



Watering the Life

4" Submersible Borehole Pump



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CE ISO 9001

AQUASTRONG Co.,Ltd

About us

AQUASTRONG was established in 1990s as a global water pumps provider based in Italy, develops and sells pumps for house, garden, agriculture and commercial applications.

Nowadays **AQUASTRONG**'s strategy enables it to supply best price/performance ratio pumps with the process of controlling and monitoring quality starting from R&D, throughout manufacturing, marketing, sales, and after sales service.

As a trusted name that is highly appreciated by customers to serve their needs better than similar products available in the market, and is recognized for transparency in business relationship.

Our mission

To be recognized pump brand that offers clients a comprehensive range of high quality pumps of international standards and that suits the needs of customers in the world, and support these products with an after sales service according to our warranty policy.

Our values

The core values of **AQUASTRONG** stem from the credibility of its products and relations with its clients. This credibility is evident in the careful control of product's standard, reliability, warranty and development. It also embraces our commitment of transparency and honesty in dealing with all stakeholders.

Applications

- For water supply from wells or reservoirs
- For domestic use and industrial applications
- For garden use and irrigation

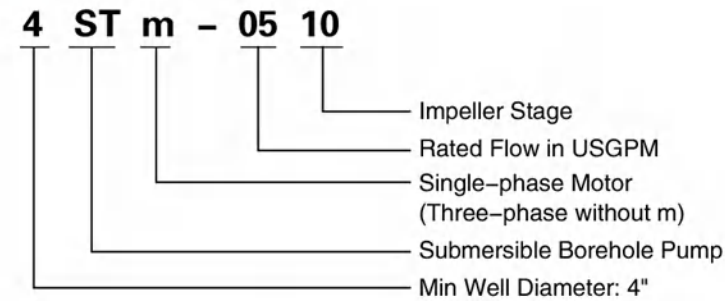
Operating Conditions

- Max fluid temperature: +35°C
- Max solid content: 0.3%
- Max chlorine content: 400 mg/L
- PH value: 6.5 - 8.0
- Max immersion: 120 m
- Min well diameter: 4"

Motor and Pump

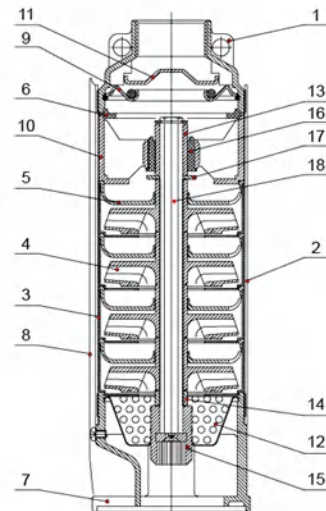
- 4" motor in compliance with NEMA standards
- All parts meet ROHS and PAHS
- Power range: 0.37 kW (0.5 HP) - 7.5 kW (10 HP)
- AISI 304 pump feature
- AISI 304 shaft
- AISI 304 connector
- AISI 304 coupling

Identification Codes



Materials Table

No.	Part	Material
1	Discharge head	AISI 304
2	Pump casing	AISI 304
3	Bowl	AISI 304
4	Impeller	PPO
5	Diffuser	PC
6	Coupling ring	PC
7	Adapter	AISI 304
8	Cable guard plate	AISI 304
9	Valve seat	AISI 304
10	Seat assembly	PC
11	Check valve	AISI 304
12	Strainer	AISI 304
13	Shaft sleeve	AISI 304
14	Adjusting washer	AISI 304
15	Coupling spline	AISI 304
16	Bush bearing	PU
17	Washer	AISI 304
18	Shaft	AISI 304



The fit dimension between pump and motor is complied with NEMA standard

Discharge Head & Motor Adaptor

Precision machined cast AISI304 for superior strength and durability. NEMA standard adaptor.

PPO Floating Impeller

Superior sand handling effect.

Impeller Bowls

Made of AISI304, Good abrasion resistance.

AISI304 Shaft Coupling

Good rigidity easy alignment to motor shaft.

Strainer

Stamped AISI304, good rigidity.

Check Valve

Made of AISI304, installed in discharge head to eliminate pump damage due to water hammer.

Pump Shaft

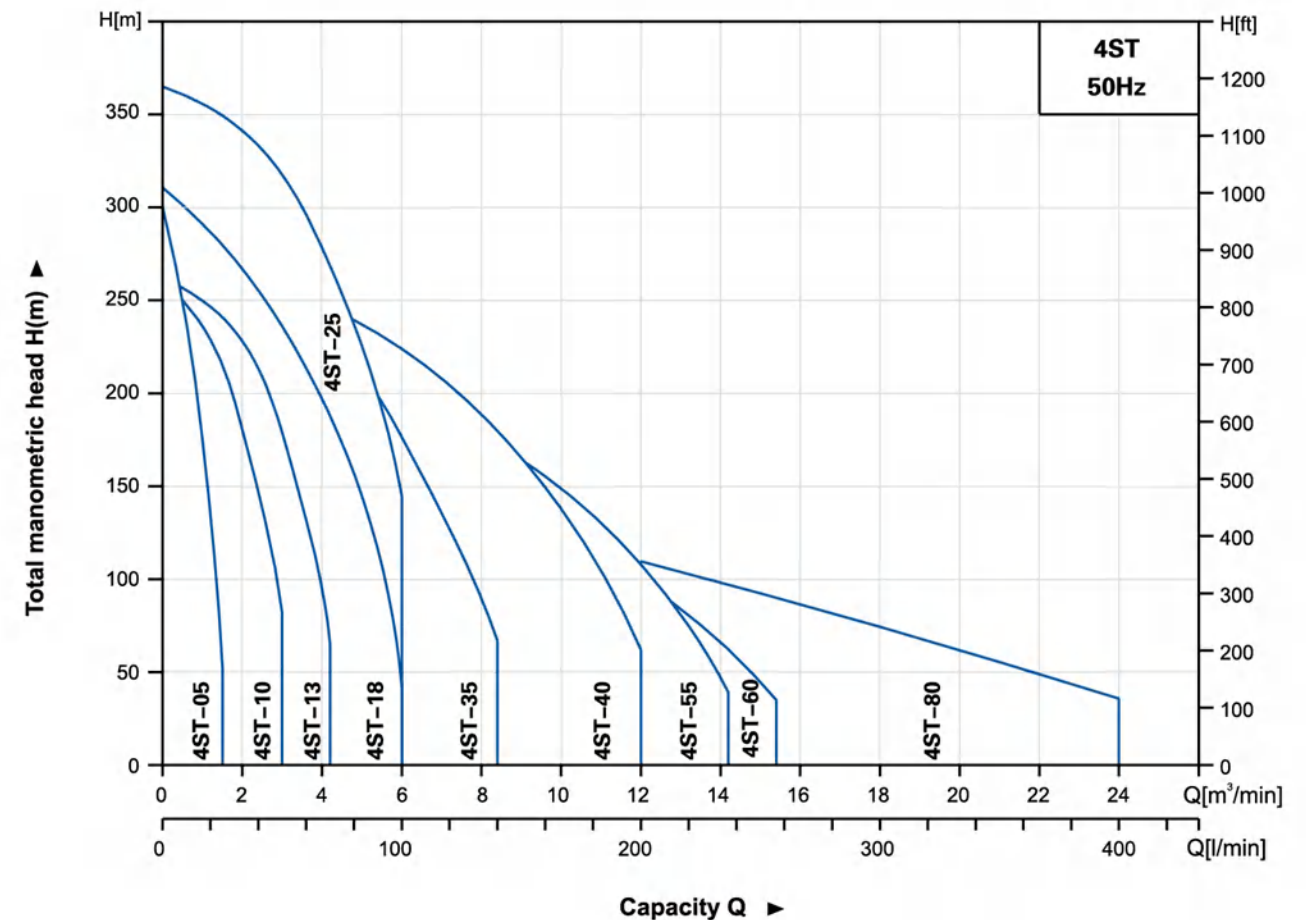
AISI304 hex bar material for high corrosion resistance.

