

DEEP WELL PUMP

*The number of impeller stages covers 7-38 stages
to meet the head requirements of different use environments*



SEM DEEP WELL PUMP

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Product
Info



DEEP WELL PUMP

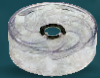
PRODUCT SERIES



Diffuser cover/PC



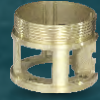
Impeller/POM



Diffuser/PC



Brass



Connector/Brass



Cast-iron



Connector/H57

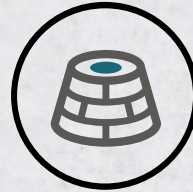
- Built-in capacitor, the capacitor is installed in the motor cavity
- SEM with brass outlet, brass connection
- SEM-T with cast iron outlet, cast iron connection



DOMESTIC WATER



HIGH-RISE WATER SUPPLY



DEEP WELL WATER INTAKE

SEM

DEEP WELL PUMP

The deep well pump has the advantages of simple structure, high unit efficiency, low noise, safe and reliable operation, convenient installation and maintenance.



SEM

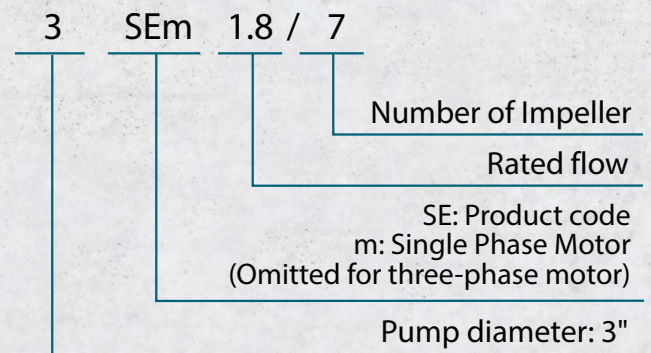
DEEP WELL PUMP

DEEP WELL PUMP

Suitable for use with clean water with a sand content of no more than 150g/m³. As a result of their high efficiency and reliability they are suitable for use in domestic, civil and industrial applications such as for the distribution of water in combination with pressure sets, for irrigation, for washing plants and for pressure boosting on fire-fighting sets, etc.



MODEL INSTRUCTION



PUMP CONFIGURATION

- Pump body: **Stainless steel**;
- Impeller: Plastic POM;
- Motor shaft: 45# steel or 304 stainless steel;
- Mechanical seal: Ceramic-graphite or Sic to graphite;

PUMP FEATURES

- High temperature resistance and good sealing
- Excellent anti-sand and anti-wear performance
- The separate design of the motor and the pump body
- Low noise, No leakage.

APPLICATION LIMITS

- The volume ratio of solid impurities in the medium is not more than 0.25%
- Maximum liquid temperature + 40 °C;
- The PH value of the medium is between 6.5-8.5;

TECHNICAL SPECIFICATIONS

Max.Power Up to 2.2kW	Max.Flow 400 l/min	Max.Head 283 m	Max Depth 120 m	Maximum Liquid temperature +40°C
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INTRODUCTION: 6 ADVANTAGES

The Split type design of motor and pump, which is convenient for maintenance and repair, and the overall outer cylinder structure, which can prevent water leakage between stages and ensure efficient running of the pump



Protection: IP 68



Insulation: Class B



Overload protection



Low-noise operation



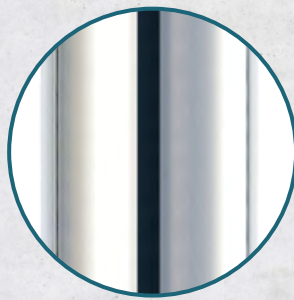
Energy efficient



Easy maintenance

INTRODUCTION: STAINLESS STEEL

Motor , pump body and fasteners are all made of high-grade stainless steel, beautiful and elegant, corrosion-resistant and durable.



STAINLESS STEEL, RUST-FREE



INTRODUCTION: PUMP CONFIGURATION

The motor has a built-in large compensation volume regulating oil bladder, when the pressure inside the motor cavity changes due to the rise of the motor running oil temperature, the pressure inside and outside the motor cavity is automatically adjusted by the regulating oil bladder to make it reach a balance and expand the diving range of the motor.



304 stainless steel shaft
High precision machining,
smooth running, good durability.



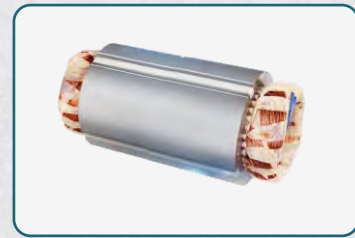
Stainless steel strainer
Dense strainer mesh for effective
filtration of impurities such as water
plants and silt.



Pressure regulating oil bladder
Balanced internal and external
pressure to protect motor running
temperature



Floating impeller
To make pumps with excellent sand
and wear resistance.

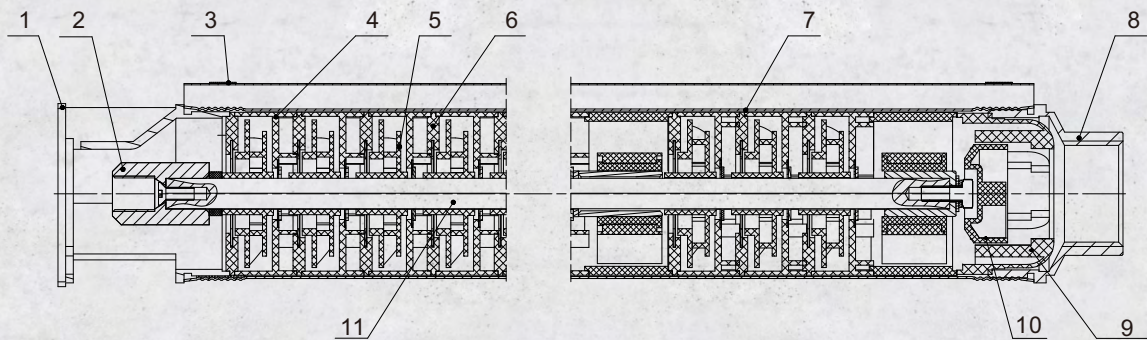


Copper wire motor
Copper wire coil,
cold rolled silicon steel sheet



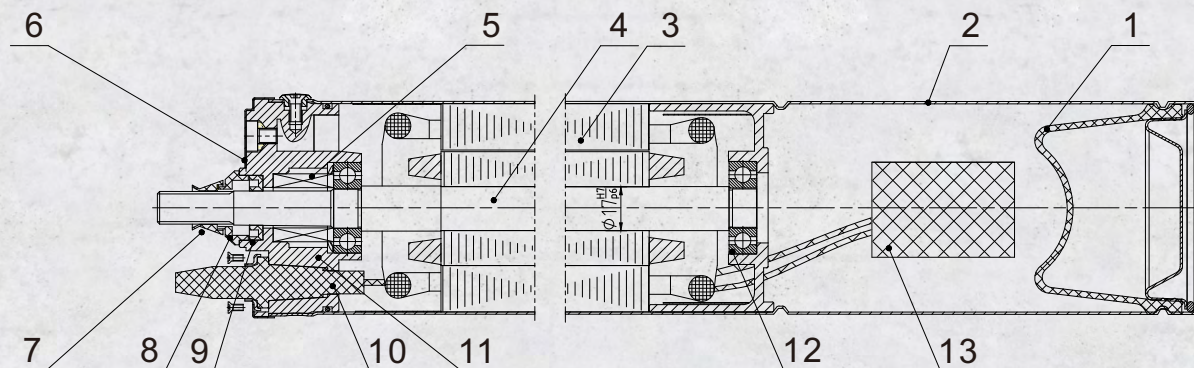
Skeleton oil seal
Good sealing performance,
good durability,
good spring anti-rust performance.

INTRODUCTION: PUMP BODY CONFIGURATION



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	WATER INLET JOINT	Cast iron or brass
2	COUPLING	Connect the pump body and motor
3	CABLE PROTECTOR	For fixing cable
4	GUIDE VANE	PC and stainless steel insert
5	IMPELLER	Plastic POM
6	GUIDE VANE COVER	PC and stainless steel insert
7	PUMP CASING	Stainless steel
8	OUTLET	Cast iron or brass
9	CHECK VALVE SEAT	Load-bearing check valves
10	CHECK VALVE	Prevent water impact and sediment backflow
11	PUMP SHAFT	Stainless steel or 45# steel

