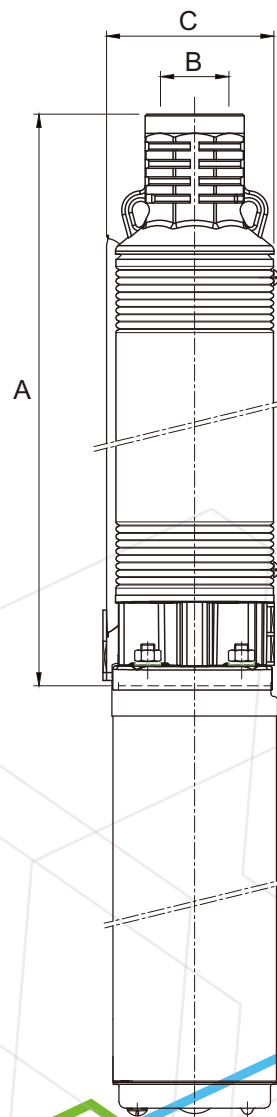
Technical Data

Specifications

Pump Type	Motor		Q=DELIVERY								
	kW	HP	l/min	0	30	35	40	50	60	70	80
			m ³ /h	0	1.8	2.1	2.4	3	3.6	4.2	4.8
ECT-STP 13-05	0.37	0.5	H (m)	47	42	40	39	34	28	21	12
ECT-STP 13-07	0.55	0.75		67	61	59	57	50	41	31	19
ECT-STP 13-10	0.75	1.0		94	85	81	78	69	58	45	28
ECT-STP 13-12	1.1	1.5		116	109	106	102	91	78	60	38

Dimensions and Weights

Pump Type	Dimensions (mm)			Net Weight (kg)
	A	B	C	
ECT-STP 13-05	309	Rp 1 1/4" NPT 1 1/4"	98	1.6
ECT-STP 13-07	344		98	2.1
ECT-STP 13-10	397		98	2.4
ECT-STP 13-12	432		98	2.7