Pump Casing

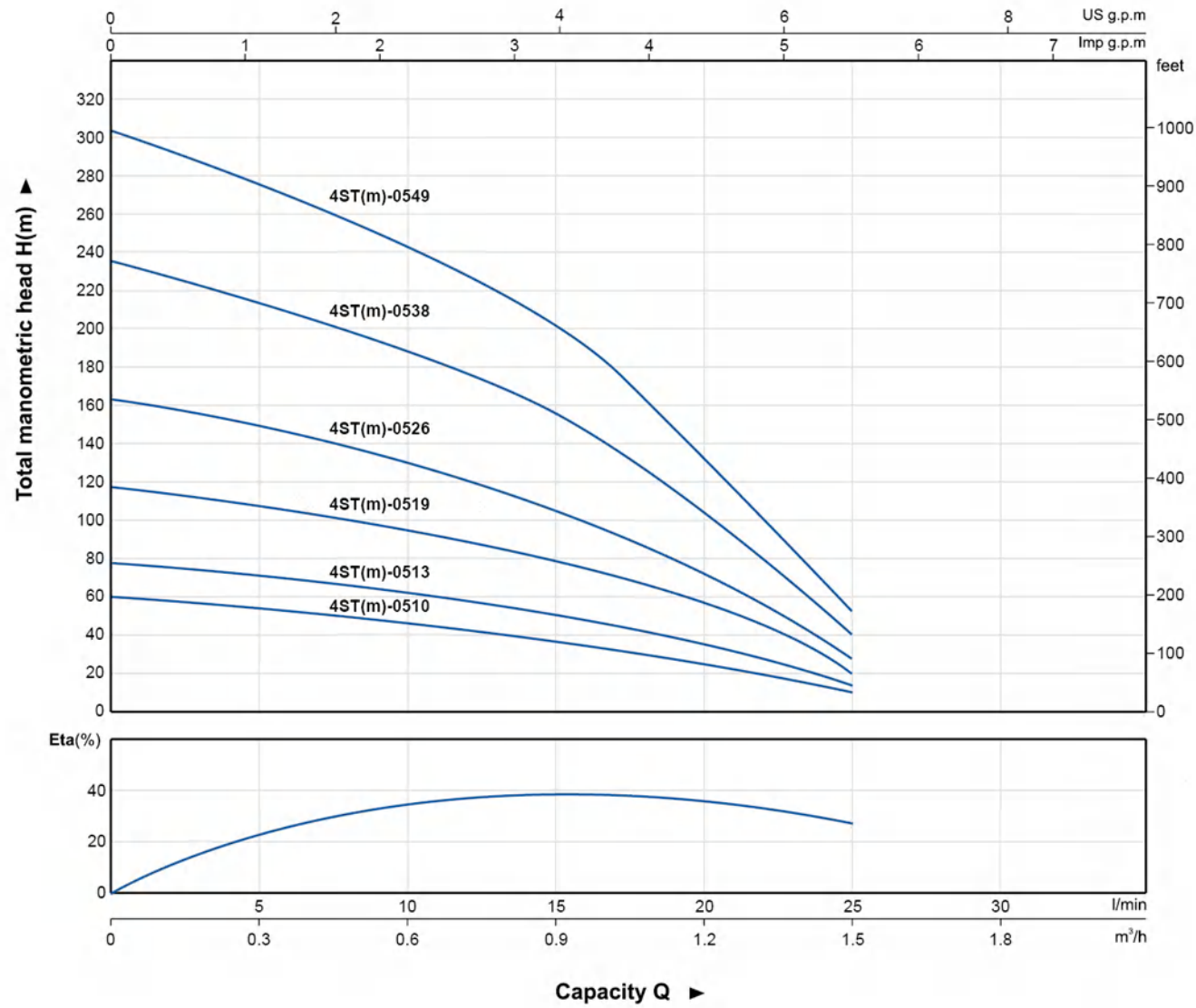
1.5mm thick polished AISI304, ensure optimum resistance to abrasion.

Bush Bearing

Made of polyurethane(PU) for strong wear and abrasive resistance.



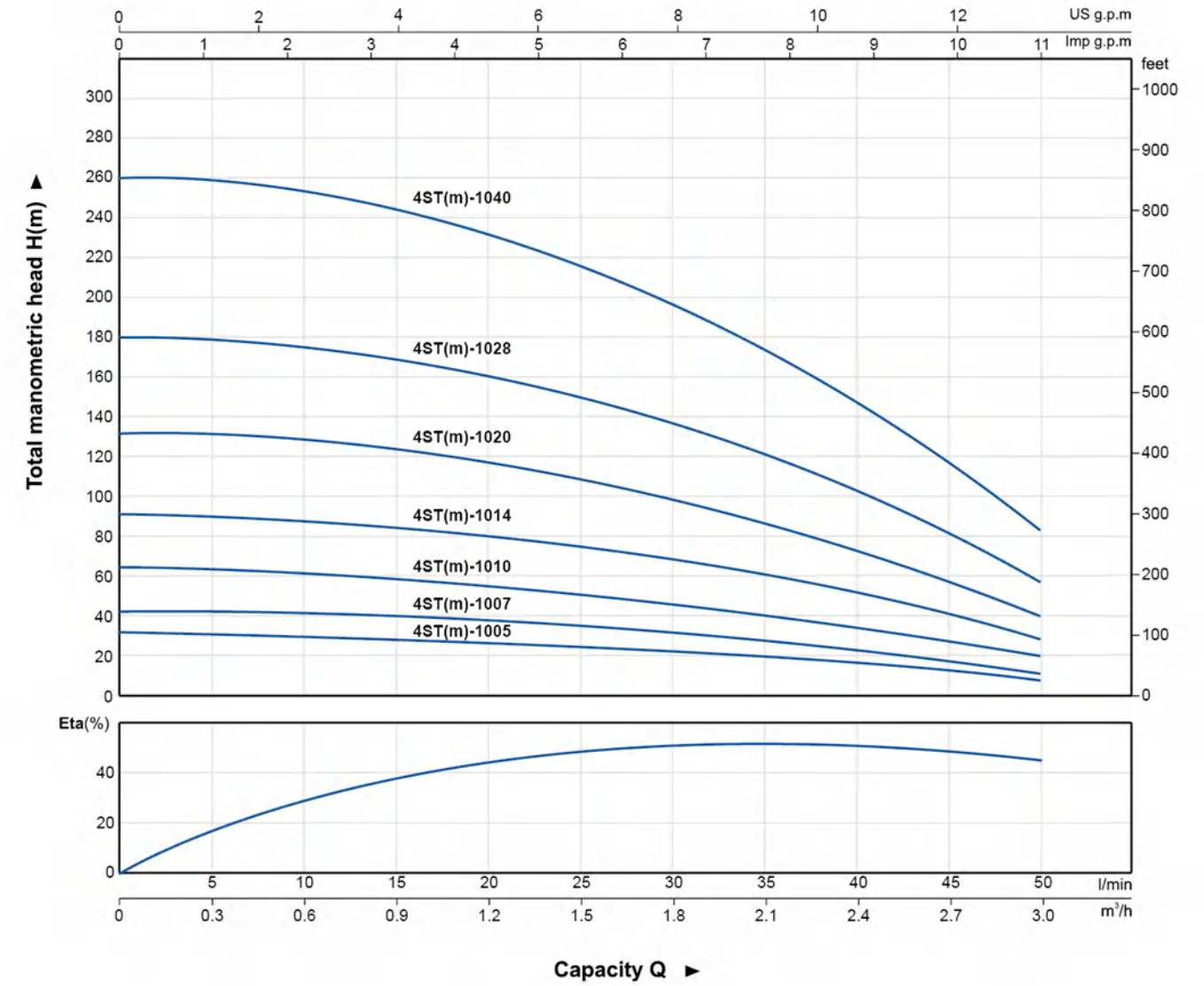
4ST 05



Technical Data

MODEL		P ₂		DELIVERY n≈2850 1/min						
Single Phase	Three Phase	kW	HP	Q m³/h l/min	0	0.3	0.6	0.9	1.2	1.5
4STm-0510	4ST-0510	0.37	0.5	H(m)	0	5	10	15	20	25
4STm-0513	4ST-0513	0.37	0.5		60	55	46	38	26	11
4STm-0519	4ST-0519	0.55	0.75		78	72	62	50	38	14
4STm-0526	4ST-0526	0.75	1.0		118	108	95	79	58	21
4STm-0538	4ST-0538	1.1	1.5		161	147	130	107	74	28
4STm-0549	4ST-0549	1.5	2.0		235	215	188	156	103	41
					303	275	241	201	132	53