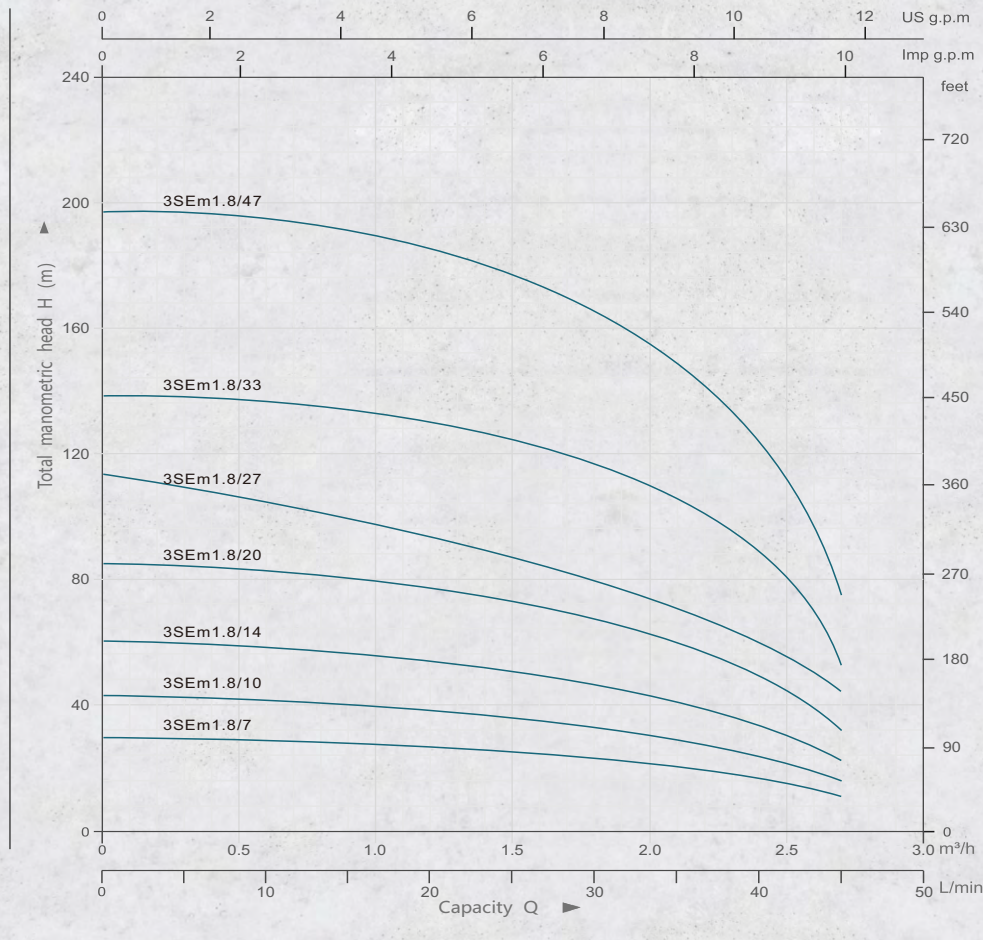
INTRODUCTION: PUMP MOTOR CONFIGURATION



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	OIL NANG	Pressure regulating oil bladder, balanced internal and external pressure
2	BARREL	Stainless steel
3	STATOR	Stator core with winding
4	ROTOR	Stainless steel or 45# steel
5	MECHANICAL SEAL	Ceramic- graphite or Sic to graphite
6	OIL CHAMBER COVER	Protects the oil chamber and against sand
7	WATER THROWING RING	Anti-sand assembly
8	SAND CONTROL SEAT	Anti-sand assembly
9	SKELETON OIL SEAL	Dustproof parts of motor
10	CABLE	100% copper wire core, One-piece vulcanized joint
11	OIL CHAMBER	1. Bearing, skeleton oil seal, mechanical seal carrier 2. Pump body load-bearing carrier 3. Motor sealing carrier
12	BEARING	Deep groove ball bearings
13	CAPACITOR	Electronic Components



Performance curve



Technical parameters list

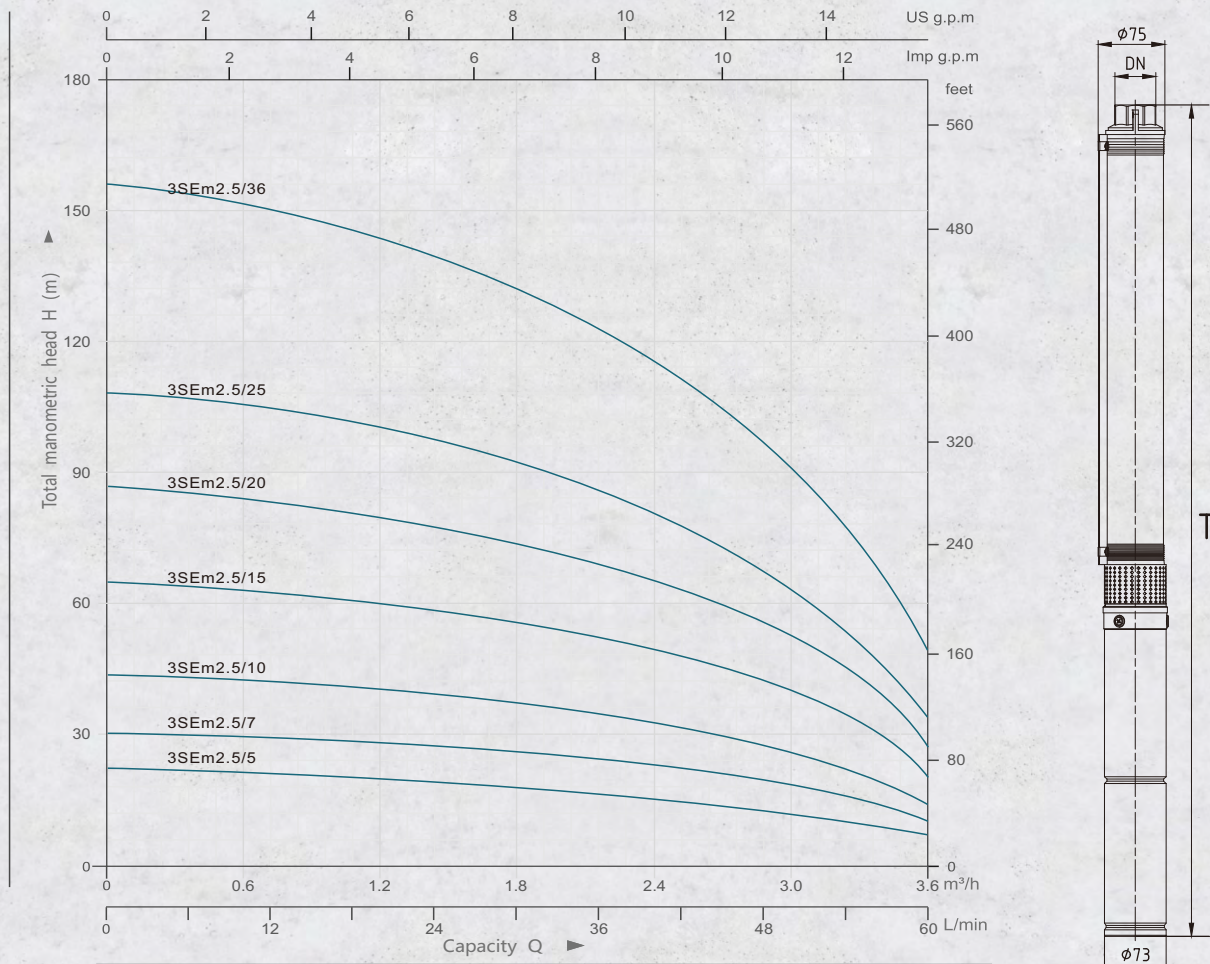
Model	T	Size	Power	Q(m³/h)	0	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
	mm	Inch	kW		Q(L/min)	0	10	15	20	25	30	35	40
3SEm1.8/7(T)	660	1"/1¼"	0.18	H(m)	30	28	27	27	26	23	20	16	11
3SEm1.8/10(T)	738	1"/1¼"	0.25		43	41	40	39	36	33	29	23	16
3SEm1.8/14(T)	873	1"/1¼"	0.37		60	57	56	54	52	46	40	31	23
3SEm1.8/20(T)	1062	1"/1¼"	0.55		85	81	79	78	69	66	52	36	32
3SEm1.8/27(T)	1259	1"/1¼"	0.75		113	108	98	94	90	85	58	48	44
3SEm1.8/33(T)	1501	1"/1¼"	1.1		138	136	134	130	114	108	86	59	53
3SEm1.8/47(T)	1930	1"/1¼"	1.5		197	193	190	185	162	155	122	85	75



SEM

DEEP WELL PUMP

Performance curve



Technical parameters list

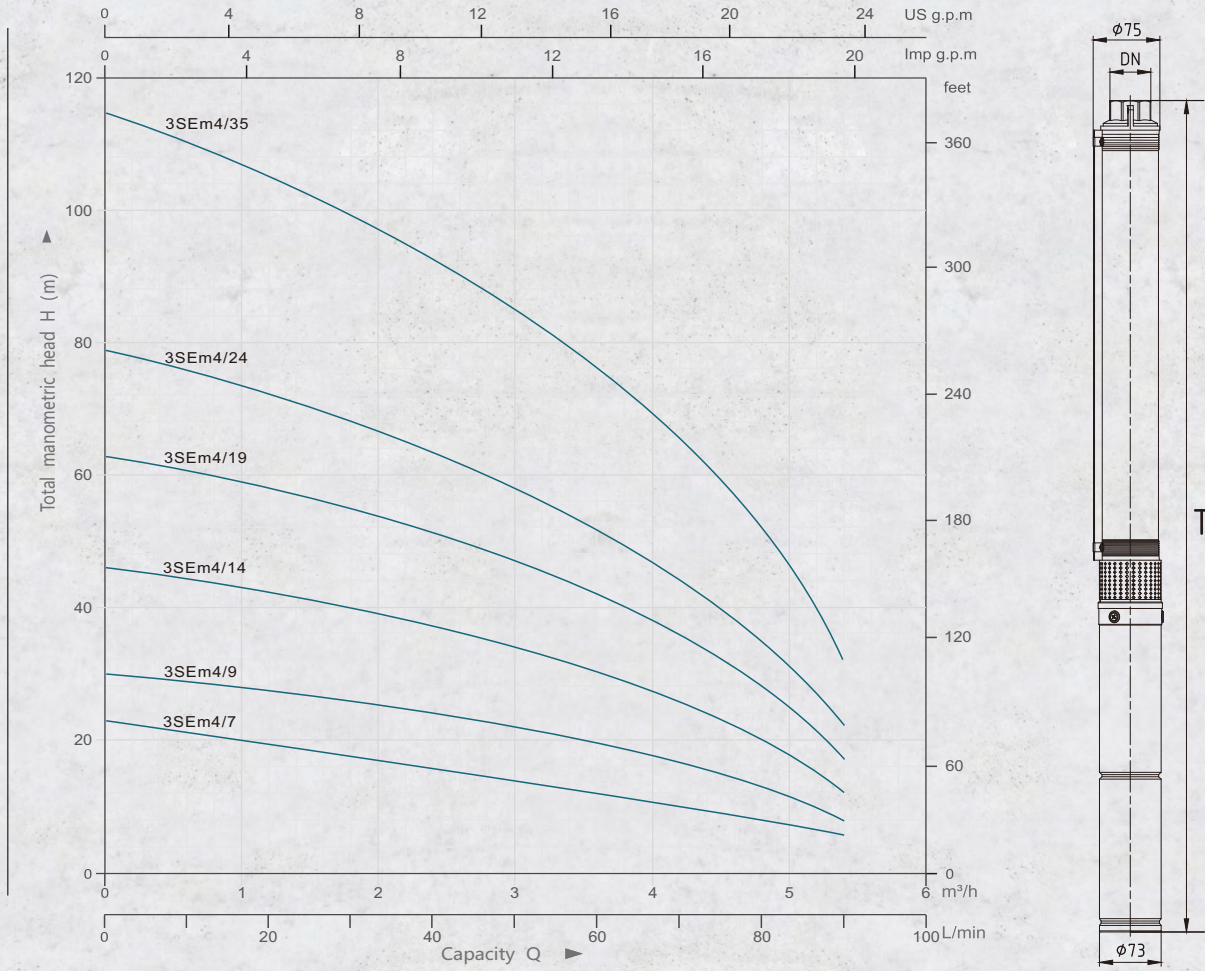
Model	T	Size	Power	Q(m³/h)	0	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	3.6
	mm	Inch	kW	Q(L/min)	0	10	15	20	25	30	35	40	45	50	55	60
3SEm2.5/5(T)	633	1"/1¼"	0.18	H(m)	22	21	20	20	19	18	17	16	14	12	10	7
3SEm2.5/7(T)	696	1"/1¼"	0.25		30	29	29	28	27	26	24	22	20	17	14	10
3SEm2.5/10(T)	819	1"/1¼"	0.37		43	42	41	40	38	37	34	32	28	24	20	14
3SEm2.5/15(T)	980	1"/1¼"	0.55		65	63	61	60	57	55	52	47	42	37	30	20
3SEm2.5/20(T)	1174	1"/1¼"	0.75		87	83	82	79	77	73	69	63	57	49	39	27
3SEm2.5/25(T)	1388	1"/1¼"	1.1		108	103	102	99	96	92	86	79	71	61	49	34
3SEm2.5/36(T)	1789	1"/1¼"	1.5		156	148	147	143	138	132	124	114	102	88	71	49