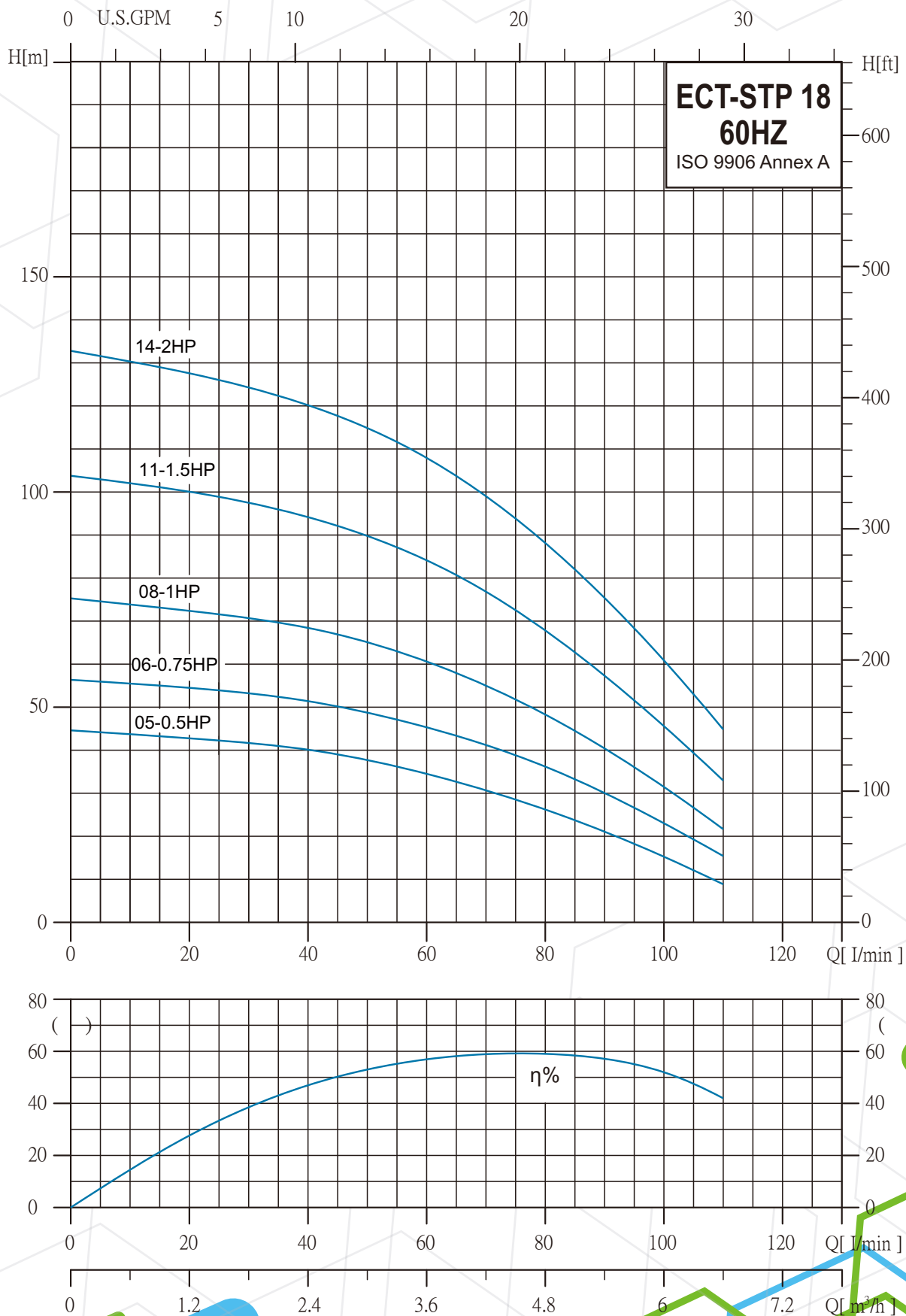


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Performance Curves



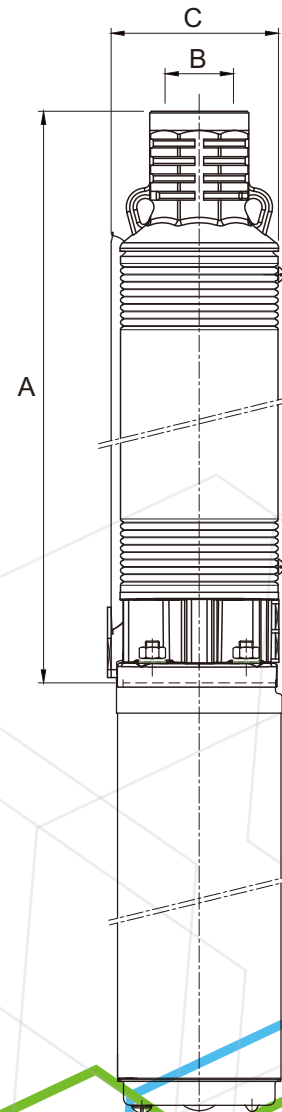
Technical Data

Specifications

Pump Type	Motor		Q=DELIVERY										
	kW	HP	l/min	0	35	40	50	60	70	80	90	100	110
			m ³ /h	0	2.1	2.4	3	3.6	4.2	4.8	5.4	6.0	6.6
ECT-STP 18-05	0.37	0.5	H (m)	45	41	40	38	35	31	27	21	15	9
ECT-STP 18-06	0.55	0.75		56	53	52	49	45	41	37	30	23	16
ECT-STP 18-08	0.75	1.0		75	70	68	65	61	55	49	41	32	22
ECT-STP 18-11	1.1	1.5		104	96	94	90	84	77	68	58	46	33
ECT-STP 18-14	1.5	2.0		133	123	120	115	108	99	88	75	61	45

Dimensions and Weights

Pump Type	Dimensions (mm)			Net Weight (kg)
	A	B	C	
ECT-STP 18-05	328	Rp 1 1/4" NPT 1 1/4"	98	1.7
ECT-STP 18-06	350		98	1.9
ECT-STP 18-08	393		98	2.3
ECT-STP 18-11	457		98	2.8
ECT-STP 18-14	522		98	3.3