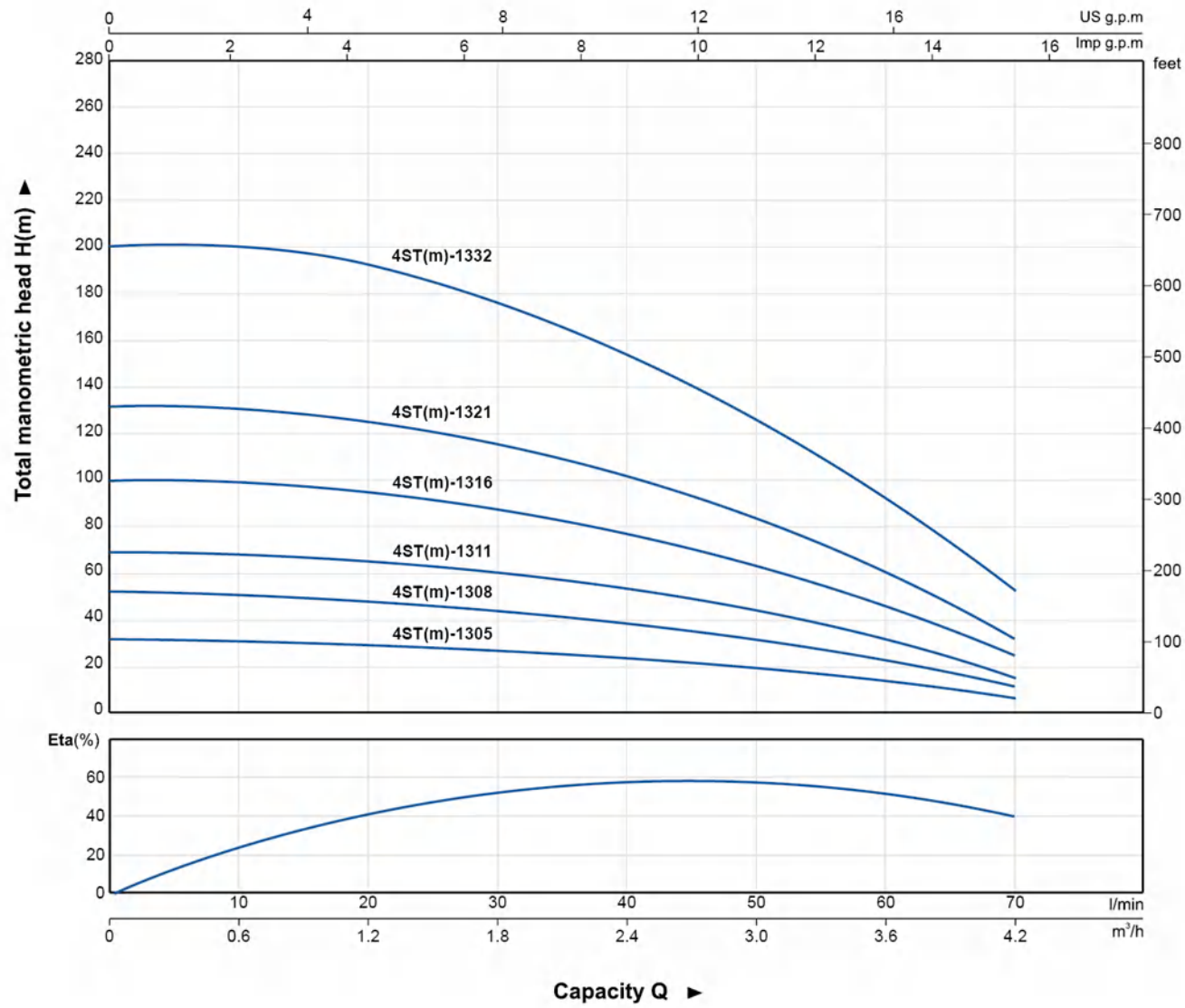
4ST 10



Technical Data

MODEL		P ₂		DELIVERY n≈2850 1/min										
Single Phase	Three Phase	kW	HP	Q m³/h l/min	0	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	
4STm-1005	4ST-1005	0.37	0.5	H(m)	0	15	20	25	30	35	40	45	50	
4STm-1007	4ST-1007	0.37	0.5		32	30	27	25	24	21	17	13	10	
4STm-1010	4ST-1010	0.55	0.75		45	42	38	35	33	29	24	19	14	
4STm-1014	4ST-1014	0.75	1.0		66	60	55	52	49	44	38	29	21	
4STm-1020	4ST-1020	1.1	1.5		92	84	77	76	69	62	53	41	29	
4STm-1028	4ST-1028	1.5	2.0		132	124	114	109	99	88	76	58	41	
4STm-1040	4ST-1040	2.2	3.0		180	170	160	151	138	122	105	81	58	
					260	243	230	215	199	174	150	116	83	

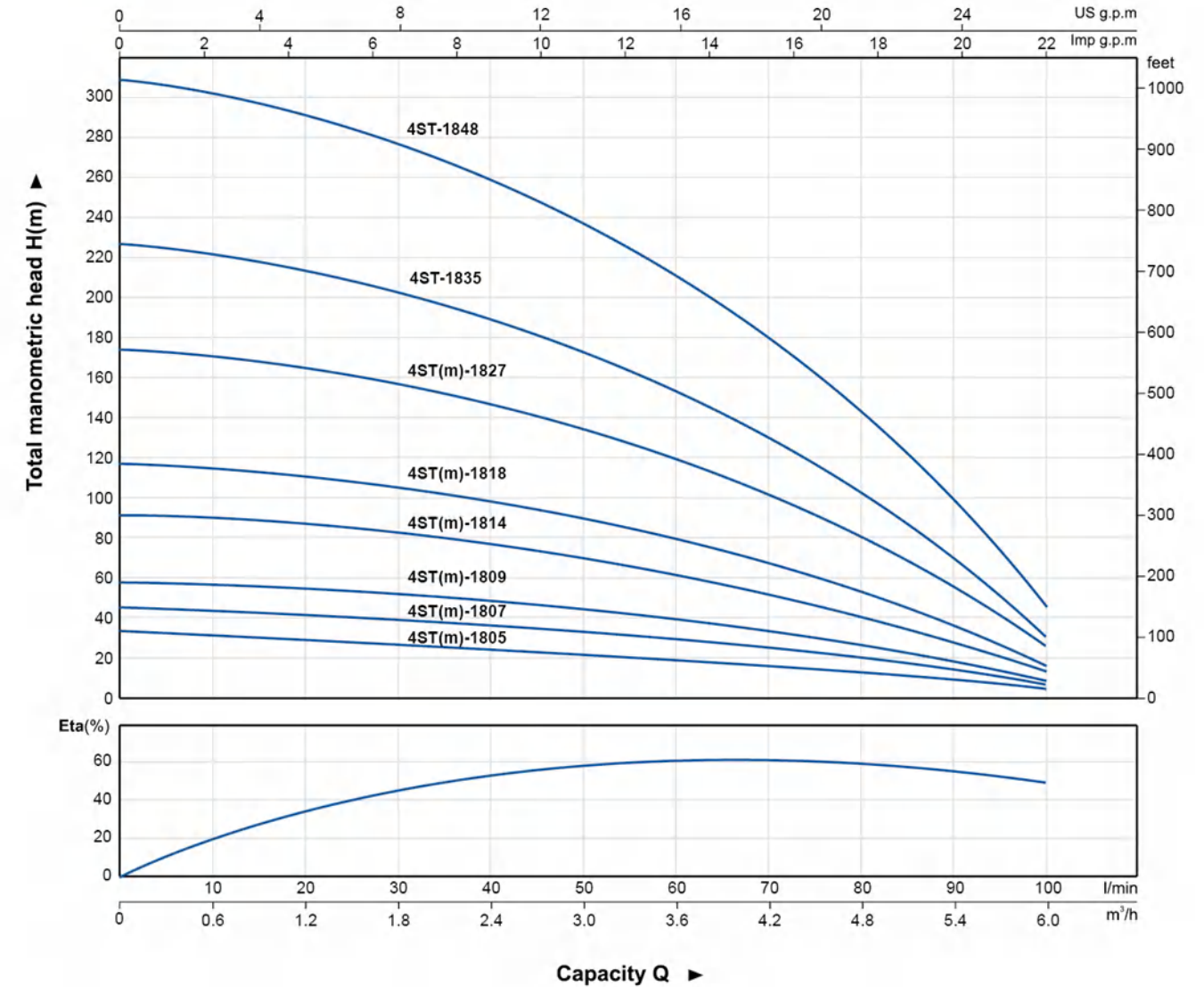
4ST 13



Technical Data

MODEL		P ₂		DELIVERY n≈2850 1/min										
Single Phase	Three Phase	kW	HP	Q m³/h l/min	0	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2
					0	20	25	30	35	40	45	50	60	70
4STm-1305	4ST-1305	0.37	0.5	H(m)	31	29	28	27	25	23	21	19	14	7
4STm-1308	4ST-1308	0.55	0.75		51	47	46	44	42	38	35	32	22	12
4STm-1311	4ST-1311	0.75	1.0		69	65	63	60	57	52	48	45	31	16
4STm-1316	4ST-1316	1.1	1.5		100	94	92	88	83	76	70	64	45	24
4STm-1321	4ST-1321	1.5	2.0		131	124	121	116	109	99	92	85	59	32
4STm-1332	4ST-1332	2.2	3.0		200	189	187	176	166	152	141	126	91	49