SEM

DEEP WELL PUMP

Performance curve



Technical parameters list

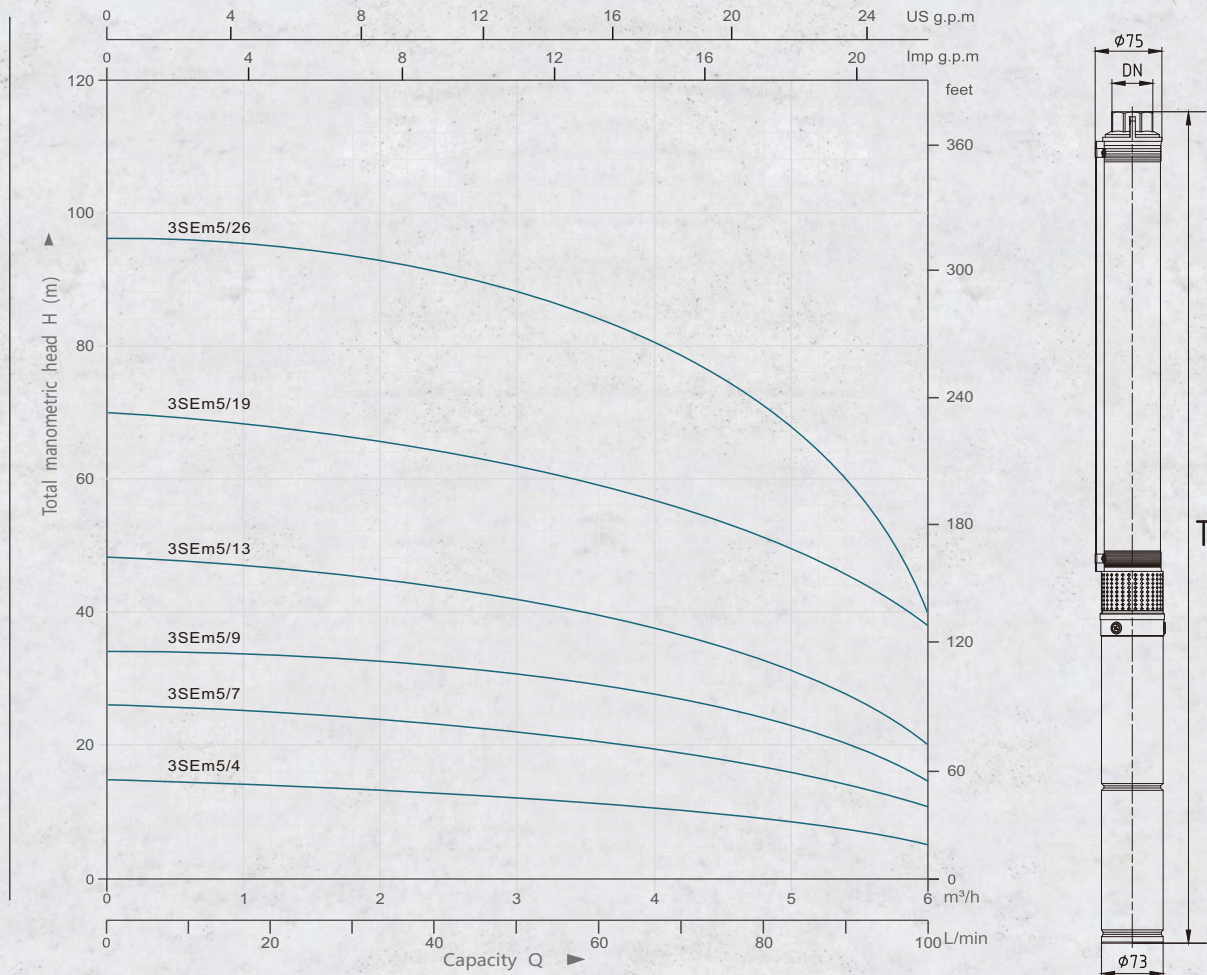
Model	T	Size	Power	Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
	mm	Inch	kW	Q(L/min)	0	10	20	30	40	50	60	70	80	90
3SEm4/7(T)	793	1"/1¼"/1½"	0.25	H(m)	23	18	17	16	15	14	12	9	8	5
3SEm4/9(T)	908	1"/1¼"/1½"	0.37		30	28	27	26	24	22	19	15	12	8
3SEm4/14(T)	1152	1"/1¼"/1½"	0.55		46	44	42	40	37	34	30	24	19	12
3SEm4/19(T)	1369	1"/1¼"/1½"	0.75		63	61	57	54	50	47	41	34	27	17
3SEm4/24(T)	1629	1"/1¼"/1½"	1.1		79	77	72	68	64	58	52	43	35	22
3SEm4/35(T)	2145	1"/1¼"/1½"	1.5		115	112	105	99	93	85	76	63	51	32



SEM

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Performance curve



Technical parameters list

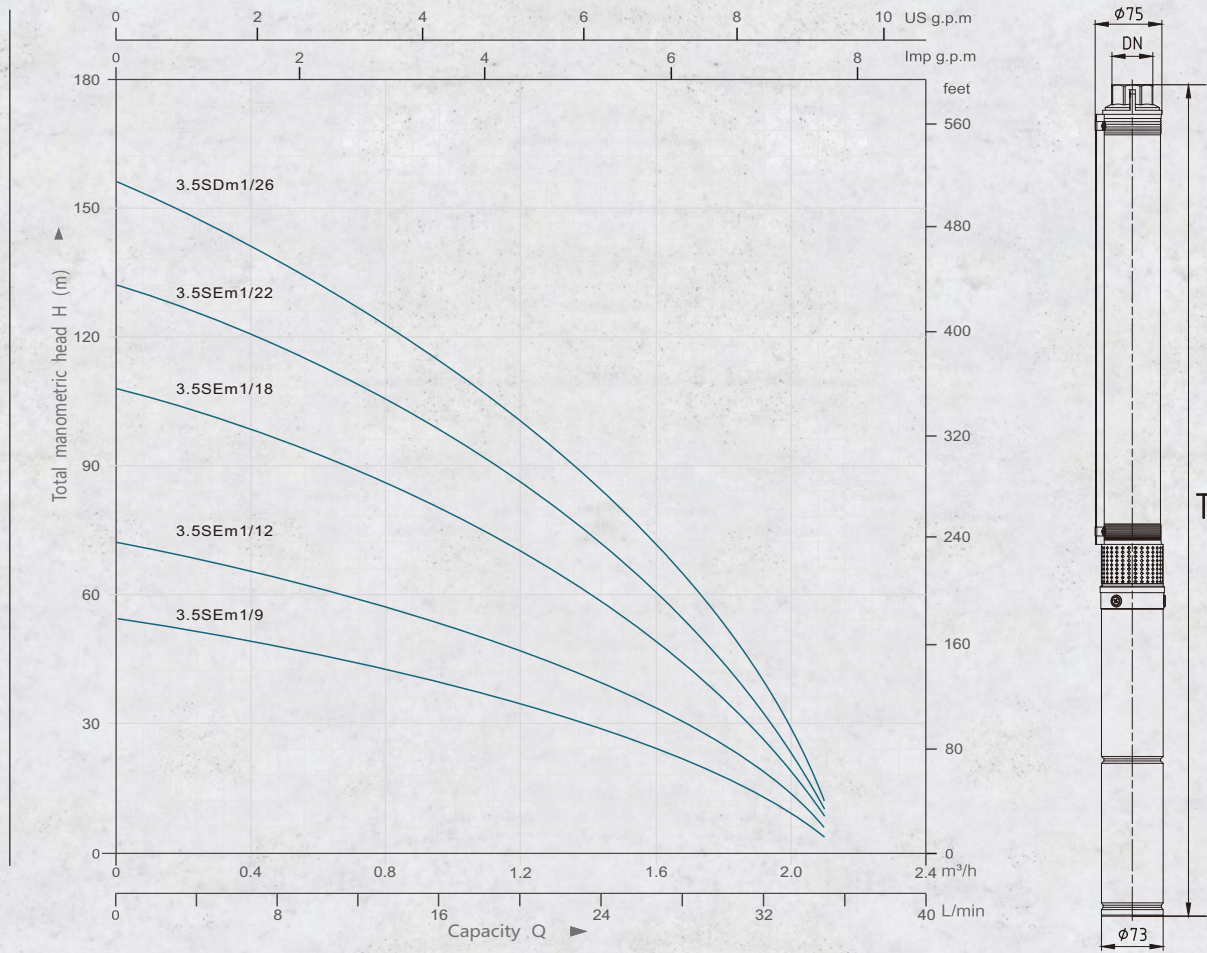
Model	T	Size	Power	Q(m³/h)	0	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
	mm	Inch	kW		Q(L/min)	0	20	30	40	50	60	70	80	90
3SEm5/4(T)	712	1"1¼"/1½"	0.25	H(m)	15	14	13	13	12	11	11	10	7	5
3SEm5/7(T)	883	1"1¼"/1½"	0.37		26	25	24	23	22	21	20	18	12	11
3SEm5/9(T)	997	1"1¼"/1½"	0.55		34	33	33	32	31	30	28	25	22	15
3SEm5/13(T)	1205	1"1¼"/1½"	0.75		48	46	45	43	42	40	36	35	32	20
3SEm5/19(T)	1575	1"1¼"/1½"	1.1		70	69	68	64	62	60	58	52	46	38
3SEm5/26(T)	1959	1"1¼"/1½"	1.5		96	94	93	90	88	86	80	74	63	40