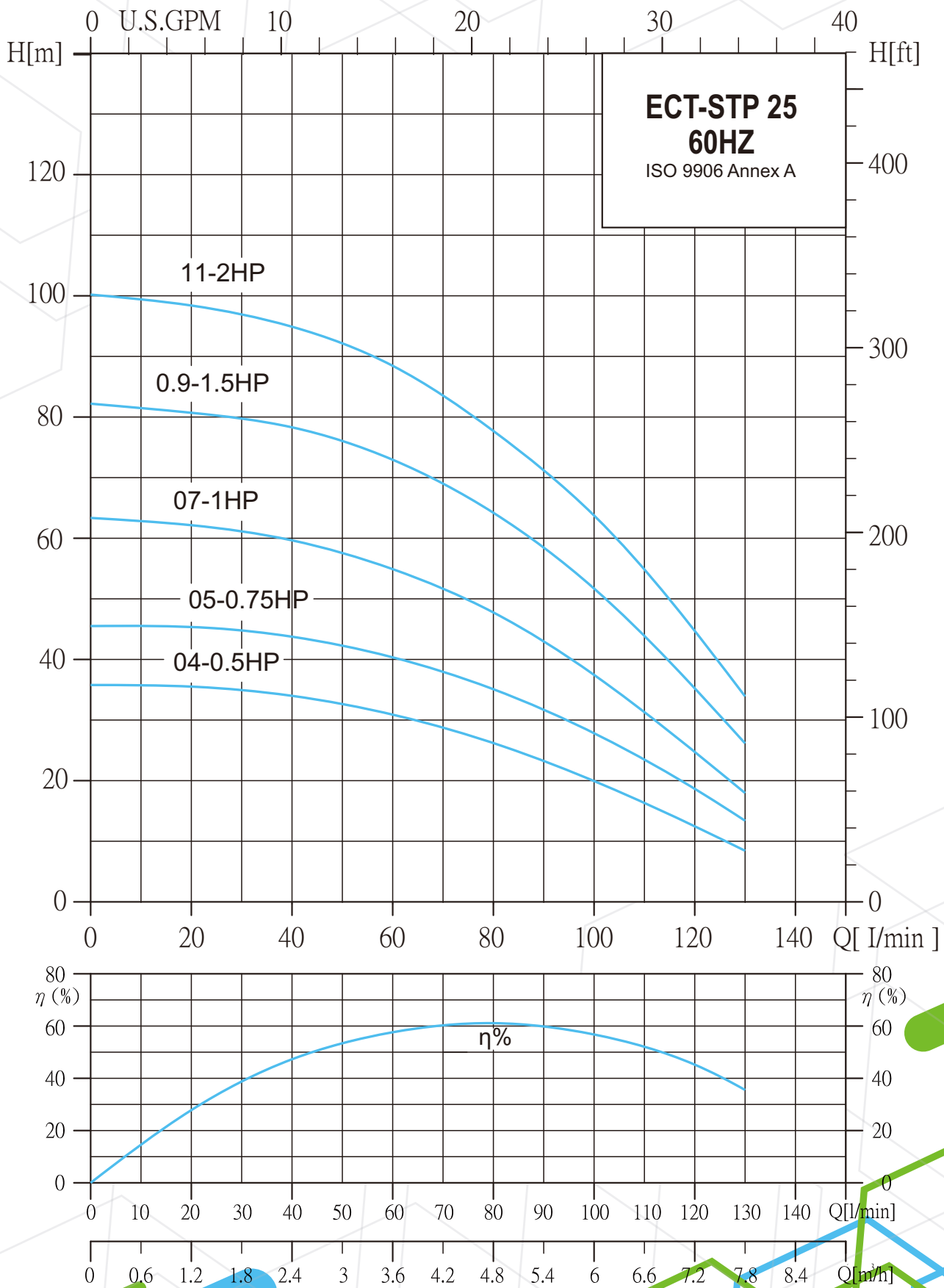


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Technical Data

Performance Curves



Technical Data

Specifications

Pump Type	Motor		Q=DELIVERY								
	kW	HP	l/min	0	50	60	70	80	90	100	120
			m ³ /h	0	2.1	2.4	3	3.6	4.2	4.8	5.4
ECT-STP 25-04	0.37	0.5	H (m)	36	33	31	29	27	23	20	12
ECT-STP 25-05	0.55	0.75		46	42	40	38	35	32	28	19
ECT-STP 25-07	0.75	1.0		63	58	55	52	48	43	37	25
ECT-STP 25-09	1.1	1.5		82	76	73	69	64	58	52	35
ECT-STP 25-11	1.5	2.0		100	92	88	84	78	71	64	45

Dimensions and Weights

Pump Type	Dimensions (mm)			Net Weight (kg)
	A	B	C	
ECT-STP 25-04	319	Rp 1 1/2" NPT 1 1/2"	98	2.4
ECT-STP 25-05	343		98	2.6
ECT-STP 25-07	392		98	3.1
ECT-STP 25-09	441		98	3.5
ECT-STP 25-11	491		98	3.9