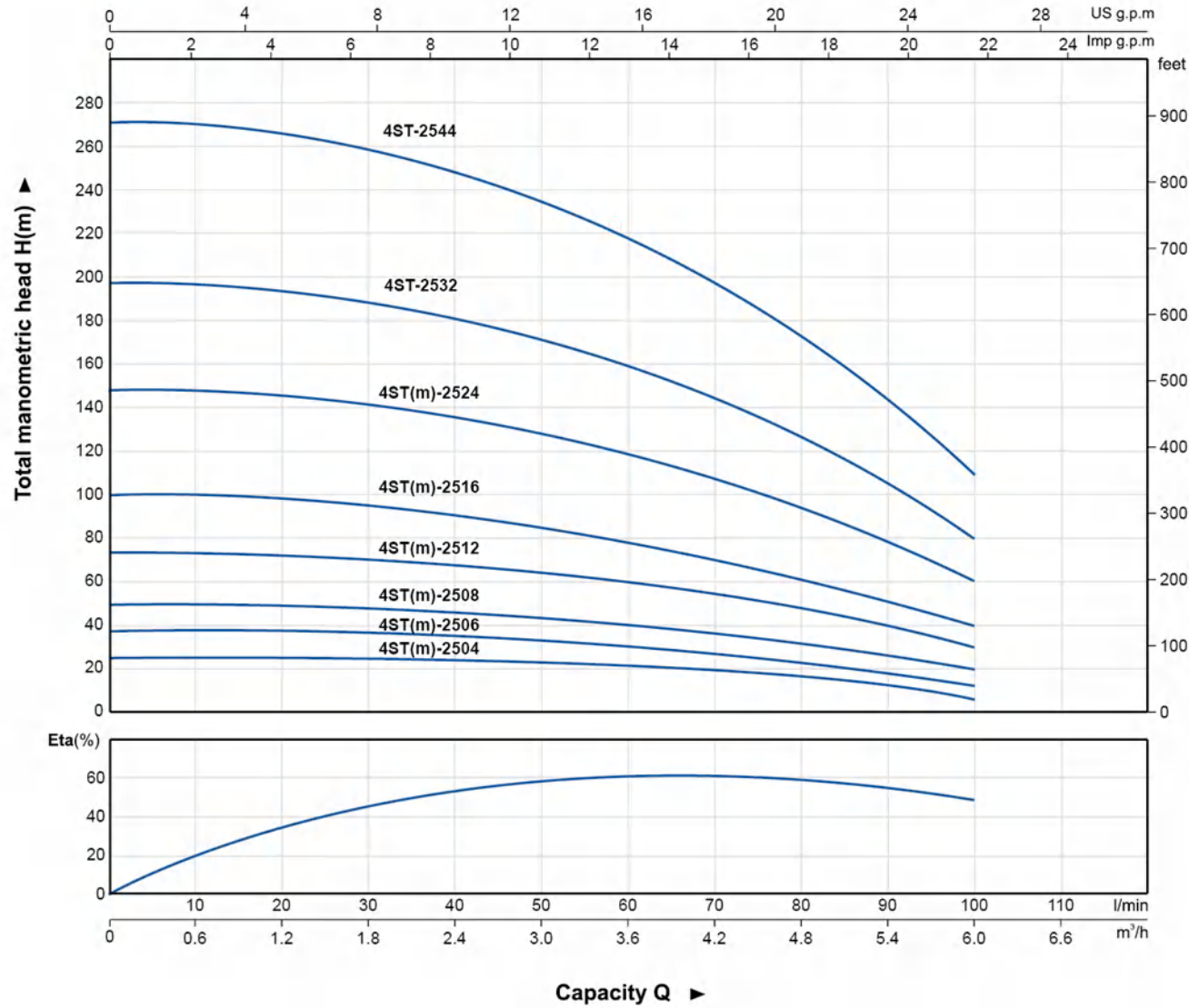
4ST 18



Technical Data

MODEL		P ₂		DELIVERY n≈2850 1/min											
Single Phase	Three Phase	kW	HP	Q m³/h l/min	0	1.5	1.8	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0
					0	25	30	40	45	50	60	70	80	90	100
4STm-1805	4ST-1805	0.37	0.5	H(m)	31	28	27	25	24	23	21	17	13	9	3
4STm-1807	4ST-1807	0.55	0.75		45	42	41	38	36	35	31	27	20	13	6
4STm-1809	4ST-1809	0.75	1.0		58	53	52	49	46	45	40	34	26	17	8
4STm-1814	4ST-1814	1.1	1.5		91	83	82	77	72	70	63	53	41	27	12
4STm-1818	4ST-1818	1.5	2.0		117	107	104	98	93	89	80	67	54	35	15
4STm-1827	4ST-1827	2.2	3.0		175	160	156	147	141	133	120	101	81	53	25
-	4ST-1835	3	4.0		227	207	202	191	182	173	156	131	103	69	32
-	4ST-1848	4	5.5		309	284	277	260	247	237	213	180	141	95	44

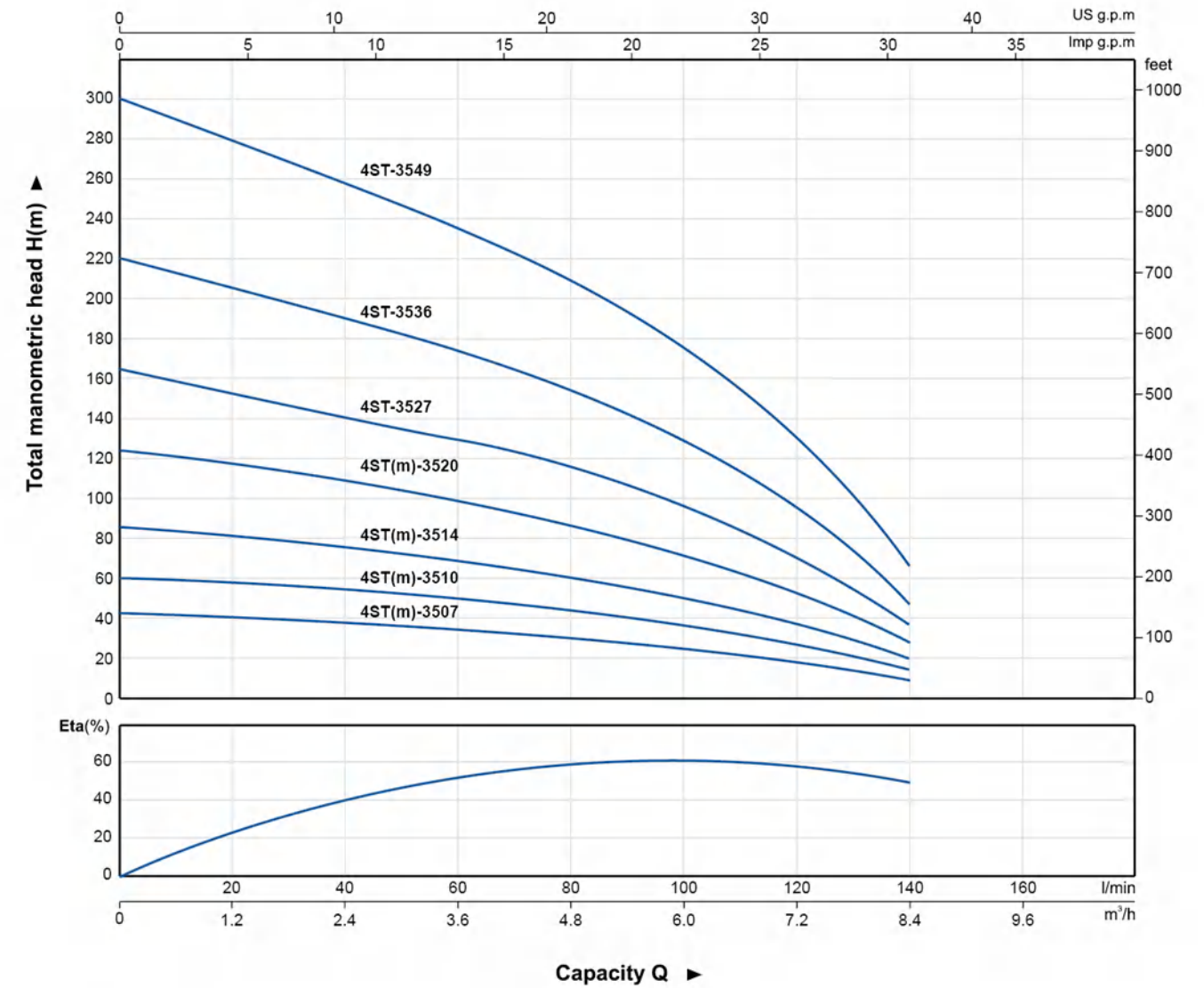
4ST 25



Technical Data

MODEL		P ₂		DELIVERY n ≈ 2850 1/min											
Single Phase	Three Phase	kW	HP	Q	H(m)										
					m³/h	0	2.1	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0
4STm-2504	4ST-2504	0.37	0.5	0	25	23	22	22	21	20	18	16	13	7	
4STm-2506	4ST-2506	0.55	0.75	0	37	34	34	33	32	30	26	24	20	12	
4STm-2508	4ST-2508	0.75	1.0	0	50	46	45	44	43	40	35	32	26	18	
4STm-2512	4ST-2512	1.1	1.5	0	74	69	67	66	64	59	53	47	39	30	
4STm-2516	4ST-2516	1.5	2.0	0	99	92	90	88	85	79	70	62	52	40	
4STm-2524	4ST-2524	2.2	3.0	0	149	139	135	132	129	119	108	94	78	60	
-	4ST-2532	3	4.0	0	198	185	179	176	170	159	144	125	104	80	
-	4ST-2544	4	5.5	0	272	253	243	241	233	216	198	172	143	110	