SEM

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Performance curve



Technical parameters list

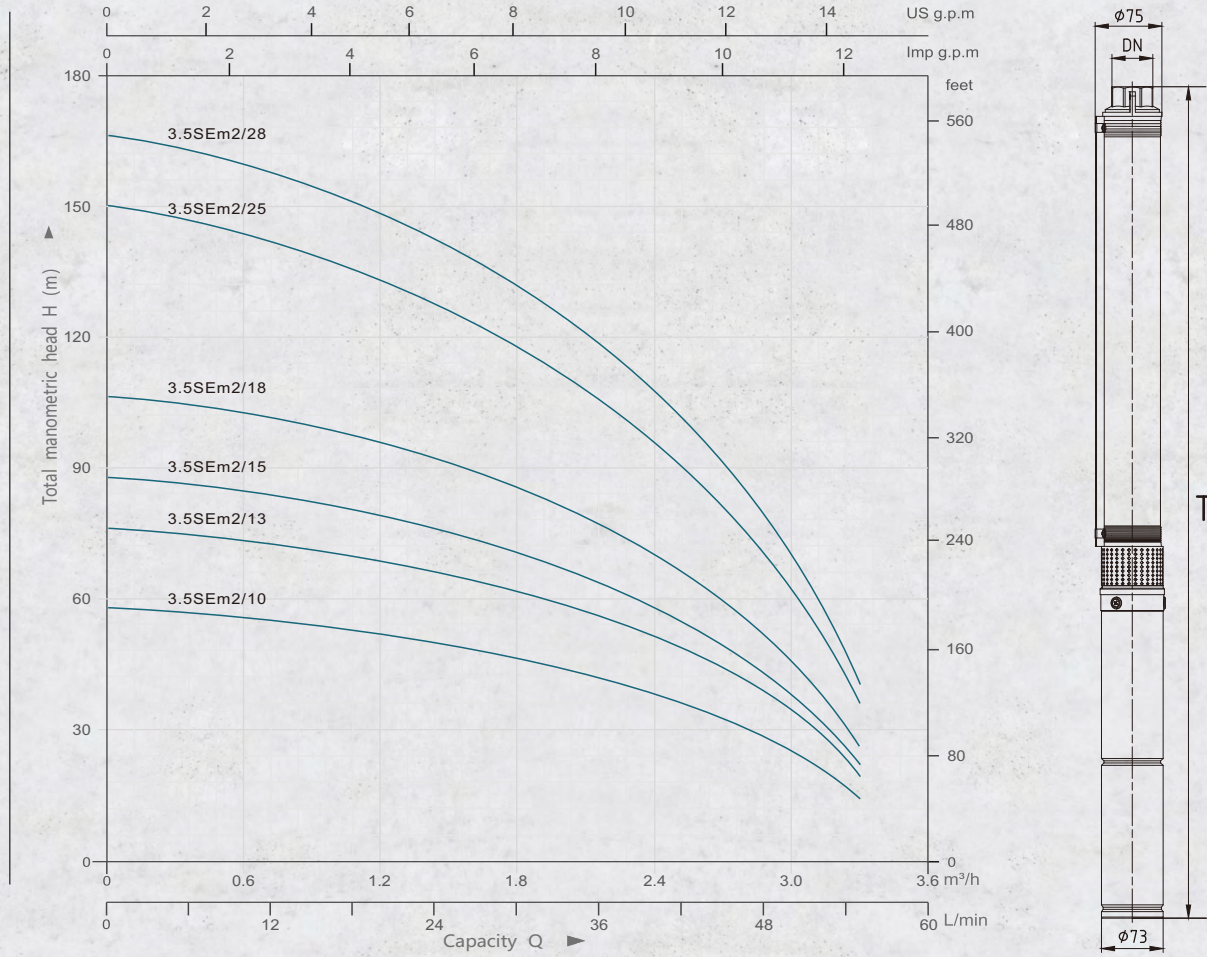
Model	T	Size	Power	Q(m ³ /h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
	mm	Inch	kW	Q(L/min)	0	5	10	15	20	25	30	35
3.5SEm1/9(T)	765	1¼"/1½"	0.37	H(m)	54	51	45	40	35	24	16	4
3.5SEm1/12(T)	868	1¼"/1½"	0.55		72	68	60	53	47	32	21	6
3.5SEm1/18(T)	1049	1¼"/1½"	0.75		108	102	90	80	70	48	32	8
3.5SEm1/22(T)	1205	1¼"/1½"	1.1		132	125	110	98	86	59	39	10
3.5SEm1/26(T)	1349	1¼"/1½"	1.5		156	147	130	116	101	69	46	12



SEM

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Performance curve



Technical parameters list

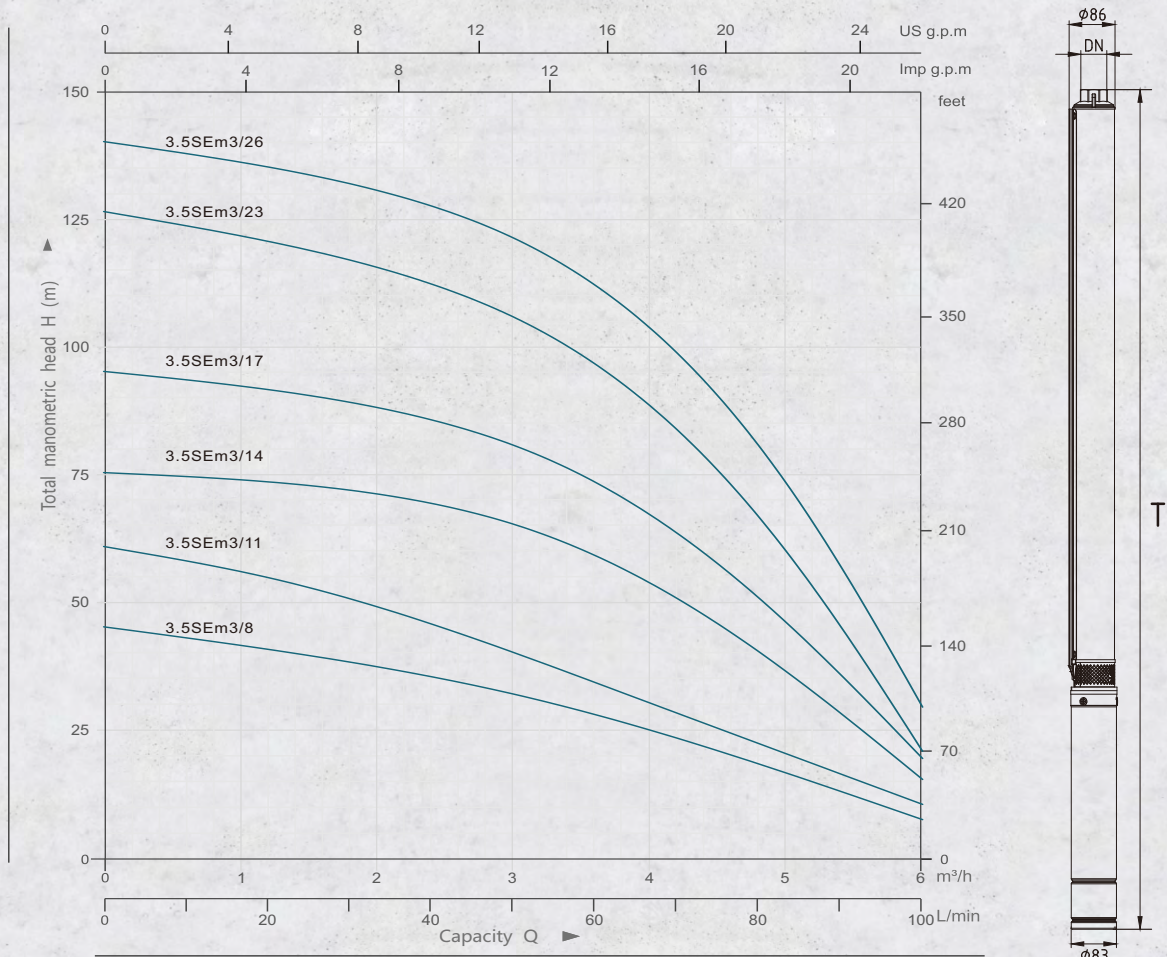
Model	T	Size	Power	Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3
	mm	Inch	kW	Q(L/min)	0	5	10	15	20	25	30	35	40	45	50	55
3.5SEm2/10(T)	820	1¼"/1½"	0.37	H(m)	58	59	58	57	54	51	47	42	37	30	23	14
3.5SEm2/13(T)	924	1¼"/1½"	0.55		76	77	76	74	71	67	61	55	48	40	30	19
3.5SEm2/15(T)	1002	1¼"/1½"	0.9		88	89	88	85	82	77	71	64	55	46	35	22
3.5SEm2/18(T)	1131.5	1¼"/1½"	1.1		107	107	105	102	98	92	85	76	66	55	42	26
3.5SEm2/25(T)	1356.5	1¼"/1½"	1.5		150	148	146	142	136	128	118	106	92	76	58	36
3.5SEm2/28(T)	1496	1¼"/1½"	1.8		166	166	164	159	152	143	132	119	103	85	65	40