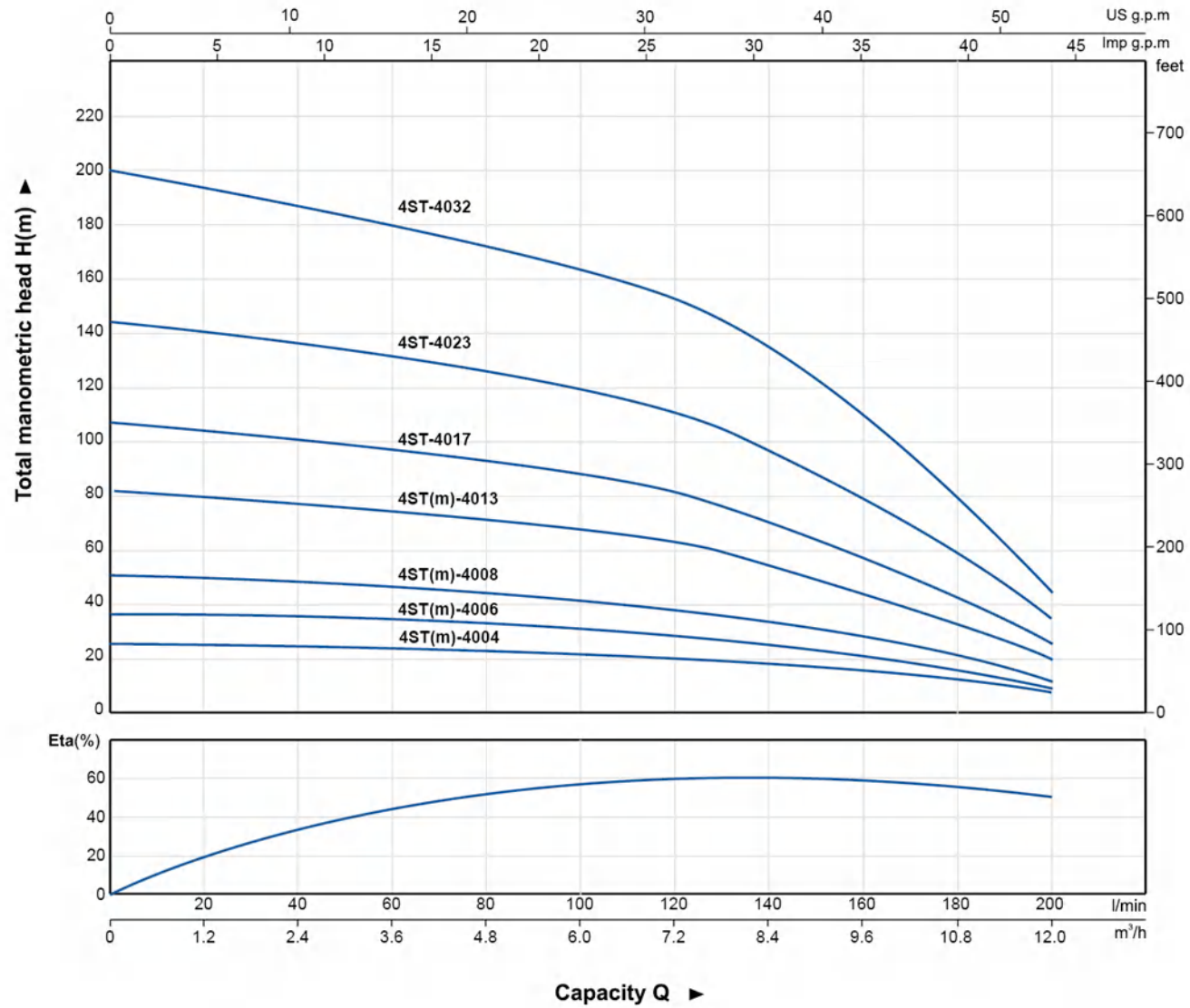
4ST 35



Technical Data

MODEL		P ₂		DELIVERY n ≈ 2850 1/min											
Single Phase	Three Phase	kW	HP	Q	H(m)										
					m³/h	0	3.0	3.6	4.2	4.8	5.4	6.0	7.2	8.4	
4STm-3507	4ST-3507	0.75	1.0	0	42	36	34	32	30	27	25	18	10		
4STm-3510	4ST-3510	1.1	1.5	0	60	51	48	46	43	40	36	26	14		
4STm-3514	4ST-3514	1.5	2.0	0	86	71	67	65	60	56	50	36	19		
4STm-3520	4ST-3520	2.2	3.0	0	123	103	96	94	86	81	72	53	28		
-	4ST-3527	3	4.0	0	165	136	129	126	116	109	96	70	36		
-	4ST-3536	4	5.5	0	221	181	172	168	154	146	129	93	49		
-	4ST-3549	5.5	7.5	0	301	246	234	228	210	199	175	127	67		

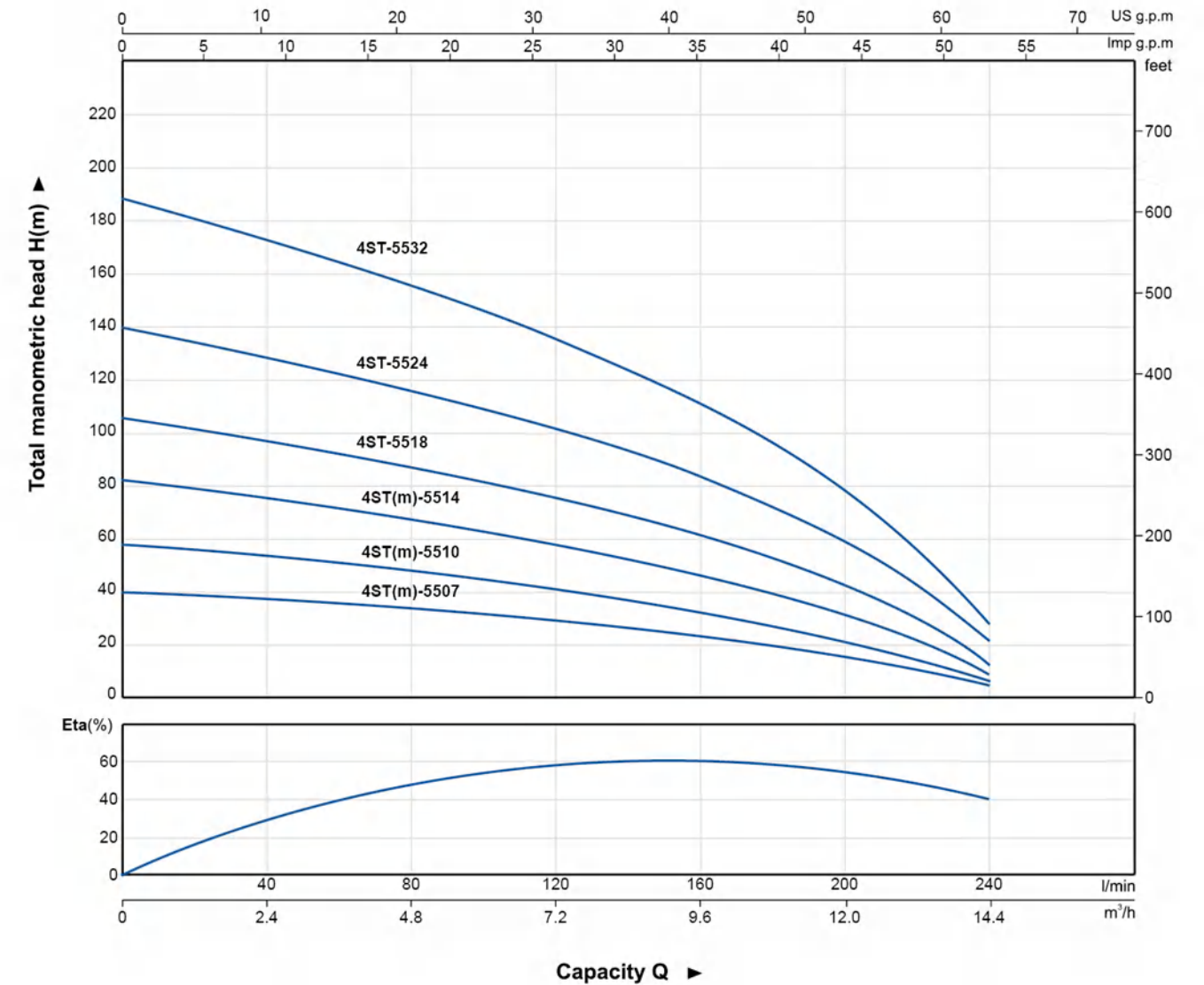
4ST 40



Technical Data

MODEL		P ₂		DELIVERY n≈2850 1/min									
Single Phase	Three Phase	kW	HP	Q m³/h l/min	0	4.8	5.4	6.0	7.2	8.4	9.6	10.8	12
					0	80	90	100	120	140	160	180	200
4STm-4004	4ST-4004	0.75	1.0	H(m)	25	22	21	21	19	17	13	11	6
4STm-4006	4ST-4006	1.1	1.5		37	33	32	31	29	25	20	16	9
4STm-4008	4ST-4008	1.5	2.0		50	44	43	41	38	34	27	21	12
4STm-4013	4ST-4013	2.2	3.0		82	71	69	67	62	54	43	34	19
-	4ST-4017	3	4.0		107	92	90	88	81	71	57	45	25
-	4ST-4023	4	5.5		144	124	123	120	110	96	77	61	35
-	4ST-4032	5.5	7.5		200	171	167	162	152	132	106	82	45