SEM

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Performance curve



Technical parameters list

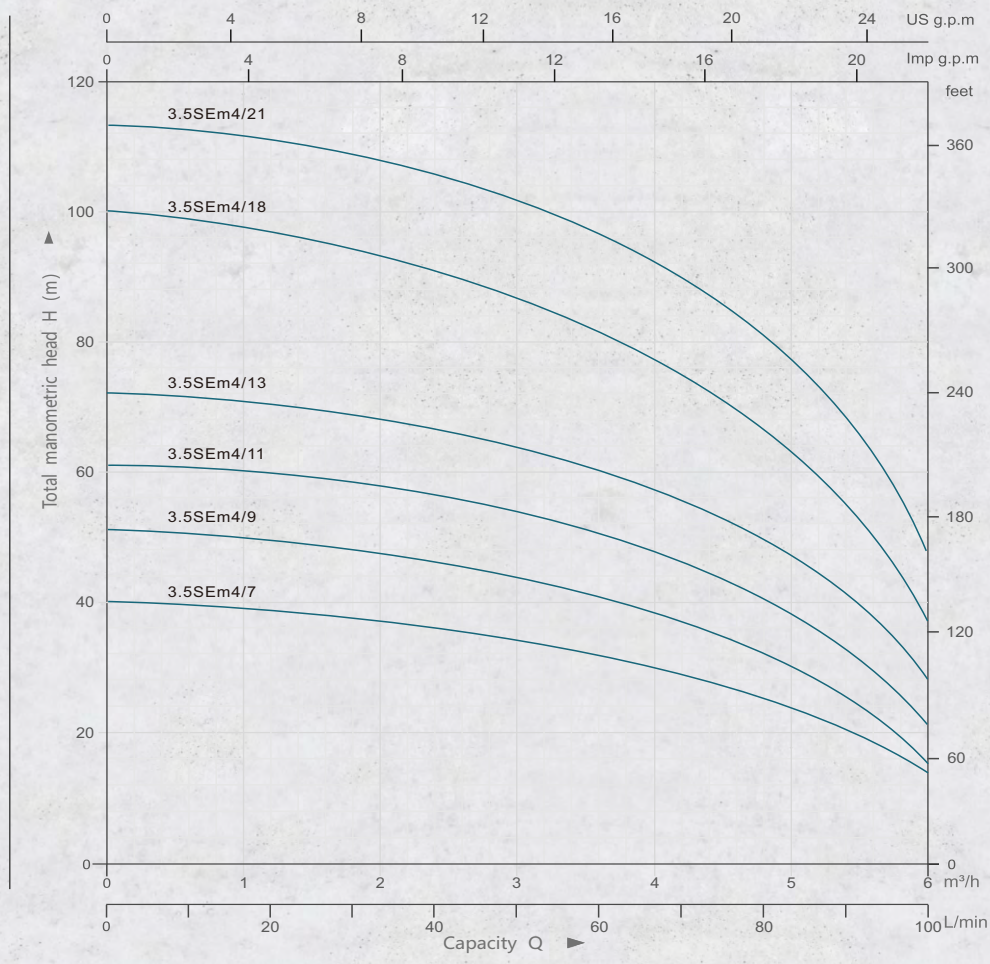
Model	T	Size	Power	Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
	mm	Inch	kW	Q(L/min)	0	10	20	30	40	50	60	70	80	90	100
3.5SEm3/8(T)	786.5	1¼"/1½"	0.37	H(m)	45	44	43	42	36	32	27	23	18	12	8
3.5SEm3/11(T)	898.5	1¼"/1½"	0.55		61	58	56	46	43	38	36	30	21	16.5	11
3.5SEm3/14(T)	1000	1¼"/1½"	0.75		76	75	74	72	70	66	60	52	40	28	16
3.5SEm3/17(T)	1147	1¼"/1½"	1.1		94	92	91	90	86	83	75	65	50	33	20
3.5SEm3/23(T)	1360.5	1¼"/1½"	1.5		126	122	120	117	110	106	96	82	65	40	21
3.5SEm3/26(T)	1477.5	1¼"/1½"	1.8		140	138	135	132	130	124	112	98	78	52	30



SEM

DEEP WELL PUMP

Performance curve



Technical parameters list

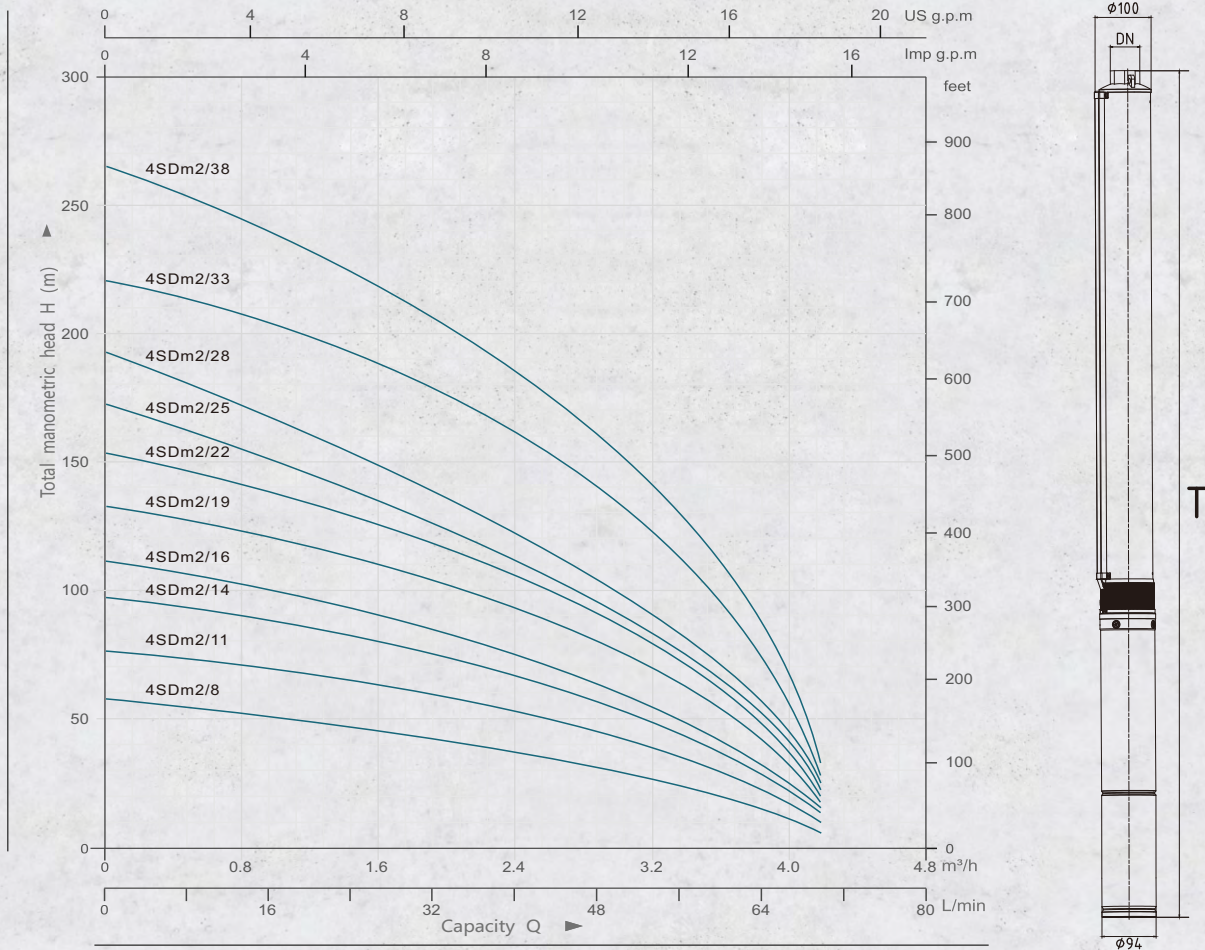
Model	T	Size	Power	Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
	mm	Inch	kW	Q(L/min)	0	10	20	30	40	50	60	70	80	90	100
3.5SEm4/7(T)	758	1¼"/1½"	0.37	H(m)	40	39	38	37	36	34	32	30	24	22	14
3.5SEm4/9(T)	840.5	1¼"/1½"	0.55		51	50	48	47	46	44	41	38	32	24	15
3.5SEm4/11(T)	913.5	1¼"/1½"	0.75		61	60	59	58	57	54	51	47	40	32	21
3.5SEm4/13(T)	1001.5	1¼"/1½"	1.1		72	71	69	68	66	64	60	54	48	39	28
3.5SEm4/18(T)	1216	1¼"/1½"	1.5		100	97	95	93	92	87	82	76	65	53	37
3.5SEm4/21(T)	1332.5	1¼"/1½"	1.5		113	111	109	107	106	102	96	88	77	63	48



SEM

DEEP WELL PUMP

Performance curve



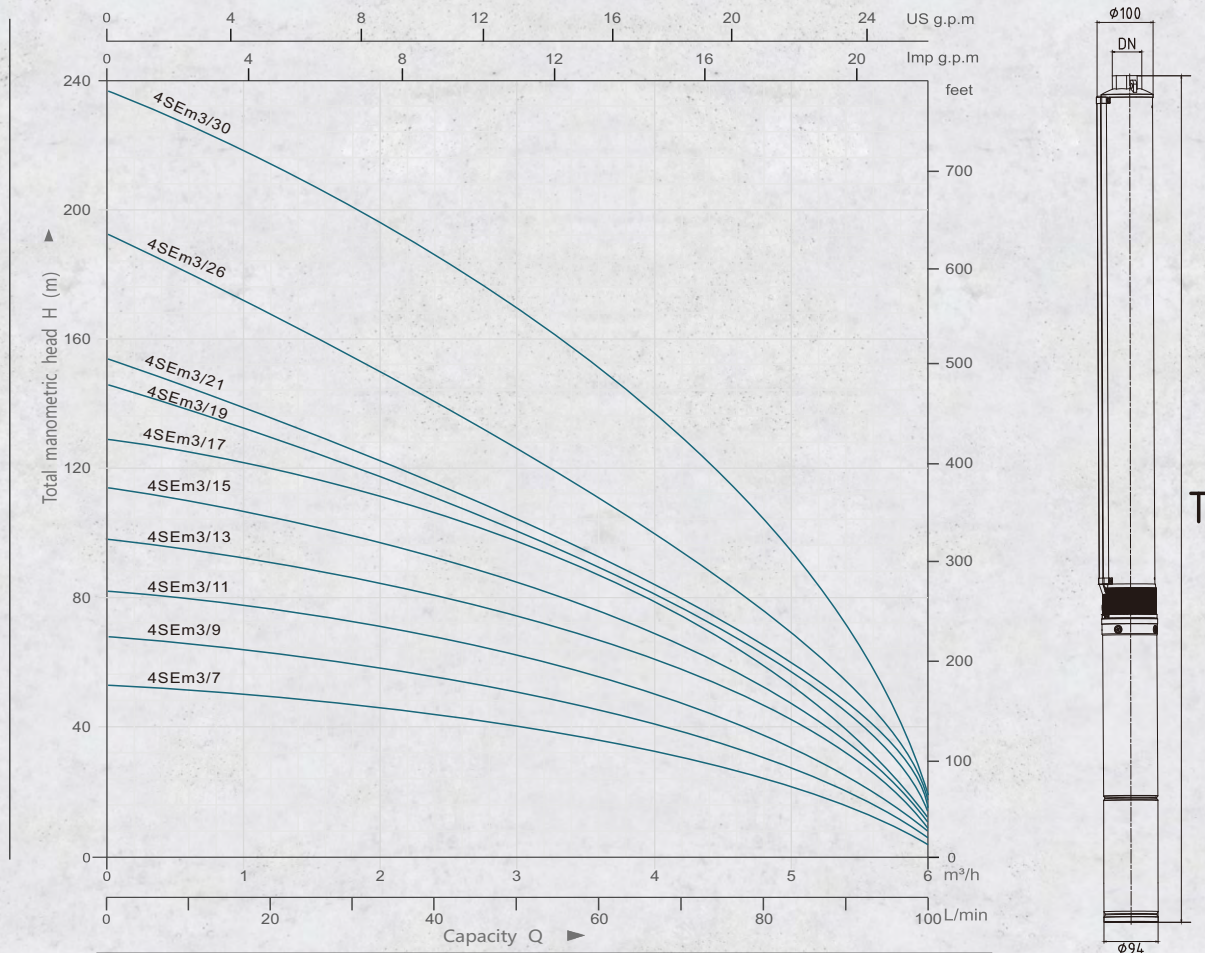
Technical parameters list

Model	T	Size	Power	Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2
	mm	Inch	kW	Q(L/min)	0	10	20	30	40	50	60	70
4SEm2/8(T)	766	1¼"/1½"/2"	0.37	H(m)	58	55	52	46	38	27	18	6
4SEm2/11(T)	860	1¼"/1½"/2"	0.55		77	75	69	62	53	42	25	10
4SEm2/14(T)	954	1¼"/1½"/2"	0.75		98	92	87	79	68	55	31	14
4SEm2/16(T)	1035	1¼"/1½"/2"	0.75		111	103	97	88	75	60	36	16
4SEm2/19(T)	1144	1¼"/1½"/2"	1.1		132	125	118	107	93	73	43	18
4SEm2/22(T)	1218	1¼"/1½"/2"	1.1		153	144	136	124	107	79	50	20
4SEm2/25(T)	1352	1¼"/1½"/2"	1.5		172	158	145	132	112	89	60	23
4SEm2/28(T)	1427	1¼"/1½"/2"	1.5		193	182	170	155	132	108	70	25
4SEm2/33(T)	1647	1¼"/1½"/2"	2.2		230	218	203	187	161	125	83	28
4SEm2/38(T)	1803	1¼"/1½"/2"	2.2		265	251	234	215	185	144	95	33


SEM

DEEP WELL PUMP

Performance curve



Technical parameters list

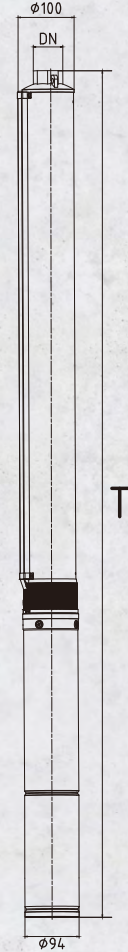
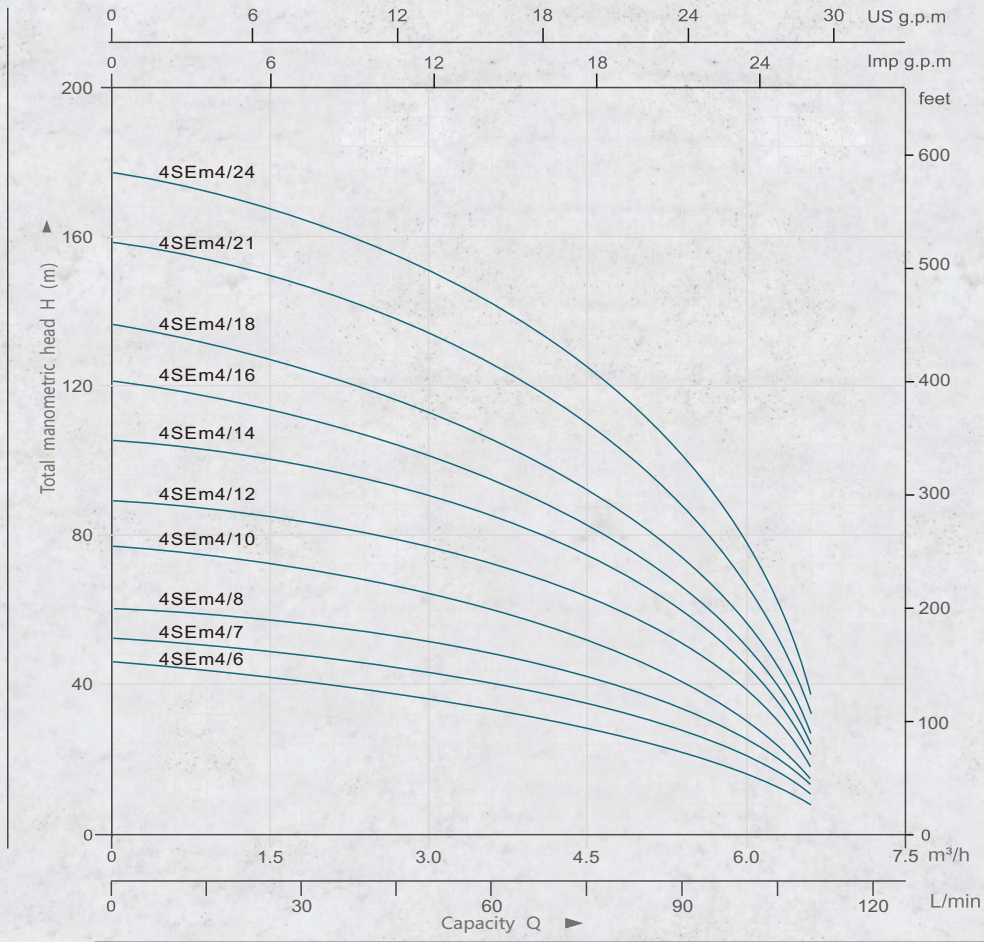
Model	T	Size	Power	Q(m³/h)	0	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
	mm	Inch	kW	Q(L/min)	0	30	40	50	60	70	80	90	100
4SEm3/7(T)	750	1¼"/1½"/2"	0.37	H(m)	53	46	42	40	34	28	22	13	4
4SEm3/9(T)	822	1¼"/1½"/2"	0.55		68	59	54	51	44	36.3	29	17	6
4SEm3/11(T)	894	1¼"/1½"/2"	0.75		82	73	66	62	54	44	35	21	8
4SEm3/13(T)	946	1¼"/1½"/2"	0.75		98	85	78	74	63	53	42	24	9
4SEm3/15(T)	1064	1¼"/1½"/2"	1.1		114	98	90	85	73	61	48	28	11
4SEm3/17(T)	1116	1¼"/1½"/2"	1.1		129	111	102	97	83	69	54	32	12
4SEm3/19(T)	1228	1¼"/1½"/2"	1.5		144	123	114	100	85	77	60	36	13
4SEm3/21(T)	1280	1¼"/1½"/2"	1.5		154	128	118	104	88	85	67	39	15
4SEm3/26(T)	1475	1¼"/1½"/2"	2.2		192	154	140	126	110	105	83	49	18
4SEm3/30(T)	1611	1¼"/1½"/2"	2.2		227	196	180	170	146	121	95	56	21



SEM

DEEP WELL PUMP

Performance curve

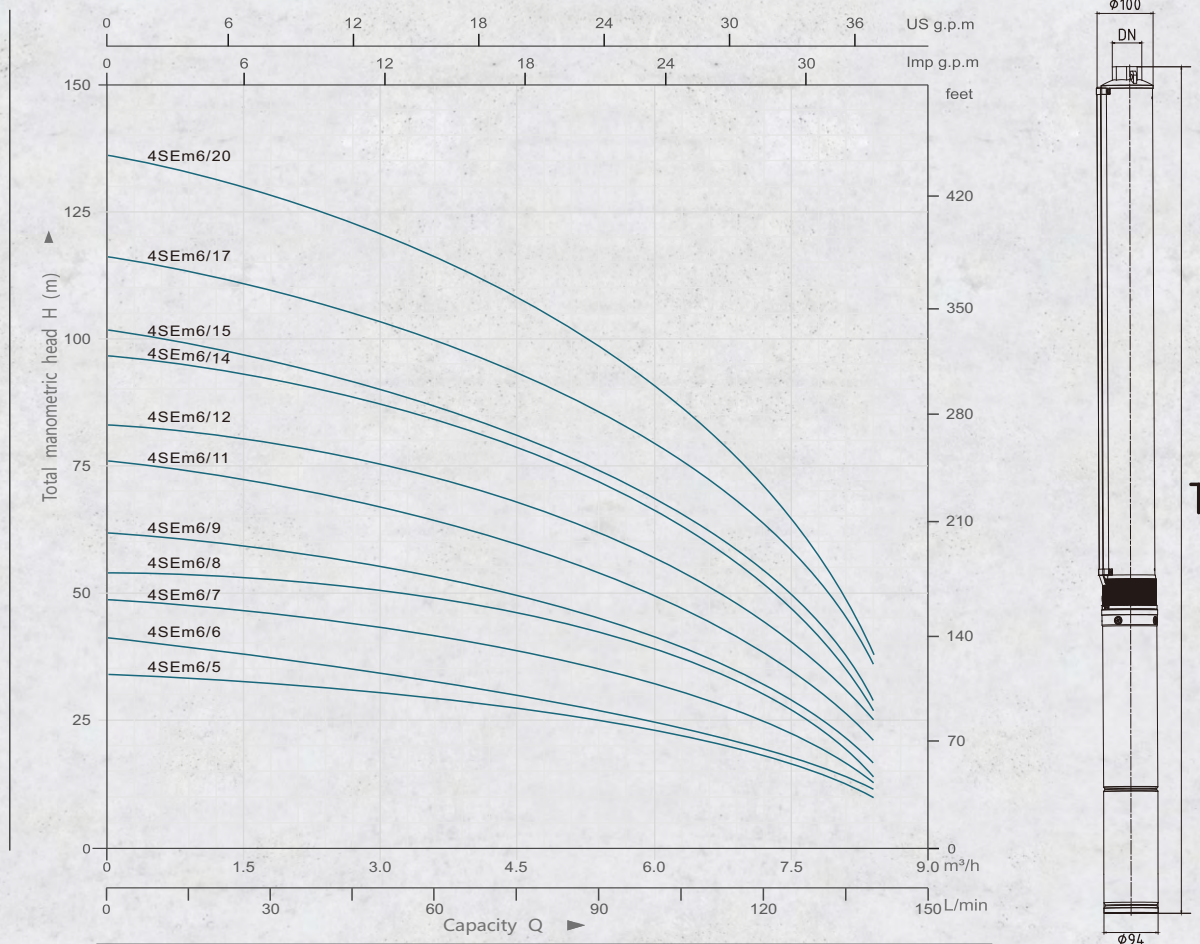


Technical parameters list

Model	T	Size	Power	Q(m³/h)	0	0.6	2.4	3	3.6	4.2	4.8	5.4	6	6.6
	mm	Inch	kW	Q(L/min)	0	10	40	50	60	70	80	90	100	110
4SEm4/6(T)	739	1¼"/1½"/2"	0.37	H(m)	46	42	41	36	33	28	24	18	10	8
4SEm4/7(T)	787	1¼"/1½"/2"	0.55		52	48	46	43	40	36	30	24	18	11
4SEm4/8(T)	836	1¼"/1½"/2"	0.75		60	55	53	51	48	44	39	32	24	13
4SEm4/10(T)	893	1¼"/1½"/2"	0.75		75	69	67	64	60	56	48	40	32	15
4SEm4/12(T)	985	1¼"/1½"/2"	1.1		89	84	81	78	72	66	59	48	36	18
4SEm4/14(T)	1042	1¼"/1½"/2"	1.1		105	99	95	92	85	78	70	55	44	21
4SEm4/16(T)	1191	1¼"/1½"/2"	1.5		121	113	107	102	95	84	74	58	46	24
4SEm4/18(T)	1248	1¼"/1½"/2"	1.5		136	126	121	117	105	96	84	70	50	27
4SEm4/21(T)	1398	1¼"/1½"/2"	2.2		159	148	142	133	126	112	96	80	56	32
4SEm4/24(T)	1484	1¼"/1½"/2"	2.2		177	164	158	151	144	130	110	95	74	37