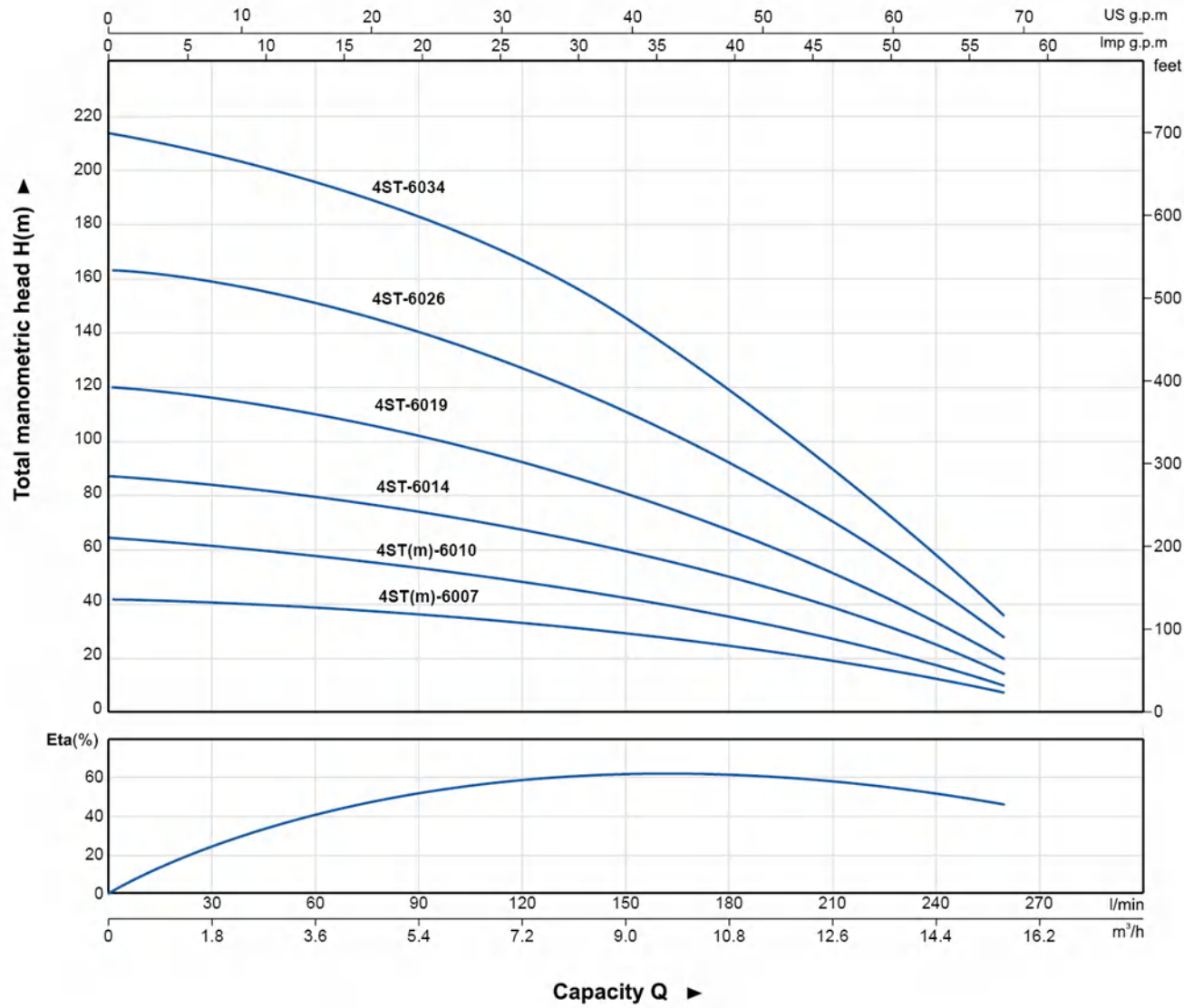
4ST 55



Technical Data

MODEL		P ₂		DELIVERY n≈2850 1/min												
Single Phase	Three Phase	kW	HP	Q m³/h l/min	0	5.4	6.0	7.2	8.4	9.6	10.8	12	13.2	14.4		
					0	90	100	120	140	160	180	200	220	240		
4STm-5507	4ST-5507	1.1	1.5	H(m)	40	32	31	28	25	22	19	14	10	4		
4STm-5510	4ST-5510	1.5	2.0		58	45	44	40	35	32	27	20	15	6		
4STm-5514	4ST-5514	2.2	3.0		81	64	62	58	52	46	40	31	21	9		
-	4ST-5518	3	4.0		104	85	82	75	68	62	54	43	29	12		
-	4ST-5524	4	5.5		139	114	109	101	92	83	73	58	41	21		
-	4ST-5532	5.5	7.5		187	151	145	134	122	110	97	78	54	28		

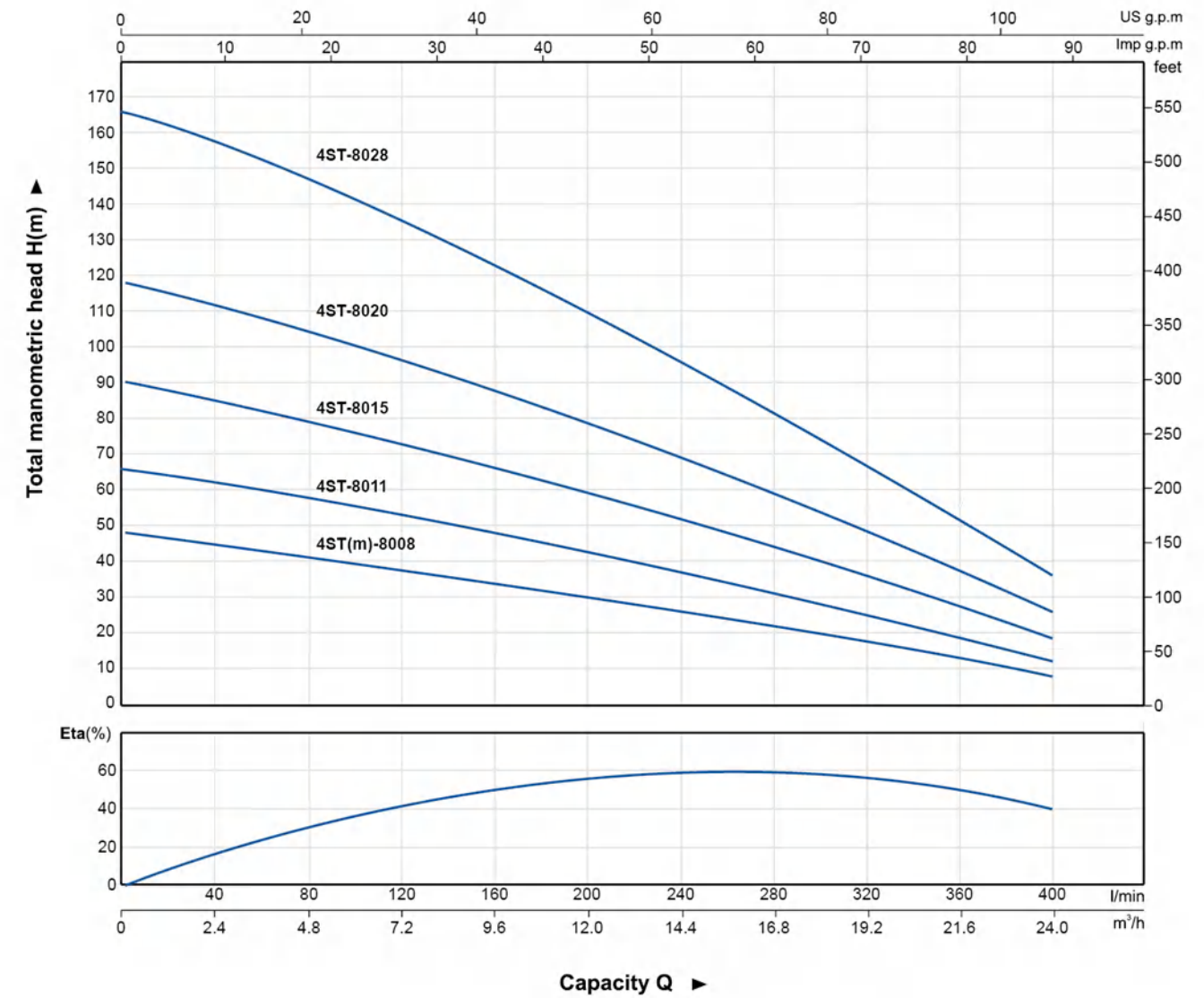
4ST 60



Technical Data

MODEL		P ₂		DELIVERY n≈2850 1/min										
Single Phase	Three Phase	kW	HP	Q m³/h l/min	0	6.0	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6
					0	100	120	140	160	180	200	220	240	260
4STm-6007	4ST-6007	1.5	2.0	H(m)	43	35	33	31	27	24	20	15	11	7
4STm-6010	4ST-6010	2.2	3.0		63	50	49	45	40	35	30	22	17	10
-	4ST-6014	3	4.0		87	70	68	63	56	48	41	32	24	15
-	4ST-6019	4	5.5		120	98	93	86	76	66	56	45	33	20
-	4ST-6026	5.5	7.5		163	134	127	117	104	90	77	62	45	27
-	4ST-6034	7.5	10		213	175	166	153	136	117	100	81	59	35

4ST 80



Technical Data

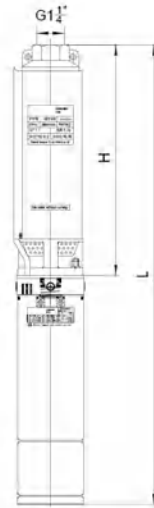
MODEL		P ₂		DELIVERY n≈2850 1/min										
Single Phase	Three Phase	kW	HP	Q m³/h l/min	0	8.4	10.8	13.2	14.4	15.6	18	19.2	21.6	24
					0	140	180	220	240	260	300	320	340	400
4STm-8008	4ST-8008	2.2	3.0	H(m)	48	37	33	29	27	26	21	19	14	9
-	4ST-8011	3	4.0		66	52	46	40	37	35	29	27	20	13
-	4ST-8015	4	5.5		90	70	62	55	51	48	40	37	29	19
-	4ST-8020	5.5	7.5		118	93	83	73	68	64	53	49	39	26
-	4ST-8028	7.5	10		165	130	116	102	95	89	74	68	54	36

Dimension & Weight

Motor and pump packaged separately. Can be packaged together when needed (Some models excepted)

4ST 05

Model	H (mm)	L (mm)	NW (kgs)		GW (kgs)	Packing dimension (mm)	
			H	L		Pump Part	Motor Part
4STm-0510	332	665	3.2	10.7	11.6	390×120×140	410×130×150
4STm-0513	382	715	3.7	11.2	12.2	450×120×140	410×130×150
4STm-0519	481	834	4.7	13.0	13.8	515×120×140	420×130×150
4STm-0526	596	974	5.8	14.8	16.1	645×120×140	460×130×150
4STm-0538	870	1274	8.1	19.1	21.1	890×120×140	510×130×150
4STm-0549	1052	1524	10.5	22.9	25.3	1080×120×140	540×130×150
4ST-0510	332	665	3.2	9.7	10.6	390×120×140	400×130×150
4ST-0513	382	715	3.7	10.2	11.2	450×120×140	400×130×150
4ST-0519	481	814	4.7	12.0	12.8	515×120×140	410×130×150
4ST-0526	596	959	5.8	14.5	16.1	645×120×140	440×130×150
4ST-0538	870	1239	8.1	17.8	19.8	890×120×140	475×130×150
4ST-0549	1052	1494	10.5	21.6	24.0	1080×120×140	510×130×150