Performance curve



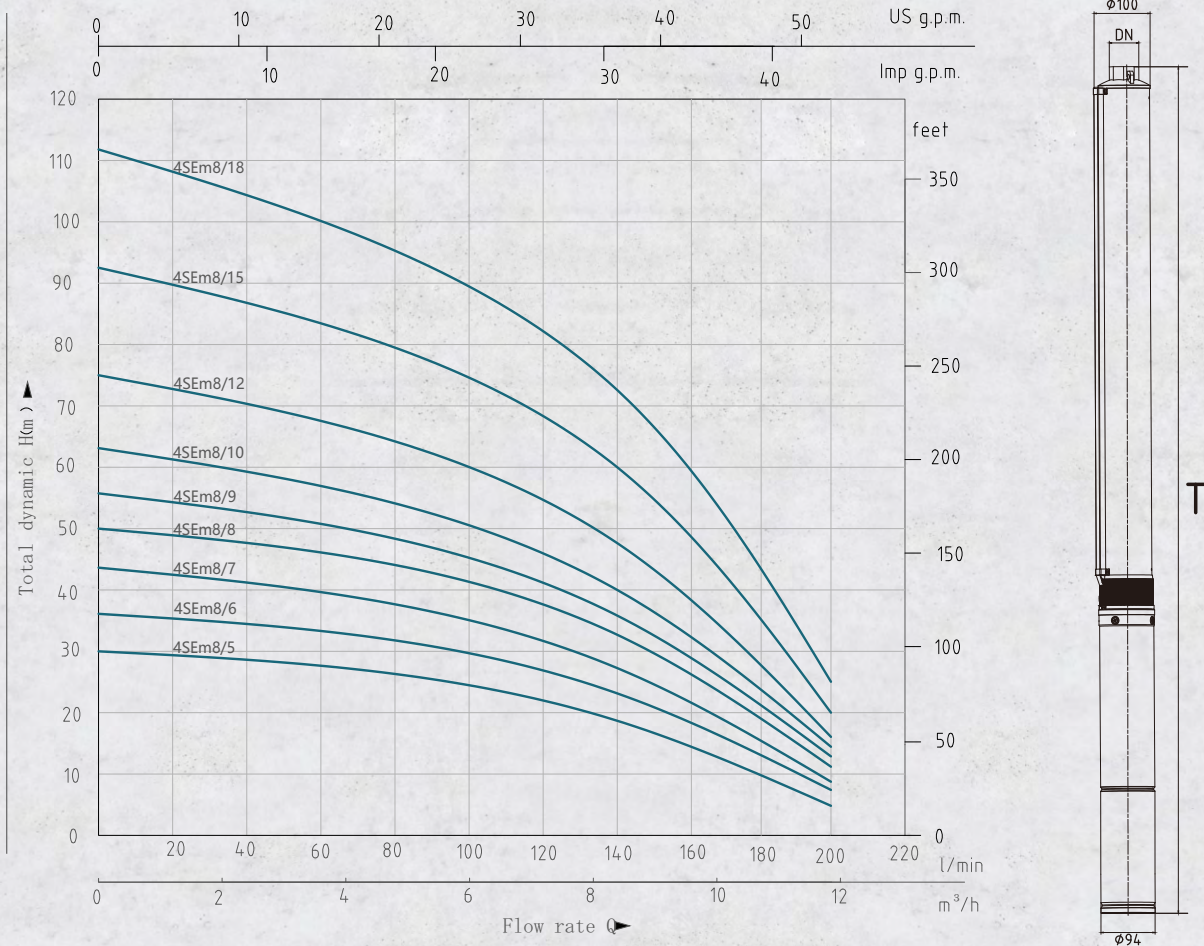
Technical parameters list

Model	T	Size	Power	Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4
	mm	Inch	kW	Q(L/min)	0	20	40	60	80	100	120	140
4SEm6/5(T)	740	1½"/2"	0.37	H(m)	34	33	32	30	27	23	18	10
4SEm6/6(T)	794	1½"/2"	0.55		41	39	36	34	29	24	19	12
4SEm6/7(T)	849	1½"/2"	0.75		49	46	44	41	38	32	23	13
4SEm6/8(T)	883	1½"/2"	0.75		54	52	50	46	40	33	22	14
4SEm6/9(T)	953	1½"/2"	1.1		62	59	56	52	48	39	30	17
4SEm6/11(T)	1022	1½"/2"	1.1		76	72	70	64	58	50	38	21
4SEm6/12(T)	1057	1½"/2"	1.5		83	79	75	72	66	54	45	25
4SEm6/14(T)	1186	1½"/2"	1.5		97	93	89	84	77	60	50	27
4SEm6/15(T)	1252	1½"/2"	1.5		102	99	94	87	79	65	51	29
4SEm6/17(T)	1386	1½"/2"	2.2		116	111	107	100	91	78	59	36
4SEm6/20(T)	1489	1½"/2"	2.2		136	131	125	115	105	86	67	38



SEM
DEEP WELL PUMP

Performance curve



Technical parameters list

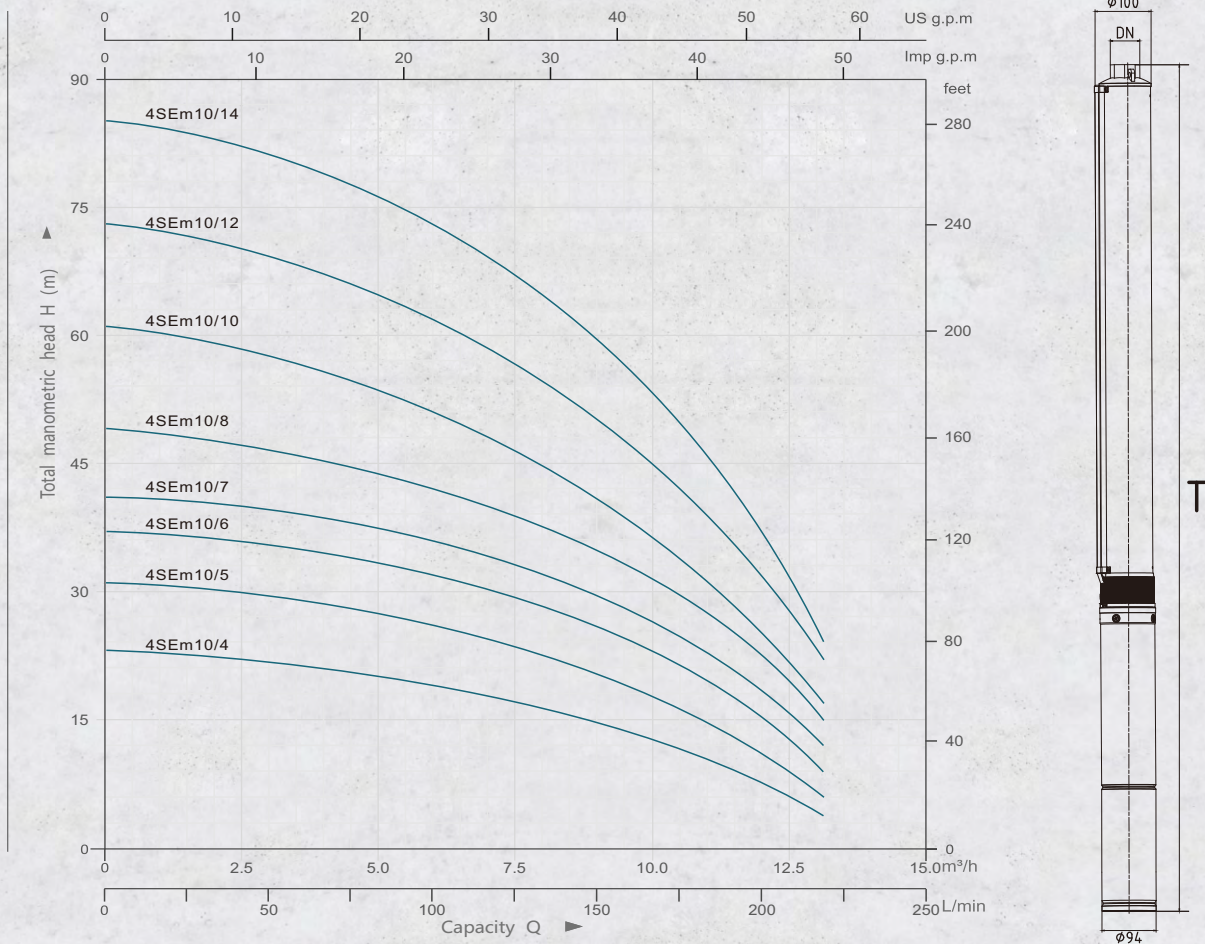
Model	T	Size	Power	Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
	mm	Inch	kW	Q(L/min)	0	20	40	60	80	100	120	140	160	180
4SEm8/5(T)	778	2"	0.55	H(m)	30	28	27	25	24	23	21	19	16	11
4SEm8/6(T)	836	2"	0.75		36	33	32	30	29	28	25	23	19	14
4SEm8/7(T)	874	2"	0.75		43	40	38	36	35	33	29	27	23	15
4SEm8/8(T)	947	2"	1.1		50	47	45	43	41	39	36	32	27	20
4SEm8/9(T)	985	2"	1.1		56	53	49	47	46	43	39	36	30	22
4SEm8/10(T)	1083	2"	1.5		63	59	56	53	51	49	45	40	32	25
4SEm8/12(T)	1160	2"	1.5		75	71	67	64	62	58	54	48	40	30
4SEm8/15(T)	1370	2"	2.2		93	88	82	80	77	72	67	60	50	35
4SEm8/18(T)	1484	2"	2.2		112	106	99	96	94	87	81	72	60	42