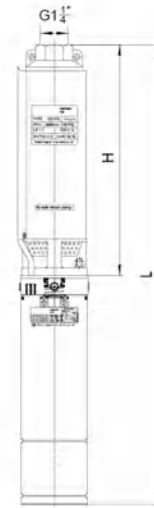
4ST 10

Model	H (mm)	L (mm)	NW (kgs)		GW (kgs)	Packing dimension (mm)	
			H	L		Pump Part	Motor Part
4STm-1005	257	590	2.4	9.9	10.4	300×120×140	410×130×150
4STm-1007	293	626	2.7	10.2	10.9	340×120×140	410×130×150
4STm-1010	347	700	3.3	11.6	12.2	390×120×140	420×130×150
4STm-1014	419	797	4.0	13.0	13.6	450×120×140	460×130×150
4STm-1020	527	969	5.0	16.0	16.8	555×120×140	510×130×150
4STm-1028	671	1143	6.4	18.8	19.8	740×120×140	540×130×150
4STm-1040	963	1480	9.4	24.2	25.1	990×120×140	590×130×150
4ST-1005	257	590	2.4	8.9	9.5	300×120×140	400×130×150
4ST-1007	293	626	2.7	9.2	9.8	340×120×140	400×130×150
4ST-1010	347	680	3.3	10.6	11.2	390×120×140	410×130×150
4ST-1014	419	782	4.0	12.7	13.6	450×120×140	440×130×150
4ST-1020	527	934	5.0	14.7	15.4	555×120×140	475×130×150
4ST-1028	671	1113	6.4	17.5	18.4	740×120×140	510×130×150
4ST-1040	963	1465	9.4	23.2	24.1	990×120×140	570×130×150



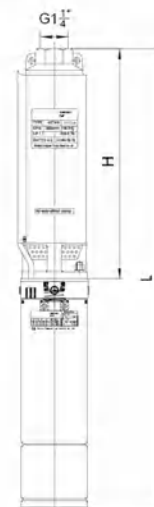
4ST 13

Model	H (mm)	L (mm)	NW (kgs)		GW (kgs)	Packing dimension (mm)	
			H	L		Pump Part	Motor Part
4STm-1305	265	598	2.4	9.9	10.9	300×120×140	410×130×150
4STm-1308	323	676	2.9	11.2	12.1	390×120×140	420×130×150
4STm-1311	382	760	3.4	12.4	13.4	450×120×140	460×130×150
4STm-1316	479	921	4.3	15.3	16.2	515×120×140	510×130×150
4STm-1321	577	1049	5.2	17.6	19.0	645×120×140	540×130×150
4STm-1332	867	1346	7.4	22.2	24.4	990×120×140	590×130×150
4ST-1305	265	598	2.4	8.9	9.9	300×120×140	400×130×150
4ST-1308	323	656	2.9	10.2	11.1	390×120×140	410×130×150
4ST-1311	382	745	3.4	12.1	13.4	450×120×140	440×130×150
4ST-1316	479	886	4.3	14.0	15.4	515×120×140	475×130×150
4ST-1321	577	1019	5.2	16.3	18.2	645×120×140	510×130×150
4ST-1332	867	1331	7.4	21.2	23.4	990×120×140	570×130×150



4ST 18

Model	H (mm)	L (mm)	NW (kgs)		GW (kgs)	Packing dimension (mm)	
			H	L		Pump Part	Motor Part
4STm-1805	279	612	2.5	10.0	10.5	300×120×140	410×130×150
4STm-1807	323	676	2.8	11.1	11.8	390×120×140	420×130×150
4STm-1809	367	745	3.2	12.2	13.0	390×120×140	460×130×150
4STm-1814	478	920	4.2	15.2	16.1	515×120×140	510×130×150
4STm-1818	567	1039	4.9	17.3	18.3	590×120×140	540×130×150
4STm-1827	805	1322	6.9	21.7	23.0	875×120×140	590×130×150
4ST-1805	279	612	2.5	9.0	10.5	300×120×140	400×130×150
4ST-1807	323	656	2.8	10.1	10.8	390×120×140	410×130×150
4ST-1809	367	730	3.2	11.9	13.0	390×120×140	440×130×150
4ST-1814	478	885	4.2	13.9	14.7	515×120×140	475×130×150
4ST-1818	567	1009	4.9	16.0	16.9	590×120×140	510×130×150
4ST-1827	805	1307	6.9	20.7	21.9	875×120×140	570×130×150
+ 4ST-1835	1021	1573	9.1	25.7	26.8	1080×120×140	620×130×150
+ 4ST-1848	1309	1911	11.5	30.5	32.0	1400×120×140	670×130×150

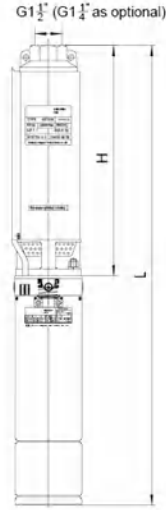


Note: For models that marked + , motor and pump part can't be packaged together.

4ST 25

Model	H (mm)	L (mm)	NW (kgs)		GW (kgs)	Packing dimension (mm)	
			H	L		Pump Part	Motor Part
4STm-2504	267	600	2.4	9.9	10.5	300×120×140	410×130×150
4STm-2506	317	670	2.8	11.1	11.7	340×120×140	420×130×150
4STm-2508	367	745	3.2	12.2	12.9	390×120×140	460×130×150
4STm-2512	467	909	4.1	15.1	16.0	515×120×140	510×130×150
4STm-2516	567	1039	4.9	17.3	18.3	590×120×140	540×130×150
4STm-2524	805	1322	7.0	21.8	22.9	875×120×140	590×130×150
4ST-2504	267	600	2.4	8.9	9.8	300×120×140	400×130×150
4ST-2506	317	650	2.8	10.1	10.7	340×120×140	410×130×150
4ST-2508	367	730	3.2	11.9	12.9	390×120×140	440×130×150
4ST-2512	467	874	4.1	13.8	14.6	515×120×140	475×130×150
4ST-2516	567	1009	4.9	16.0	16.9	590×120×140	510×130×150
4ST-2524	805	1307	7.0	20.8	21.8	875×120×140	570×130×150
* 4ST-2532	1043	1595	9.3	25.9	26.9	1080×120×140	620×130×150
* 4ST-2544	1343	1945	11.9	30.9	32.1	1400×120×140	670×130×150

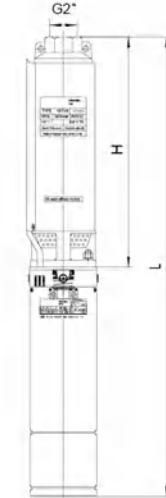
Note: For models that marked * , motor and pump part can't be packaged together.
G1½ outlet as standard, G1¼ available as optional.



4ST 40

Model	H (mm)	L (mm)	NW (kgs)		GW (kgs)	Packing dimension (mm)	
			H	L		Pump Part	Motor Part
4STm-4004	302	680	2.6	11.6	12.4	340×120×140	460×130×150
4STm-4006	364	806	3.2	14.2	15.1	390×120×140	510×130×150
4STm-4008	426	898	3.7	16.1	17.1	450×120×140	540×130×150
4STm-4013	581	1098	5.0	19.8	21.0	645×120×140	590×130×150
4ST-4004	302	665	2.6	11.3	12.4	340×120×140	440×130×150
4ST-4006	364	771	3.2	12.9	13.7	390×120×140	475×130×150
4ST-4008	426	868	3.7	14.8	15.8	450×120×140	510×130×150
4ST-4013	581	1083	5.0	18.8	19.9	645×120×140	570×130×150
4ST-4017	743	1295	6.3	22.9	24.0	780×120×140	620×130×150
4ST-4023	929	1531	7.9	26.9	28.4	990×120×140	670×130×150
* 4ST-4032	1246	1992	10.7	38.0	40.0	1310×120×140	800×130×150

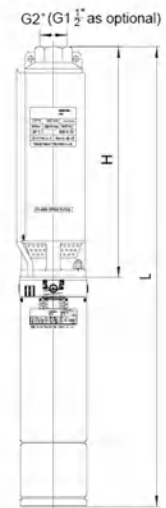
Note: For models that marked * , motor and pump part can't be packaged together.



4ST 35

Model	H (mm)	L (mm)	NW (kgs)		GW (kgs)	Packing dimension (mm)	
			H	L		Pump Part	Motor Part
4STm-3507	395	773	3.4	12.4	13.2	450×120×140	460×130×150
4STm-3510	488	930	4.2	15.2	16.2	515×120×140	510×130×150
4STm-3514	612	1084	5.2	17.6	18.7	645×120×140	540×130×150
4STm-3520	836	1353	7.1	21.9	23.2	875×120×140	590×130×150
4ST-3507	395	758	3.4	12.1	13.2	450×120×140	440×130×150
4ST-3510	488	895	4.2	13.9	14.8	515×120×140	475×130×150
4ST-3514	612	1054	5.2	16.3	17.4	645×120×140	510×130×150
4ST-3520	836	1338	7.1	20.9	22.2	875×120×140	570×130×150
* 4ST-3527	1053	1605	8.9	25.5	27.9	1080×120×140	620×130×150
* 4ST-3536	1370	1972	11.8	30.8	32.4	1400×120×140	670×130×150
* 4ST-3549	1849	2595	15.7	43.0	45.3	1880×120×140	800×130×150

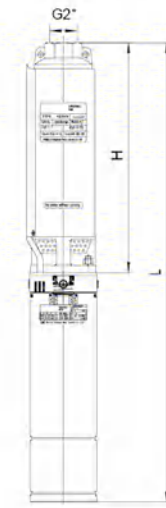
Note: For models that marked * , motor and pump part can't be packaged together.
G2" outlet as standard, G1½ available as optional.



4ST 55

Model	H (mm)	L (mm)	NW (kgs)		GW (kgs)	Packing dimension (mm)	
			H	L		Pump Part	Motor Part
4STm-5507	490	932	4.2	15.2	16.4	515×120×140	510×130×150
4STm-5510	623	1095	5.3	17.7	19.1	645×120×140	540×130×150
4STm-5514	839	1356	7.0	21.8	23.6	875×120×140	590×130×150
4ST-5507	490	897	4.2	13.9	15.0	515×120×140	475×130×150
4ST-5510	623	1065	5.3	16.4	17.7	645×120×140	510×130×150
4ST-5514	839	1341	7.0	20.8	22.6	875×120×140	570×130×150
4ST-5518	1017	1569	8.5	25.1	27.2	1080×120×140	620×130×150
* 4ST-5524	1284	1886	10.7	29.7	32.6	1310×120×140	670×130×150
* 4ST-5532	1754	2500	14.7	42.0	45.3	1880×120×140	800×130×150

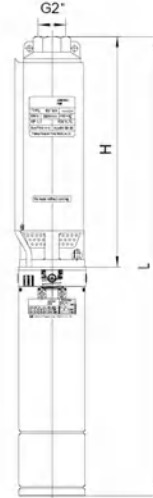
Note: For models that marked * , motor and pump part can't be packaged together.



4ST 60

Model	H (mm)	L (mm)	NW (kgs)		GW (kgs)	Packing dimension (mm)	
			H	L		Pump Part	Motor Part
4STm-6007	542	1014	4.5	16.9	17.9	590×120×140	540×130×150
4STm-6010	698	1215	5.8	20.6	21.7	740×120×140	590×130×150
4ST-6007	542	984	4.5	15.6	16.5	590×120×140	510×130×150
4ST-6010	698	1200	5.8	19.6	20.7	740×120×140	570×130×150
4ST-6014	944	1496	7.8	24.4	25.6	990×120×140	620×130×150
* 4ST-6019	1204	1806	9.9	28.9	30.6	1260×120×140	670×130×150
* 4ST-6026	1682	2428	13.9	41.2	42.9	1720×120×140	800×130×150
* 4ST-6034	2098	2951	17.3	48.7	50.7	2130×120×140	900×130×150

Note: For models that marked * , motor and pump part can't be packaged together.



4ST 80

Model	H (mm)	L (mm)	NW (kgs)		GW (kgs)	Packing dimension (mm)	
			H	L		Pump Part	Motor Part
4STm-8008	680	1197	5.7	20.5	22.8	740×120×140	570×130×150
4ST-8008	680	1182	5.7	19.5	21.6	740×120×140	570×130×150
4ST-8011	883	1435	7.2	23.8	26.5	990×120×140	620×130×150
* 4ST-8015	1153	1755	9.3	28.3	31.5	1230×120×140	670×130×150
* 4ST-8020	1528	2274	12.6	39.9	44.4	1560×120×140	800×130×150
* 4ST-8028	2068	2921	16.7	48.1	53.3	2130×120×140	900×130×150

Note: For models that marked * , motor and pump part can't be packaged together.



Features

- Oil filled electric motor for 4" borehole pumps
- Mounting flange in compliance with NEMA standards
- High efficient motor design with allowance of wide voltage fluctuation
- Stainless steel motor casing, shaft, top cover and bottom
- CE approved cable
- Unique single-phase electrical design for PSC starting
- High quality mechanical seal from Italy
- 100% tested before delivery

General Specifications

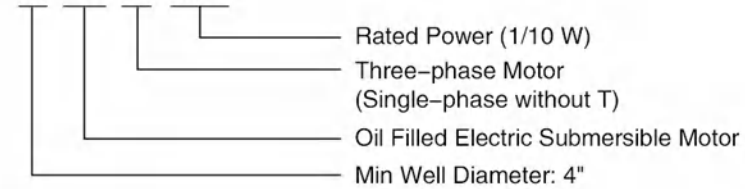
- Protection class: IP 68
- Insulation class: F
- Rated voltage: 220 V, 230 V or 380 V
- Cable length: 1.7 - 2.9 m

Operating Conditions

- Max immersion: 120 m
- Voltage variation: +/-10%
- Cooling flow rate: 8cm/sec
- Max water temperature: 40°C
- Max solid content: 0.3%
- Max chlorine content: 400 mg/L
- PH value: 6 - 9
- Max starts: 30 times/h
- Axial thrust: 2000 N (0.37 kW - 1.1 kW); 3000 N (1.5 kW and 2.2 kW); 4500 N (3 kW and 4 kW); 6500 N (5.5 kW and 7.5 kW)

Identification Codes

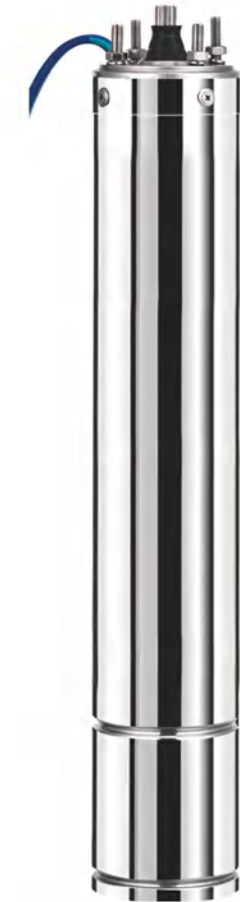
4 M T 037



Technical Data

Single-phase Motors 50 Hz

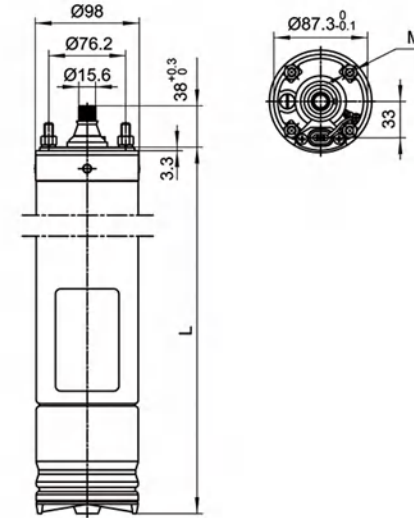
No.	Model	V	Hz	Power		In A	Istart A	PF cos φ	Effi η %	Rated Torque N.m	Rated Speed RPM	Capacitor μ F/450V	Cable	
				kW	HP								mm ²	m
1	4M037	230	50	0.37	0.5	3.5	7.7	0.93	58	1.24	2850	15	1.5	1.7
2	4M055			0.55	0.75	4.7	12.9	0.95	58	1.84	2850	20	1.5	1.7
3	4M075			0.75	1	6.1	19.5	0.95	61	2.5	2850	30	1.5	1.7
4	4M110			1.1	1.5	8.1	26.7	0.96	64	3.6	2840	35	1.5	1.7
5	4M150			1.5	2	9.8	30.8	0.96	67	5	2840	45	2	2.5
6	4M220			2.2	3	13.8	41.4	0.96	68	7.35	2840	50	2	2.5



Dimension & Weight

Three-phase Motors 50 Hz

No.	Model	V	Hz	Power		In A	Istart A	PF cos φ	Effi η %	Rated Torque N.m	Rated Speed RPM	Cable	
				kW	HP							mm ²	m
1	4MT037	400	50	0.37	0.5	1.2	4.4	0.77	56	1.24	2770	1.5	1.7
2	4MT055			0.55	0.75	1.8	5.6	0.77	59	1.84	2770	1.5	1.7
3	4MT075			0.75	1	2.3	10	0.78	62	2.5	2800	1.5	1.7
4	4MT110			1.1	1.5	3.1	14.0	0.79	66	3.6	2820	1.5	1.7
5	4MT150			1.5	2	4.0	19.2	0.79	68	5	2830	1.5	1.7
6	4MT220			2.2	3	5.8	29.2	0.78	70	7.35	2840	1.5	1.7
7	4MT300			3	4	7.6	36.4	0.81	71	10	2840	2	2.5
8	4MT400			4	5.5	9.8	47.2	0.80	72	13.4	2830	2	2.5
9	4MT550			5.5	7.5	14.2	67	0.79	73	18.4	2860	2	2.5
10	4MT750			7.5	10	18.1	90	0.80	74	25	2850	2	2.9



Model	Voltage V	f Hz	Power		N.W kg	G.W kg	Dimension mm	Packaging Dimension (LxWxH) mm
			kW	HP				
4M037	230	50	0.37	0.5	8.2	8.8	Φ98x371	410x130x150
4M055			0.55	0.75	9.0	9.6	Φ98x391	420x130x150
4M075			0.75	1	9.7	10.5	Φ98x416	460x130x150
4M110			1.1	1.5	10.7	11.4	Φ98x480	510x130x150
4M150			1.5	2	12.1	12.9	Φ98x510	540x130x150
4M220			2.2	3	14.5	15.6	Φ98x555	590x130x150
4MT037	400	50	0.37	0.5	7.0	7.6	Φ98x371	400x130x150
4MT055			0.55	0.75	8.0	8.7	Φ98x371	410x130x150
4MT075			0.75	1	9.4	10.1	Φ98x401	440x130x150
4MT110			1.1	1.5	9.7	10.3	Φ98x445	475x130x150
4MT150			1.5	2	10.8	11.5	Φ98x480	510x130x150
4MT220			2.2	3	13.5	14.5	Φ98x540	570x130x150
4MT300			3	4	16.3	17.4	Φ98x590	620x130x150
4MT400			4	5.5	18.7	19.9	Φ98x640	670x130x150
4MT550			5.5	7.5	27.0	28.2	Φ98x784	800x130x150
4MT750			7.5	10	31.1	32.5	Φ98x891	900x130x150

Materials Table

Item No.	Part	Material
1	Cable	
2	O'ring	NBR
3	Bearing	Bearing Ball Bearing
4	Stator	
5	Rotor	Shaft : AISI 304SS
6	Bearing house	Aluminum
7	Pressure regulator	NBR
8	End plate	ABS
9	Sand guard	NBR
10	Cap	AISI304SS
11	Upper support	Cast Iron
12	Mechanical seal	Carbon-Ceramic
13	Guard ring	Plastic
14	Motor casing	AISI304SS
15	Bearing	Angular contact bearing
16	End cover	AISI304SS