SEM

DEEP WELL PUMP

Performance curve



Technical parameters list

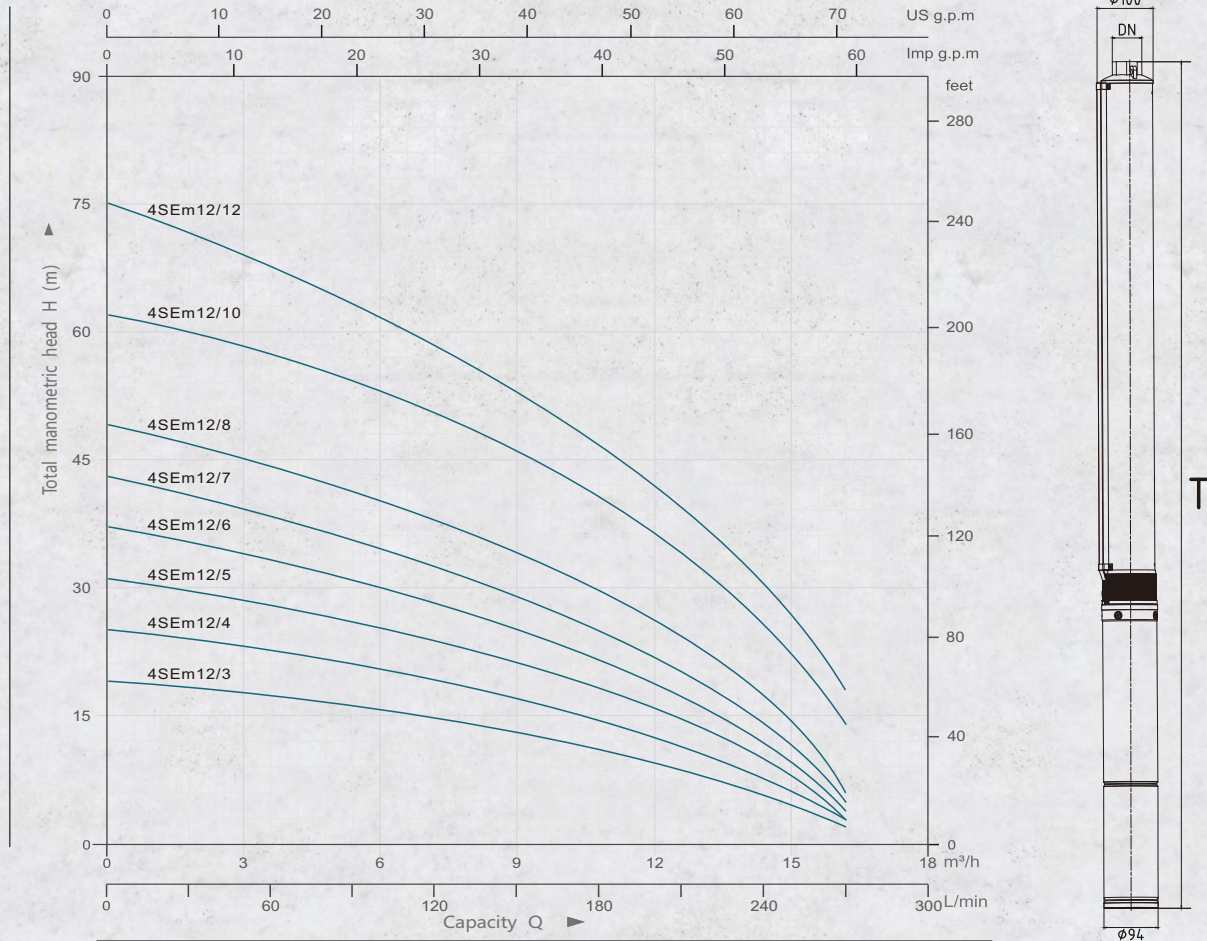
Model	T	Size	Power	Q(m³/h)	0	3.6	4.8	6	7.2	8.4	9.6	10.8	12	13.2
	mm	Inch	kW	Q(L/min)	0	60	80	100	120	140	160	180	200	220
4SEm10/4(T)	760	2"	0.75	H(m)	23	21	20	19	18	16	14	11	8	4
4SEm10/5(T)	798	2"	0.75		31	28	27	26	25	22	21	17	12	6
4SEm10/6(T)	870	2"	1.1		37	34	33	32	31	28	26	22	17	9
4SEm10/7(T)	909	2"	1.1		43	39	38	36	35	32	28	24	19	12
4SEm10/8(T)	1006	2"	1.5		49	45	44	42	40	38	34	28	22	15
4SEm10/10(T)	1082	2"	1.5		61	55	54	51	49	46	42	35	28	17
4SEm10/12(T)	1223	2"	2.2		73	66	65	62	60	56	50	43	32	22
4SEm10/14(T)	1331	2"	2.2		85	77	75	73	69	65	57	49	38	24



SEM

DEEP WELL PUMP

Performance curve

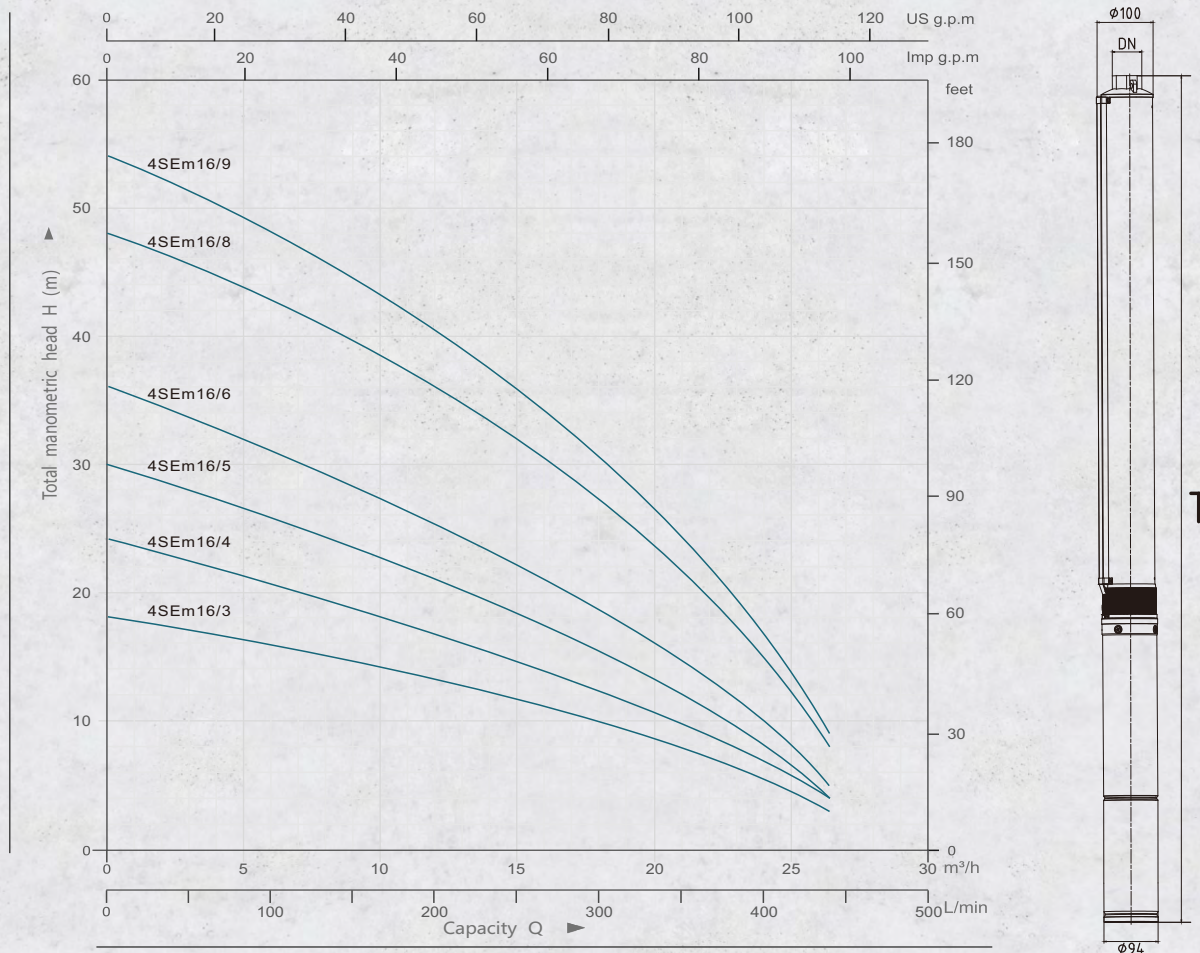


Technical parameters list

Model	T	Size	Power	Q(m³/h)	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2
	mm	Inch	kW	Q(L/min)	0	30	60	90	120	150	180	210	240	270
4SEm12/3(T)	821	2"	0.75	H(m)	19	17	16	15	14	13	10	8	5	2
4SEm12/4(T)	890	2"	0.75		25	23	21	20	19	17	14	11	7	3
4SEm12/5(T)	994	2"	1.1		31	29	27	25	23	21	18	13	8	3
4SEm12/6(T)	1063	2"	1.1		37	35	32	30	28	25	21	16	10	4
4SEm12/7(T)	1191	2"	1.5		43	41	37	35	33	29	25	18	12	5
4SEm12/8(T)	1260	2"	1.5		49	46	43	41	37	34	29	23	15	6
4SEm12/10(T)	1462	2"	2.2		62	58	56	54	50	46	41	34	28	14
4SEm12/12(T)	1600	2"	2.2		75	70	67	63	58	53	47	39	34	18



Performance curve



Technical parameters list

Model	T	Size	Power	Q(m ³ /h)	0	7.2	9.6	12	14.4	16.8	19.2	21.6	24	26.3
	mm	Inch	kW	Q(L/min)	0	120	160	200	240	280	320	360	400	440
4SEm16/3(T)	891	2"	1.1	H(m)	18	16	15	14	12	11	9	8	4	3
4SEm16/4(T)	960	2"	1.1		24	21	20	18	15	14	12	11	6	4
4SEm16/5(T)	1089	2"	1.5		30	26	25	23	19	18	14	13	8	4
4SEm16/6(T)	1158	2"	1.5		36	31	30	27	23	21	17	16	9	5
4SEm16/8(T)	1361	2"	2.2		48	42	39	35	33	29	23	19	14	8
4SEm16/9(T)	1426	2"	2.2		54	47	44	39	37	32	26	21	16	9



GRANDFAR

CONTINUE TO IMPROVE AND INNOVATE